

20030A240-02

TOWER SHEETS - Intragaz, Saint-Flavien No. 18

Documents complémentaires

Additional Files



Licence



Licence

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources
naturelles

Québec 

| | | | | | | | | | | | | | | | |
|---|---|-------------------|------------------------------------|--|------------------|-----------------------------|--------------------|----------------|----------------|-------------------|-------------|---------------|-----------------|--------------------|----------------|
| SPUD | WELL RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | DATE 22-Aug-2003 | LAST CASING TUBING OR LINER | O.D. (mm) | MIN. I.D. (mm) | kg/m | MAKE | GRADE | NO. OF JOINTS | TOTAL WGT. (kg) | KB TO CSG HEAD (m) | SET AT (m) |
| LICENCE NO. | WELL NAME AND NO. SF-18 | OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | (1) Daily Wellhead Inspection (2) Drilled Inspection Assembly (using checklist) (3) H2S Signs (Flashed if required) (4) Well License & Stick Diagram Passed (5) Plans Line Staked (6) BOP Tests Performed (7) Visually Inspect BOP's Flange & Dogear Lines | RIG NO. 9ETD | FUEL @ 8:00 | | | | | | | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | UNIQUE ID: | | (1) Rig Site Health and Safety Meeting (on-site/remote) (2) C.A.D.D.C Rig Safety Inspection Checklist (on-site/remote) (3) Mast Inspection Before Raising or Lowering (4) Crew Safety Checked (5) Mast Well Checked | TEMPERATURE | DCOP SIZE (mm) | LINEAR MASS (kg/m) | GEAR | MIN. I.D. (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (L/10m) |



Based on the CAODC ETS file standard

| | | | |
|-------------------------|---|--|------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. | DATE 22-Aug-2003 |
| WELL NAME & No. SF-18 | OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | RIG NO. 9ETD |
| RIG MANAGER Don Johnson | PROVINCE Quebec | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: |

| TIME - HRS | NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------------|-----|------|-------------------|------------|------------|----------------|----------|---|
| 12:00 | | | | | | | | |
| 4:00 | | | | | | | | |
| 16:00 | | | | | | | | |

| NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|------|-------------------|------------|------------|----------------|----------|---|
| | | | | | | | |

| NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|------|-------------------|------------|------------|----------------|----------|---|
| | | | | | | | |

| NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|------|-------------------|------------|------------|----------------|----------|---|
| | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Jeff Bergeron | 12.00 | JB | <input checked="" type="checkbox"/> |
| Motorman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |

| NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|-----------|-------------------|------------|------------|----------------|----------|---|
| 1 | Hammer | | 286 | 1.83 | 1 | | |
| 1 | Comb. Sub | | 279 | 1.67 | | | |
| 1 | 15" D.C | | 383 | 9.41 | | | |
| 1 | X/O | | 286 | 0.56 | | | |
| 1 | X/O | | 225 | 0.70 | | | |
| 1 | X/O | | 160 | 0.40 | | | |

| NO. | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|------|-------------------|------------|------------|----------------|----------|---|
| | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|-------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Steve St onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 7.00 | SC | <input checked="" type="checkbox"/> |
| Derrickman2 | | Phil Fraser | 12.00 | PF | <input checked="" type="checkbox"/> |

FIRST TOUR

SECOND TOUR

Tidy up shacks & cupboards. Rinse out water chamber in boiler. Install sala @ monkey board. Join Double studded spool with 2 drilling spools & Join drilling spool to single gate ram. Hammer up same. Join HCR valve to gate valve. Layed out sump liner. Put studs on top of annular. Make up 1 stand of drill pipe, while waiting on rental equipment to arrive.

Pressure test stand pipe & kelly hose to 7000kpa. Rig up lines to big tongs, Weld on bit breaker to fit, Spot cement tank.
Safety Meeting prior to picking up 15" drill collar.
Pick up 15" drill collar, make up bit & x/o subs
Safety Meeting prior spud w/air drilling.
Install weatherford air head.
Drill 444.5mm hole to 20m.
Pick up B.H.A and air hammer.
Install weatherford air head.
Drill 444.5mm hole F/20m-24m

NOTES

NOTES

DRILLER SIGNATURE Garry Dale

DRILLER SIGNATURE Gordon Cyr



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | | | | | | |
|------------------|-----------------------------|----------------|--------------------|-----------|--------------|-------------------|---------------|---------------|
| DATE 23-Aug-2003 | LAST CASING TUBING OR LINER | G.D. (mm) | WELL NO. | WELL NAME | WELL NO. | TOTAL (m) | WELL HEAD (m) | SET AT (m) |
| RIG NO. 9ETD | FUEL @ 8:00 | | | | | | | |
| W.C. 168 | TEMPERATURE | DCOP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | WELL ID (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO. OF JOINTS |
| WEATHER | CURRENT CONDITION | | | | | | | |
| | WIND DIRECTION | | | | | | | |
| | ROAD | | | | | | | |

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | TOTAL |
|----------|-------|---|---|---|---|---|------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-------|
| DEP | 5.50 | | | | | | 0.25 | | | | | | | | | | | | | | | | | | | | | | | 4.50 | |
| FVE | 5.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.00 | |
| TOTAL | 11.25 | | | | | | 0.25 | | | | | | | | | | | | | | | | | | | | | | | 6.50 | |

| NO. | BIT | SIZE | LENGTH | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | TIME | CODE | REMARKS |
|-----|------------|------|--------|---------|-------|-------------|-------------------------------------|--------------------------|------|-------|-------|-------|------|---|
| 1 | Hammer | 286 | 1.83 | 2 | 444.5 | Water Based | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 24.00 | 0:00 | 0:30 | 10 | Run survey w/wireline. Rerun survey. |
| 1 | Comb. Sub | 279 | 1.67 | | | | | | | | 0:30 | 3:15 | 2 | Drill 444.5mm hole F/24m - 43m |
| 1 | 15" D.C | 383 | 9.41 | | | | | | | | 3:15 | 3:30 | 10 | Wireline survey @42m |
| 2 | 11" D.C | 272 | 18.53 | | | | | | | | 3:30 | 6:15 | 22 | Make connection. Pick up 2-11" D.C's & 11" string stabilizer. |
| 1 | Stabilizer | 278 | 2.72 | | | | | | | | 6:15 | 8:15 | 2 | Drill 444.5mm hole F/43m - T/ 54m |
| 1 | 11" D.C | 283 | 8.98 | | | | | | | | 8:15 | 8:45 | 10 | Wireline Survey @ 53m 1/2 Deg |
| 1 | X/O | 278 | 0.56 | | | | | | | | 8:45 | 9:30 | 2 | Drill 444.5mm Surface Hole F/ 54m -T/ 63m |
| 1 | 9" JAR | 228 | 6.69 | | | | | | | | 9:30 | 10:00 | 10 | Wireline Survey @ 63m 1/2 Deg |
| 1 | X/O | 225 | 0.70 | | | | | | | | 10:00 | 11:45 | 17 | 22 Connection , Pick up 11" DC & Jars |
| 1 | X/O | 160 | 0.40 | | | | | | | | 11:45 | 12:00 | 7 | Rig Service |

| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. | DATE | 23-Aug-2003 | |
|-------------------------|-------------------|------------------------------------|-------------------------|-------------|-------------------------------------|
| WELL NAME & No. SF-18 | OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | RIG NO. | 9ETD | |
| RIG MANAGER Don Johnson | PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 165.00 | | |
| FIRST TOUR | 0:00 | TO | 12:00 | | |
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Jeff Bergeron | 12.00 | JB | <input checked="" type="checkbox"/> |
| Motorman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Rig Manager | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| NO. | BIT | SIZE | LENGTH | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | TIME | CODE | REMARKS |
|-----|------------|------|--------|---------|-------|-------------|-------------------------------------|--------------------------|------|-------|-------|-------|------|--|
| 1 | Hammer | 286 | 1.83 | 2 | 444.5 | Water Based | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | 63.00 | 10:00 | 10 | 3 | Drill 444.5mm Surface Hole F/ 63m T/ 79m |
| 1 | Comb. Sub | 279 | 1.67 | | | | | | | | 14:00 | 14:15 | 10 | Wireline Survey @ 78m |
| 1 | 15" D.C | 383 | 9.41 | | | | | | | | 14:15 | 14:45 | 5 | Circ & Work Pipe For Connection |
| 2 | 11" D.C | 272 | 18.53 | | | | | | | | 14:45 | 15:30 | 0.75 | 22 Connection , Pick Up 2- 9" DC,s |
| 1 | Stabilizer | 278 | 2.72 | | | | | | | | 15:30 | 17:00 | 1.50 | 2 Drill 444.5mm Surface Hole F/ 79m - T/ 89m |
| 1 | 11" D.C | 283 | 8.98 | | | | | | | | 17:00 | 17:30 | 0.50 | 10 Wireline Survey @ 88m 1/2 Deg |
| 1 | X/O | 278 | 0.56 | | | | | | | | 17:30 | 18:30 | 1.00 | 2 Drill 444.5mm Surface Hole F/ 89m T/ 98m |
| 1 | 9" JAR | 228 | 6.69 | | | | | | | | 18:30 | 19:00 | 0.50 | 10 Wireline Survey @ 98m 1/2 Deg |
| 3 | 9" DC,s | 228 | 28.02 | | | | | | | | 19:00 | 20:45 | 1.75 | 5 Circulate & work pipe for connection. |
| 1 | X/O | 225 | 0.70 | | | | | | | | 20:45 | 22:00 | 1.25 | 22 Connection, Pick up 1-9" D.C & 1- 6.75" D.C |
| 1 | 6.75" D.C | 172 | 9.46 | | | | | | | | 22:00 | 23:15 | 1.25 | 2 Drill 444.5mm Surface Hole F/98m - T/ 108m |
| | | | | | | | | | | | 23:15 | 23:30 | 0.25 | 5 Circ & work pipe for survey. |
| | | | | | | | | | | | 23:30 | 24:00 | 0.50 | 10 Deviation Survey @ 107m Dev. .25 |

| SECOND TOUR | 12:00 | TO | 24:00 | | |
|-------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Steve St onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Derrickman2 | | Phil Fraser | 12.00 | PF | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO.: AFE

LICENCE NO.: WELL NAME AND NO.: SF-18

OPERATOR: INTRAGAZ CONTRACTOR: Nabors Drilling Limited

SURFACE LOCATION: Saint Flavian UNIQUE ID:

SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson

DAILY CHECKS: (1) Daily Walk Around Inspection, (2) Detailed Inspection Weekly using checklists, (3) HDS Signs Inspected if required, (4) HDS Lines & Hose Diagram Posted, (5) HDS Line Stakes, (6) HDS Crane Platform, (7) Visually Inspect BGP's Flarelines & Degasser Lines, (8) Visually Inspect BGP's Safety Inspection Checklist (monthly/quarterly), (9) C.A.O.D.C. Rig Safety Inspection Checklist (monthly/quarterly), (10) Mast Inspection Before Raising or Lowering, (11) Crown Saver Checked, (12) Mast with Checklist

DATE: 24-Aug-2003 LAST CASING TUBING OR LINER: FUEL @ 8:00 FUEL: 150 LITERS

TEMPERATURE: 16 DEPTH: 16m

WEATHER: ROAD: Good Dry

WELL TYPE: RE-ENTRY YES NO KB TO GROUND ELEV.:

WELL NAME & No.: SF-18 DATE: 24-Aug-2003

OPERATOR: INTRAGAZ CONTRACTOR: Nabors Drilling Limited

RIG MANAGER: Don Johnson RIG NO.: 9ETD

PROVINCE: Quebec CAMP: YES NO RIG SAFETY DAYS: 166.00

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | 7.50 | | | | | | | | | | | | | | | | | | | | | | | |
| TIME - HRS | 7.50 | | | | | | | | | | | | | | | | | | | | | | | |

| NO. | BIT | O.D. (mm) | LENGTH | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | INJURIES | | | | | | | |
|-----|------------|-----------|--------|--------------------------|--------|------------|-------------|----------------|--------|----------|------|---|-------------|--------------------------|---------------|----------|--|-----------------|-------|----|--------------------------|-------------------------------------|--|
| | | | | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | FROM | TO | FROM | TO | DESCRIPTION | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | | | | |
| 1 | Hammer | 286 | 1.83 | 2 | | | | 108.00 | 173.00 | D | 10 | 3 | 0:00 | 1:00 | 1:00 | 2 | Drill 444.5mm hole F/108m - 117m | Garry Dale | 12.00 | GD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | Comb. Sub | 279 | 1.67 | 444.5 | | | | 1:00 | 1:15 | | | | 1:00 | 1:15 | 0.25 | 10 | Survey w/wireline @ 116m | Jeff Bergeron | 12.00 | JB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | 15" D.C | 383 | 9.41 | | | | | 1:15 | 1:45 | | | | 1:15 | 1:45 | 0.50 | 5 | Circulate hole prior to connection | Pat St onge | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 2 | 11" D.C | 272 | 18.53 | Drillmaster | | | | 1:45 | 2:30 | | | | 1:45 | 2:30 | 0.75 | 22 | Connection, Pick up 2-6.75" D.C's | Robin Pelletier | 12.00 | RP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | Stabilizer | 278 | 2.72 | Hammer Bit | | | | 2:30 | 4:30 | | | | 2:30 | 4:30 | 2.00 | 2 | Drill 444.5mm surface hole F/ 117m - 136m | Pete St onge | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | 11" D.C | 283 | 8.98 | 0C546 | | | | 4:30 | 5:00 | | | | 4:30 | 5:00 | 0.50 | 10 | Survey w/wireline @ 135m | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | x0 | 278 | 0.58 | JETS | | | | 5:00 | 5:15 | | | | 5:00 | 5:15 | 0.25 | 5 | Circulate hole prior to connection | | | | | | |
| 1 | 9" JAR | 228 | 6.69 | DEPTH OUT (m) | | | | 5:15 | 5:45 | | | | 5:15 | 5:45 | 0.50 | 22 | Connection, Pick up 2- hwdp | | | | | | |
| 3 | 9" DC,s | 228 | 28.02 | DEPTH IN (m) | 20.00 | | | 5:45 | 7:45 | | | | 5:45 | 7:45 | 2.00 | 2 | Drill 444.5mm surface hole F/ 136m - T/ 153m | | | | | | |
| 1 | X/O | 225 | 0.70 | TOTAL METERS DRILLED (m) | 153.00 | | | 7:45 | 8:00 | | | | 7:45 | 8:00 | 0.25 | 10 | Wireline Survey @ 152m 3/4 Deg | | | | | | |
| 3 | 6.75" D.C | 172 | 28.45 | TOTAL HOURS RUN | 18.75 | | | 8:00 | 8:15 | | | | 8:00 | 8:15 | 0.25 | 22 | Work Pipe For Connection | | | | | | |
| 1 | X/O | 160 | 0.40 | CUTTING STRUCTURE | | | | 8:15 | 8:45 | | | | 8:15 | 8:45 | 0.50 | 22 | Rack Back 1 STD & Pick Up 4 HWDP | | | | | | |
| 6 | HWDP | 168 | 56.06 | HOLE CONDITION | 1u/1d | | | 8:45 | 9:45 | | | | 8:45 | 9:45 | 1.00 | 2 | Drill 444.5mm Surface Hole F/ 153m T/ 164m | | | | | | |
| | | | | HOLE DRAG | | | | 9:45 | 10:15 | | | | 9:45 | 10:15 | 0.50 | 10 | Work Pipe & Survey @ 163m 1 Deg | | | | | | |
| | | | | TORQUE AT BOTTOM | | | | 10:15 | 11:45 | | | | 10:15 | 11:45 | 1.50 | 2 | Drill 444.5mm Surface Hole F/ 164m -T/173m | | | | | | |
| | | | | FILL ON BOTTOM (m) | | | | 11:45 | 12:00 | | | | 11:45 | 12:00 | 0.25 | 7 | Rig Service | | | | | | |

FIRST TOUR

NOTES
Check Brakes & Linkage Function Crown Saver G.C.

| NO. | BIT | O.D. (mm) | LENGTH | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | INJURIES | | | | | | | |
|-----|------------|-----------|--------|--------------------------|------------|------------|-------------|----------------|--------|----------|------|---|-------------|----------------------------|---------------|----------|---|-----------------|-------|----|--------------------------|-------------------------------------|--|
| | | | | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | FROM | TO | FROM | TO | DESCRIPTION | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | | | | |
| 1 | Hammer | 286 | 1.83 | 2 | | | | 173.00 | 235.00 | D | 16 | 3 | 12:00 | 12:15 | 0.25 | 10 | Wireline Survey @ 172m 1 Deg | Gordon Cyr | 12.00 | GC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | Comb. Sub | 279 | 1.67 | 444.5 | | | | 12:15 | 15:00 | | | | 12:15 | 15:00 | 2.75 | 2 | Drill 444.5mm Surface Hole F/ 173m T/ 192m | Donald Bergeron | 12.00 | DB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | 15" D.C | 383 | 9.41 | | | | | 15:00 | 15:15 | | | | 15:00 | 15:15 | 0.25 | 10 | Wireline Survey @ 191m 1Deg | Steve St onge | 12.00 | SS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 2 | 11" D.C | 272 | 18.53 | Drillmaster | | | | 15:15 | 18:30 | | | | 15:15 | 18:30 | 3.25 | 2 | Drill 444.5mm Surface Hole F/ 192m T/ 211m | Sebastien Cote | 12.00 | SC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | Stabilizer | 278 | 2.72 | Hammer Bit | | | | 18:30 | 19:00 | | | | 18:30 | 19:00 | 0.50 | 10 | Work Pipe & Wireline Survey @ 210m | Phil Fraser | 12.00 | PF | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 1 | 11" D.C | 283 | 8.98 | 0C546 | | | | 19:00 | 22:00 | | | | 19:00 | 22:00 | 3.00 | 2 | Drill 444.5mm Surface Hole F/211m - 230m | | | | | | |
| 1 | x0 | 278 | 0.56 | JETS | | | | 22:00 | 22:15 | | | | 22:00 | 22:15 | 0.25 | 7 | Rig Service | | | | | | |
| 1 | 9" JAR | 228 | 6.69 | DEPTH OUT (m) | | | | 22:15 | 23:00 | | | | 22:15 | 23:00 | 0.75 | 8 | Repair hydraulic hose on top drive for gripper. | | | | | | |
| 3 | 9" DC,s | 228 | 28.02 | DEPTH IN (m) | 20.00 | | | 23:00 | 23:15 | | | | 23:00 | 23:15 | 0.25 | 10 | Wireline survey @ 229m .75 deg | | | | | | |
| 1 | X/O | 225 | 0.70 | TOTAL METERS DRILLED (m) | 215.00 | | | 23:15 | 24:00 | | | | 23:15 | 24:00 | 0.75 | 2 | Drill 444.5mm surface hole F/230m - 235m | | | | | | |
| 3 | 6.75" D.C | 172 | 28.45 | TOTAL HOURS RUN | 28.50 | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 160 | 0.40 | CUTTING STRUCTURE | | | | | | | | | | | | | | | | | | | |
| 6 | HWDP | 168 | 56.06 | HOLE CONDITION | water | | | 172.00 | | | | | 172.00 | | 1 | | | | | | | | |
| | | | | HOLE DRAG | 1u/1d | | | 191.00 | | | | | 191.00 | | 1 | | | | | | | | |
| | | | | TORQUE AT BOTTOM | 800 ft/lbs | | | 210.00 | | | | | 210.00 | | 1 | | | | | | | | |
| | | | | FILL ON BOTTOM (m) | | | | 229.00 | | | | | 229.00 | | 0.75 | | | | | | | | |

SECOND TOUR

NOTES
Pump Rate Air: 115m3 & Mist 35 lpm.



Based on the CAODC ETS file standard

| | | | |
|---|---|------------------------------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR INTRAGAZ | UNIQUE ID: | | |
| SURFACE LOCATION Saint Flavien | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | |

| | |
|-------------------|-----------------------------|
| DATE 26-Aug-2003 | LAST CASING TUBING OR LINER |
| RIG NO. 9ETD | FUEL @ 8:00 |
| RIG 207 | BOILER |
| TEMPERATURE | DC/DP SIZE (mm) |
| CURRENT CONDITION | LINEAR MASS (kg/m) |
| WIND DIRECTION | GRADE |
| ROAD | MIX ID (mm) |
| | TOOL JT D.D (mm) |
| | NUMBER TYPE |
| | NO. OF JOINTS |
| | PUMP TYPE |
| | PUMP MANUFACTURER |
| | STROKE L/H (mm) |

| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------------|-------------------|------------|------------|----------------|----------|---|
| DAY | 6.50 | 3.50 | 0.25 | 1.75 | | |
| EVE | 1.25 | 1.50 | | 7.75 | | |
| TOTAL | 7.75 | 5.00 | 0.25 | 9.50 | | |

| BIT NO. | SIZE | ADDC CODE | MFG. | TYPE | SERIAL NO. | PH | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS DRILLED (m) | TOTAL HOURS RUN | PRODUCT | AMOUNT x UNIT | SOLIDS CONTROL | DEVIATION SURVEY |
|---------|------------|-----------|-------|------|------------|----|---------------|--------------|--------------------------|-----------------|---------|---------------|----------------|------------------|
| 1 | Bit | 444.5 | 0.40 | | 1RR | | | | | | | | | |
| 1 | Bit Sub | 228 | 1.20 | | | | | | | | | | | |
| 2 | 9" Monel | 225 | 18.38 | | | | | | | | | | | |
| 1 | X/O | 277 | 0.47 | | | | | | | | | | | |
| 1 | Stabilizer | 278 | 2.72 | | | | | | | | | | | |
| 1 | 11" D.C | 283 | 8.98 | | | | | | | | | | | |
| 1 | X/O | 278 | 0.56 | | | | | | | | | | | |
| 1 | 9" JAR | 228 | 6.69 | | | | | | | | | | | |
| 3 | 9" DC,s | 228 | 28.02 | | | | | | | | | | | |
| 1 | X/O | 225 | 0.70 | | | | | | | | | | | |
| 3 | 6.75" D.C | 172 | 28.45 | | | | | | | | | | | |
| 1 | X/O | 160 | 0.40 | | | | | | | | | | | |
| 6 | HWDP | 168 | 56.06 | | | | | | | | | | | |

| BIT NO. | SIZE | ADDC CODE | MFG. | TYPE | SERIAL NO. | PH | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS DRILLED (m) | TOTAL HOURS RUN | PRODUCT | AMOUNT x UNIT | SOLIDS CONTROL | DEVIATION SURVEY |
|---------|------|-------------|--------|------|------------|----|---------------|--------------|--------------------------|-----------------|---------|---------------|----------------|------------------|
| 5 | D.P. | STANDS | 143.04 | | | | | | | | | | | |
| 1 | D.P. | SINGLES | 9.48 | | | | | | | | | | | |
| | | KELLYDOWN | 3.45 | | | | | | | | | | | |
| | | TOTAL | 309.00 | | | | | | | | | | | |
| | | WT. OF DC | 45.00 | | | | | | | | | | | |
| | | WT. OF STAB | 53.00 | | | | | | | | | | | |

| | | |
|-------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE 26-Aug-2003 | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 168.00 |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|-------------|---------------|-----------------|-------|----------|
| Driller | | Garry Dale | 12.00 | GD |
| Derrickman | | Jeff Bergeron | 12.00 | JB |
| Motorman | | Pat St onge | 12.00 | PS |
| Floorman | | Robin Pelletier | 12.00 | RP |
| Floorman | | Pete St onge | 12.00 | PS |
| Rig Manager | | Dan Pelletier | 12.00 | DP |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|-------------|---------------|-----------------|-------|----------|
| Driller | | Gordon Cyr | 12.00 | GC |
| Derrickman | | Donald Bergeron | 12.00 | DB |
| Motorman | | Steve St onge | 12.00 | SS |
| Floorman | | Sebastien Cote | 12.00 | SC |
| Floorman | | Rejean Laroche | 12.00 | RL |
| Derrickman2 | | Phil Fraser | 12.00 | PF |

FIRST TOUR

SECOND TOUR

NOTES
Reset & function crown saver. Visually check brakes & linkage G.D.

NOTES
Check brakes & linkage. Function crown saver.

| | | | | |
|-------------------|----------------|-------------------|--------------|----------|
| DRILLER SIGNATURE | OPERATOR / UEL | MAX EXP HOOL LOAD | SAFETY TOPIC | M.A.C.P. |
| Garry Dale | | 45.00 Trips | | |



Based on the CAODC ETS file standard

Drilling log form containing sections for: DAILY CHECKS, OPERATOR/CONTRACTOR info, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, and RATE SCHEDULE. Includes data for two tours: FIRST TOUR (0:00 to 12:00) and SECOND TOUR (12:00 to 24:00).



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|--------------------------------|--|---|--|---|--|--------------|--|---|--|----------------------------|--|-------------------|--|------------------|--|------------------|--|------------------|--|--------------------|--|--------------------|--|---------------------|--|---------------------|--|--------------------|--|-------------|--|-------------|--|-------------------|--|-------------------|--|-----------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 29-Aug-2003 | | LAST CASING TUBING | | O.D. (mm) 339.7 | | I.D. (mm) 3315.3 | | WGT (kgm) 101.20 | | MIXE Loadstar | | GRADE K55 | | NO OF JOBS 22 | | TOTAL METERS 309.92 | | KB TO GND (ft) 7.48 | | SET AT (ft) 309.00 | | | | | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | WEATHER | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | WEATHER | | TEMPERATURE | | D.C.P. SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIN I.D. (mm) | | COOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOBS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (LTS/HR) | |
| OPERATOR INTRAGAZ | | SURFACE LOCATION Saint Flavian | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WEATHER | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | WEATHER | | TEMPERATURE | | D.C.P. SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIN I.D. (mm) | | COOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOBS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (LTS/HR) | | | |
| TIME HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | N.JURIES | | | | | | | | | | | | | | | |
| TIME HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | N.JURIES | | | | | | | | | | | | | | | |
| TIME HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | N.JURIES | | | | | | | | | | | | | | | |
| TIME HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | N.JURIES | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

SPUD: RIG RELEASE, JOB NO. 2694C, AFE
 LICENCE NO.: WELL NAME AND NO. SF-18
 OPERATOR: INTRAGAZ, CONTRACTOR: Nabors Drilling Limited
 SURFACE LOCATION: Saint Flavian, UNIQUE ID:
 SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss, SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson

DAILY CHECKS: (1) Daily Wellhead Inspection, (2) Drilled Inspection Weekly, (3) H2S 5 g/m³ Permitted, (4) Well Location 8 Stick Diagram Permitted, (5) Flare Use Permitted, (6) BOP Data Permitted, (7) Visually Inspect BOP's Flarelines & Degasser Lines, (8) Rig Site Health and Safety Meeting (before/after), (9) C.A.O.D.C. Rig Safety Inspection Checklist (pre-signing), (10) Mast Inspection (before Hoisting or Lowering), (11) Crown Block Checked, (12) Lifting Wire Checked

DATE: 30-Aug-2003, LAST CASING TUBING OR LINER: 339.7, 3315.3, 101.20, Loadstar, K55, 22, 309.92, 7.48, 309.00

FUEL @ 4:00: 173 BOILER

TEMPERATURE: 127.00, 29.00, 85.00, 156.00, 41/2if, PZ8, Gardner Denver, 203

CURRENT DEVIATION: 171.00, 174.00, DC, 74.00, 172.00, 5H90, PZ8, Gardner Denver, 203

WEATHER: HEAD: 228.00, 236.00, DC, 74.00, 228.00, 7H90, 3

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|-------|---|---|---|---|---|------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | 10.75 | | | | | | 0.25 | | | | | | | | | | | | | | | | | |
| NITE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| BIT RECORD | | | | MUD RECORD | | | |
|---------------|-------|--------|---------------------------------|--------------------|---------------|---------------|----------------|
| BIT | 444.5 | 0.30 | BIT NO. 1 | MUD TYPE | WATER BASED | OIL BASED | |
| Dog Sub | 311 | 0.41 | SIZE 311 | DENSITY | 1050 | 1050 | |
| Square Motor | 244.5 | 8.47 | ADDC CODE | FUNNEL | 48 | 48 | |
| NM X/O | 228 | 0.55 | MFG. Smith | W.L. (cm3) | | | |
| Float Sub | 230 | 0.65 | TYPE F-27 | pH | 10.0 | 9.5 | |
| Stab | 230 | 1.60 | SERIAL NO. MM 1465 | | | | |
| 9" Monel | 225 | 9.17 | JETS 12.7 14.2 15.2 | PVT | 50 | | |
| NM Stab | 229 | 1.62 | DEPTH OUT (m) | MUD MATERIAL ADDED | | | SOLIDS CONTROL |
| NM Pony | 226 | 2.98 | DEPTH IN (m) 309.00 | PRODUCT | AMOUNT x UNIT | Centrifuge #1 | |
| Stab | 278 | 1.43 | TOTAL METERS DRILLED (m) 139.00 | Bentonite | 36 bag | 12.00 | 1050 1040 1660 |
| DRILL COLLAR | 229 | 9.09 | TOTAL HOURS RUN 15.50 | xanvis | 3sx | | |
| Jars | 228 | 6.69 | CUTTING STRUCTURE | sodium sulfite | 6 bag zz | | |
| DRILL COLLAR | 229 | 18.93 | | CausticSoda | 1 sx | | |
| X/O | 225 | 0.70 | HOLE CONDITION | | | | |
| Drill Collar | 172 | 113.46 | HOLE DRAG up2-dn2 | | | | |
| X/O | 160 | 0.40 | TORQUE AT BOTTOM 2000 ft/lbs | | | | |
| HWDP | 168 | 85.09 | FILL ON BOTTOM (m) | | | | |
| D.P. | | | | | | | |
| D.P. | | | | | | | |
| KELLYDOWN | | | | | | | |
| TOTAL | | | 460.09 | | | | |
| WT. OF DC | | | 33.00 | | | | |
| WT. OF STRING | | | 53.00 | | | | |

| METERS DRILLED | | | | TIME LOG | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | |
|--|----|----|----|----------|-------|-------|------|---|---------------------------------------|-------------|---------------|-------------------|-------|-----|--------------------------|
| FROM | TO | DR | 40 | 10 | 0:00 | 1:00 | 1:00 | 2 | Drill 311mm Hole F/ 365m T/ 375m | CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| | | | | | 1:00 | 1:15 | 0.25 | 10 | Deviation Survey @ 358m | Driller | | Gordon Cyr | 12.00 | GC | <input type="checkbox"/> |
| | | | | | 1:15 | 3:45 | 2.50 | 2 | Drill 311mm Hole F/ 375m T/ 393m | Derrickman | | Donald Bergeron | 12.00 | DB | <input type="checkbox"/> |
| | | | | | 3:45 | 4:00 | 0.25 | 10 | Deviation Survey @ 376m .8 Deg 317 AZ | Motorman | | Steve St onge | 12.00 | SS | <input type="checkbox"/> |
| | | | | | 4:00 | 7:15 | 3.25 | 2 | Drill 311mm Hole FR/ 393m TO/412m | Floorman | | Sebastien Cote | 12.00 | SC | <input type="checkbox"/> |
| | | | | | 7:15 | 7:30 | 0.25 | 10 | Deviation Survey@395m Inc=1.0 AZ=329 | Floorman | | Rejean Larochelle | 12.00 | RL | <input type="checkbox"/> |
| | | | | | 7:30 | 9:30 | 2.00 | 2 | Drill 311mm hole fr/412m-431m | Rig Manager | | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> |
| | | | | | 9:30 | 9:45 | 0.25 | 10 | Deviation Survey@414m Inc=1.0 AZ=325 | | | | | | |
| | | | | | 9:45 | 11:45 | 2.00 | 2 | Drill 311mm hole fr/431m-448m | | | | | | |
| | | | | | 11:45 | 12:00 | 0.25 | 7 | Rig Service Func ann c/o 22 secs | | | | | | |
| CIRCULATION PRESSURE (KPa) 6500, PUMP NO. 1 152 90, PUMP NO. 2 152 90, REDUCED PUMP SPEED 9:45, DEVIATION SURVEY, DEPTH (m) 358.07, DEVIATION (d) 0.7, DIRECTION 349.00, 376.96, 0.8, 317.00, 395.86, 1, 329.00, 414.71, 1, 325.00 | | | | | | | | | | | | | | | |
| NOTES: Check Brakes & Linkage, BOP & Manifold Valves Flare & Degasser Lines, Pump Rate 50 m3/min Air & 2m3/min Fluid | | | | | | | | | | | | | | | |
| DRILLER SIGNATURE: Gordon Cyr, OPERATOR FUEL: 55.00, SAFETY TOPIC: Surveys, M.A.C.P.: 4543 | | | | | | | | | | | | | | | |

| BIT RECORD | | | | MUD RECORD | | | |
|---------------|-------|--------|---------------------------------|--------------------|---------------|---------------|----------------|
| BIT | 444.5 | 0.30 | BIT NO. 1 | MUD TYPE | WATER BASED | OIL BASED | |
| Dog Sub | 311 | 0.41 | SIZE 311 | DENSITY | 1065 | 1050 | 20:00 |
| Square Motor | 244.5 | 8.47 | ADDC CODE | FUNNEL | 52 | 42 | 51 |
| NM X/O | 228 | 0.55 | MFG. Smith | W.L. (cm3) | | | |
| Float Sub | 230 | 0.65 | TYPE F-27 | pH | 11.0 | 10.0 | 9.0 |
| Stab | 230 | 1.60 | SERIAL NO. MM 1465 | | | | |
| 9" Monel | 225 | 9.17 | JETS 12.7 14.2 15.2 | PVT | 50 | 53 | |
| NM Stab | 229 | 1.62 | DEPTH OUT (m) | MUD MATERIAL ADDED | | | SOLIDS CONTROL |
| NM Pony | 226 | 2.98 | DEPTH IN (m) 309.00 | PRODUCT | AMOUNT x UNIT | Centrifuge #1 | |
| Stab | 278 | 1.43 | TOTAL METERS DRILLED (m) 250.00 | sodium sul | 22 8 sxs | 12.00 | 1065 1060 1760 |
| DRILL COLLAR | 229 | 9.09 | TOTAL HOURS RUN 25.75 | zanvis | 1 sx | | |
| Jars | 228 | 6.69 | CUTTING STRUCTURE | sodium sulfite | 4 zz bag | | |
| DRILL COLLAR | 229 | 18.93 | | CausticSoda | 1 bag | | |
| X/O | 225 | 0.70 | HOLE CONDITION | water | 3 CHEM BARREL | 12.00 | 1065 1060 1750 |
| Drill Collar | 172 | 113.46 | HOLE DRAG 2 up & down rotating | | | | |
| X/O | 160 | 0.40 | TORQUE AT BOTTOM 3000 | | | | |
| HWDP | 168 | 85.09 | FILL ON BOTTOM (m) | | | | |
| D.P. | | | | | | | |
| D.P. | | | | | | | |
| KELLYDOWN | | | 4.31 | | | | |
| TOTAL | | | 559.00 | | | | |
| WT. OF DC | | | 33.00 | | | | |
| WT. OF STRING | | | 55.00 | | | | |

| METERS DRILLED | | | | TIME LOG | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | |
|--|----|----|----|----------|-------|-------|------|---|--|------------|---------------|------------------|-------|-----|--------------------------|
| FROM | TO | DR | 50 | 18 | 12:00 | 13:45 | 1.75 | 2 | Drill 311mm hole fr/448m-460m | CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| | | | | | 13:45 | 14:00 | 0.25 | 7 | Rig Service Func ann c/o 22 secs | Driller | | Barry Detbrenner | 12.00 | BD | <input type="checkbox"/> |
| | | | | | 14:00 | 14:15 | 0.25 | 10 | Deviation Survey@443m Inc=1.4 AZ=321 | Derrickman | | Phil Fraser | 12.00 | PF | <input type="checkbox"/> |
| | | | | | 14:15 | 16:30 | 2.25 | 2 | Drill 311mm hole fr/460m-488m | Motorman | | Keith Dueker | 12.00 | KD | <input type="checkbox"/> |
| | | | | | 16:30 | 16:45 | 0.25 | 10 | Deviation Survey@471m Inc=1.8 AZ=312 | Floorman | | Wayne Benoit | 12.00 | WB | <input type="checkbox"/> |
| | | | | | 16:45 | 19:00 | 2.25 | 2 | Drill 311mm hole fr/488m-516m | Floorman | | Vaugh Prychak | 12.00 | VP | <input type="checkbox"/> |
| | | | | | 19:00 | 19:15 | 0.25 | 10 | Deviation Survey @ 499.9m 2 Deg 308 az | Leaseman | | Junior Grimard | 12.00 | JG | <input type="checkbox"/> |
| | | | | | 19:15 | 21:15 | 2.00 | 2 | Drill 311mm hole F/ 516m T/ 540m | | | | | | |
| | | | | | 21:15 | 21:45 | 0.50 | 22 | Change Rubber In Rotating Head | | | | | | |
| | | | | | 21:45 | 22:15 | 0.50 | 2 | Drill 311mm Hole F/ 540m To/545m | | | | | | |
| | | | | | 22:15 | 22:30 | 0.25 | 10 | Deviation Survey @ 528m 2 Deg 303 Az | | | | | | |
| | | | | | 22:30 | 24:00 | 1.50 | 2 | Drill 311mm Hole F/ 545m T/ 559m | | | | | | |
| CIRCULATION PRESSURE (KPa) 7800, PUMP NO. 1 152 90, PUMP NO. 2 152 90, REDUCED PUMP SPEED 21:15, DEVIATION SURVEY, DEPTH (m) 443.09, DEVIATION (d) 1.4, DIRECTION 321.00, 499.90, 2, 308.00, 528.24, 2.6, 303.00 | | | | | | | | | | | | | | | |
| NOTES: Check BOPs & manifold/abbing valve & No.Brakes & linkages,check & func crown saver,B.D. Pump rate=50m3/min Air @ 2m3/min. | | | | | | | | | | | | | | | |
| DRILLER SIGNATURE: Barry Detbrenner, OPERATOR FUEL: 55.00, SAFETY TOPIC: Rotating Head Rubber, M.A.C.P.: 4543 | | | | | | | | | | | | | | | |

WELL TYPE: RE-ENTRY YES NO, KB TO GROUND ELEV. DATE: 30-Aug-2003

OPERATOR: INTRAGAZ, CONTRACTOR: Nabors Drilling Limited

RIG MANAGER: Don Johnson, RIG NO.: 9ETD

PROVINCE: Quebec, CAMP: YES NO, RIG SAFETY DAYS: 172.00

FIRST TOUR: 0:00 TO 12:00

SECOND TOUR: 12:00 TO 24:00

RATE SCHEDULE: REGULAR REPAIR INVERT

DRIVER A: CREW SAFETY DAYS: DRIVER B:



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE, DAILY CHECKS, DATE, LAST CASING TUBING OR LINER, O.D. (mm), WELD, SIZE, MAKE, GRADE, NO. OF JOISTS, TOTAL LINE LENGTH, METERS DRILLED, SET AT (m)

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, CAMP, RIG SAFETY DAYS

TIME - HRS table with columns for DAY, LIVE, TOTAL and various well parameters like O.D., WELD, SIZE, MAKE, GRADE, NO. OF JOISTS, TOTAL LINE LENGTH, METERS DRILLED, SET AT (m)

BIT RECORD and MUD RECORD tables for the first tour, including columns for BIT NO., SIZE, MUD TYPE, TIME, and MUD MATERIAL ADDED

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour, including depth, deviation, and pump data

FIRST TOUR summary table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, and INJURIES

BIT RECORD and MUD RECORD tables for the second tour, including columns for BIT NO., SIZE, MUD TYPE, TIME, and MUD MATERIAL ADDED

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour, including depth, deviation, and pump data

SECOND TOUR summary table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, and INJURIES



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--|---|--|------------------------------------|--|----------------------|--|---|--|-----------------------------|--|---|--|----------------------------|--|------------------|--|---|--|------------------------------------|--|----------------------------|--|----------------|--|------------------|--|--|--|-------------------------|--|--------------|--|-----------------|--|---------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | APE | | DAILY CHECKS | | DATE 01-Sep-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | I.D. (mm) | | WIRE (mm) | | KUM | | MAKE | | GRADE | | NO. OF JOINTS | | TOTAL (m) LENGTH | | NO. TO C/O | | SET AT (m) | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | RIG NO. 9ETD | | FUEL @ 8:00 | | 193 | | 193 | | 193 | | 193 | | 193 | | 193 | | 193 | | 193 | | 193 | | 193 | | | | | | | |
| SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | OCUP SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIN ID (mm) | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (L/CY) | | WELL TYPE | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | | | | | | |
| TIME - HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | INJURIES | | WELL NAME & No. SF-18 | | DATE 01-Sep-2003 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | RIG MANAGER Don Johnson | | RIG NO. 9ETD | | PROVINCE Quebec | | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | RIG SAFETY DAYS: 174.00 | | | | | | | |
| 1 BIT 444.5 0.30 | | 1 Dog Sub 311 0.41 | | 1 Square Motor 244.5 8.47 | | 1 NM X/O 228 0.55 | | 1 Float Sub 230 0.65 | | 1 Stab 230 1.60 | | 1 9" Monel 225 9.17 | | 1 NM Stab 229 1.62 | | 1 NM Pony 226 2.98 | | 1 Stab 278 1.43 | | 1 Jars 228 6.69 | | 2 X/O 225 0.70 | | 12 Drill Collar 172 113.46 | | 1 X/O 160 0.40 | | 9 HWDP 168 85.09 | | 20 D.P. STANDS 567.54 | | 2 D.P. BROWLES 18.90 | | TOTAL 849.00 | | WT. OF DC 33.00 | | WT. OF STRING 69.00 | |
| 20 D.P. STANDS 567.54 | | 2 D.P. BROWLES 18.90 | | TOTAL 849.00 | | WT. OF DC 33.00 | | WT. OF STRING 69.00 | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | INJURIES | | RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | | | | | | |
| 1 BIT 444.5 0.30 | | 1 Dog Sub 311 0.41 | | 1 Square Motor 244.5 8.47 | | 1 NM X/O 228 0.55 | | 1 Float Sub 230 0.65 | | 1 Stab 230 1.60 | | 1 9" Monel 225 9.17 | | 1 NM Stab 229 1.62 | | 1 NM Pony 226 2.98 | | 1 Stab 278 1.43 | | 1 Jars 228 6.69 | | 2 X/O 225 0.70 | | 12 Drill Collar 172 113.46 | | 1 X/O 160 0.40 | | 9 HWDP 168 85.09 | | 21 D.P. STANDS 595.90 | | 1 D.P. BROWLES 9.50 | | TOTAL 867.00 | | WT. OF DC 33.00 | | WT. OF STRING 64.00 | |
| 1 BIT 444.5 0.30 | | 1 Dog Sub 311 0.41 | | 1 Square Motor 244.5 8.47 | | 1 NM X/O 228 0.55 | | 1 Float Sub 230 0.65 | | 1 Stab 230 1.60 | | 1 9" Monel 225 9.17 | | 1 NM Stab 229 1.62 | | 1 NM Pony 226 2.98 | | 1 Stab 278 1.43 | | 1 Jars 228 6.69 | | 2 X/O 225 0.70 | | 12 Drill Collar 172 113.46 | | 1 X/O 160 0.40 | | 9 HWDP 168 85.09 | | 21 D.P. STANDS 595.90 | | 1 D.P. BROWLES 9.50 | | TOTAL 867.00 | | WT. OF DC 33.00 | | WT. OF STRING 64.00 | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | |
|-------------------|--------------------------------|---|---|--|------------------|---|--------------------|--------------------|---------------------------|--|---------------------|--------------------------|-------------|------------------------------------|----------------------------------|-----------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | DATE 02-Sep-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | M.I.D. (mm) 3315.3 | W.P. (mm) 101.20 | BASE | GRADE | SO OF JOINTS | TOTAL LOG | W. TO LOG | SET AT (m) | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: | (1) Daily Walk Around Inspection (2) Drilling Inspection Weekly (Daily Check) (3) KPI Risk Review (Weekly) (4) Well Leaks & Stick String Inspect (5) Flow Log Status (6) BOP Drill Photo Log (7) Visually Inspect BOP's Flanges & Degasser Lines (8) G.A. O.D. Rig Safety Inspection (once per month) (9) Area Inspection Before Raising of Lowering (10) Crown Block Check (11) Motor Oil Check | FUEL @ 8:00 | RIG 177 | TEMPERATURE | DEPTH (m) 127.00 | LINEAR MASS (kg/m) 29.00 | GRADE E 85.00 | MIN. ID (mm) 156.00 | TOOL JT. O.D. (mm) 41/2f | THREAD TYPE | PUMP TYPE PZ8 | PUMP MANUFACTURER Gardner Denver | STROKE (cm) 203 |
| OPERATOR INTRAGAZ | SURFACE LOCATION Saint Flavian | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | WEATHER | CONTRACTOR | CONTRACTOR 177 | TEMPERATURE | DEPTH (m) 171.00 | LINEAR MASS (kg/m) 174.00 | GRADE DC 74.00 | MIN. ID (mm) 172.00 | TOOL JT. O.D. (mm) 5H90 | THREAD TYPE | PUMP TYPE PZ8 | PUMP MANUFACTURER Gardner Denver | STROKE (cm) 203 |
| | | | | WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | DATE 02-Sep-2003 | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | |
| | | | | RIG MANAGER Don Johnson | | RIG NO. 9ETD | | PROVINCE Quebec | | <input type="checkbox"/> CAMP <input checked="" type="checkbox"/> NO | | RIG SAFETY DAYS: 175.00 | | | | |

| TIME - HRS | CODE NO. | OPERATOR | START | STOP | DEPT | NO. SERVICE | REMARKS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | RENTALS/SERVICES |
|------------|----------|----------|-------|------|------|-------------|---------|-------------------|------------|------------|----------------|----------|------------------|
| 1.50 | | | | | | | | | | | | | |
| 10.00 | | | | | | | | | | | | | |
| 11.50 | | | | | | | | | | | | | |

| NO. | BIT | O.D. (mm) | L-LENGTH (m) | BIT NO. | MUD TYPE | METERS DRILLED | | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | |
|-----|-------------|-----------|--------------|---------|-------------|----------------|--------|----------|---|-------------|---------------|-------------------|-------|-----|-------------------------------------|--|
| | | | | | | FROM | TO | | | | | | | | | |
| 1 | Hammer Bit | 311 | 0.10 | 2 | WATER BASED | 729.00 | 867.00 | 0:00 | Continue Making Up BHA & RIH To 298m | Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> | |
| 1 | 11" Hammer | 280 | 1.62 | 311 | | 867.00 | 885.00 | 3:00 | Blow Hole Dry | Drillman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> | |
| 1 | Combo Float | 280 | 1.67 | | | | | 3:15 | Cut Off Drill Line 19m | Motorman | | Steve St onge | 12.00 | SS | <input checked="" type="checkbox"/> | |
| 1 | 11" DC | 270 | 9.14 | | | | | 3:45 | Trips RIH To 605m | Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> | |
| 1 | X/O | 266 | 0.56 | | | | | 4:45 | Change Out Rotating Rubber & Blow Hole W/ Air | Floorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> | |
| 1 | MN Pony | 226 | 2.98 | | | | | 5:45 | Trips RIH To 729m | Rig Manager | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> | |
| 1 | Stab | 232 | 1.43 | | | | | 6:45 | Break Circulation & Wash FR/ 729m TO/809m | | | | | | | |
| 2 | NMDC | 225 | 18.38 | | | | | 8:15 | Safety Meeting/Air connections | | | | | | | |
| 1 | Jar | 229 | 6.69 | | | | | 8:30 | Cont. wash to btm fr/809m-867m/.75m fill | | | | | | | |
| 3 | 9" DC | 227 | 28.02 | | | | | 10:00 | Hammer drill 311mm hole fr/867m-885m | | | | | | | |
| 1 | X/O | 225 | 0.70 | | | | | 11:30 | Deviation Survey@862m Inc=9.3 Az=328 | | | | | | | |
| 12 | 6 3/4" DC | 173 | 113.46 | | | | | 11:45 | Rig Service/Func Ann c/o 22 secs | | | | | | | |
| 1 | X/O | 165 | 0.40 | | | | | | | | | | | | | |
| 9 | HWDP | 127 | 85.09 | | | | | | | | | | | | | |

| NO. | BIT | O.D. (mm) | L-LENGTH (m) | BIT NO. | MUD TYPE | METERS DRILLED | | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | |
|-----|--------------|-----------|--------------|---------|-------------|----------------|---------|----------|---|----------|---------------|------------------|-------|-----|-------------------------------------|--|
| | | | | | | FROM | TO | | | | | | | | | |
| 1 | Hammer Bit | 311 | 0.10 | 2 | WATER BASED | 885.00 | 1017.00 | 12:00 | Hammer drill 311mm hole fr/885m- to/ 1017m | Driller | | Barry Detbrenner | 12.00 | BD | <input checked="" type="checkbox"/> | |
| 1 | Air Hammer | 280 | 1.62 | 311 | | | | 22:00 | Deviation Surveys/Accum. | Drillman | | Phil Fraser | 12.00 | PF | <input checked="" type="checkbox"/> | |
| 1 | Combo Float | 280 | 1.67 | | | | | 23:45 | Rig Service Function TPR BPR c/o 4 secs | Motorman | | Keith Dueker | 12.00 | KD | <input checked="" type="checkbox"/> | |
| 1 | DRILL COLLAR | 284 | 9.14 | | | | | | | Floorman | | Wayne Benoit | 12.00 | WB | <input checked="" type="checkbox"/> | |
| 1 | X/O | 267 | 0.56 | | | | | | | Floorman | | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> | |
| 1 | MN Pony | 226 | 2.98 | | | | | | | Leaseman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> | |
| 1 | Stab | 230 | 1.43 | | | | | | | | | | | | | |
| 2 | 9" Monel | 225 | 18.38 | | | | | | | | | | | | | |
| 1 | Jars | 228 | 6.69 | | | | | | | | | | | | | |
| 3 | DRILL COLLAR | 229 | 28.02 | | | | | | | | | | | | | |
| 1 | X/O | 225 | 0.70 | | | | | | | | | | | | | |
| 12 | DRILL COLLAR | 172 | 113.46 | | | | | | | | | | | | | |
| 1 | X/O | 160 | 0.40 | | | | | | | | | | | | | |
| 9 | HWDP | 168 | 85.09 | | | | | | | | | | | | | |

WELL TYPE: RE-ENTRY YES NO

KB TO GROUND ELEV.:

WELL NAME & No. SF-18

DATE 02-Sep-2003

OPERATOR INTRAGAZ

CONTRACTOR Nabors Drilling Limited

RIG MANAGER Don Johnson

RIG NO. 9ETD

PROVINCE Quebec

CAMP YES NO

RIG SAFETY DAYS: 175.00

| DRIVER A | CREW SAFETY DAYS | DRIVER B |
|------------|------------------|----------|
| Gordon Cyr | 4695 | |

| DRIVER A | CREW SAFETY DAYS | DRIVER B |
|------------------|------------------|----------|
| Barry Detbrenner | | |



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE: (1) Daily Checks (2) Daily Walk Around Inspection (3) Detailed Inspection Weekly (using checklists) (4) 10% Signa Present (if required) (5) Well Location & Block Diagram Present (6) Pipe Line Stakes (7) BOP DIBS Polished (8) Visually Inspect BOP's Flairings & Depress Lines (9) Rig Site Health and Safety Meeting (operator/workers) (10) C.A.O.D.C Rig Safety Inspection Checklist (on-going/monthly) (11) Mast Inspector (before Hoisting or Lowering) (12) Crown Saver Checked (13) Mast Saver Checked

LICENCE NO.: WELL NAME AND NO. SF-18

OPERATOR INTRAGAZ SURFACE LOCATION Saint Flavian

CONTRACTOR Nabors Drilling Limited

UNIQUE ID: SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden

DAILY CHECKS

| | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------------|-----------------------------|------|---------|-------|-------------|--------|------|--------|------|----------|-------|-----|---------------|----|----------|--------|--------------------|------|------------|--------|
| DATE | 04-Sep-2003 | LAST CASING TUBING OR LINER | 9ETD | OD (mm) | 339.7 | MR L.D (mm) | 3315.3 | Hght | 101.20 | MARK | Loadstar | GRADE | K55 | NO. OF JOINTS | 22 | TOTAL Lm | 309.92 | KB TO CSG HEAD (m) | 7.48 | SET AT (m) | 309.00 |
| FUEL @ 8:00 | 159 | BOILER | | | | | | | | | | | | | | | | | | | |

TEMPERATURE: CURRENT 127.00, CONDITION 29.00, WIND DIRECTION 171.00, ROAD 228.00

LINEAR MASS (kg/m): 229.00, 174.00, 236.00

GRAB: E, DC, DC

MR (mm): 85.00, 156.00, 74.00

TOOL JOINT O.D. (mm): 172.00, 228.00

THREAD TYPE: 41/2IF, 5H90, 7H90

NO. OF JOINTS: 3

PUMP TYPE: PZ8

PUMP MANUFACTURER: Gardner Denver

STROKE LTR/HR: 203

| TIME - HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
|------------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| START | | | | | | | | | | | | | | | | | | | | | | | | | |
| STOP | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 8.50 | | | | | | | | | | | | | | | | | | | | | | | | |

RENTALS/SERVICES

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| TYPE | SHALE SHAKER(S) | | | | | | | | | | | | | | | | | | | | | | | | |
| AMOUNT | 175 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 175 | | | | | | | | | | | | | | | | | | | | | | | | |

WELL TYPE: RE-ENTRY YES NO KB TO GROUND ELEV. DATE: 04-Sep-2003

WELL NAME & No. SF-18

OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited

RIG MANAGER Joe Golden RIG NO. 9ETD

PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 177.00

BIT RECORD

| NO. | CD | SIZE | BIT NO. | 5 | MUD TYPE | WATER BASED | OIL BASED | TIME | 07:30 | 11:00 |
|---------------|-------------|------|---------|-----|----------|-------------------------------------|-----------|------|-------|-------|
| 1 | PDC | 222 | 0.15 | 222 | | <input checked="" type="checkbox"/> | | | | |
| 1 | 6.75 motor | 171 | 7.27 | 222 | | | | | | |
| 1 | Float X/O | 159 | 0.71 | | | | | | | |
| 1 | Monel | 164 | 8.76 | | | | | 30 | | 44 |
| 1 | Pony collar | 167 | 3.64 | | | | | | | |
| 1 | Index sub | 164 | 0.63 | | | | | 10.5 | | 10.5 |
| 1 | Antenna sub | 164 | 0.74 | | | | | | | |
| 1 | X/O | 164 | 0.59 | | | | | | | |
| 2 | Monel | 163 | 17.77 | | | | | | | |
| 1 | 6.75 Jars | 165 | 6.41 | | | | | | | |
| 1 | Pony collar | 157 | 3.29 | | | | | | | |
| 1 | X/O | 166 | 0.73 | | | | | | | |
| 48 | HWDP | 127 | 448.91 | | | | | | | |
| 1 | X/O | 167 | 0.76 | | | | | | | |
| 1 | X/O | 165 | 0.72 | | | | | | | |
| 12 | 6.75" D.C | 173 | 113.46 | | | | | | | |
| 1 | X/O | 165 | 0.40 | | | | | | | |
| 1 | Float sub | 174 | 0.78 | | | | | | | |
| TOTAL | | | 615.72 | | | | | | | |
| WT. OF DC | | | 44.00 | | | | | | | |
| WT. OF STRING | | | 44.00 | | | | | | | |

METERS DRILLED

| FROM | TO | FEET | TO | FEET | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|---------|----|-------|-------|------|----------|---|
| 1114.00 | | 0:00 | 1:00 | 1.00 | 6 | Trip Out HWDP & 171mm DC,s |
| | | 1:00 | 6:00 | 5.00 | 6 | Lay Down all 222mm Tools & 11" DC & Air Hammer |
| | | 6:00 | 8:15 | 0.25 | 7 | Rig Service/func blinds w/out of hole c/o 6 secs, Ann c/o 19 secs |
| | | 6:15 | 10:00 | 3.75 | 20 | Dir. Work |
| | | 10:00 | 12:00 | 2.00 | 6 | Strap, caliper & pick up 38 HWDP. |

NOTES: Living allowance for travel for Garry Dale on Sept 3, 2003. Function blind rams out of hole 3sec.

CREW

| NAME | HRS | GC | DB | SS | SC | RL | DP |
|-------------------|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Gordon Cyr | 8.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Donald Bergeron | 8.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Steve St onge | 8.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sebastien Cote | 8.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rejean Larochelle | 8.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Dan Pelletier | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

BIT RECORD

| NO. | CD | SIZE | BIT NO. | 5 | MUD TYPE | WATER BASED | OIL BASED | TIME | 18:00 | 22:00 |
|---------------|-------------|------|---------|-----|----------|-------------------------------------|-----------|------|-------|-------|
| 1 | PDC | 222 | 0.15 | 222 | | <input checked="" type="checkbox"/> | | | | |
| 1 | 6.75 motor | 171 | 7.27 | 222 | | | | | | |
| 1 | Float X/O | 159 | 0.71 | | | | | | | |
| 1 | Monel | 164 | 8.76 | | | | | 35 | | 36 |
| 1 | Pony collar | 167 | 3.64 | | | | | | | |
| 1 | Index sub | 164 | 0.63 | | | | | 10.5 | | 11.5 |
| 1 | Antenna sub | 164 | 0.74 | | | | | | | |
| 1 | X/O | 164 | 0.59 | | | | | | | |
| 2 | Monel | 163 | 17.77 | | | | | | | |
| 1 | 6.75 Jars | 165 | 6.41 | | | | | | | |
| 1 | Pony collar | 157 | 3.29 | | | | | | | |
| 1 | X/O | 166 | 0.73 | | | | | | | |
| 48 | HWDP | 127 | 448.91 | | | | | | | |
| 1 | X/O | 167 | 0.76 | | | | | | | |
| 1 | X/O | 165 | 0.72 | | | | | | | |
| 12 | 6.75" D.C | 173 | 113.46 | | | | | | | |
| 1 | X/O | 165 | 0.40 | | | | | | | |
| 1 | Float sub | 174 | 0.78 | | | | | | | |
| TOTAL | | | 1161.00 | | | | | | | |
| WT. OF DC | | | 44.00 | | | | | | | |
| WT. OF STRING | | | 81.00 | | | | | | | |

METERS DRILLED

| FROM | TO | FEET | TO | FEET | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | |
|---------|---------|------|----|-------|----------|---|----|---|
| 1114.00 | 1161.00 | D 10 | 5 | 12:00 | 16:15 | 4.25 | 6 | Con't picking up HWDP. R.L.H |
| | | | | 16:15 | 16:30 | 0.25 | 5 | Wash in F/1107m - 1114m. 0.5m fill. |
| | | | | 16:30 | 19:00 | 2.50 | 2 | Drill 222mm Hole F/1114m - 1126m |
| | | | | 19:00 | 19:15 | 0.25 | 7 | Rig Service. Grease topdrive. Func top & btm pipe rams c/o 6 secs ea. |
| | | | | 19:15 | 23:15 | 4.00 | 2 | Drill 222mm Hole F/ 1126m - 1161m |
| | | | | 23:15 | 0:00 | 0.75 | 10 | Deviation Survey w/MWD accum. |

NOTES: Check bags & manifolds, stabbing valve & x/o's, brackets & linkages, check & func crown saver. BD Pumping Fluid @ 1.5 m/min. Air @ 0.5m/min transferred 27m3 to sump#4

CREW

| NAME | HRS | GC | DB | PS | RP | JG | BD | KD | WB | VP |
|------------------|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Garry Dale | 12.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Jeff Bergeron | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pat St onge | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Robin Pelletier | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pete St onge | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Junior Grimard | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Barry Detbrenner | 4.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Phil Fraser | 4.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Keith Dueker | 4.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Wayne Benoit | 4.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Vaugh Prychak | 4.00 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--|--|--|------------------------------------|--|----------------------------------|--|--|--|---|--|---------------------------------------|--|------------------------------------|--|--------------------------|--|---------------------------|--|----------------------------------|--|----------------------|--|---|--|-----------------------|--|------------------|--|-------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 06-Sep-2003 | | LAST CASING TUBING OR LINER | | G.O. (mm) | | FIELD | | AGE | | MAKE | | GRADE | | NO OF JOINTS | | TOTAL WT. (LBS) | | KB TO CGR (HEAD IN) | | SET AT (in) | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | FUEL @ 8:00 155 | | TEMPERATURE 127.00 29.00 E | | LINEAR MASS (LBS/FT) 171.00 174.00 DC | | GRADE 74.00 72.00 SH90 | | M.M. ID (mm) 74.00 72.00 | | TOOL JT. O.D. (mm) 41/2if | | THREAD TYPE PZ8 | | NO OF JOINTS PZ8 | | PUMP TYPE Gardner Denver | | PUMP MANUFACTURER 203 | | GRADE (LBS/INCH) | | SET AT (in) | |
| SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | WEATHER ROAD | | CURRENT CONDITION 127.00 29.00 E | | WIND DIRECTION 171.00 174.00 DC | | ROAD 228.00 236.00 | | SHALE SHAKER(S) DC 74.00 | | THREAD TYPE 7H90 | | NO OF JOINTS 3 | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | GRADE (LBS/INCH) 203 | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | DATE 06-Sep-2003 | | | |
| TIME - HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | | | | | | |
| 1 PDC 222 0.15 | | BIT NO. 5 | | MUD TYPE WATER BASED | | TIME 06:00 08:30 12:00 | | FROM 1277.00 TO 1314.00 | | DR 20 10 | | 0:00 0:45 0:75 24 | | Cont. well kill | | Rig Manager Dan Pelletier 12.00 DP | | | | | | | | | | | | | | | | | |
| 1 6.75 motor 171 7.27 | | MUD CODE S 6 1 5 | | DENSITY (kg/m3) 1030 | | 1030 1020 1025 | | 0:45 2:00 1:25 8 | | Pull 7 stds DP to 1096m | | Driller Barry Detbrenner 12.00 BD | | | | | | | | | | | | | | | | | | | | | |
| 1 Monel 164 8.76 | | MFG. UDI | | PUMP (L/min) 37 | | 37 40 37 | | 2:00 3:15 1:25 5 | | Collect gas samples, circ out gas cut mud, flow check @ 1096m/well dead. | | Derrickman Phil Fraser 12.00 PF | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 167 3.64 | | TYPE Ud 513 | | W.L. (cm3) 12.0 | | 12.0 12.0 12.0 | | 3:15 4:00 0:75 6 | | Rih to btm / 1m fill/wash to btm | | Motorman Keith Dueker 12.00 KD | | | | | | | | | | | | | | | | | | | | | |
| 1 Index sub 164 0.63 | | SERIAL NO. 00906 | | pH 63.6 | | 65 74 | | 4:00 11:15 7:25 2 | | Dir. drill 222mm hole fr/1277m-1314m | | Floorman Wayne Benoit 12.00 WB | | | | | | | | | | | | | | | | | | | | | |
| 1 Antenna sub 164 0.74 | | DEPTH OUT (m) 1114.00 | | MUD MATERIAL ADDED | | SOLIDS CONTROL | | 11:15 11:45 0:50 10 | | Accum. surveys w/MWD. | | Floorman Vaughn Prychak 12.00 VP | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 164 0.59 | | DEPTH IN (m) 200.00 | | PRODUCT xanvis | | AMOUNT x UNIT 4 sx | | 11:45 12:00 0:25 7 | | Rig Service. Function annular 22sec. | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Monel 163 17.77 | | TOTAL METERS DRILLED (m) 28.00 | | CausticSoda | | 4 sx | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 6.75 Jars 165 6.41 | | TOTAL HOURS RUN 28.00 | | chem barrel | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 157 3.29 | | CLIPPING STRUCTURE | | HOLE CONDITION | | floc tank | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 166 0.73 | | HOLE DRAG 3 up & down | | TORQUE AT BOTTOM 3-4000 ft/lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 HWDP 127 448.91 | | TORQUE AT BOTTOM 1.00 | | FILL ON BOTTOM (m) 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 167 0.76 | | TOTAL HOURS RUN 44.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.72 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 6.75" D.C 173 113.46 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.40 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Float sub 174 0.78 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 D.P. STAMPS 681.03 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 D.P. BINGLES 9.45 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 1314.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF B.C. 44.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF STAMPS 83.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | | | | | | |
| 1 PDC 222 0.15 | | BIT NO. 5 | | MUD TYPE WATER BASED | | TIME 14:00 18:00 22:00 | | FROM 1314.00 TO 1377.00 | | D 15 8 | | 12:00 14:30 2:50 2 | | Drill 222mm hole F/1314m -1325m | | Driller Garry Dale 12.00 GD | | | | | | | | | | | | | | | | | |
| 1 6.75 motor 171 7.27 | | MUD CODE S 6 1 5 | | DENSITY (kg/m3) 1035 | | 1035 1030 1035 | | 14:30 14:45 0:25 7 | | Rig Service. Function lower pipe rams 6sec. Hcr open 3sec. | | Derrickman Jeff Bergeron 12.00 JB | | | | | | | | | | | | | | | | | | | | | |
| 1 Float X/O 159 0.71 | | MFG. UDI | | PUMP (L/min) 37 | | 37 40 37 | | 14:45 23:00 8:25 2 | | Deviation Survey/Accum. w/MWD. | | Motorman Pat St onge 12.00 PS | | | | | | | | | | | | | | | | | | | | | |
| 1 Monel 164 8.76 | | TYPE Ud 513 | | W.L. (cm3) 12.0 | | 12.0 12.0 12.0 | | 23:00 0:00 1:00 10 | | | | Floorman Robin Pelletier 12.00 RP | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 167 3.64 | | SERIAL NO. 00906 | | pH 79 | | 72.8 69.2 | | | | | | Floorman Pete St onge 12.00 PS | | | | | | | | | | | | | | | | | | | | | |
| 1 Index sub 164 0.63 | | DEPTH OUT (m) 1114.00 | | MUD MATERIAL ADDED | | SOLIDS CONTROL | | | | | | Leaseman Junior Grimard 12.00 JG | | | | | | | | | | | | | | | | | | | | | |
| 1 Antenna sub 164 0.74 | | DEPTH IN (m) 263.00 | | PRODUCT CausticSoda | | AMOUNT x UNIT 4 SXS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 164 0.59 | | TOTAL METERS DRILLED (m) 38.75 | | Xanvis | | 5 SXS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Monel 163 17.77 | | TOTAL HOURS RUN 38.75 | | H2o | | 4 Chem bbl | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 6.75 Jars 165 6.41 | | CLIPPING STRUCTURE | | Floc Tank | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 157 3.29 | | HOLE CONDITION | | Sodium sulfate | | 10 SXS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 166 0.73 | | HOLE DRAG 5up/5down | | TORQUE AT BOTTOM 7000 | | causticsoda | | 1 SX | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 HWDP 127 448.91 | | TORQUE AT BOTTOM 1.00 | | FILL ON BOTTOM (m) 1.00 | | gel | | 26 SX | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 167 0.76 | | TOTAL HOURS RUN 44.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.72 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 6.75" D.C 173 113.46 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.40 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Float sub 174 0.78 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 D.P. STAMPS 737.70 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 D.P. BINGLES 18.83 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 1377.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF B.C. 44.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF STAMPS 83.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | | | | | | | | | | | | | | |
| 1 PDC 222 0.15 | | BIT NO. 5 | | MUD TYPE WATER BASED | | TIME 6:00 9:00 12:00 | | FROM 1377.00 TO 1388.25 | | D 15 8 | | 12:00 13:00 1:00 10 | | Connections | | 4604 | | | | | | | | | | | | | | | | | |
| 1 6.75 motor 171 7.27 | | MUD CODE S 6 1 5 | | DENSITY (kg/m3) 1035 | | 1035 1030 1035 | | 13:00 13:15 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Float X/O 159 0.71 | | MFG. UDI | | PUMP (L/min) 37 | | 37 40 37 | | 13:15 13:30 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Monel 164 8.76 | | TYPE Ud 513 | | W.L. (cm3) 12.0 | | 12.0 12.0 12.0 | | 13:30 13:45 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 167 3.64 | | SERIAL NO. 00906 | | pH 79 | | 72.8 69.2 | | 13:45 13:55 0:10 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Index sub 164 0.63 | | DEPTH OUT (m) 1114.00 | | MUD MATERIAL ADDED | | SOLIDS CONTROL | | 13:55 14:00 0:05 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Antenna sub 164 0.74 | | DEPTH IN (m) 263.00 | | PRODUCT CausticSoda | | AMOUNT x UNIT 4 SXS | | 14:00 14:15 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 164 0.59 | | TOTAL METERS DRILLED (m) 38.75 | | Xanvis | | 5 SXS | | 14:15 14:30 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Monel 163 17.77 | | TOTAL HOURS RUN 38.75 | | H2o | | 4 Chem bbl | | 14:30 14:45 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 6.75 Jars 165 6.41 | | CLIPPING STRUCTURE | | Floc Tank | | 1 | | 14:45 15:00 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Pony collar 157 3.29 | | HOLE CONDITION | | Sodium sulfate | | 10 SXS | | 15:00 15:15 0:15 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 166 0.73 | | HOLE DRAG 5up/5down | | TORQUE AT BOTTOM 7000 | | causticsoda | | 1 SX | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 HWDP 127 448.91 | | TORQUE AT BOTTOM 1.00 | | FILL ON BOTTOM (m) 1.00 | | gel | | 26 SX | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 167 0.76 | | TOTAL HOURS RUN 44.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.72 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 6.75" D.C 173 113.46 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 X/O 165 0.40 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Float sub 174 0.78 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 D.P. STAMPS 737.70 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 D.P. BINGLES 18.83 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 1377.00 | | HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF B.C. 44.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|-------------------------|--|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | OPERATOR INTRAGAZ | |
| CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | |
| SURFACE LOCATION Saint Flavian | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |

| DATE | TIME | TEMPERATURE | WIND DIRECTION | ROAD | WATER | WEATHER | WIND SPEED | WIND DIR | WIND GUST | WIND DIR | WIND GUST | WIND DIR | WIND GUST |
|-------------|------|-------------|----------------|--------|-------|---------|------------|----------|-----------|----------|-----------|----------|-----------|
| 07-Sep-2003 | 9:00 | 127.00 | 171.00 | 228.00 | 135 | 135 | 127.00 | 171.00 | 228.00 | 135 | 135 | 127.00 | 171.00 |

| NO. | BT | W.D. | DEPTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | TIME | CODE | REMARKS |
|-----|----|------|-------|---------|----------|-------------|-----------|------|------|----|------|------|---------|
|-----|----|------|-------|---------|----------|-------------|-----------|------|------|----|------|------|---------|

| | | | | | | | | | | | | | | | | | | |
|---------------|-------------|---------|---------|--------------------|---------|---------|---------|-------|---------|---------|----|----|----|------|------|------|---|--|
| 1 | PDC | 222 | 0.15 | 5 | 6 | 6 | 6 | 02:00 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | 8.75 motor | 171 | 7.27 | 222 | 222 | 222 | 222 | 1035 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Float X/O | 159 | 0.71 | S | 6 | 1 | 5 | 1035 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Monel | 164 | 8.76 | MFG. | UDI | REED | REED | 39 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Pony collar | 167 | 3.64 | TYPE | UD513 | TD51AM | TD51AM | 12.0 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Index sub | 164 | 0.63 | SERIAL NO. | 00906 | L15004 | L15004 | 12.0 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Antenna sub | 184 | 0.74 | JETS | 12.7 | 12.7 | 7.9 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | X/O | 184 | 0.59 | DEPTH OUT (m) | 1380.00 | 1380.00 | 1380.00 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 2 | Monel | 163 | 17.77 | DEPTH IN (m) | 1114.00 | 1380.00 | 1380.00 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | 6.75 Jars | 165 | 6.41 | TOTAL HOURS RUN | 266.00 | 1380.00 | 1380.00 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Pony collar | 157 | 3.29 | TOTAL HOURS RUN | 39.75 | 1380.00 | 1380.00 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | X/O | 166 | 0.73 | CUTTING STRUCTURE | 1030 | 1025 | 1650 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 48 | HWDP | 127 | 448.91 | HOLE CONDITION | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | X/O | 167 | 0.76 | HOLE DRAG | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | X/O | 165 | 0.72 | TORQUE AT BOTTOM | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 12 | 6.75" D.C | 173 | 113.46 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | X/O | 185 | 0.40 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 1 | Float sub | 174 | 0.78 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 26 | D.P. | STANDS | 737.70 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| 2 | D.P. | SINGLES | 18.83 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| KELLYDOWN | | | 7.75 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| TOTAL | | | 1380.00 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| WT. OF DC | | | 44.00 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |
| WT. OF STRING | | | 83.00 | FILL ON BOTTOM (m) | 1030 | 1025 | 1645 | 65 | 1377.00 | 1380.00 | DR | 20 | 10 | 0:00 | 1:00 | 1.00 | 2 | Dir. Drill 222mm hole Fr/1377m-1380m/losing fluid to hole,ROP down |

| | | |
|------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE 07-Sep-2003 | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 180.00 |

| NO. | BT | W.D. | DEPTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | TIME | CODE | REMARKS |
|-----|----|------|-------|---------|----------|-------------|-----------|------|------|----|------|------|---------|
|-----|----|------|-------|---------|----------|-------------|-----------|------|------|----|------|------|---------|

| | | | | | | | | | | | | | | | | | | |
|---------------|-------------|---------|---------|--------------------|---------|---------|---------|-------|---------|---------|---|----|----|-------|-------|------|---|---|
| 1 | Reed bit | 222 | 0.25 | 6 | 6 | 6 | 6 | 17:30 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | 8.75 motor | 171 | 7.27 | 222 | 222 | 222 | 222 | 1035 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Float X/O | 159 | 0.71 | S | 5 | 1 | 7 | 1035 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Monel | 164 | 8.76 | MFG. | Reed | Reed | Reed | 39 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Pony collar | 167 | 3.64 | TYPE | TD51AM | TD51AM | TD51AM | 12.0 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Index sub | 164 | 0.63 | SERIAL NO. | L15004 | L15004 | L15004 | 12.0 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Antenna sub | 164 | 0.74 | JETS | 12.7 | 12.7 | 7.9 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | X/O | 164 | 0.59 | DEPTH OUT (m) | 1380.00 | 1410.00 | 1410.00 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 2 | Monel | 163 | 17.77 | DEPTH IN (m) | 1380.00 | 1410.00 | 1410.00 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | 6.75 Jars | 165 | 6.41 | TOTAL HOURS RUN | 30.00 | 1410.00 | 1410.00 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Pony collar | 157 | 3.29 | TOTAL HOURS RUN | 7.75 | 1410.00 | 1410.00 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | X/O | 166 | 0.73 | CUTTING STRUCTURE | 1035 | 1020 | 1690 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 48 | HWDP | 127 | 448.91 | HOLE CONDITION | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | X/O | 167 | 0.76 | HOLE DRAG | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | X/O | 165 | 0.72 | TORQUE AT BOTTOM | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 12 | 6.75" D.C | 173 | 113.46 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | X/O | 185 | 0.40 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Float sub | 174 | 0.78 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 27 | D.P. | STANDS | 765.98 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 2 | D.P. | SINGLES | 18.93 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| KELLYDOWN | | | 9.27 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| TOTAL | | | 1410.00 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| WT. OF DC | | | 44.00 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| WT. OF STRING | | | 83.00 | FILL ON BOTTOM (m) | 1035 | 1020 | 1685 | 63 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |

| NO. | BT | W.D. | DEPTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | TIME | CODE | REMARKS | | | | | |
|-----|-------------|------|-------|---------|----------|-------------|-----------|-------|---------|---------|------|------|---------|-------|-------|------|---|---|
| 1 | Reed bit | 222 | 0.25 | 6 | 6 | 6 | 6 | 17:30 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | 8.75 motor | 171 | 7.27 | 222 | 222 | 222 | 222 | 1035 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Float X/O | 159 | 0.71 | S | 5 | 1 | 7 | 1035 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Monel | 164 | 8.76 | MFG. | Reed | Reed | Reed | 39 | 1380.00 | 1410.00 | D | 15 | 10 | 12:00 | 15:15 | 3.25 | 6 | Con't R.L.H w/bit #6 F/330m. Fill pipe @ 700m |
| 1 | Pony collar | 167 | 3.64 | TYPE | TD51AM | TD51AM | TD51AM | 12.0 | 1380.00 | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | |
|---|--|------------------------------------|-----|--|-----|------|------------------|-----------------------------|-----------|-----------|--------|----------|-------|---------------|-------------------|-----------------|------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | OPR | R.M. | DATE 08-Sep-2003 | LAST CASING TUBING OR LINER | O.D. (mm) | I.D. (mm) | W.P. | MAKE | GRADE | NO. OF JOINTS | TOTAL HOLE LENGTH | KB TO REG. HEAD | SET AT (m) |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | | (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (using check list) (3) 10% Digite Probed (if required) (4) Well Losses & Back Choke Probed (5) Flare Line Stalled (6) UOP/Drill Performance (7) Visually Inspect BOP's Flanges & Discusor Lines (8) Rig Site Health and Safety Meeting (before start) (9) C.A.O.D.C. Rig Safety Inspection Checklist (before start) (10) Check Inspection Before Starting of Drilling (11) Crown Saver Checked (12) Well KICs Checked | OPR | R.M. | RIG NO. 9ETD | FUEL @ 8:00 | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 309.92 | 7.48 | 309.00 |
| OPERATOR INTRAGAZ | SURFACE LOCATION Saint Flavien | CONTRACTOR UNIQUE ID: | | TEMPERATURE: 127.00 29.00 E 85.00 156.00 41/2if PZ8 Gardner Denver 203 CURRENT CONDITION: 171.00 174.00 DC 74.00 172.00 5H90 PZ8 Gardner Denver 203 WIND DIRECTION: 228.00 236.00 DC 74.00 228.00 7H90 3 ROAD: 228.00 236.00 DC 74.00 228.00 7H90 3 | | | | | | | | | | | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | | | | | | | | | | | | | | | |

| | | | | | |
|------------------------|---|--|--------------------|------|-------------|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. | DATE | 08-Sep-2003 |
| WELL NAME & No. SF-18 | CONTRACTOR Nabors Drilling Limited | | OPERATOR INTRAGAZ | | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | | PROVINCE Quebec | | |
| CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 181.00 | | | |

| TIME - HRS | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR | | INJURIES | |
|------------|-------------------|-----------|------------|-----------|------------|---------------|----------------|----|------------|-----------|---|------|---------------|------|----------|--------|
| | NO. | Q.D. (mm) | Q.D. (mm) | DEPTH (m) | PRODUCT | AMOUNT x UNIT | FROM | TO | START TIME | STOP TIME | DESCRIPTION | CREW | SOC. INS. NO. | NAME | HRS | YES NO |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------|---------|---------|--------------------|-------------|--------------------|--|---------|---------------|---------------|-------|---------|---------|----|----|----|------|------|------|---|---|-------------|--|------------------|-------|----|--------------------------|-------------------------------------|--|--|--|--|--|
| 1 | Reed bit | 222 | 0.25 | BIT NO. | 6 | MUD TYPE | <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | TIME | 02:00 | 06:00 | 08:00 | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Dir. drill 222mm hole fr/1410m-1413m/Drilling break fr/1412-1413m | Rig Manager | | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | 6.75 motor | 171 | 7.27 | SIZE | 222 | DEPTH IN (m) | 1380.00 | PRODUCT | Amount x Unit | Centrifuge #1 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Well flowing/shut in well/SICP@1:05=305kpa SIDPP=673kpa @1:21 SICP=600kpa SIDPP=810kpa.Circ out gas thru choke.Flow check,well dead | Driller | | Barry Detbrenner | 12.00 | BD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | Float X/O | 159 | 0.71 | IADC CODE | 5 1 7 | TORQUE AT BOTTOM | 9500 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Dir. drill 222mm hole fr/1413m- 1438m | Derrickman | | Phil Fraser | 12.00 | PF | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | Monel | 164 | 8.76 | MFG. | Reed | FILL ON BOTTOM (m) | | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Rig Service/Function Top pipe rams 6sec.Hcr 3sec open. Service topdrive, Grease upper well control. | Motorman | | Keith Dueker | 12.00 | KD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | Pony collar | 167 | 3.64 | TYPE | TD51AM | DEPT IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Drill 222mm hole F/ 1438m - 1448m | Floorman | | Wayne Benoit | 12.00 | WB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | Index sub | 164 | 0.63 | SERIAL NO. | L15004 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | Accum. surveys w/MWD. | Floorman | | Vaugh Prychak | 12.00 | VP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| 1 | Antenna sub | 164 | 0.74 | JETS | 127 143 7.9 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.59 | DEPTH OUT (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 2 | Monel | 163 | 17.77 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | 6.75 Jars | 165 | 6.41 | TOTAL HOURS RUN | 16.50 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | Pony collar | 157 | 3.29 | TOTAL HOURS RUN | 16.50 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | X/O | 166 | 0.73 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 48 | HWDP | 127 | 448.91 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.76 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | X/O | 165 | 0.72 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 12 | 6.75" D.C | 173 | 113.46 | TORQUE AT BOTTOM | 9500 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | X/O | 165 | 0.40 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | Float sub | 174 | 0.78 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 29 | D.P. | STAMPS | 822.73 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| 1 | D.P. | SINGLES | 9.46 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| TOTAL | | | 1448.01 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| WT. OF D.C | | | 44.00 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |
| WT. OF STRONG | | | 83.00 | FILL ON BOTTOM (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1410.00 | 1448.00 | DR | 20 | 16 | 0:00 | 1:00 | 1:00 | 2 | | | | | | | | | | | | | |

| | | | | | | | | | | |
|-------------------|------------------|--------------|------------|---------------|------------------|--------------|----------|----------|------------------|----------|
| DRILLER SIGNATURE | Barry Detbrenner | ROSEN #1 & 2 | STACK TEMP | OPERATOR FUEL | MAX EXP HOORLOAD | SAFETY TOPIC | M.A.C.P. | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| 0:00 | 96.00 | Fire ext. | 4589 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------------|-----|--------|------------------|-------------|--------------------|--|---------|---------|-------|-------|---------|---------|---|----|----|-------|-------|------|---|--|------------|--|-----------------|-------|----|--------------------------|-------------------------------------|--|--|--|--|
| 1 | Reed bit | 222 | 0.25 | BIT NO. | 6 | MUD TYPE | <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | TIME | 12:00 | 18:00 | 22:00 | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Drill 222mm hole F/ 1448 - 1455m | Driller | | Garry Dale | 12.00 | GD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | 6.75 motor | 171 | 7.27 | SIZE | 222 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Flow check | Derrickman | | Jeff Bergeron | 12.00 | JB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | Float X/O | 159 | 0.71 | IADC CODE | 5 1 7 | TORQUE AT BOTTOM | 10000ft/lbs | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Drill 222mm hole fr/1455m-1460m | Motorman | | Pat St onge | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | Monel | 164 | 8.76 | MFG. | Reed | FILL ON BOTTOM (m) | | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Circ. @ 55spm. Mud in flarepit to airated to pump back to mud tanks. | Floorman | | Robin Pelletier | 12.00 | RP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | Pony collar | 167 | 3.64 | TYPE | TD51AM | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Drill 222mm hole F/ 1460m - 1495m | Floorman | | Pete St onge | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | Index sub | 164 | 0.63 | SERIAL NO. | L15004 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Deviation Survey/Accum w/MWD | Floorman | | Robin Pelletier | 12.00 | RP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | Antenna sub | 164 | 0.74 | JETS | 127 143 7.9 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | Rig Service/Func. ann. c/o 22 secs,btm pipe rams c/o 6 secs | Floorman | | Pete St onge | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| 1 | X/O | 164 | 0.59 | DEPTH OUT (m) | | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 2 | Monel | 163 | 17.77 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 1 | 6.75 Jars | 165 | 6.41 | TOTAL HOURS RUN | 26.25 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 1 | Pony collar | 157 | 3.29 | TOTAL HOURS RUN | 26.25 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 1 | X/O | 166 | 0.73 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 48 | HWDP | 127 | 448.91 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.76 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 1 | X/O | 165 | 0.72 | DEPTH IN (m) | 1380.00 | DEPTH IN (m) | 1380.00 | DEFAMER | 3 Pails | 0.00 | | 1448.00 | 1495.00 | D | 15 | 15 | 12:00 | 13:45 | 1:75 | 2 | | | | | | | | | | | | |
| 12 | 6.75" D.C | 173 | 113.46 | TORQUE AT BOTTOM | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SPUD LICENCE NO. RIG RELEASE WELL NAME AND NO. JOB NO. AFE

OPERATOR INTRAGAZ SURFACE LOCATION Saint Flavian SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE

CONTRACTOR Nabors Drilling Limited UNIQUE ID: SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

DAILY CHECKS

(1) Daily Walk Around Inspection
 (2) Disassemble Inspection Weekly (during check-out)
 (3) IETS Signa Printed (if required)
 (4) Well Logbook & Slips Diagram Printed
 (5) Name List Printed
 (6) SCOT Check Performed
 (7) Visually Inspect BOP's Handlines & Engage Lines
 (8) Rig Site Health and Safety Meeting (as applicable)
 (9) C.A.O.D.C. Rig Safety Inspection Checklist (as applicable)
 (10) Mast Inspection Before Raising or Lowering
 (11) Crown Saver Checked
 (12) Motor Kill Checked

DATE 12-Sep-2003 LAST CASING TUBING OR LINER FUEL @ 8:00

RIG NO. 9ETD

RIG 154 BOILER

TEMPERATURE CURRENT CONDITION WIND DIRECTION ROAD

OCOP SIZE LINEAR MASS GRADE

339.7 3315.3 101.20 Loadstar K55 22 309.92 7.48 309.00

127.00 29.00 E 85.00 156.00 41/2if PZ8 Gardner Denver 203

171.00 174.00 DC 74.00 172.00 5H90 PZ8 Gardner Denver 203

228.00 236.00 DC 74.00 228.00 7H90 3



Based on the CAODC ETS file standard

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|------|---|---|---|---|------|------|------|---|----|------|----|----|----|----|----|----|----|----|----|------|----|----|----|
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 4.75 | | | | | 6.50 | 7.25 | 0.25 | | | 0.25 | | | | | | | | | | 0.25 | | | |

| SHALE SHAKER(S) | NO. 1 | NO. 2 | NO. 3 | NO. 4 | NO. 5 | NO. 6 | NO. 7 | NO. 8 | NO. 9 | NO. 10 | NO. 11 | NO. 12 | NO. 13 | NO. 14 | NO. 15 | NO. 16 | NO. 17 | NO. 18 | NO. 19 | NO. 20 | NO. 21 | NO. 22 | NO. 23 | NO. 24 | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| RENTALS/SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCREENS CHANGED | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOP | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLE | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOTTOM | | | | | | | | | | | | | | | | | | | | | | | | | |

WELL TYPE RE-ENTRY YES NO KB TO GROUND ELEV. DATE 12-Sep-2003

OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited

RIG MANAGER Don Johnson RIG NO. 9ETD

PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 185.00

| NO. | BIT | D.D. (mm) | LENGTH | BIT NO. | MUD TYPE | TIME | DENSITY | FLUENE | W.L. (m3) | PH | PVT | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS DRILLED (m) | TOTAL HOURS RUN | CUTTING STRUCTURE | HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m) |
|-----|---------------|-----------|--------|-----------|-------------|-------|---------|--------|-----------|-----|------|---------------|--------------|--------------------------|-----------------|--------------------|------------|------------------|--------------------|
| 1 | Reed bit | 222 | 0.25 | 7 | WATER BASED | 01:00 | 1030 | 47 | 9.5 | 9.5 | 40.7 | 36.6 | 17.18 | 1636.00 | 3.29 | 17up/16down static | 5000ft/lbs | | |
| 1 | Motor | 171 | 7.18 | 222 | | 05:00 | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.71 | IADC CODE | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.64 | TD53A | | | | | | | | | | | | | | | |
| 1 | Index Sub | 164 | 0.63 | Q34922 | | | | | | | | | | | | | | | |
| 1 | Antenna Sub | 164 | 0.74 | JETS | | | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.59 | | | | | | | | | | | | | | | | |
| 2 | NM Flex Pony | 164 | 17.77 | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | | |
| 1 | NM X/O | 166 | 0.73 | | | | | | | | | | | | | | | | |
| 54 | HWDP | 168 | 504.99 | | | | | | | | | | | | | | | | |
| 36 | O.P. | STANDS | | | | | | | | | | | | | | | | | |
| 0 | O.P. | STANDS | 0.00 | | | | | | | | | | | | | | | | |
| | KELLYDOWN | | 0.00 | | | | | | | | | | | | | | | | |
| | TOTAL | | 555.69 | | | | | | | | | | | | | | | | |
| | WT. OF DC | | | | | | | | | | | | | | | | | | |
| | WT. OF STRING | | 65.00 | | | | | | | | | | | | | | | | |

| FROM | TO | ELAP. TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|------------|----------|---|
| 0:00 | 0:15 | 0:25 | 6 | Con't 2nd wiper trip. |
| 0:15 | 1:00 | 0:75 | 5 | Circulate bottoms up prior to pulling to 12 1/4 hole for pressure integrity test. |
| 1:00 | 4:45 | 3:75 | 6 | Pump out stands till 1300m. Tight @ 1534m, 1519m, 1498m, 1465m. Pull stds F/ 1300m - 1045m. |
| 4:45 | 5:30 | 0:75 | 5 | Circulate bottoms up. |
| 5:30 | 5:45 | 0:25 | 7 | Rig Service. Function bot. pipe rams 6sec closed. Hcr 3sec open. |
| 5:45 | 8:45 | 3:00 | 22 | Run pressure integrity test. |
| 8:45 | 9:00 | 0:25 | 6 | Trip Up To 1017m |
| 9:00 | 9:30 | 0:50 | 5 | Wash Down To 1130m |
| 9:30 | 11:15 | 1:75 | 6 | Trip To 1460m Tight Spots @ 1360m, 1415m, 1460m |
| 11:15 | 12:00 | 0:75 | 5 | Wash FR/ 1460m TO/1570m |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|-------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Jeff Bergeron | 12.00 | JB | <input checked="" type="checkbox"/> |
| Motorman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Rig Manager | | Joe Golden | 12.00 | | <input type="checkbox"/> |

| NO. | BIT | D.D. (mm) | LENGTH | BIT NO. | MUD TYPE | TIME | DENSITY | FLUENE | W.L. (m3) | PH | PVT | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS DRILLED (m) | TOTAL HOURS RUN | CUTTING STRUCTURE | HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m) |
|-----|---------------|-----------|---------|-----------|-------------|-------|---------|--------|-----------|------|------|---------------|--------------|--------------------------|-----------------|--------------------|------------|------------------|--------------------|
| 1 | Reed bit | 222 | 0.25 | 7 | WATER BASED | 13:18 | 1045 | 54 | 10.5 | 10.5 | 45.2 | 44.7 | 17.18 | 1638.00 | 4.75 | 18up/18down static | 9000ft/lbs | | |
| 1 | Motor | 171 | 7.18 | 222 | | 15:00 | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.71 | IADC CODE | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.64 | TD53A | | | | | | | | | | | | | | | |
| 1 | Index Sub | 164 | 0.83 | Q34922 | | | | | | | | | | | | | | | |
| 1 | Antenna Sub | 164 | 0.74 | JETS | | | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.59 | | | | | | | | | | | | | | | | |
| 2 | NM Flex Pony | 164 | 17.77 | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | | |
| 1 | NM X/O | 166 | 0.73 | | | | | | | | | | | | | | | | |
| 54 | HWDP | 168 | 504.99 | | | | | | | | | | | | | | | | |
| 38 | O.P. | STANDS | 1079.10 | | | | | | | | | | | | | | | | |
| 1 | O.P. | STANDS | 9.50 | | | | | | | | | | | | | | | | |
| | KELLYDOWN | | 0.71 | | | | | | | | | | | | | | | | |
| | TOTAL | | 1645.00 | | | | | | | | | | | | | | | | |
| | WT. OF DC | | 33.00 | | | | | | | | | | | | | | | | |
| | WT. OF STRING | | 66.00 | | | | | | | | | | | | | | | | |

| FROM | TO | ELAP. TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|------------|----------|--|
| 12:00 | 13:00 | 1:00 | 5 | Wash FR/ 1460m TO btm |
| 13:00 | 15:30 | 2:50 | 5 | Condition Mud & Circ. & Work Pipe |
| 15:30 | 16:00 | 0:50 | 6 | Trip Up To 1490m & Flow Check |
| 16:00 | 16:15 | 0:25 | 21 | BOP Drill (Trip Mode) Well Secured 45 secs G.C. |
| 16:15 | 17:00 | 0:75 | 6 | Trip Down To 1615m |
| 17:00 | 17:15 | 0:25 | 5 | Wash FR/ 1615m To Btm |
| 17:15 | 21:30 | 4:25 | 2 | Pattern Bit & Drill 222mm Directional Hole FR/1636m TO/1644m |
| 21:30 | 23:15 | 1:75 | 23 | Work tight hole F/1629m - 1625m |
| 23:15 | 23:45 | 0:50 | 2 | Directional drill 222mm hole F/1644m - 1645m |
| 23:45 | 24:00 | 0:25 | 10 | Survey w/MWD. |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Steve St onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Floorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Leaseman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--|---|--|------------------------------------|--|----------------|--|---|--|---|--|-----------------|--|------------------|--|-----------------|--|----------------|--|------------------|--|------------------|--|----------------------------------|--|--------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 14-Sep-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) 339.7 | | I.D. (mm) 3315.3 | | WGT (kg) 101.20 | | GRADE Loadstar | | NO. OF JOINTS 22 | | TOTAL (m) 309.92 | | KG TO CAS HEAD (kg) 7.48 | | SET AT (m) 309.00 | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | WEATHER | | TEMPERATURE | | CURRENT 127.00 | | WIND 171.00 | | MOON | | STAR | | CLOUDS | | WIND DIRECTION | | PUMP TYPE PZB | | PUMP MANUFACTURER Gardner Denver | | STROKE (L/REV) 203 | |
| SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | | | | |



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, DAILY CHECKS, DATE, RIG NO., CASING TURNING OR LINER, FUEL @ 8:00, 98 BOILER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG NO., RIG MANAGER, PROVINCE, RIG SAFETY DAYS

TIME - HRS table with columns for COOL NO., OPER, HIG UP, HIG DOWN, SMALL ACTUAL, REMAINING, CORING, CONN. CIRC., TRIPS, HD SERVICE, REPAIR, CUT OFF, DRY SURVEY, WIRE LINE LOG, RIG LOG & ELEMENT, WAIT ON, WIPPLE UP, TEST, DRILL, FLUID BACK, ROCKET, FISHING, RIG WORK, SAFETY, MFL

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

BIT RECORD table with columns for BIT NO., MUD TYPE, SIZE, IADC CODE, MFG, TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED table with columns for FROM, TO, R, S, W, L, FROM, TO, Trip Time, Code, Circulation Pressure (KPa), PUMP NO. 1, PUMP NO. 2, DEVIATION SURVEY, DEPTH (m), DEVIATION (g), DIRECTION

CREW table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

BIT RECORD table for the second tour, including columns for BIT NO., MUD TYPE, SIZE, IADC CODE, MFG, TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED table for the second tour, including columns for FROM, TO, R, S, W, L, FROM, TO, Trip Time, Code, Circulation Pressure (KPa), PUMP NO. 1, PUMP NO. 2, DEVIATION SURVEY, DEPTH (m), DEVIATION (g), DIRECTION

CREW table for the second tour, including columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

FIRST TOUR SECOND TOUR

NOTES: Check brakes & linkage, Stabbing valve & X/O. Check B.O.P.'s & manifold valves. Function crown saver G.D.

NOTES: Check Brakes & linkage, Top & Manifold Valves, Visual Of Flare & Degasser Lines, Stabbing Valve, Function Crown Saver G.C. Note: Hole Opener is 13.34m Above BIT Depth.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, OPERATOR INTRAGAZ, SURFACE LOCATION Saint Flavian, SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE, CONTRACTOR Nabors Drilling Limited, SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

- DAILY CHECKS: (1) Daily Walk Around Inspection, (2) Detailed Inspection Weekly (using checklists), (3) H2S Signs: Periodic of required, (4) Well Control & BOP Diagram Posted, (5) Emission Line Tested, (6) BOP Data Performance, (7) Visually Inspect (CIP's) Funnels & Degasser Lines, (8) C.A.O.D.C. Rig Safety Inspection Checklist (weekly/monthly), (9) Mast Inspection Before Raising or Lowering, (10) Crown Saver Checked, (11) Bleed Valve Checked

Weather table with columns: DATE 16-Sep-2003, LAST CASING TUBIN @ 9ETD, FUEL @ 8:00, RIG 78 BOILER, TEMPERATURE 127.00, DENSITY 127.00, WIND DIRECTION 171.00, ROAD 228.00, O.D. (mm) 339.7, 3315.3, 101.20, MAKE Loadstar, GRADE K55, NO. OF JOINTS 22, TORQUE (kg) 309.92, NO. TO CDS HEAD (m) 7.48, SET AT (m) 309.00

Drilling assembly table with columns: COIL NO., OPER., NO. OF JOINTS, DRILL PICTURE, BIT NO., NO. OF SERVICE, REPAIR, CUT OFF TIME, DRILL SPEED, WIRE LINE, RUN IN, WIRE ON, TEST, DRILL TEST, PLUS MARK, SOLUBLE, FISHING, DR. WORK, SAFETY TAG

Meters Drilled table with columns: FROM, TO, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Shale Shaker(s) and Rentals/Services table with columns: NO. 2, TYPE, SCREENS CHANGED, YES, NO, TOP, MIDDLE, BOTTOM

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No. SF-18, DATE 16-Sep-2003, OPERATOR INTRAGAZ, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 189.00

BIT RECORD and MUD RECORD table with columns: NO., BIT NO., SIZE, MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED and TIME LOG table with columns: FROM, TO, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table with columns: CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

BIT RECORD and MUD RECORD table (Second Tour) with columns: NO., BIT NO., SIZE, MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED and TIME LOG table (Second Tour) with columns: FROM, TO, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table (Second Tour) with columns: CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

FIRST TOUR

SECOND TOUR

NOTES

Check brakes & linkage, stabbing valve (open) & X/O. Function crown saver. Check B.O.P.'s & manifold valves. G.D. Note: Hole opener is 15.34m back from bit depth.

NOTES

Check Brakes & Linkages Stabbing Valve, BOP & Manifold Valves Visual Of Flare & Degasser Lines, Function Crown Saver G.C. Hole Fill Act 9.97 - calc 8.38 Diff 1.39



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|--------------------------------|--|---|--|---|--|---|--|---|--|-----------------------------|--|------------------|--|-----------------------|--|--------------------|--|--|--|--------------------|--|--------------------|--|-------------------|--|------------------------------------|--|--------------|--|--------------------------------------|--|------------|--|---|--|-------------------------|--|----|--|--------------------------|--|-------------------------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 18-Sep-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | I.D. (mm) | | GRADE | | NO. OF JOINTS | | TOTAL (m) LENGTH | | KB TO CAS HEAD (m) | | SET AT (m) | | | | | | | | | | | | | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | (1) Daily Well Annul Inspection (2) Detailed Inspection Weekly (during checks) (3) Hole Spill Protocol (if required) (4) Well Leaks & Seal Capstan Pressure (5) Flare Line Stated (6) BOP Check Performed (7) Visually Inspect BOP's, Flarelines & Degasser Lines (8) Rig Site Health and Safety Meeting (once/week) (9) ICA D.D. Rig Safety Inspection Checklist (once/monthly) (10) Mast Inspection Before Hoisting or Lowering (11) Crown Block Checked (12) Motor Risk Checked | | RIG NO. 9ETD | | FUEL @ 8:00 | | 339.7 | | 3315.3 | | 101.20 | | Loadstar | | K55 | | 22 | | 309.92 | | 7.48 | | 309.00 | | | | | | | | | | | | | | | |
| OPERATOR INTRAGAZ | | SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | CURRANT CONDITION | | WIND DIRECTION | | LOAD | | DOOP SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIN. ID (mm) | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | RIG ID (m) | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SHALE SHAKER(S) | | RENTALS/SERVICES | | WELL NAME & No. SF-18 | | RE-ENTRY | | YES <input type="checkbox"/> NO <input type="checkbox"/> | | KB TO GROUND ELEV. | | DATE 18-Sep-2003 | | OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | PROVINCE Quebec | | CAMP | | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | | RIG SAFETY DAYS: 191.00 | | | | | | | |
| TIME - HRS | | 11.75 | | 0.25 | | 0.25 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | 0.50 | | 0.25 | | | | | | | | | |
| NO. 1 | | 222 | | 0.25 | | 8 | | 02:00 | | 05:30 | | 10:00 | | 1202.00 | | 1240.00 | | R | | 110 | | 5 | | 0:00 | | 9:30 | | 9:50 | | 3 | | Open hole to 311mm F/1202m - 1231m | | Driller | | Garry Dale | | 8.00 | | GD | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 2 | | 170 | | 0.87 | | 222 | | 14:00 | | 1070 | | 43 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 12:00 | | 12:30 | | 0.50 | | 3 | | Open hole to 311mm F/1240m-1242m | | Driller | | Gordon Cyr | | 4.00 | | GC | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 3 | | 161 | | 0.44 | | 5 3 7 | | 1070 | | 43 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Circ/ & pump out flare pit | | Derrickman | | Donald Bergeron | | 4.00 | | DB | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 4 | | 127 | | 9.60 | | MFG. | | 49 | | 44 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1242m-1251m | | Motorman | | Steve St onge | | 4.00 | | SS | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 5 | | 171 | | 1.16 | | GT-S30 | | 11.5 | | 11.5 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 22 | | Work tight hole F/1251m-1254m | | Floorman | | Sebastien Cote | | 4.00 | | SC | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 6 | | 164 | | 0.60 | | 6017339 | | 11.5 | | 11.5 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Circ/ & pump out flare pit | | Floorman | | Rejean Larochelle | | 4.00 | | RL | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 7 | | 204 | | 1.37 | | 15.9 15.9 15.9 | | 45.7 | | 65.8 | | 75 | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1251m-1253m | | Driller | | Barry Fraser | | 12.00 | | JG | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 8 | | 227 | | 0.76 | | 1114.00 | | Centrifuge #1 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Derrickman | | Phil Fraser | | 12.00 | | PF | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 9 | | 226 | | 2.98 | | 1114.00 | | Centrifuge #1 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Derrickman | | Phil Fraser | | 12.00 | | PF | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 10 | | 229 | | 1.32 | | 125.00 | | Defoamer | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Motorman | | Michel Nault | | 12.00 | | MN | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 11 | | 214 | | 0.95 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Floorman | | Gabriel Cote | | 12.00 | | GC | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 12 | | 159 | | 0.92 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Floorman | | Vaugh Prychak | | 12.00 | | VP | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 13 | | 164 | | 35.08 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | Leaseman | | Junior Grimard | | 12.00 | | JG | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| NO. 14 | | 165 | | 6.41 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 15 | | 157 | | 3.29 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 16 | | 166 | | 0.73 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 17 | | 127 | | 495.28 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 18 | | 174 | | 0.78 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 19 | | 23 | | 652.68 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 20 | | 2 | | 18.93 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 21 | | 5.80 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 22 | | 33.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 23 | | 72.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 24 | | 174 | | 0.78 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 25 | | 23 | | 652.68 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 26 | | 2 | | 18.93 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 27 | | 5.80 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 28 | | 33.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 29 | | 72.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 30 | | 174 | | 0.78 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 31 | | 23 | | 652.68 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 32 | | 2 | | 18.93 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 33 | | 5.80 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 34 | | 33.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 35 | | 72.00 | | 42.00 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 36 | | 174 | | 0.78 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 37 | | 23 | | 652.68 | | 42.00 | | cent#2 | | 3 Fails | | 1240.00 | | 1267.00 | | R | | 110 | | 6 | | 6 | | 12:00 | | 13:00 | | 0.50 | | 3 | | Open hole to 311mm F/1253m- T/ 1259m | | | | | | | | | | | | | |
| NO. 38 | | 2 | | 18.93 | | 42.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

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|--|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|-------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 19-Sep-2003 | | LAST CASING TURNING OR LINER | | O.D. (mm) 339.7 | | MINOR (mm) 3315.3 | | M.M. (mm) 101.20 | | MAKE Loadstar | | GRADE K55 | | NO. OF JOBS 22 | | TOTAL (m) LENGTH 309.92 | | H.R. TO CAS HEAD (m) 7.48 | | SET AT (m) 309.00 | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | OPERATOR INTRAGAZ | | RIG NO. 9ETD | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | WEATHER | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | STROKE (LTA) (mm) 203 | | | |
| OPERATOR INTRAGAZ | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | UNIQUE ID: | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | WEATHER | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | STROKE (LTA) (mm) 203 | | | |
| SURFACE LOCATION Saint Flavian | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | UNIQUE ID: | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | WEATHER | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | STROKE (LTA) (mm) 203 | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | UNIQUE ID: | | UNIQUE ID: | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | WEATHER | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | STROKE (LTA) (mm) 203 | | | |
| CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | CODE NO. | | | |
| TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | TIME - HRS | | | |
| TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | TOTAL | | | |
| DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | DRILLING ASSEMBLY | | | |
| BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | BIT RECORD | | | |
| MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | MUD RECORD | | | |
| METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | METERS DRILLED | | | |
| TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | TIME LOG | | | |
| DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | |
| FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | FIRST TOUR | | | |
| CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | CREW | | | |
| SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | SOC. INS. NO. | | | |
| NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | NAME | | | |
| HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | HRS | | | |
| YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | YES | | | |
| NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | NO | | | |
| INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | INJURIES | | | |
| Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | Gordon Cyr | | | |
| 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | 110.00 | | | |
| BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | | |
| 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | | |
| DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | | |
| CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | | |
| DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | | |
| 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | | |
| BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | | |
| 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | | |
| DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | | |
| CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | | |
| DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | | |
| 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | | |
| BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | | |
| 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | | |
| DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | | |
| CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | | |
| DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | | |
| 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | | |
| BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | BOP Drill | | | |
| 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | 4604 | | | |
| DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | DRIVER A | | | |
| CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | CREW SAFETY DAYS | | | |
| DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | DRIVER B | | | |
| 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | |
| 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | 95.00 | | | |

FIRST TOUR

SECOND TOUR

NOTES
Check Brakes & Linkage, BOP & Manifold Valves, Visual Of Flame & Degasser Lines, Check Crown Saver G.C. Hole Opener is 13.2m Above Bit/Pump Rate 1.5m3/min Fluid & 30m3/min Air. Note: ALL Depths in Tour Book Are Hole Opener Depths. Pumping fluid only @ 2.5m3/min. P9-45Am

NOTES
Check BOP & manifold/stabbing valve & s/c, brakes & linkages, check & func crown saver, BD, Pumping fluid only @ 2.5m3/min. Note: All depths in tour book are hole opener depths.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO, AFE, DAILY CHECKS, DATE, LAST CASING, G.D. (mm), RIG NO, FUEL @ 8:00, OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE

Table with columns for CODE, TIME - HRS, OPER, DAY, EYE, TOTAL, and various drilling parameters like TRIP, NO. STROKES, etc.

BIT RECORD and MUD RECORD tables for the first tour, including columns for BIT NO., SIZE, MUD TYPE, DEPTH IN (m), and MUD MATERIAL ADDED.

METERS DRILLED and TIME LOG tables for the first tour, including columns for FROM, TO, LMP TIME, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, CAMP, RIG SAFETY DAYS

BIT RECORD and MUD RECORD tables for the second tour, including columns for BIT NO., SIZE, MUD TYPE, DEPTH IN (m), and MUD MATERIAL ADDED.

METERS DRILLED and TIME LOG tables for the second tour, including columns for FROM, TO, LMP TIME, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

Table for the first tour crew, including columns for CREW, SOC. INS. NO., NAME, HRS, and INJURIES.

Table for the second tour crew, including columns for CREW, SOC. INS. NO., NAME, HRS, and INJURIES.

FIRST TOUR

SECOND TOUR

NOTES: Check BOP's & manifold, stabbing valve & x/o, brakes & linkages, check & func crown saver, greased & inspected crown & blocks & top-drive.BD.

NOTES: Hole fill Cal=7.32 Act=0.98 Diff=1.76



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE
 LICENCE NO.: WELL NAME AND NO. SF-18
 OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited
 SURFACE LOCATION Saint Flavian UNIQUE ID:
 SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

- DAILY CHECKS
 (1) Daily Well Around Inspection
 (2) Detailed Inspection/Washdown (being checked)
 (3) H2S Signs Posted (if required)
 (4) Well Control & Leak Detection Practice
 (5) Flow Line Safety
 (6) BOP Daily Performance
 (7) Visually Inspect BOP/A Flange/A & Enginner Lines
 (8) Rig Site Health and Safety Meeting (before starting work)
 (9) C.A.O.D.C. Rig Safety Inspection Checklist (being completed)
 (10) Well Inspection Before Raising or Lowering
 (11) Crown Block Checked
 (12) Motor Oil Checked

| | | | |
|-------------------|----------------|-----------------------------|----------------|
| DATE | 21-Sep-2003 | LAST CASING TUBING OR LINER | |
| RIG NO. | 9ETD | O.D. (mm) | 339.7 |
| FUEL @ 8:00 | | MIN ID (mm) | 3315.3 |
| RIG | 218 BOLLER | WT (kg) | 101.20 |
| TEMPERATURE | DOOP SIZE (mm) | GRADE | Loadstar |
| CURRENT CONDITION | 127.00 | MIN ID (mm) | 85.00 |
| WIND DIRECTION | 171.00 | TOOL JT O.D. (mm) | 156.00 |
| ROAD | 228.00 | THREAD TYPE | 41/2if |
| | | NO. OF JOINTS | 3 |
| | | PUMP TYPE | PZ8 |
| | | PUMP MANUFACTURER | Gardner Denver |
| | | STROKE (Ltr./min) | 203 |

WELL TYPE: RE-ENTRY YES NO KB TO GROUND ELEV. DATE: 21-Sep-2003
 WELL NAME & No. SF-18 OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited
 RIG MANAGER Don Johnson RIG NO. 9ETD
 PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 194.00

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| NO. | TYPE | STATUS | NEW |
|-----|-------------------|--------|-----|
| 1 | SCREENS (CHANGED) | YES | NO |
| 2 | TOP | 175 | 175 |
| 3 | MIDDLE | 140 | 140 |
| 4 | BOTTOM | | |

| BIT NO. | 10 RR | 222 | 0.25 | BIT NO. | 10 RR | MUD TYPE | WATER BASED | OL BASED |
|---------|--------------------|------|--------------|--------------------|----------------|--------------------|-------------|----------|
| 1 | Bit Sub | 170 | 1.22 | SIZE | 222 | TIME | | |
| 1 | 3 pt Reamer | 171 | 1.41 | ADC CODE | 5 3 7 | ADDCITY | | |
| 1 | Double No. 50 | 164 | 0.37 | MFG. | HC | REASON FOR STOP | | |
| 1 | 12.54 Hole Driller | 202 | 0.63 | TYPE | GT-S30 | W.L. (mm) | | |
| 1 | Bit sub | 230 | 0.76 | SERIAL NO. | 6017339 | PH | | |
| 1 | 3 Pt Reamer | 226 | 1.32 | JETS | 15.9 15.9 15.9 | | | |
| 1 | 12.54 Hole Driller | 222 | 1.80 | DEPTH OUT (m) | | MUD MATERIAL ADDED | | |
| 1 | 226 | 2.98 | DEPTH IN (m) | 1311.00 | PRODUCT | AMOUNT x UNIT | | |
| 1 | 12" NM Stab | 229 | 1.32 | TOTAL METERS | | SOLIDS CONTROL | | |
| 1 | Bell X/O | 214 | 0.95 | TOTAL HOURS RUN | | Centrifuge #1 | | |
| 1 | X/O | 164 | 0.92 | CUTTING STRUCTURE | | cent#2 | | |
| 4 | 1st No. 50 | 164 | 35.08 | DEPTH (m) | | DEPTH (m) | | |
| 1 | Jars | 165 | 6.41 | HOLE CONDITION | | 0.00 | | |
| 1 | NM Flex Pony | 167 | 3.29 | HOLE DRAG | | | | |
| 1 | NM X/O | 166 | 0.73 | TORQUE AT BOTTOM | | | | |
| 53 | HWDP | 168 | 495.28 | FILL ON BOTTOM (m) | | | | |

| FROM | TO | EXP. TIME | CODE | REMARKS |
|-------|-------|-----------|------|---|
| 0:00 | 4:15 | 4:25 | 19 | Trip Out W Fish Flow Checks @ 1071m,647m |
| 4:15 | 7:00 | 2:75 | 19 | Break Down Fish |
| 7:00 | 7:15 | 0:25 | 21 | Safety Meeting/prior to picking up hole opener assembly |
| 7:15 | 11:45 | 4:50 | 6 | Pick up & make up hole opener assembly, weld straps to connections on assembly below concentric reamer. |
| 11:45 | 12:00 | 0:25 | 7 | Rig Service/Func top & btm pipe rams 6 secs ea.Func HCR 4 secs,func chimo choke |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|---------------|---------------|-------------------|-------|----------|
| Driller | | Gordon Cyr | 12.00 | GC |
| Derrickman | | Donald Bergeron | 12.00 | DB |
| Motorman | | Steve St onge | 12.00 | SS |
| Floorman | | Sebastien Cote | 12.00 | SC |
| Floorman | | Rejean Larochelle | 12.00 | RL |
| Rig Manager 3 | | Joe Golden | 12.00 | JG |
| Derrickman | | Jeff Bergeron | 12.00 | JB |

| BIT NO. | 10 RR | 222 | 0.25 | BIT NO. | 10 RR | MUD TYPE | WATER BASED | OL BASED |
|---------|--------------------|------|--------------|--------------------|----------------|--------------------|-------------|----------|
| 1 | Bit Sub | 170 | 1.22 | SIZE | 222 | TIME | | |
| 1 | 3 pt Reamer | 171 | 1.41 | ADC CODE | 5 3 7 | ADDCITY | | |
| 1 | Double No. 50 | 164 | 0.37 | MFG. | HC | REASON FOR STOP | | |
| 1 | 12.54 Hole Driller | 202 | 0.63 | TYPE | GT-S30 | W.L. (mm) | | |
| 1 | Bit sub | 230 | 0.76 | SERIAL NO. | 6017339 | PH | | |
| 1 | 3 Pt Reamer | 226 | 1.32 | JETS | 15.9 15.9 15.9 | | | |
| 1 | 12.54 Hole Driller | 222 | 1.80 | DEPTH OUT (m) | | MUD MATERIAL ADDED | | |
| 1 | 226 | 2.98 | DEPTH IN (m) | 1311.00 | PRODUCT | AMOUNT x UNIT | | |
| 1 | 12" NM Stab | 229 | 1.32 | TOTAL METERS | | SOLIDS CONTROL | | |
| 1 | Bell X/O | 214 | 0.95 | TOTAL HOURS RUN | | CausticSoda | 2 bag | |
| 1 | X/O | 164 | 0.92 | CUTTING STRUCTURE | | Lime | 4 bag | |
| 4 | 1st No. 50 | 164 | 35.08 | DEPTH (m) | | xarvis | 2 bag | |
| 1 | Jars | 165 | 6.41 | HOLE CONDITION | | Defoamer | 1 pail | |
| 1 | NM Flex Pony | 167 | 3.29 | HOLE DRAG | | chem barrel | 6 | |
| 1 | NM X/O | 166 | 0.73 | TORQUE AT BOTTOM | | | | |
| 53 | HWDP | 168 | 495.28 | FILL ON BOTTOM (m) | | | | |

| FROM | TO | EXP. TIME | CODE | REMARKS |
|-------|-------|-----------|------|--|
| 12:00 | 17:45 | 5:75 | 6 | Cont. welding straps on BHA & making up BHA/RIH with hwp fill@554m RIH to 644m tight |
| 17:45 | 23:45 | 6:00 | 3 | Install williams head wash in F/644m T/1179m |
| 23:45 | 24:00 | 0:25 | 7 | Rig Service Function Annular C/O 19 secs |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|------------|---------------|------------------|-------|----------|
| Driller | | Barry Detbrenner | 12.00 | BD |
| Derrickman | | Phil Fraser | 12.00 | PF |
| Motorman | | Michel Nault | 12.00 | MN |
| Floorman | | Gabriel Cote | 12.00 | GC |
| Floorman | | Vaugh Prychak | 12.00 | VP |
| Leaseman | | Junior Grimard | 12.00 | JG |



Based on the CAODC ETS file standard

| | | | |
|---|-------------------------|---|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR INTRAGAZ | | UNIQUE ID: | |
| SURFACE LOCATION Saint Flavian | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |

| | | | | | | | | | | | |
|---|------------------|-----------------------------|-----------------|-------------------|-------------|---------------|-----------|-------------------|------------------|-------------------------|-------------------|
| DAILY CHECKS | DATE 24-Sep-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | MM ID (mm) 3315.3 | W.P. 101.20 | MAKE Loadstar | GRADE K55 | W.P. OF JOISTS 22 | TOTAL (m) 309.92 | KB TO CSG HEAD (m) 7.48 | SET AT (m) 309.00 |
| (1) Daily Walk Around Inspection | FUEL @ 8:00 | | | | | | | | | | |
| (2) Detailed Inspection Weekly (using checklists) | ROLER 0 | | | | | | | | | | |
| (3) 100% Sign. Inspect (if required) | | | | | | | | | | | |
| (4) Well Control & Risk Diagram Posted | | | | | | | | | | | |
| (5) Flare Line Staked | | | | | | | | | | | |
| (6) BOP DRB Performance | | | | | | | | | | | |
| (7) Visually Inspect BOP's Flarelines & Degasser Lines | | | | | | | | | | | |
| (8) Rig Site Health and Safety Meeting (once/week/monthly) | | | | | | | | | | | |
| (9) C.A.O.D.C. Rig Safety Inspection Checklist (once/monthly) | | | | | | | | | | | |
| (10) Next Inspection Before Hoisting or Lowering | | | | | | | | | | | |
| (11) Down Saver Checked | | | | | | | | | | | |

| TIME - HRS | CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 |
|------------|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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|------------|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|--|----------------|--|-----------------------------|--------------------|-------------------------|--------------------|------------------|--------------------------|-------------------|------------------------|-----------------------|-------------------|----|----|----|----|----|----|----|----|----|----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS (1) Day Work Area Inspection (2) Driller Inspection (using checklists) (3) Kick Start Protocol (if required) (4) Well Control & Slack Dragen Protocol (5) Flow Line Staked (6) BOP Dials Polished (7) Visually Inspect BOP's Flanges & Gaskets Lines (8) Rig Site Health and Safety Meeting (on-site/remote) (9) CAODC Rig Safety Inspection Checklist (on-site/remote) (10) Read Inspection Before Raising or Lowering (11) Down Side Checked (12) Read Side Checked | | | | | | | | | | | | | | | | | | | | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: | DATE 26-Sep-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | W.C.D. 3315.3 | GRADE 101.20 | MAKE Loadstar | GRADE K55 | NO OF JOINTS 22 | TOTAL HW LENGTH 309.92 | RE-ENTRY HEAD IN 7.48 | SET AT (m) 309.00 | | | | | | | | | | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | TEMPERATURE | DCRP SIZE (mm) | LINEAR MASS (kg/m) | GRADE E | W.C.D. (mm) 85.00 | FOUL T.O.D. (mm) 156.00 | THREAD TYPE 41/2if | NO OF JOINTS PZ8 | PUMP TYPE Gardner Denver | BITERES (L/S) 203 | | | | | | | | | | | | | |
| SURFACE LOCATION Saint Flavien | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | TEMPERATURE | LINEAR MASS (kg/m) | GRADE DC | W.C.D. (mm) 171.00 | FOUL T.O.D. (mm) 174.00 | THREAD TYPE 5H90 | NO OF JOINTS 33 | PUMP TYPE Gardner Denver | BITERES (L/S) 203 | | | | | | | | | | | | | |
| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

| | | |
|------------------------|--|-------------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE 26-Sep-2003 | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 199.00 |

| TIME - HRS | NO. | OPERATOR | REASON | START | END | REMARKS |
|------------|-----|-------------|-------------|-------|-------|---------|
| | 1 | 13 RR | 13 RR | 10:05 | 10:25 | |
| | 1 | 3 pt Reamer | 3 pt Reamer | 9:50 | 2:25 | |
| | 1 | 12 RR | 12 RR | 10:05 | 10:25 | |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | |
|------------|-----------|--------------|---------------|----------------|-----------|-----------|-----------|
| NO. | DEPTH (m) | DEPTH IN (m) | DEPTH OUT (m) | DEPTH (m) | DEPTH (m) | DEPTH (m) | DEPTH (m) |
| 1 | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR |
| 1 | 164 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 1 | 171 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| 1 | 202 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 1 | 230 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| 1 | 226 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 1 | 222 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| 1 | 226 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| 1 | 229 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 1 | 214 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 1 | 160 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| 2 | 164 | 17.39 | 17.39 | 17.39 | 17.39 | 17.39 | 17.39 |
| 1 | 165 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 |
| 1 | 167 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 |
| 2 | 164 | 17.69 | 17.69 | 17.69 | 17.69 | 17.69 | 17.69 |
| 1 | 164 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 51 | 168 | 475.96 | 475.96 | 475.96 | 475.96 | 475.96 | 475.96 |
| TOTAL | | 535.40 | 535.40 | 535.40 | 535.40 | 535.40 | 535.40 |

| CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
|----------------------------|-------|--------------------|-----|--------------------|-----|
| 9800 | 152 | 110 | 152 | 110 | 110 |
| REDUCED PUMP SPEED | | REDUCED PUMP SPEED | | REDUCED PUMP SPEED | |
| 6:45 | 7:00 | 0.25 | 22 | | |
| DEVIATION SURVEY | | DEVIATION SURVEY | | DEVIATION SURVEY | |
| 9:15 | 12:00 | 2.75 | 6 | | |

| FIRST TOUR 0:00 TO 12:00 | | INJURIES | |
|--------------------------|---------------|------------------|-------|
| CREW | SOC. INS. NO. | NAME | HRS |
| Driller | | Barry Detbrenner | 12.00 |
| Derrickman | | Phil Fraser | 12.00 |
| Motorman | | Michel Nault | 12.00 |
| Floorman | | Gabriel Cote | 12.00 |
| Floorman | | Vaugh Prychak | 12.00 |
| Rig Manager 2 | | Dan Pelletier | 12.00 |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | |
|------------|-----------|--------------|---------------|----------------|-----------|-----------|-----------|
| NO. | DEPTH (m) | DEPTH IN (m) | DEPTH OUT (m) | DEPTH (m) | DEPTH (m) | DEPTH (m) | DEPTH (m) |
| 1 | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR | 13 RR |
| 1 | 164 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| 1 | 171 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| 1 | 202 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 1 | 230 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| 1 | 226 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 1 | 222 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| 1 | 226 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| 1 | 229 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| 1 | 214 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 1 | 160 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| 2 | 164 | 17.39 | 17.39 | 17.39 | 17.39 | 17.39 | 17.39 |
| 1 | 165 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 |
| 1 | 167 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 |
| 2 | 164 | 17.69 | 17.69 | 17.69 | 17.69 | 17.69 | 17.69 |
| 1 | 164 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 51 | 168 | 475.96 | 475.96 | 475.96 | 475.96 | 475.96 | 475.96 |
| TOTAL | | 1588.00 | 1588.00 | 1588.00 | 1588.00 | 1588.00 | 1588.00 |

| CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
|----------------------------|-------|--------------------|-----|--------------------|-----|
| 10000 | 152 | 117 | 152 | 118 | 118 |
| REDUCED PUMP SPEED | | REDUCED PUMP SPEED | | REDUCED PUMP SPEED | |
| 22:45 | 0:00 | 1.25 | 3 | | |
| DEVIATION SURVEY | | DEVIATION SURVEY | | DEVIATION SURVEY | |
| 0:00 | 13:00 | 1.00 | 3 | | |

| SECOND TOUR 12:00 TO 24:00 | | INJURIES | |
|----------------------------|---------------|-----------------|-------|
| CREW | SOC. INS. NO. | NAME | HRS |
| Driller | | Garry Dale | 12.00 |
| Derrickman | | Jeff Bergeron | 12.00 |
| Motorman | | Pat St onge | 12.00 |
| Floorman | | Robin Pelletier | 12.00 |
| Floorman | | Pete St onge | 12.00 |
| Leaseman | | Junior Grimard | 12.00 |

| | | | | |
|-------------------|---------------|--------------------|--------------|----------|
| DRILLER SIGNATURE | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| Barry Detbrenner | 86.00 | Pipe spinner | 4558 | |
| DRILLER SIGNATURE | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| Garry Dale | 130.00 | Cleaning mud tanks | 4553 | |



Based on the CAODC ETS file standard

| | | | |
|---|--------------------------------|--|-----|
| SPUD | RIG RELEASE | JOB NO. 2894C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR INTRAGAZ | SURFACE LOCATION Saint Flavian | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |

| | | | | | | | | | | | | | | |
|--|-------------------------------------|-------------------------------------|------------------|-----------------------------|-----------------------|--------------------------|------------|-------------------|--------------------------|--------------------|-------------------|--------------------------|------------------|-------------------|
| DAILY CHECKS | OPR | R.M. | DATE 28-Sep-2003 | LAST CASING TUBING OR LINER | G.D. (mm) 339.7 | W.H.D. 3315.3 | kgm 101.20 | GRADE Loadstar | GRADE K55 | NO. OF JOINTS 22 | TOTAL (m) 309.92 | KB TO GSG (HEAD IN) | 7.48 | SET AT (m) 309.00 |
| (1) Daily Walk Around Inspection | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | FUEL @ 8:00 | TEMPERATURE | DCUP SIZE (mm) 127.00 | LINEAR MASS (kg/m) 29.00 | GRADE E | MIN ID (mm) 85.00 | TOOL JT O.D. (mm) 156.00 | THREAD TYPE 41/2if | NO. OF JOINTS PZ8 | PUMP TYPE Gardner Denver | STROKE (Ltr) 203 | |
| (2) Driller Inspection Weekly (using check list) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | NO. 220 | CURRENT CONDITION | 171.00 | 174.00 | DC | 74.00 | 172.00 | SH90 | 33 | PZ8 | Gardner Denver | 203 |
| (3) H2S Signs Posted if required | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | WIND DIRECTION | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |
| (4) Well License & Block Diagram Posted | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | ROAD | | | | | | | | | | |
| (5) Plan Line Staked | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (6) BOP Data Performed | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (7) Weekly Inspect BOP's Flareline & Decelerator Lines | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (8) Rig Site Health and Safety Meeting (operator/workers) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (9) O.A.D. (3rd) Hg Safety Inspection Checklist (operator/manager) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (10) Meet Inspection Before Raising or Lowering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (11) Crown Saver Checked | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| (12) Well Logs Checked | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | |

| TIME - HRS | DATE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | 28-SEP-03 | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | | | | | | | | | | | | | | |
| WELL | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | | | | | |
|------------|--------------------|------------|--------|--------------------|---------------|-------------|-------------------------------------|--------------------------|-------|-------|------|------|
| NO. | BIT | D.O. (mm) | LENGTH | BIT NO. | 15 RR | MUD TYPE | WATER BASED | OIL BASED | FROM | TO | LOG | TIME |
| 1 | Bit #15 RR | 222 | 0.15 | 15 RR | | WATER BASED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 0:00 | 3:45 | 3.75 | 6 |
| 1 | BIT SUB | 164 | 0.92 | 222 | | | | | 3:45 | 8:45 | 5.00 | 6 |
| 1 | Double Flex X/O | 164 | 0.28 | IADC CODE | | | | | 8:45 | 9:30 | 0.75 | 6 |
| 1 | 12 NM Hole Cleaner | 202 | 1.35 | MFG. | REED | | | | 9:30 | 10:15 | 0.75 | 9 |
| 1 | Bit sub | 230 | 0.76 | TYPE | TD51AM | | | | 10:15 | 10:30 | 0.25 | 7 |
| 1 | 12 NM Stab | 222 | 1.60 | SERIAL NO. | 115004 | | | | 10:30 | 12:00 | 1.50 | 6 |
| 1 | 12 NM Hole Cleaner | 226 | 2.98 | JETS | 7.9 13.2 14.3 | | | | | | | |
| 1 | 12 NM Stab | 229 | 1.32 | DEPTH OUT (m) | | | | | | | | |
| 1 | Bell X/O | 214 | 0.95 | DEPTH IN (m) | 1600.00 | | | | | | | |
| 1 | X/O | 160 | 0.92 | TOTAL METERS | | | | | | | | |
| 2 | 12 NM Stab | 164 | 17.39 | TOTAL HOURS RUN | 0.00 | | | | | | | |
| 1 | Jars | 165 | 6.41 | CUTTING STRUCTURE | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | HOLE CONDITION | 0.00 | | | | | | | |
| 2 | 12 NM Stab | 164 | 17.69 | HOLE DRAG | | | | | | | | |
| 1 | X/O | 164 | 0.73 | TORQUE AT BOTTOM | | | | | | | | |
| 51 | HWDP | 168 | 475.96 | FILL ON BOTTOM (m) | | | | | | | | |
| TOTAL | | | 532.70 | | | | | | | | | |

| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|----------------|-------|----------|------|---|----------|
| FROM | TO | LOG | TIME | REMARKS | INJURIES |
| 0:00 | 3:45 | 3.75 | 6 | POOH wet with flow checks @ 908, hwp, 0, func blinds out of hole, lay out 311mm bit & gauge bit & reamers | |
| 3:45 | 8:45 | 5.00 | 6 | Pick up hole opener assembly & weld straps on stinger assembly below hole opener | |
| 8:45 | 9:30 | 0.75 | 6 | R.I.H with hole opener assembly # 5 to 300m. | |
| 9:30 | 10:15 | 0.75 | 9 | Slip & cut 13.9m. | |
| 10:15 | 10:30 | 0.25 | 7 | Rig Service. Function annular 23sec. Hcr 3sec. | |
| 10:30 | 12:00 | 1.50 | 6 | R.I.H F/300m - 660m. Bridges @ 439m & 616m. | |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | | | | | |
|------------|--------------------|------------|---------|--------------------|--------------------|-------------|-------------------------------------|--------------------------|-------|-------|------|------|
| NO. | BIT | D.O. (mm) | LENGTH | BIT NO. | 15 RR | MUD TYPE | WATER BASED | OIL BASED | FROM | TO | LOG | TIME |
| 1 | Bit #15 RR | 222 | 0.15 | 15 RR | | WATER BASED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12:00 | 14:15 | 2.25 | 6 |
| 1 | BIT SUB | 164 | 0.92 | 222 | | | | | 14:15 | 15:45 | 1.50 | 6 |
| 1 | Double Flex X/O | 164 | 0.28 | IADC CODE | | | | | 15:45 | 21:15 | 5.50 | 3 |
| 1 | 12 NM Hole Cleaner | 202 | 1.35 | MFG. | REED | | | | 21:15 | 21:30 | 0.25 | 7 |
| 1 | Bit sub | 230 | 0.76 | TYPE | TD51AM | | | | 21:30 | 22:00 | 0.50 | 3 |
| 1 | 12 NM Stab | 222 | 1.60 | SERIAL NO. | 115004 | | | | 22:00 | 23:30 | 1.50 | 5 |
| 1 | 12 NM Hole Cleaner | 226 | 2.98 | JETS | 7.9 13.2 14.3 | | | | 23:30 | 0:00 | 0.50 | 5 |
| 1 | 12 NM Stab | 229 | 1.32 | DEPTH OUT (m) | 1600.00 | | | | | | | |
| 1 | X/O | 160 | 0.92 | TOTAL METERS | 24.00 | | | | | | | |
| 2 | 12 NM Stab | 164 | 17.39 | TOTAL HOURS RUN | 6.00 | | | | | | | |
| 1 | Jars | 165 | 6.41 | CUTTING STRUCTURE | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | HOLE CONDITION | 0.00 | | | | | | | |
| 2 | 12 NM Stab | 164 | 17.69 | HOLE DRAG | 16up/15down static | | | | | | | |
| 1 | X/O | 164 | 0.73 | TORQUE AT BOTTOM | 9000ft/lbs | | | | | | | |
| 51 | HWDP | 168 | 475.96 | FILL ON BOTTOM (m) | | | | | | | | |
| TOTAL | | | 1624.00 | | | | | | | | | |

| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|----------------|-------|----------|------|---|----------|
| FROM | TO | LOG | TIME | REMARKS | INJURIES |
| 12:00 | 14:15 | 2.25 | 6 | Con't R.I.H with hole opener assembly F/660m - 1500m. Work bridge @ 668m. | |
| 14:15 | 15:45 | 1.50 | 6 | Wash in F/1500m - 1600m. | |
| 15:45 | 21:15 | 5.50 | 3 | Open hole to 311mm F/1600m - 1620m | |
| 21:15 | 21:30 | 0.25 | 7 | Rig Service/Func top & btm pipe rams c/o 6 secs ea. | |
| 21:30 | 22:00 | 0.50 | 3 | Open hole to 311mm F/1620m-1624m | |
| 22:00 | 23:30 | 1.50 | 5 | Work tight pipe F/1624m-1620m/break off single & back ream F/1620m-1615m/Jar up @110000dan ,pipe free@1613m | |
| 23:30 | 0:00 | 0.50 | 5 | Wash in F/1613m-1624m | |

| | | | | | | | | | |
|-------------------|------------------|---------------|------------------|-------------------|----------|---------------|----------|------------------|----------|
| DRILLER SIGNATURE | BARRELS PER HOUR | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. | RATE SCHEDULE | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| Barry Detbrenner | 0.00 | 85.00 | 4528 | 4528 | REGULAR | | | | |
| DRILLER SIGNATURE | BARRELS PER HOUR | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. | RATE SCHEDULE | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| Garry Dale | 0.00 | 90.00 | 4574 | Mixing chemicals. | 4574 | REGULAR | | | |



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, DAILY CHECKS, DATE, RIG NO., LAST CASING, O.D. (mm), I.D. (mm), Rg/m, MARK, GRADE, NO. OF JOISTS, TOTAL WGT, RIG TO CAS, SET AT (m)

Table with 24 columns for TIME - HRS (DA, EVE, TOTAL) and 24 columns for SHALE SHAKER(S) (TOP, MIDDLE, BOTTOM) and RENTALS/SERVICES

BIT RECORD and MUD RECORD for the first tour, including bit #15 RR, 12" NM Stab, Bell X/O, Jars, and HWDP.

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour, including jarring up and pull 5 stds flow check.

CREW, SOC. INS. NO., NAME, HRS, YES/NO for the first tour, listing crew members like Barry Detbrenner and Phil Fraser.

BIT RECORD and MUD RECORD for the second tour, including bit #14, bladesstab, x/o, hwdp, and HWDP.

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour, including fill pipe and wash in.

CREW, SOC. INS. NO., NAME, HRS, YES/NO for the second tour, listing crew members like Garry Dale and Jeff Bergeron.



Based on the CAODC ETS file standard

Drilling log form containing sections for: DAILY CHECKS, OPERATOR/CONTRACTOR info, WELL NAME (SF-18), RIG RELEASE, JOB NO. (2694C), AFE, RIG TYPE (9ETD), LAST CASING TUBING (178), DATE (30-Sep-2003), CIRCULATION PRESSURE, PUMP NO. 1 & 2, MUD RECORD (BIT RECORD, MUD MATERIAL ADDED, SOLIDS CONTROL), METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, INJURIES, and RATE SCHEDULE.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, OPERATOR INTRAGAZ, CONTRACTOR Nabors Drilling Limited, SURFACE LOCATION Saint Flavien, SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss, SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

DAILY CHECKS, OPR, R.M., DATE 01-Oct-2003, RIG NO. 9ETD, LAST CASING TUBING OR LINER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, GRADE, NO. OF JOINTS, PUMP TYPE, PUMP MANUFACTURER, STROKES (L/H. (min))

TIME - HRS table with columns for OPER, HOLIDAY, DRILL, RESURF, CEILING, CODE, TIME, RD, REPAIR, CUT OFF, DIV, TIME, WEL, WAIT, REPAIR, TEST, BHA, PUMP, SOLIDS, TUBING, DR, SAFETY

SHALE SHAKER(S), RENTAL/SERVICES, SCREENS CHANGED, YES/NO, TOP, MIDDLE, BOTTOM

WELL TYPE, RE-ENTRY, DATE 01-Oct-2003, OPERATOR INTRAGAZ, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 204.00

BIT RECORD table with columns for BIT, TIME, BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS, TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY, DEPTH (m), DEVIATION (m), DIRECTION, NOTES: Check BOP's & manifold, stabbing valve & x/o, brakes & linkages, check & func crown saver, BD.

FIRST TOUR 0:00 TO 12:00, CREW, SOC. INS. NO., NAME, HRS, INJURIES, Driller Barry Deibrenner, Derrickman Phil Fraser, Motorman Michel Naut, Floorman Gabriel Cote, Floorman Vaughn Prychak, Rig Manager 2 Dan Pelletier

BIT RECORD table with columns for BIT, TIME, BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS, TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY, DEPTH (m), DEVIATION (m), DIRECTION, NOTES: Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s & manifold valves. Function crown saver. GD Hole Bit Cat-9.51 Act-15 DPM-5.49 (Wet trip)

SECOND TOUR 12:00 TO 24:00, CREW, SOC. INS. NO., NAME, HRS, INJURIES, Driller Garry Dale, Derrickman Jeff Bergeron, Motorman Pat St onge, Floorman Robin Pelletier, Floorman Pete St onge, Leaseman Junlor Grimard



Based on the CAODC ETS file standard

SPUD RIG RELEASE JOB NO. 2694C AFE
 LICENCE NO. WELL NAME AND NO. SF-18
 OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited
 SURFACE LOCATION Saint Flavien UNIQUE ID:
 SIGNATURE OF OPERATORS REPRESENTATIVE Don Bliss SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

DAILY CHECKS
 (1) Daily Risk Assess (Mandatory)
 (2) Defect Inspection Weekly (Using Checklists)
 (3) HOS Sign (Provided if required)
 (4) Well Log Review & Sign (Logbook Provided)
 (5) Flow Line Standard
 (6) BOP Tests (As Required)
 (7) Visually Inspect BOP's, Flangeless & Logbook Lines
 (8) Rig Site Health and Safety Meeting (Mandatory)
 (9) C.A.C. & Q.C. Rig Safety Inspection Checklist (Mandatory)
 (10) Well Inspection Before Raising or Lowering
 (11) Crown Block Checked
 (12) Motor Risk Checked

DATE: 02-Oct-2003 LAST CASING TUBING: 339.7 3315.3 101.20 Loadstar K55 22 309.92 7.48 309.00
 RIG NO. 9ETD
 FUEL @ 8:00
 RIG 145 BOILER LINER

TEMPERATURE DOOP SIZE (mm) LINEAR MASS (kg/m) GRADE MWL ID (mm) TOOL JT O.D. (mm) THREAD TYPE NO. OF JOINTS PUMP TYPE PUMP MANUFACTURER STROKE LTR (mm)
 CURRENT CONDITION 127.00 29.00 E 85.00 156.00 41/2if PZ8 Gardner Denver 203
 WIND DIRECTION 171.00 174.00 DC 74.00 172.00 5H90 33 PZ8 Gardner Denver 203
 ROAD 228.00 236.00 DC 74.00 228.00 7H90 3

TIME - HRS

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | | | | | | | | | | | | | |
| TRIP | | | | | | | | | | | | | | | | | | | | | | | | |
| WIP | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

SHALE SHAKER(S) RENTALS/SERVICES

| NO. | TYPE | SWAGG | NEW |
|-------|------|--------|-----|
| NO. 1 | 84 | TOP | 84 |
| NO. 2 | 84 | MIDDLE | 84 |
| NO. 3 | | BOTTOM | |

WELL TYPE RE-ENTRY YES NO KB TO GROUND ELEV. DATE 02-Oct-2003
 WELL NAME & No. SF-18
 OPERATOR INTRAGAZ CONTRACTOR Nabors Drilling Limited
 RIG MANAGER Don Johnson RIG NO. 9ETD
 PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 205.00

DRILLING ASSEMBLY BIT RECORD MUD RECORD METERS DRILLED TIME LOG

DRILLING ASSEMBLY

| NO. | BIT # | SIZE (mm) | LENGTH | BIT NO. | 16 | MUD TYPE | WATER BASED | OIL BASED |
|--------------------|--------------|-----------|--------|--------------------------|------------|--------------------|-------------------------------------|--------------------------|
| 1 | Bit # 16 | 311 | 0.35 | 16 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1 | Bit sub | 230 | 0.76 | SIZE | 311 | TIME | | |
| 1 | Bell X/O | 214 | 0.95 | IADC CODE | | | | |
| 1 | X/O | 164 | 0.70 | MFG. | Geodiamond | PLANNED W.L. (m) | | |
| 2 | HWDP | 168 | 19.14 | TYPE | S73HPX | W.L. (cm) | | |
| 1 | X/O | 167 | 0.94 | SERIAL NO. | JR9177 | PH | | |
| 1 | Jars | 165 | 6.40 | JETS | Bx 9.5 | | | |
| 1 | X/O | 164 | 0.40 | DEPTH OUT (m) | | MUD MATERIAL ADDED | | SOLIDS CONTROL |
| 50 | HWDP | 168 | 466.59 | DEPTH IN (m) | 1472.00 | PRODUCT | | AMOUNT x UNIT |
| 2 | X/O | 167 | 1.49 | TOTAL METERS DRILLED (m) | | Drispac | 40 | 5x |
| 15 | Drill Collar | 172 | 141.76 | CUTTING STRUCTURE | | Drispac | 2 | 5x |
| 1 | X/O | 167 | 0.73 | | | zanvis | 4 | 5x |
| HOLE CONDITION | | | | | | | | |
| HOLE DRAG | | | | | | | | |
| TORQUE AT BOTTOM | | | | | | | | |
| FILL ON BOTTOM (m) | | | | | | | | |
| HOURS RUN | | | | | | | | |
| DRILLER SIGNATURE | | | | | | | | |
| TOTAL | | | | | | | 1444.06 | |
| WT. OF DC | | | | | | | 45.00 | |
| WT. OF STRING | | | | | | | 80.00 | |

METERS DRILLED TIME LOG

| FROM | TO | NO. OF JOINTS | ROTARY R.P.M. | W. OF CUTTING | FROM | TO | STEP TIME | CODE NO. |
|------|----|---------------|---------------|---------------|-------|-------|-----------|----------|
| | | | | | 0:00 | 4:45 | 4:75 | 6 |
| | | | | | 4:45 | 7:30 | 2:75 | 6 |
| | | | | | 7:30 | 10:15 | 2:75 | 13 |
| | | | | | 10:15 | 11:45 | 1:50 | 5 |
| | | | | | 11:45 | 12:00 | 0:25 | 7 |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

| | | | | |
|-------|-------|------|----|--|
| 0:00 | 4:45 | 4:75 | 6 | Cont. make up BHA/strap Dcs/RIH with DCs |
| 4:45 | 7:30 | 2:75 | 6 | RIH to 1245m |
| 7:30 | 10:15 | 2:75 | 13 | Work Pipe & Circulate @ 1264m & WOC |
| 10:15 | 11:45 | 1:50 | 5 | Wash FR/ 1264m To 1444m |
| 11:45 | 12:00 | 0:25 | 7 | Rig Service Function Annular C/O 19 secs |

CIRCULATION PRESSURE (KPa) PUMP NO. 1 PUMP NO. 2
 LINEAR SIZE (mm) S.P.M. LINEAR SIZE (mm) S.P.M.
 152 152

REDUCED PUMP SPEED

DEVIATION SURVEY

DEPTH (m) DEVIATION (°) DIRECTION

NOTES
 Living Allowance For Gordon Cyr For Travel On Oct/01/03 Checked Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Visual Of Flare & Degasser Lines G.C.

DRILLER SIGNATURE: Barry Detbrenner BOILER #1 & #2 OPERATOR FUEL: MAX EXP HOORLOAD SAFETY TOPIC: Picking up Dcs

CREW SOC. INS. NO. NAME HRS YES NO

| | | | | | | |
|---------------|--|------------------|-------|----|-------------------------------------|-------------------------------------|
| Driller | | Barry Detbrenner | 8.00 | BD | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Phil Fraser | 8.00 | PF | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Michel Nault | 8.00 | MN | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 8.00 | GC | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Vaugh Prychak | 8.00 | VP | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

RATE SCHEDULE REGULAR REPAIR INVERT

DRIVER A CREW SAFETY DAYS DRIVER B

DRILLING ASSEMBLY BIT RECORD MUD RECORD METERS DRILLED TIME LOG

DRILLING ASSEMBLY

| NO. | BIT # | SIZE (mm) | LENGTH | BIT NO. | 16 | MUD TYPE | WATER BASED | OIL BASED |
|--------------------|--------------|-----------|--------|--------------------------|------------|--------------------|-------------------------------------|--------------------------|
| 1 | Bit # 16 | 311 | 0.35 | 16 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1 | Bit sub | 230 | 0.76 | SIZE | 311 | TIME | | |
| 1 | Bell X/O | 214 | 0.95 | IADC CODE | | | | |
| 1 | X/O | 164 | 0.70 | MFG. | Geodiamond | PLANNED W.L. (m) | | |
| 2 | HWDP | 168 | 19.14 | TYPE | S73HPX | W.L. (cm) | | |
| 1 | X/O | 167 | 0.94 | SERIAL NO. | JR9177 | PH | | |
| 1 | Jars | 165 | 6.40 | JETS | Bx 9.5 | | | |
| 1 | X/O | 164 | 0.40 | DEPTH OUT (m) | 1525.00 | MUD MATERIAL ADDED | | SOLIDS CONTROL |
| 50 | HWDP | 168 | 466.59 | DEPTH IN (m) | 1472.00 | PRODUCT | | AMOUNT x UNIT |
| 2 | X/O | 167 | 1.49 | TOTAL METERS DRILLED (m) | 53.00 | Drispac | 1 | bag |
| 15 | Drill Collar | 172 | 141.76 | CUTTING STRUCTURE | 4.75 | sapp | 17 | bag |
| 1 | X/O | 167 | 0.73 | | | sod bicarbonate | 2 | bag |
| HOLE CONDITION | | | | | | | | |
| HOLE DRAG | | | | | | | | |
| TORQUE AT BOTTOM | | | | | | | 3up/3down rotating | |
| FILL ON BOTTOM (m) | | | | | | | 11000ft/lbs | |
| HOURS RUN | | | | | | | | |
| DRILLER SIGNATURE | | | | | | | | |
| TOTAL | | | | | | | 879.46 | |
| WT. OF DC | | | | | | | 45.00 | |
| WT. OF STRING | | | | | | | 80.00 | |

METERS DRILLED TIME LOG

| FROM | TO | NO. OF JOINTS | ROTARY R.P.M. | W. OF CUTTING | FROM | TO | STEP TIME | CODE NO. |
|---------|---------|---------------|---------------|---------------|-------|-------|-----------|----------|
| 1472.00 | 1525.00 | DR-C | 40 | 8 | 12:00 | 12:15 | 0:25 | 5 |
| | | | | | 12:15 | 15:30 | 3:25 | 5 |
| | | | | | 15:30 | 20:15 | 4:75 | 22 |
| | | | | | 20:15 | 21:15 | 1:00 | 5 |
| | | | | | 21:15 | 22:15 | 1:00 | 6 |
| | | | | | 22:15 | 23:45 | 1:50 | 5 |
| | | | | | 23:45 | 24:00 | 0:25 | 7 |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

| | | | | |
|-------|-------|------|----|---|
| 12:00 | 12:15 | 0:25 | 5 | Wash FR/ 1444m To/ 1472m Tag Cement @ 1472m |
| 12:15 | 15:30 | 3:25 | 5 | Condition Mud & Circ. |
| 15:30 | 20:15 | 4:75 | 22 | Drill Cement FR/ 1472m To/ 1525m |
| 20:15 | 21:15 | 1:00 | 5 | Circulate hole clean. |
| 21:15 | 22:15 | 1:00 | 6 | Wiper trip to 1300m (8stds). |
| 22:15 | 23:45 | 1:50 | 5 | Condition Mud & Circ. |
| 23:45 | 24:00 | 0:25 | 7 | Rig Service top & bottom pipe rams 6sec each. |

CIRCULATION PRESSURE (KPa) PUMP NO. 1 PUMP NO. 2
 LINEAR SIZE (mm) S.P.M. LINEAR SIZE (mm) S.P.M.
 13400 152 110 152 110

REDUCED PUMP SPEED

DEVIATION SURVEY

DEPTH (m) DEVIATION (°) DIRECTION

NOTES
 Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s & manifold valves. Function crown saver GO.

DRILLER SIGNATURE: Garry Dale BOILER #1 & #2 OPERATOR FUEL: 100.00 MIXING MUD SAFETY TOPIC: 4574

CREW SOC. INS. NO. NAME HRS YES NO

| | | | | | | |
|------------|--|-------------------|-------|----|-------------------------------------|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Steve St onge | 12.00 | SS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Driller | | Garry Dale | 4.00 | GD | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Jeff Bergeron | 4.00 | JB | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Pat St onge | 4.00 | PS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 4.00 | RP | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 4.00 | PS | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Leaseman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

RATE SCHEDULE REGULAR REPAIR INVERT

DRIVER A CREW SAFETY DAYS DRIVER B



Based on the CAODC ETS file standard

Job header information including IPUD, RIG RELEASE, JOB NO. 2694C, DATE 03-Oct-2003, and various equipment specifications like RIG NO. 9ETD and MAKE Loadstar.

Table with 25 columns for tracking time in hours (TIME - HRS) for various activities like OPER, DRILL, and other rig functions.

Well type and contractor information section, including WELL TYPE, RE-ENTRY, CONTRACTOR Nabors Drilling Limited, and RIG NO. 9ETD.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

BIT RECORD table for the first tour, showing bit details for Bit # 16, including size, type, and depth.

METERS DRILLED and TIME LOG tables for the first tour, detailing drilling progress and time spent on various operations.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table for the first tour, listing crew members and their tasks.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour.

BIT RECORD table for the second tour, showing bit details for Bit # 17, including size, type, and depth.

METERS DRILLED and TIME LOG tables for the second tour, detailing drilling progress and time spent on various operations.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table for the second tour, listing crew members and their tasks.

FIRST TOUR

SECOND TOUR

NOTES: Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P's & manifold valves. Function crown saver. G.D. Hole Fill Act 12.37 Calc 11.31 Diff 1.06

NOTES: Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Function Crown Saver G.C. Pipe strap 1524.6m / Pipe tally 1524.20m.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, LICENCE NO., WELL NAME AND NO., OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE, DAILY CHECKS, DATE, LAST CASING TUBING OR LINER, O.D. (mm), I.D. (mm), Hg/m, MAKE, GRADE, NO. OF JOINTS, TOTAL (m), KB TO GROUND HEAD (m), SET AT (m), TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, D.O.P. SIZE (mm), LINEAR MASS (kg/m), GRADE, MIN. ID (mm), TOOL JT O.D. (mm), THREAD TYPE, NO. OF JOINTS, PUMP TYPE, PUMP MANUFACTURER, STROKE (mm)

TIME - HRS table with columns for various activities and their durations.

BIT RECORD and MUD RECORD tables for the first tour, including bit details, mud properties, and hole conditions.

METERS DRILLED and TIME LOG tables for the first tour, detailing drilling progress and operational parameters.

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, CAMP, RIG SAFETY DAYS

BIT RECORD and MUD RECORD tables for the second tour, including bit details, mud properties, and hole conditions.

METERS DRILLED and TIME LOG tables for the second tour, detailing drilling progress and operational parameters.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, SOC. INS. NO., NAME, HRS, INJURIES, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

FIRST TOUR

SECOND TOUR

NOTES: Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s & manifold valves. Function crown saver.GD

NOTES



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, LICENCE NO., WELL NAME AND NO., OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE, DAILY CHECKS, DATE, RIG NO., FUEL, RIG, R/C, WEATHER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, D.O (mm), MINED (mm), RPM, MARE, GRADE, NO. OF JOINTS, REPAIRS (LINES), RIG TO G.C. (HEAD-OUT), SET AT (m), LAST CASING TUBING OR LINER, D.O (mm), MINED (mm), RPM, MARE, GRADE, NO. OF JOINTS, REPAIRS (LINES), RIG TO G.C. (HEAD-OUT), SET AT (m)

TIME - HRS table with columns for OPER, DAF, EYE, TOTAL, and various well parameters.

WELL TYPE, RE-ENTRY, DATE, OPERATOR, CONTRACTOR, RIG MANAGER, PROVINCE, WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG NO., RIG SAFETY DAYS

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour. Includes data for PDC Bit, Motor, Float, Bell X/O, NM X/O, Antenna Sub, X/O, Jars, HWD, Drill Collar, and various mud parameters.

Crew list for the first tour including Driller, Derrickman, Motorman, Floorman, and RIG Manager 2, with columns for SOC. INS. NO., NAME, HRS, YES, NO.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour. Includes data for PDC Bit, Motor, Float, Bell X/O, NM X/O, Antenna Sub, X/O, Jars, HWD, Drill Collar, and various mud parameters.

Crew list for the second tour including Driller, Derrickman, Motorman, Floorman, and Leaseman, with columns for SOC. INS. NO., NAME, HRS, YES, NO.



Based on the CAODC ETS file standard

IPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, OPERATOR INTRAGAZ, SURFACE LOCATION Saint Flavian, SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE

DAILY CHECKS, OPR, R.M., DATE 07-Oct-2003, LAST CASING TUBING OR LINER, FUEL @ 8:00, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD

Table with columns: G.D. (mm), MIN. I.D. (mm), WEIGHT, MAKE, GRADE, NO. OF JOINTS, TOTAL (m), HEAD (m), SET AT (m). Values include 339.7, 3315.3, 101.20, Loadstar, K55, 22, 309.92, 7.48, 309.00.

Table with columns: CODE NO., OPER, REEF, DOWN, TIME - HRS. Values include 11.75, 0.50, 4.75, 0.50.

SHALE SHAKER(S), RENTALS/SERVICES, WELL NAME & No. SF-18, DATE 07-Oct-2003, OPERATOR INTRAGAZ, CONTRACTOR Nabors Drilling Limited, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 210.00

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS. Includes columns for BIT NO., LENGTH, MUD TYPE, TIME, FROM, TO, and remarks like 'Directional drill 311mm hole F/1583m - T/1595'.

Table with columns: FROM, TO, G.D., W.C.P., ROTARY R.P.M., W.C.P. (LBS/INCH), FROM, TO, Time, Code No. Includes 'Directional drill 311mm hole F/1583m - T/1595'.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, SOC. INS. NO., NAME, HRS, YES, NO. Includes crew members like Garry Dale, Jeff Bergeron, Pat St onge, Robin Pelletier, Pete St onge, Dan Pelletier.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS. Includes 'Directional Drill 311mm Hole F/1595m T/-1603'.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, SOC. INS. NO., NAME, HRS, YES, NO. Includes crew members like Gordon Cyr, Donald Bergeron, Steve St onge, Sebastien Cote, Rejean Larochelle, Junior Grimard.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B. Includes 'Rolling Casing' and '4598'.

FIRST TOUR SECOND TOUR

NOTES Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s & manifold valves. Function crown saver.GD

NOTES Check Brakes & Linkage, Stabbing Valve, Bop & Manifold Valves, Visual Of Flare & Doggasser Lines. Hole fill : calculated 12.17m / actual 14.39m / difference = 2.22m.



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE

DAILY CHECKS, (1) Daily Walk Around Inspection, (2) Drilling Inspection (Weekly Safety Checks)

Weather table with columns: DATE, O.D. (mm), WIND, GRADE, NO. OF JOBS, TOTAL HRS, KB TO GROUND, SET AT (m)

Drilling activity table with columns: TIME - HRS, OPER, DRILL ACTUAL, REMARKS, CORING, COPD, MPA, STEPS, H2O SERVICE, RETURN SIZE, CHOP OFF, HOLE, SCL, SURF, MUD, WASH, CORE, CUTTING STRUCTURE, W.P. LOGS, MUD, TEST, TEMPERATURE, WIND DIRECTION, ROAD

SHALE SHAKER(S), RENTALS/SERVICES, WELL NAME & No., OPERATOR, RIG MANAGER, PROVINCE

RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., OPERATOR, RIG MANAGER, PROVINCE

BIT RECORD table with columns: NO, BIT NO., SIZE, MFC, TYPE, SERIAL NO., DEPTH IN (m), MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 TO 12:00

CREW table with columns: DRILLER, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

BIT RECORD table with columns: NO, BIT NO., SIZE, MFC, TYPE, SERIAL NO., DEPTH IN (m), MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 TO 24:00

CREW table with columns: DRILLER, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

FIRST TOUR

SECOND TOUR

NOTES: Check brakes & linkage, stabling valve(open) & x/o. Check B.O.P.'s & manifold valves. Reset & function crown saver.GD

NOTES: Check Brakes & Linkage, Stabbing Valve, Bop & Manifold Valves, Visual Of Flame & Degasser Lines, Function Crown Saver G.C. Greased Blocks & Crown

RATE SCHEDULE, REGULAR, REPAIR, INVERT

RATE SCHEDULE, REGULAR, REPAIR, INVERT



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, DAILY CHECKS, DATE, LAST CASING TUBING OR LINER, O.D. (mm), WELD SIZE, Wt (kg), MARK, GRADE, NO. OF JOINTS, TOYAL HRS, AS TO CDR READ (hrs), SGT AT (hr)

WELL TYPE, RE-ENTRY, WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, RIG SAFETY DAYS

TIME - HRS table with columns for DAY, HOURS, MIN, SEC, and various well parameters like DRILL RATE, REMARKS, CORRECTION, etc.

CREW table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, including names like Garry Dale, Jeff Bergeron, Pat St onge, etc.

BIT RECORD table with columns for BIT NO., LENGTH, BIT NO., MUD TYPE, TIME, and various well parameters.

METERS DRILLED table with columns for FROM, TO, D, W, T, and various well parameters.

RATE SCHEDULE table with columns for DRIVER A, CREW SAFETY DAYS, DRIVER B

BIT RECORD table (continued) with columns for BIT NO., LENGTH, BIT NO., MUD TYPE, TIME, and various well parameters.

METERS DRILLED table (continued) with columns for FROM, TO, D, W, T, and various well parameters.

CREW table (continued) with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, including names like Gordon Cyr, Donald Bergeron, etc.

FIRST TOUR

SECOND TOUR

NOTES: Check brakes & linkage, stabling valve (open) & x/o. Check B.O.P's & manifold valves. Function crown saver. GD, Pay Barry Detrenner, Vaughn Prychak, \$100.00 sub for fly in day 8/10/03.

NOTES: Check BOP's & manifold, stabling valve & x/o, brakes & linkages, check & func crown saver. SD. Hole fill Cap=11.69 Act=13.49 Diff=+1.8.



Based on the CAODC ETS file standard

| | | | | |
|---|---|---------------|-----|------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | Well#2694C |
| LICENCE NO. | WELL NAME AND NO. SF-18 | | | |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | | | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | |

| | | | | | | | | | | | | |
|--|------------------|-----------------------------|--------------------------|-----------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------|----------------------------------|----------------------------------|---------------------|
| DAILY CHECKS | DATE 10-Oct-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | WIRE LINE (mm) 3315.3 | WIRE LINE (ft) 101.20 | GRADE Loadstar | K55 | NO. OF JOINTS 22 | TOTAL (m) 309.92 | WELL TO GROUND (m) 7.48 | SET AT (m) 309.00 | |
| (1) Daily Work Around Inspection | RIG NO. 9ETD | FUEL @ 8:00 | CURRENT CONDITION 127.00 | WIND DIRECTION 171.00 | ROAD 228.00 | LINEAR MACH (mm) 29.00 | M.I.D (mm) 85.00 | TOOL JT O.D (mm) 156.00 | THREAD TYPE 41/2if | PUMP TYPE PZ8 | PUMP MANUFACTURER Gardner Denver | STROKE LTH (mm) 203 |
| (2) Detailed Inspection Weekly (using checklist) | RIG 131 | BOILER | WIND DIRECTION 171.00 | ROAD 228.00 | LINEAR MACH (mm) 29.00 | M.I.D (mm) 85.00 | TOOL JT O.D (mm) 156.00 | THREAD TYPE 41/2if | PUMP TYPE PZ8 | PUMP MANUFACTURER Gardner Denver | STROKE LTH (mm) 203 | |
| (3) HSE Bylaw Period (B required) | | | | | | | | | | | | |
| (4) Work License & Risk Diagram Present | | | | | | | | | | | | |
| (5) Flare Line Staked | | | | | | | | | | | | |
| (6) BOP Drain Flarehead | | | | | | | | | | | | |
| (7) Visually Inspect BOP's Flarelines & Degasser Lines | | | | | | | | | | | | |
| (8) O.A.D.D. Rig Safety Inspection Checklist (if/when/where) | | | | | | | | | | | | |
| (9) Mast Inspection Before Hoisting or Lowering | | | | | | | | | | | | |
| (10) Control Panel Checked | | | | | | | | | | | | |
| (11) Motor Kils Checked | | | | | | | | | | | | |

| TIME - HRS | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------------|------|-------------------|------------|------------|----------------|----------|---|
| 0:00 | | | | | | | |
| 1:00 | | | | | | | |
| 2:00 | | | | | | | |
| 3:00 | | | | | | | |
| 4:00 | | | | | | | |
| 5:00 | | | | | | | |
| 6:00 | | | | | | | |
| 7:00 | | | | | | | |
| 8:00 | | | | | | | |
| 9:00 | | | | | | | |
| 10:00 | | | | | | | |
| 11:00 | | | | | | | |
| 12:00 | | | | | | | |
| 13:00 | | | | | | | |
| 14:00 | | | | | | | |
| 15:00 | | | | | | | |
| 16:00 | | | | | | | |
| 17:00 | | | | | | | |
| 18:00 | | | | | | | |
| 19:00 | | | | | | | |
| 20:00 | | | | | | | |
| 21:00 | | | | | | | |
| 22:00 | | | | | | | |
| 23:00 | | | | | | | |
| 24:00 | | | | | | | |

| | | |
|-------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | Well#2694C | DATE 10-Oct-2003 |
| OPERATOR INTRAGAZ | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 213.00 |

| NO. | BIT | O.D. (mm) | LENGTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | DR | 15 | 13 | 0:00 | 2:30 | 2:50 | 2 | Directional Drill 311mm Hole FR/ 1635m TO/1638m |
|---------------|---------------|-----------|---------|------------|----------|-------------|-----------|-------|---------|---------|----|----|----|-------|-------|------|----|---|
| 1 | Motor | 203 | 8.97 | 311 | | | | 01:00 | 1635.00 | 1657.00 | DR | 15 | 13 | 0:00 | 2:30 | 2:50 | 2 | Directional Drill 311mm Hole FR/ 1635m TO/1638m |
| 1 | Float | 174 | 0.65 | | | | | 10:35 | | | | | | 2:30 | 2:45 | 0:25 | 7 | Rig Service (Function TPR & BPR C-O 7 sec) |
| 1 | Bell X/O | 214 | 0.70 | Geodiamond | | | | 140 | | | | | | 2:45 | 11:30 | 8:75 | 2 | Dir. Drill FR/ 1638m TO/ 1657m. |
| 1 | NM X/O | 166 | 0.92 | MA82PX | | | | 155 | | | | | | 11:30 | 12:00 | 0:50 | 10 | Deviation Survey |
| 1 | Mix Flex Pony | 164 | 8.76 | J8S184 | | | | 11.5 | | | | | | | | | | |
| 1 | Index Sub | 164 | 0.63 | | | | | 83 | | | | | | | | | | |
| 1 | Antenna Sub | 164 | 0.74 | | | | | 83.2 | | | | | | | | | | |
| 1 | X/O | 164 | 0.77 | | | | | 80.7 | | | | | | | | | | |
| 2 | Mix Flex Pony | 164 | 17.77 | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.73 | | | | | | | | | | | | | | | |
| 53 | HWDP | 168 | 495.02 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.94 | | | | | | | | | | | | | | | |
| 15 | Drill Collar | 172 | 141.76 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.73 | | | | | | | | | | | | | | | |
| 34 | D.P. | STANDS | 965.03 | | | | | | | | | | | | | | | |
| 0 | D.P. | SINGLES | 0.00 | | | | | | | | | | | | | | | |
| | | | 1657.00 | | | | | | | | | | | | | | | |
| WT. OF DC | | | 53.00 | | | | | | | | | | | | | | | |
| WT. OF STRING | | | 83.00 | | | | | | | | | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|---------------|---------------|-------------------|-------|----------|
| Driller | | Gordon Cyr | 12.00 | GC |
| Derrickman | | Donald Bergeron | 12.00 | DB |
| Motorman | | Marco Lepage | 12.00 | ML |
| Floorman | | Sebastien Cote | 12.00 | SC |
| Floorman | | Rejean Larochelle | 12.00 | RL |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP |

| NO. | BIT | O.D. (mm) | LENGTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | DR | 15 | 12 | 12:00 | 14:30 | 2:50 | 2 | Drig 311mm hole f/1657 to 1665m |
|---------------|---------------|-----------|---------|------------|----------|-------------|-----------|-------|---------|---------|----|----|----|-------|-------|------|----|---|
| 1 | Motor | 203 | 8.97 | 311 | | | | 14:00 | 1657.00 | 1679.00 | DR | 15 | 12 | 12:00 | 14:30 | 2:50 | 2 | Drig 311mm hole f/1657 to 1665m |
| 1 | Float | 174 | 0.65 | | | | | 10:35 | | | | | | 14:30 | 14:45 | 0:25 | 22 | Conduct flow check @1663m,1665m. No flow. |
| 1 | Bell X/O | 214 | 0.70 | Geodiamond | | | | 120 | | | | | | 14:45 | 15:45 | 1:00 | 2 | Drill 311mm hole f/1665m to 1667m. |
| 1 | NM X/O | 166 | 0.92 | MA82PX | | | | 137 | | | | | | 15:45 | 16:00 | 0:25 | 7 | Rig Service Function Annular C/O 19 secs |
| 1 | Mix Flex Pony | 164 | 8.76 | J8S184 | | | | 11.5 | | | | | | 16:00 | 20:15 | 4:25 | 2 | Drill 311 mm hole f/1667 to 1679m |
| 1 | Index Sub | 164 | 0.63 | | | | | 93.8 | | | | | | 20:15 | 21:30 | 1:25 | 5 | Condition Mud & Circ. Bottoms Up |
| 1 | Antenna Sub | 164 | 0.74 | | | | | | | | | | | 21:30 | 22:30 | 1:00 | 6 | Flow Check & Circulate Out 1541m |
| 1 | X/O | 164 | 0.77 | | | | | | | | | | | | | | | |
| 2 | Mix Flex Pony | 164 | 17.77 | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.73 | | | | | | | | | | | | | | | |
| 53 | HWDP | 168 | 495.02 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.94 | | | | | | | | | | | | | | | |
| 15 | Drill Collar | 172 | 141.76 | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.73 | | | | | | | | | | | | | | | |
| 34 | D.P. | STANDS | 963.98 | | | | | | | | | | | | | | | |
| 0 | D.P. | SINGLES | 0.00 | | | | | | | | | | | | | | | |
| | | | 1679.00 | | | | | | | | | | | | | | | |
| WT. OF DC | | | 53.00 | | | | | | | | | | | | | | | |
| WT. OF STRING | | | 83.00 | | | | | | | | | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|------------|---------------|----------------|-------|----------|
| Driller | | Michel Nault | 12.00 | MN |
| Derrickman | | Steve St Onge | 12.00 | SS |
| Motorman | | Vaugh Prychak | 12.00 | VP |
| Floorman | | Gabriel Cote | 12.00 | GC |
| Floorman | | Junior Grimard | 12.00 | JG |
| Leaseman | | Maxime Jacques | 12.00 | MJ |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|-------------------------|--|---|--|---|--|--------------|--|---|--|--|--|-----------------------|--|-----------------------|--|------------------|--|--------------------------|--|-------------------------------------|--|-----------------|--|-------------------------|--|----------------------------------|--|-----------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 14-Oct-2003 | | LAST CASING TUBING 9ETD | | G.D. (mm) 339.7 | | MIN.D. (mm) 3315.3 | | W.M. (mm) 101.20 | | LOADSTAR | | GRADE K55 | | NO OF JOINTS 22 | | TOTAL (m) 309.92 | | W.T.O. (mm) 7.48 | | SET AT (m) 309.00 | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR | | CONTRACTOR Nabors Drilling Limited | | WEATHER | | TEMPERATURE 127.00 | | HUMIDITY 29.00 | | WIND DIRECTION 171.00 | | WIND SPEED 174.00 | | GRADE DC | | DIP 74.00 | | MAGNETIC 172.00 | | CORRECTION 5H90 | | PUMP TYPE PZ8 | | PUMP MANUFACTURER Gardner Denver | | STROKE (Ltr./min) 203 | |
| SURFACE LOCATION Saint Flavian | | UNIQUE ID: | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WELL TYPE | | RE-ENTRY <input type="checkbox"/> | | YES <input type="checkbox"/> NO <input type="checkbox"/> | | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | DATE 14-Oct-2003 | | OPERATOR | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | RIG MANAGER Don Johnson | | RIG SAFETY DAYS: 217.00 | | | |
| TIME - HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 to 12:00 | | INJURIES | | | | | | | | | | | | | | | | | |
| NO | | BIT NO. | | MUD TYPE | | FROM TO | | FROM TO | | Run Pipe To 1375m Drift & Strap | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | | | | | | | | |
| 1 | | 4.00 | | WATER BASED | | 0:00 0:45 | | 0:00 0:45 | | 6.75 6 | | Driller | | Gordon Cyr | | 13.00 | | GC | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 2 | | 0.75 | | Oil Based | | 0:45 3:15 | | 0:45 3:15 | | 2.50 5 | | Derrickman | | Donald Bergeron | | 13.00 | | DB | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 3 | | 3.00 | | Water Based | | 3:15 4:00 | | 3:15 4:00 | | 0.75 5 | | Motorman | | Marco Lepage | | 13.00 | | ML | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 4 | | 0.25 | | Oil Based | | 4:00 4:15 | | 4:00 4:15 | | 0.25 21 | | Floorman | | Sebastien Cote | | 13.00 | | SC | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 5 | | 0.75 | | Water Based | | 4:15 5:00 | | 4:15 5:00 | | 0.75 5 | | Floorman | | Rejean Larochelle | | 13.00 | | RL | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 6 | | 3.50 | | Oil Based | | 5:00 8:30 | | 5:00 8:30 | | 3.50 12 | | Rig Manager 2 | | Dan Pelletier | | 13.00 | | DP | | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | |
| 7 | | 1.25 | | Water Based | | 8:30 12:00 | | 8:30 12:00 | | 3.50 18 | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 8 | | 6.75 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 9 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 10 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 11 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 12 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 13 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 14 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 15 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 16 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 17 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 18 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 19 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 20 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 21 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 22 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 23 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 24 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 25 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 26 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 27 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 28 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 29 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 30 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 31 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 32 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 33 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 34 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 35 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 36 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 37 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 38 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 39 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 40 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 41 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 42 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 43 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 44 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 45 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 46 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 47 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 48 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 49 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 50 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 51 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 52 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 53 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 54 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 55 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 56 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 57 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 58 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 59 | | 10.25 | | Water Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |
| 60 | | 10.25 | | Oil Based | | | | | | | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|-------------------------|--|---|--|------------------------------------|--|---|--|---|--|---|--|------------------------------------|--|-------------------------|--|------------------|--|------------------|--|--|--|-------------------------|--|-------------------------|--|-------------------|--|-----------------|--|---|--|-----------|--|-------------------|--|-------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | OPR. 15-Oct-2003 | | LAST CASING TURNS 339.7 | | METS TO 3315.3 | | METS TO 101.20 | | METS TO Loadstar | | METS TO K55 | | METS TO 22 | | TOTAL WEL LENGTH 309.92 | | KB TO CGO HEAD MET 7.48 | | SET AT (m) 309.00 | | | | | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR | | CONTRACTOR Nabors Drilling Limited | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | DOOP SIZE (mm) | | LINE AS MASS (kg/m) | | GRADE | | MIN. ID (mm) | | TOOL JOE D.D (mm) | | THREAD TYPE | | NO OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (L/STROKE) | |
| SURFACE LOCATION Saint Flavian | | WELL TYPE | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | DATE 15-Oct-2003 | | OPERATOR | | CONTRACTOR Nabors Drilling Limited | | RIG MANAGER Don Johnson | | RIG NO. 9ETD | | PROVINCE Quebec | | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | RIG SAFETY DAYS 215.00 | | SHALE SHAKER(S) | | RENTALS/SERVICES | | SCREENS CHANGED | | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | | TOP 140 | | MIDDLE 140 | | BOTTOM | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | INJURIES | | YES | | NO | | | | | | | |
| DRILLER SIGNATURE Gordon Cyr | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | DRILLER SIGNATURE Michel Nault | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | DRILLER SIGNATURE | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | DRILLER SIGNATURE | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | | | | | | | | |

FIRST TOUR

SECOND TOUR

NOTES

Check Brakes & linkage, Stabbing Valve, Crown Saver.

NOTES

check brake/linkage, stab valve & crown saver.

Lift BOP Stack, Remove Spacing Spools & Install Tubing Spool & Press Test Spool Flange To 35mpa Ok, Press Test Secondary Seal To 35mpa Ok, Install XO Flange & Lower BOP Stack, Tighten Choke & Kill Lines, Install Flow Nipple

Make up single and test plug.
Test Annular - 1400 KPa low 17500 KPa high 10 minutes each. Test Upper pipe rams. No test.

Open pipe rams and install variable rams.
Test Blind rams, Lower pipe rams, Upper pipe rams, Stack valves, Check valves, Choke lines to manifold, Kill lines and valves, Standpipe, Pump valves, Upper and lower valves on top drive, Stabbing valve. 1400kpa low, 34500kpa high
Make up motor, PDC bit, and trip in

Make up motor, PDC bit, and trip in

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO | INJURIES |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|--------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Motorman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Rejean Laroche | 12.00 | RL | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO | INJURIES |
|------------|---------------|----------------|-------|-----|-------------------------------------|--------------------------|
| Driller | | Brent Kramps | 12.00 | BK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Derrickman | | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Motorman | | Vaughn Prychak | 12.00 | VP | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | |
|---------------------------------------|---|-------------------------|-------------|
| SPUD | RIG RELEASE | JOB NO. | AFE |
| LICENCE NO. | WELL NAME AND NO. | 2694C | |
| OPERATOR | CONTRACTOR | Nabors Drilling Limited | |
| SURFACE LOCATION | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE | SIGNATURE OF CONTRACTORS REPRESENTATIVE | DEAN WAPPLE | Don Johnson |

| | | | | | | | | | | | |
|-------------------|-------------|-----------------------------|-------|--------|--------|----------|-----|-----|----------------|----------------|--------|
| DATE | 16-Oct-2003 | LAST CASING TUBING OR LINER | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 309.92 | 7.48 | 309.00 |
| FUEL @ 8:00 | | | | | | | | | | | |
| RIG | 130 | BOILER | | | | | | | | | |
| TEMPERATURE | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | | P28 | Gardner Denver | 203 | |
| CURRENT CONDITION | 171.00 | 174.00 | DC | 74.00 | 172.00 | SH90 | | 33 | P28 | Gardner Denver | 203 |
| WIND DIRECTION | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | | 3 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TIME - HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILL | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|--------------------|---------------|----------------|--------------|
| BIT RECORD | | MUD RECORD | |
| NO. | SIZE | DEPTH IN (m) | DEPTH IN (m) |
| 1 | PDC Bit | 216 | 0.25 |
| 1 | Motor | 171 | 7.24 |
| 1 | Float | 174 | 0.71 |
| 1 | NM X/O | 166 | 0.73 |
| 51 | HWDP | 168 | 476.65 |
| MUD MATERIAL ADDED | | SOLIDS CONTROL | |
| PRODUCT | AMOUNT x UNIT | CENTRIFUGE #1 | |
| acid sulfanic | 4 bag | cent#2 | |
| Sodium sulfite | 11sxs | | |
| Saap | 4 sxs | | |
| H2o | 8 Chem Bbl | | |

| | | | | | |
|----------------|---------|----------|--|---|--|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM | TO | TIME | REMARKS | | |
| 1470.00 | 1670.00 | 0:00 | RIH To 1365m | | |
| | | 0:45 | Wash Fr/ 1365m To/ 1470m | | |
| | | 3:45 | Drill Cement FR/ 1470m TO/1659m | | |
| | | 9:45 | Rig service. Function annular 22sec. | | |
| | | 10:00 | Drill cement F/1659m - 1670m | | |
| | | 10:15 | Circulate casing clean of cement. | | |
| | | 11:15 | Pressure test 244.5mm casing & Weatherford valves. 1400kpa low - 24mpa high. | | |

| | | | |
|--------------------|---------------|----------------|--------------|
| BIT RECORD | | MUD RECORD | |
| NO. | SIZE | DEPTH IN (m) | DEPTH IN (m) |
| 1 | PDC Bit | 216 | 0.25 |
| 1 | Motor | 171 | 7.24 |
| 1 | Float | 174 | 0.71 |
| 1 | NM X/O | 166 | 0.73 |
| 51 | HWDP | 168 | 476.65 |
| MUD MATERIAL ADDED | | SOLIDS CONTROL | |
| PRODUCT | AMOUNT x UNIT | Centrifuge #1 | |
| CauticSoda | 1 sx | cent#2 | |
| Xanvis | 9sxs | | |
| Sodium sulfite | 8sxs | | |
| Acid sulfanic | 2sxs | | |
| Drispac | 1 sx | | |
| Barite | 40 sxs | | |

| | | | | | |
|----------------|----|----------|---|---|--|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM | TO | TIME | REMARKS | | |
| 1670.00 | | 12:00 | Con't pressure test 244.5mm casing & Weatherford valves. 1400kpa low for 10min. 6 attempts @ 24mpa high. Each attempt losing 5000 - 6000kpa over 10min. | | |
| | | 21:00 | RELEASE PRESSURE AND PULL TEST PLUG | | |
| | | 21:30 | ACCUMULATOR FUNCTION TEST INITIAL PRESSURE 2700 PSI . CLOSE ANNULAR REMAINING PRESSURE 1700 PSI TIME 30 SEC CLOSE TOP PIPE REMAINING PRESSURE 1550 PSI TIME 6 SEC CLOSE BTM PIPE RAMM REMAINING PRESSURE 1450 PSI TIME 6 SEC OPEN HCR REMAINING PRESSURE 1400 PSI TIME 2 SEC TIME TO RECHARGE 3 MIN 15 SEC PRECHARGE PRESSURE 975 PSI | | |
| | | 21:45 | RIG SERVICE CHECK CROWN SAVER | | |
| | | 22:00 | TRIP OUT TO 1273 m | | |
| | | 22:45 | WAIT ON ORDERS | | |
| | | 23:15 | TRIP IN | | |

| | | | | | |
|-----------------|-------------|-------------------------|-------------|--------------------|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. | |
| WELL NAME & No. | SF-18 | DATE | 16-Oct-2003 | | |
| OPERATOR | CONTRACTOR | Nabors Drilling Limited | | | |
| RIG MANAGER | Don Johnson | RIG NO. | 9ETD | | |
| PROVINCE | Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 219.00 |

| | | | | | |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 8.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 8.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Marco Lepage | 8.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 8.00 | SC | <input checked="" type="checkbox"/> |
| Floorman | | Rejean Laroche | 8.00 | RL | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| | | | | | |
|----------------|----|----------|---|---|--|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM | TO | TIME | REMARKS | | |
| 1670.00 | | 12:00 | Con't pressure test 244.5mm casing & Weatherford valves. 1400kpa low for 10min. 6 attempts @ 24mpa high. Each attempt losing 5000 - 6000kpa over 10min. | | |
| | | 21:00 | RELEASE PRESSURE AND PULL TEST PLUG | | |
| | | 21:30 | ACCUMULATOR FUNCTION TEST INITIAL PRESSURE 2700 PSI . CLOSE ANNULAR REMAINING PRESSURE 1700 PSI TIME 30 SEC CLOSE TOP PIPE REMAINING PRESSURE 1550 PSI TIME 6 SEC CLOSE BTM PIPE RAMM REMAINING PRESSURE 1450 PSI TIME 6 SEC OPEN HCR REMAINING PRESSURE 1400 PSI TIME 2 SEC TIME TO RECHARGE 3 MIN 15 SEC PRECHARGE PRESSURE 975 PSI | | |
| | | 21:45 | RIG SERVICE CHECK CROWN SAVER | | |
| | | 22:00 | TRIP OUT TO 1273 m | | |
| | | 22:45 | WAIT ON ORDERS | | |
| | | 23:15 | TRIP IN | | |

NOTES

Check brakes & linkage, slabbing valve(open), Check B.O.p's & manifold valves. Function crown saver.GD



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--|---|--|------------------------------------|--|---------------------|--|--|--|--|--|--------------------------|--|--------------------|--|------------------|--|----------------------------------|--|-------------------------|--|------------------|--|--------------------------|--|-------------------------|--|-------------------------|--|-----------|--|-------------------|--|---------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 17-Oct-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) 339.7 | | I.D. (mm) 3315.3 | | WGT (kg) 101.20 | | MAKE Loadstar | | GRADE K55 | | NO. OF JOINTS 22 | | TOTAL NO. LENGTHS 309.92 | | KB TO CSG HEAD (m) 7.48 | | SET AT (m) 309.00 | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | OPERATOR Nabors Drilling Limited | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | FUEL @ 8:00 | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | D.C.P. SIZE (mm) | | LINEAL MASS (kg/m) | | BRACE | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | SYNCRON. (Ltr./min) | |
| SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WEATHER | | SHALE SHAKER(S) | | RENTALS/SERVICES | | WELL TYPE | | RE-ENTRY | | KB TO GROUND ELEV. | | DATE 17-Oct-2003 | | OPERATOR Nabors Drilling Limited | | RIG MANAGER Don Johnson | | RIG NO. 9ETD | | PROVINCE Quebec | | CAMP | | RIG SAFETY DAYS: 220.00 | | | | | | | |
| TIME HRS | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | Crew | | SOC. INS. NO. | | NAME | | HRS | | INJURIES | | | | | | | | | | | | | | | |
| 1 PDC Bit 216 0.25 | | BIT NO. 21 | | MUD TYPE WATER BASED | | FROM 1670.00 TO 1679.00 D 20 10 | | 0:00 0:15 0:25 21 | | B.O.P drill prior to drill out. | | Driller Brent Kramps 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Motor 171 7.24 | | MUD TYPE OIL BASED | | PRODUCT Defoamer 1 BAG | | FROM 1679.00 TO 1682.00 D 20 10 | | 0:15 1:15 1:00 22 | | DRILL OUT CEMENT & SHOE F/1670m- 1679 m | | Driller Michel Nault 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 NM X/O 166 0.71 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 1:15 1:45 0:50 2 | | DRILL 216MM HOLE FR/1679M TO 1682M | | Derrickman Steve St Onge 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 HWDP 168 476.65 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 1:45 2:30 0:75 5 | | CIRC SAMPLE | | Motoman Vaughn Prychak 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 2:30 4:15 1:75 15 | | INSTALL STB & CLOSE UPPER PIPE RAM & PRESS TEST INTEGRITY TEST AT CASING SHOE LEAK OFF PRESSURE STABILISED AT 12000 KPA | | Floorman Gabriel Cote 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 4:15 4:30 0:25 15 | | CONDUCT BUILD UP / INJECTIVITY TEST . SHOE INTEGRITY =18500 KPA SURFACE PRESURE . VOLUME PUMPED = 1 M3 TO FORMATION AT .25M3/MIN AT 20000 KPA | | Floorman Junior Grimard 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 4:30 4:45 0:25 15 | | RELEASE PRESSURE FROM DRILL STRING AND ANNULAR REMOVE STABING VALVE | | Rig Manager 2 Dan Pelletier 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 4:45 8:30 3:75 6 | | PUMP WEIGHTED SLUG TRIP OUT FLOW CHECK AS REQUIRED 1682 M ,476m. O.O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 8:30 8:45 0:25 7 | | Rig Service.Function blind rams 5sec. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 8:45 10:15 1:50 23 | | Remove flow nipple & rig in lubricator with spool. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 10:15 10:30 0:25 21 | | Safety Meeting with Computalog prior to picking up tools. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 10:30 12:00 1:50 11 | | Pick up Gauge ring/junk basket, R.I.H to 1500m. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | CHECK BRAKE LINKAGE,STB VALVE ,CROWN SAVER. Hole fill: calculated 1.53m3 / actual 12.68m3 / difference +3.15m3.GD | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | DRILLER SIGNATURE Michel Nault | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | OPERATOR FUEL | | 76.00 | | PRESS TEST CASING | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | METERS DRILLED | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | TIME LOG | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | SECOND TOUR 12:00 TO 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | 12:00 18:00 6:00 11 | | Make up Pulse Echo Tool. R.I.H to 1425m. 10mpa pressure held during log. | | Driller Garry Dale 12.00 | | GD | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 18:00 21:45 3:75 11 | | Make up 60 Arm Multi-Sensor Caliper. R.I.H to 1500m. & log up | | Derrickman Jeff Bergeron 12.00 | | JB | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 21:45 23:00 1:25 11 | | LAY DOWN LOGGING TOOLS.& RIG UP FLOW NIPPLE | | Motoman Pat St onge 12.00 | | PS | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 23:00 23:45 0:75 6 | | MAKE UP NEW BHA. | | Floorman Robin Pelletier 12.00 | | RP | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 23:45 24:00 0:25 7 | | RIG SERVICE (FUNCTION BLIND RAM O-C 6 SECS) | | Floorman Pete St onge 12.00 | | PS | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | Check brakes & linkage. Check all bolts on B.O.P stack. Check stabbing valve & x/o, manifold valves. Function crown saver.GD Living allowance for travel on Oct 15, 2003 for Garry Dale. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | DRILLER SIGNATURE Garry Dale | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | OPERATOR FUEL | | 76.00 | | Logging | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | METERS DRILLED | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | TIME LOG | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.75 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL 0.50 | | MUD TYPE OIL BASED | | PRODUCT Gel/Chem 1 BAG | | FROM 1682.00 TO 1682.00 D 20 10 | | 0:00 0:00 0:00 0:00 | | SECOND TOUR 12:00 TO 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, LICENCE NO., WELL NAME AND NO., OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE, DAILY CHECKS, DATE, LAST CASING TUBING, RIG NO., FUEL @ 8:00, RIG, TEMPERATURE, CURRENT CONDITION, WIND VELOCITY, ROAD, CASING TUBING, LINEAR GRADE, GRADE, W.R. ID, TOOL IT O.D, THREAD TYPE, NO OF JOINTS, PUMP TYPE, PUMP MANUFACTURER, STROKE (Ltr./min), WEATHER, SHALE SHAKER(S), RENTALS/SERVICES

TIME - HRS table with columns for OPER, DRILL, PUMP, etc. and TOTALS for SHALE SHAKER(S) and RENTALS/SERVICES.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR (0:00 to 12:00), CREW, SOC. INS. NO., NAME, HRS, INJURIES

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR (12:00 to 24:00), CREW, SOC. INS. NO., NAME, HRS, INJURIES

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, CAMP, RIG SAFETY DAYS, INJURIES table, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

DRILLER SIGNATURE, HRS, MIN, SEC, OPERATOR FUEL, MAX EXP. HOOKLOAD, SAFETY TOPIC, M.A.C.P., DRIVER A, CREW SAFETY DAYS, DRIVER B



Based on the CAODC ETS file standard

SPUD LICENCE NO. OPERATOR SURFACE LOCATION SIGNATURE OF OPERATORS REPRESENTATIVE

RIG RELEASE WELL NAME AND NO. CONTRACTOR NABORS DRILLING LIMITED UNIQUE ID: SIGNATURE OF CONTRACTORS REPRESENTATIVE

JOB NO. 2694C AFE

SAINT FLAVIEN

DEAN WAPPLE

- DAILY CHECKS
- Daily Walk Around Inspection
 - Detailed Inspection Weekly (using checklist)
 - HSE Signs Posted (if required)
 - Well Control & Risk Diagram Posted
 - Flare Line Checked
 - BOP Daily Performance
 - Visually Inspect H2S Flares and Degasser Lines
 - Rig Site Health and Safety Meeting Conducted
 - CAODC Rig Safety Inspection Checklist (environment)
 - Make Inspection Before Raising or Lowering
 - Crown Saver Checked
 - Make Wellbore Check

| | | | |
|-------------------|-------------|-----------------------------|----------------|
| DATE | 19-Oct-2003 | LAST CASING TUBING OR LINER | 9ETD |
| RIG NO. | FUEL @ 8:00 | 185 | SOILER 0 |
| TEMPERATURE | 10 | DOOP SIZE (mm) | 127.00 |
| CURRENT CONDITION | 127.00 | LINEAR MASS (kg/m) | 29.00 |
| WIND DIRECTION | NW | GRADE | E |
| ROAD | 228.00 | MIN ID (mm) | 85.00 |
| | 236.00 | TOOL JT O.D (mm) | 156.00 |
| | | THREAD TYPE | 41/2IF |
| | | NO. OF JOINTS | 33 |
| | | PUMP TYPE | PZ8 |
| | | PUMP MANUFACTURER | Gardner Denver |
| | | RETURNING LTR (L/min) | 203 |

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DRP | | | | | | | | | | | | | | | | | | | | | | | | |
| SHV | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|-------------------|---|
| SHAPE SHAKER(S) | |
| RENTALS/SERVICES | |
| NO. 2 | |
| TYPE | |
| SCREENING CHANGED | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| TOP | 210 |
| MIDDLE | 210 |
| BOTTOM | 210 |

WELL TYPE RE-ENTRY YES NO KB TO GROUND ELEV.

WELL NAME & No. SF-18 DATE 19-Oct-2003

OPERATOR NABORS DRILLING LIMITED CONTRACTOR NABORS DRILLING LIMITED

RIG MANAGER DON JOHNSON RIG NO. 9ETD

PROVINCE QUEBEC CAMP YES NO RIG SAFETY DAYS: 222.00

| BIT RECORD | | MUD RECORD | |
|----------------------|---------------|------------|---------|
| BIT NO. | 208 | 2.99 | |
| SIZE | | | |
| IADC CODE | | | |
| MFG. | | | |
| TYPE | | | |
| SERIAL NO. | | | |
| JETS | | | |
| DEPTH OUT (m) | | | |
| DEPTH IN (m) | | | |
| TOTAL METERS DRILLED | | | |
| TOTAL HOURS RUN | | | |
| MUD MATERIAL ADDED | | | |
| PRODUCT | AMOUNT x UNIT | | |
| SOLIDS CONTROL | | | |
| Centrifuge #1 | | | |
| Centrifuge #2 | | | |
| HOLE CONDITION | | | |
| HOLE DRAG | | | |
| TORQUE AT BOTTOM | | | |
| FILL ON BOTTOM (m) | | | |
| 59 | D.P. | STANDS | 1675.16 |
| 0 | D.P. | SINGLES | 0.00 |
| KELLYDOWN | | | 0.00 |
| TOTAL | | | 1678.15 |

| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|----------------|----|----------|-------|---|----|
| FROM | TO | TIME | CODE | | |
| 1682.00 | | 0:00 | 2:00 | 2:00 | 6 |
| | | 2:00 | 4:30 | 2:50 | 6 |
| | | 4:30 | 5:30 | 1:00 | 22 |
| | | 5:30 | 7:00 | 1:50 | 6 |
| | | 7:00 | 8:30 | 1:50 | 22 |
| | | 8:30 | 10:15 | 1:45 | 6 |
| | | 10:15 | 10:30 | 0:25 | 23 |
| | | 10:30 | 12:00 | 1:50 | 6 |

TRIP OUT WITH SCRAPER . FLOW CHECK OUT OF HOLE

RIG UP PACKER TOOLS & RUN IN THE HOLE TO 1110 M

SET PACKER AT 1110 M & PRESS TEST DDV VALVE AND CASING TO 21000 KPA. PRESS AFTER 15 MINS 19000 KPA . RELEASE PRESSURE THROUGH MANUAL CHOKE

TRIP IN TO 1668 M

SET PACKER AT 1663M & pressure test casing & weatherford valves to 23mpa.

P.O.O.H with packer to 966m. Flow checks @ 1670m,1528m,966m.

Function DDV closed/open.

Con't P.O.O.H with packer from 966m. Flow check O.O.H.

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|----------------|-------|--------------------------|--------------------------|
| Driller | | Brent Kramps | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Driller | | Michel Naut | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | <input type="checkbox"/> | <input type="checkbox"/> |

| BIT RECORD | | MUD RECORD | |
|----------------------|---------------|------------|---------|
| BIT NO. | 127 | 485.94 | |
| SIZE | | | |
| IADC CODE | | | |
| MFG. | | | |
| TYPE | | | |
| SERIAL NO. | | | |
| JETS | | | |
| DEPTH OUT (m) | | | |
| DEPTH IN (m) | | | |
| TOTAL METERS DRILLED | | | |
| TOTAL HOURS RUN | | | |
| MUD MATERIAL ADDED | | | |
| PRODUCT | AMOUNT x UNIT | | |
| SOLIDS CONTROL | | | |
| Centrifuge #1 | | | |
| Centrifuge #2 | | | |
| HOLE CONDITION | | | |
| HOLE DRAG | | | |
| TORQUE AT BOTTOM | | | |
| FILL ON BOTTOM (m) | | | |
| 42 | D.P. | STANDS | 1193.17 |
| 0 | D.P. | SINGLES | 0.00 |
| KELLYDOWN | | | 0.00 |
| TOTAL | | | 1879.11 |

| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|----------------|----|----------|-------|---|----|
| FROM | TO | TIME | CODE | | |
| 1682.00 | | 12:00 | 12:15 | 0:25 | 6 |
| | | 12:15 | 12:30 | 0:25 | 7 |
| | | 12:30 | 17:30 | 5:00 | 6 |
| | | 17:30 | 19:15 | 1:45 | 5 |
| | | 19:15 | 19:30 | 0:25 | 21 |
| | | 19:30 | 20:15 | 0:45 | 18 |
| | | 20:15 | 21:45 | 1:50 | 6 |
| | | 21:45 | 22:00 | 0:25 | 5 |
| | | 22:00 | 0:00 | 2:00 | 18 |

Break down packer.

Rig Service. Function blind rams 6sec. Bottom pipe rams 6sec.

R.I.H open ended for cementing. Pick up 52 HWDP.

Circulate.

Safety meeting about cementing.

Pump cement to squeeze

Pull out 20 stds up to 1100m

Close hydrill & reverse circ with both rig pump & 76 stks each & untill no cement returns.

Screw top drive on drill pipe & close upper pipe ram & start to squeeze cement up to 27000kpa. Lost 16000 dan on string weight. Monitor & record ann press. 27000kpa.

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-----------------|-------|-------------------------------------|-------------------------------------|
| Driller | | Garry Dale | 12.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Derrickman | | Jeff Bergeron | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Pat St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 20-Oct-2003, LAST CASING TUBING OR LINER, FUEL @ 8:00, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, WINDSPEED

TIME - HRS table with columns for DAY, EVE, TOTAL and various well parameters like DEPTH, TEMPERATURE, etc.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR (0:00 to 12:00)

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR (12:00 to 24:00)

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No. SF-18, Well #2694C, DATE 20-Oct-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG No. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 223.00

CREW table for First Tour with columns for SOC. INS. NO., NAME, HRS, YES/NO

CREW table for Second Tour with columns for SOC. INS. NO., NAME, HRS, YES/NO

FIRST TOUR

SECOND TOUR

NOTES: CHECK BRAKE & LINKAGE & STB VALVE & CROWN SAVER & FUNCTION UPPER PIPE RAM MIN

NOTES: Check brakes & linkage, stabbing valve (open), Check B.O.P's & manifold valves, Function crown saver, Grease crown (GD), Operator Rig check (check list) - no major deficiencies.



Based on the CAODC ETS file standard

Drilling log form with sections: SPUD, RIG RELEASE, JOB NO., AFE, DAILY CHECKS, OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, SIGNATURE OF CONTRACTORS REPRESENTATIVE, TIME - HRS, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CREW, SOC. INS. NO., NAME, HRS, INJURIES, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, Well #2694C, OPERATOR, CONTRACTOR Nabors Drilling Limited, SURFACE LOCATION Saint Flavian, SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss, SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden

DAILY CHECKS, OPR, R.M., DATE 23-Oct-2003, LAST CASING TUBING OR LINER, O.D. (mm), MIN. I.D. (mm), GRADE, NO. OF JOINTS, TOTAL (m) LENGTH, SET AT (m), FUEL @ 8:00, RIG 108 BOILER, WEATHER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, SHALE SHAKER(S), RENTALS/SERVICES

TIME - HRS, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

SHALE SHAKER(S), RENTALS/SERVICES, WELL NAME & No. SF-18, Well #2694C, DATE 23-Oct-2003, OPERATOR Nabors Drilling Limited, RIG MANAGER Joe Golden, PROVINCE Quebec, RIG SAFETY DAYS: 226.00

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No. SF-18, Well #2694C, DATE 23-Oct-2003, OPERATOR Nabors Drilling Limited, RIG MANAGER Joe Golden, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 226.00

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (First Tour)

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (First Tour), CREW, SOC. INS. NO., NAME, HRS, INJURIES

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (Second Tour), CREW, SOC. INS. NO., NAME, HRS, INJURIES

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (Second Tour)

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (Second Tour), CREW, SOC. INS. NO., NAME, HRS, INJURIES

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS (Second Tour), CREW, SOC. INS. NO., NAME, HRS, INJURIES



Based on the CAODC ETS file standard

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| SPUD: LICENCE NO. OPERATOR: SURFACE LOCATION: SIGNATURE OF OPERATORS REPRESENTATIVE: | | | | RIG RELEASE: WELL NAME AND NO.: CONTRACTOR: UNIQUE ID: SIGNATURE OF CONTRACTORS REPRESENTATIVE: | | | | JOB NO. 2694C AFE | | | | DAILY CHECKS: (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly during checkout (3) ISO Rig Safety Pre-start Inspection (4) Well Location & Stock Diagram Posted (5) Flow Line Staked (6) BOP Drive Performed (7) Visually Inspect BOP's Flareless & Degasser Lines (8) C.A.O.D.C. Rig Safety Inspection Checklist (during/after) (9) Assess Inspection Before Resuming or Lowering (10) Crown Riser Checked (11) Main I/BK Checked | | | | DATE: 25-Oct-2003 LAST CASING TUBING OR LINER: 9ETD FUEL @ 8:00: 244.5 220.5 69.90 RIG: 142 BOILER | | | | O.D. (mm): 339.7 3315.3 101.20 C.A.S.I.N.G.: 244.5 220.5 69.90 GRADE: K55 L80 123 NO. OF JOINTS: 22 1671.52 7.48 1679.00 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | | M.H.D. (mm): 50.00 RIG ID (mm): 142 GRADE: K55 L80 123 NO. OF JOINTS: 22 TOTAL LBS: 301.52 7.48 1679.00 | | | |
| WELLS TYPE: RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV.: | | WELLS NAME & No.: SF-18 | | DATE: 25-Oct-2003 | | OPERATOR: Joe Golden | | CONTRACTOR: Nabors Drilling Limited | | RIG NO.: 9ETD | | RIG SAFETY DAYS: 228.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RIG MANAGER: Joe Golden | | CAMP: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | PROVINCE: Quebec | | FIRST TOUR: 0:00 TO 12:00 | | CREW: Garry Dale, Pat St onge, Marc Lyonnais, Robin Pelletier, Pete St onge, Dan Pelletier, Michel Nault | | INJURIES: | | SECOND TOUR: 12:00 TO 24:00 | | CREW: Brent Kramps, Donald Bergeron, Marco Lepage, Rejean Larochelle, Sebastien Cote, Maxime Jacques | | INJURIES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME - HRS: DAY, EVE, TOTAL | | | | BIT RECORD: 1 UDI PDC, 1 Motor, 1 Float, 2 WF Float, 5 MWD tools, 2 Jars, 1 NM Flex pony, 1 NM x/o, 3 38kg DP, 2 Repeater, 36 38kg DP, 57 WF Float, 6 | | | | MUD RECORD: MUD TYPE, WATER BASED, OIL BASED, DENSITY, PH, MUD MATERIAL ADDED, SOLIDS CONTROL | | | | METERS DRILLED: FROM, TO, ROTARY, WT ON BIT, FROM, TO, EXP. TIME, LBS | | | | TIME LOG: DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVIATION SURVEY: DEPTH (m), DEVIATION (ft), DIRECTION | | | | HOLE CONDITION: HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m) | | | | SOLIDS CONTROL: CENTRIFUGE #1, CENTRIFUGE #2 | | | | DEVIATION SURVEY: DEPTH (m), DEVIATION (ft), DIRECTION | | | | HOLE CONDITION: HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m) | | | | SOLIDS CONTROL: CENTRIFUGE #1, CENTRIFUGE #2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KILLYDOWN: TOTAL, WELLS OFF LOG, WELLS OFF BOP | | | | DRILLER SIGNATURE: Garry Dale | | | | RATE SCHEDULE: REGULAR, REPAIR, INVERT | | | | DRIVER A, CREW SAFETY DAYS, DRIVER B | | | | DRIVER A, CREW SAFETY DAYS, DRIVER B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KILLYDOWN: TOTAL, WELLS OFF LOG, WELLS OFF BOP | | | | DRILLER SIGNATURE: Brent Kramps | | | | RATE SCHEDULE: REGULAR, REPAIR, INVERT | | | | DRIVER A, CREW SAFETY DAYS, DRIVER B | | | | DRIVER A, CREW SAFETY DAYS, DRIVER B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FIRST TOUR SECOND TOUR



Based on the CAODC ETS file standard

| SPUD | | | | RIG RELEASE | | | | JOB NO. 2694C | | | | AFE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LICENCE NO. | | | | WELL NAME AND NO. SF-18 | | | | OPERATOR | | | | CONTRACTOR Nabors Drilling Limited | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SURFACE LOCATION Saint Flavien | | | | UNIQUE ID: | | | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DAILY CHECKS</p> <p>(1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (using checklists) (3) H2S Signs Periodic (if required) (4) Well Layout & Block Diagram Posted (5) Plans Line Staked (6) BOP Drill Performed (7) Visually Inspect BOP's Flarelines & Degasser Lines (8) Visually Inspect BOP's Flarelines & Degasser Lines (9) C.A.U.D.C. Rig Safety Inspection Checklist (see/attach) (10) Meet Inspection Station, Training or Learning (11) Green Saver Checked</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE 26-Oct-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | I.D. (mm) | | WEIGHT (kg/m) | | GRADE | | NO. OF JOINTS | | TOTAL LOG LENGTH (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| RIG 110 BOILER | | | | 244.5 | | 220.5 | | 69.90 | | CANTAK | | L80 | | 123 1671.52 7.48 1679.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE | | BOCOP SIZE (mm) | | LINEAR MASS (kg/m) | | GRIND | | MIN. ID (mm) | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENT CONDITION | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIND DIRECTION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROAD | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RENTALS/SERVICES</p> <p>WELL TYPE: RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO KB TO GROUND ELEV. DATE: 26-Oct-2003</p> <p>OPERATOR: Nabors Drilling Limited CONTRACTOR: Nabors Drilling Limited</p> <p>RIG MANAGER: Joe Golden RIG NO.: 9ETD</p> <p>PROVINCE: Quebec CAMP: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO RIG SAFETY DAYS: 229.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TIME LOG</p> <table border="1"> <thead> <tr> <th>TIME - HRS</th> <th>DATE</th> <th>FROM</th> <th>TO</th> <th>ACTUAL</th> <th>PLANNED</th> <th>REASON</th> </tr> </thead> <tbody> <tr> <td>DAY</td> <td>11:00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EVE</td> <td>11:25</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>22:25</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | TIME - HRS | DATE | FROM | TO | ACTUAL | PLANNED | REASON | DAY | 11:00 | | | | | | EVE | 11:25 | | | | | | TOTAL | 22:25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME - HRS | DATE | FROM | TO | ACTUAL | PLANNED | REASON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | 11:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | 11:25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>BIT RECORD</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>BIT</th> <th>LENGTH</th> <th>BIT NO.</th> <th>SIZE</th> <th>MUD TYPE</th> <th>TIME</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UDI PDC</td> <td>216</td> <td>0.25</td> <td>24</td> <td>WATER BASED</td> <td>02:00</td> <td>06:00</td> </tr> <tr> <td>1</td> <td>Motor</td> <td>170</td> <td>7.67</td> <td>216</td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>1</td> <td>Float</td> <td>159</td> <td>0.59</td> <td></td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>2</td> <td>WF Float</td> <td>164</td> <td>1.58</td> <td>SMITH</td> <td></td> <td>36</td> <td>42</td> </tr> <tr> <td>5</td> <td>MWD tools</td> <td>167</td> <td>14.54</td> <td>MA32BPX</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>NM Flex pony</td> <td>163</td> <td>17.77</td> <td>JS6560</td> <td></td> <td>9.0</td> <td>9.0</td> </tr> <tr> <td>1</td> <td>Jars</td> <td>165</td> <td>6.41</td> <td></td> <td></td> <td>72.3</td> <td>77.5</td> </tr> <tr> <td>1</td> <td>NM Flex pony</td> <td>157</td> <td>3.29</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NM x/o</td> <td>166</td> <td>0.73</td> <td></td> <td></td> <td>1747.00</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>127</td> <td>27.93</td> <td></td> <td></td> <td>95.00</td> <td></td> </tr> <tr> <td>9</td> <td>38kg DP</td> <td>127</td> <td>85.73</td> <td></td> <td></td> <td>12.00</td> <td>1060 1005 2100</td> </tr> <tr> <td>1</td> <td>Repeater</td> <td>127</td> <td>9.28</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Repeater</td> <td>165</td> <td>1.70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td>38kg DP</td> <td>127</td> <td>343.86</td> <td></td> <td></td> <td>6.00</td> <td>1060 1045 1850</td> </tr> <tr> <td>57</td> <td>WFO (MWD)</td> <td>127</td> <td>533.02</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>WF Float</td> <td>171</td> <td>1.07</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>127</td> <td>55.83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"> <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. 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Extra hour for time change.</p> </td> </tr> <tr> <td colspan="16"> <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Garry Dale CREW SAFETY DAYS: 99.00 DRIVER B: SCBA 9617</p> </td> </tr> <tr> <td colspan="16"> <p>BIT RECORD</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>BIT</th> <th>LENGTH</th> <th>BIT NO.</th> <th>SIZE</th> <th>MUD TYPE</th> <th>TIME</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UDI PDC</td> <td>216</td> <td>0.25</td> <td>24</td> <td>WATER BASED</td> <td>14:00</td> <td>18:00</td> </tr> <tr> <td>1</td> <td>Motor</td> <td>170</td> <td>7.67</td> <td>216</td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>1</td> <td>Float</td> <td>159</td> <td>0.59</td> <td></td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>2</td> <td>WF Float</td> <td>164</td> <td>1.58</td> <td>SMITH</td> <td></td> <td>37</td> <td>36</td> </tr> <tr> <td>5</td> <td>MWD tools</td> <td>167</td> <td>14.54</td> <td>MA32BPX</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>NM Flex pony</td> <td>163</td> <td>17.77</td> <td>JS6560</td> <td></td> <td>8.5</td> <td>8.5</td> </tr> <tr> <td>1</td> <td>Jars</td> <td>165</td> <td>6.41</td> <td></td> <td></td> <td>86.3</td> <td>88.7</td> </tr> <tr> <td>1</td> <td>NM Flex pony</td> <td>157</td> <td>3.29</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NM x/o</td> <td>166</td> <td>0.73</td> <td></td> <td></td> <td>1747.00</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>127</td> <td>27.93</td> <td></td> <td></td> <td>136.00</td> <td></td> </tr> <tr> <td>9</td> <td>38kg DP</td> <td>127</td> <td>85.73</td> <td></td> <td></td> <td>12.00</td> <td>1055 1050 1930</td> </tr> <tr> <td>1</td> <td>Repeater</td> <td>127</td> <td>9.28</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Repeater</td> <td>165</td> <td>1.70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td>38kg DP</td> <td>127</td> <td>343.86</td> <td></td> <td></td> <td>12.00</td> <td>1055 1045 1890</td> </tr> <tr> <td>57</td> <td>WFO (MWD)</td> <td>127</td> <td>533.02</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>WF Float</td> <td>171</td> <td>1.07</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>127</td> <td>55.83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"> <p>WELL LOG</p> <p>WT. 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VERIFIER LA CONDITION DU CABLE POUR LA DESCENTE D'URGENCE ET LE SIEGE</p> </td> </tr> <tr> <td colspan="16"> <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Brent Kramps CREW SAFETY DAYS: 105.00 DRIVER B: CLEANING A LEGS 9617</p> </td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 02:00 | 06:00 | 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | 2 | WF Float | 164 | 1.58 | SMITH | | 36 | 42 | 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 9.0 | 9.0 | 1 | Jars | 165 | 6.41 | | | 72.3 | 77.5 | 1 | NM Flex pony | 157 | 3.29 | | | | | 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | 3 | | 127 | 27.93 | | | 95.00 | | 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1060 1005 2100 | 1 | Repeater | 127 | 9.28 | | | | | 2 | Repeater | 165 | 1.70 | | | | | 36 | 38kg DP | 127 | 343.86 | | | 6.00 | 1060 1045 1850 | 57 | WFO (MWD) | 127 | 533.02 | | | | | 1 | WF Float | 171 | 1.07 | | | | | 6 | | 127 | 55.83 | | | | | <p>WELL LOG</p> <p>WT. 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OF STRING: 82.00</p> | | | | | | | | <p>METERS DRILLED</p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LOG</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1809.00</td> <td>1842.00</td> <td>D 25 14</td> <td>0:00 3:00 3:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:00 3:15 0:25 7</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:15 3:30 0:25 8</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:30 11:30 8:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>11:30 12:00 0:50 10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FROM | TO | LOG | REMARKS | 1809.00 | 1842.00 | D 25 14 | 0:00 3:00 3:00 2 | | | | 3:00 3:15 0:25 7 | | | | 3:15 3:30 0:25 8 | | | | 3:30 11:30 8:00 2 | | | | 11:30 12:00 0:50 10 | <p>DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</p> <p>Directional drill 216mm hole underbalanced F/1809m - 1821m.</p> <p>RIG SERVICE FUNCTION ANNULAR 22 SEC</p> <p>Tighten torque boost bolts.</p> <p>Directional drill 216mm hole underbalanced F/1821m - 1842 m</p> <p>Accum. surveys with MWD.</p> | | | | | | | | | | | | | | | | <p>DEVIATION SURVEY</p> <table border="1"> <thead> <tr> <th>DEPTH (m)</th> <th>DEVIATION (s)</th> <th>DIRECTION</th> </tr> </thead> <tbody> <tr> <td>1793.97</td> <td>82.4</td> <td>310.20</td> </tr> <tr> <td>1803.00</td> <td>82.6</td> <td>308.60</td> </tr> <tr> <td>1812.88</td> <td>82.8</td> <td>306.90</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | DEPTH (m) | DEVIATION (s) | DIRECTION | 1793.97 | 82.4 | 310.20 | 1803.00 | 82.6 | 308.60 | 1812.88 | 82.8 | 306.90 | <p>NOTES</p> <p>Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver GD. Crew meeting on SCBA's. Each person inspecting and putting on a pack. Extra hour for time change.</p> | | | | | | | | | | | | | | | | <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Garry Dale CREW SAFETY DAYS: 99.00 DRIVER B: SCBA 9617</p> | | | | | | | | | | | | | | | | <p>BIT RECORD</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>BIT</th> <th>LENGTH</th> <th>BIT NO.</th> <th>SIZE</th> <th>MUD TYPE</th> <th>TIME</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UDI PDC</td> <td>216</td> <td>0.25</td> <td>24</td> <td>WATER BASED</td> <td>14:00</td> <td>18:00</td> </tr> <tr> <td>1</td> <td>Motor</td> <td>170</td> <td>7.67</td> <td>216</td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>1</td> <td>Float</td> <td>159</td> <td>0.59</td> <td></td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>2</td> <td>WF Float</td> <td>164</td> <td>1.58</td> <td>SMITH</td> <td></td> <td>37</td> <td>36</td> </tr> <tr> <td>5</td> <td>MWD tools</td> <td>167</td> <td>14.54</td> <td>MA32BPX</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>NM Flex pony</td> <td>163</td> <td>17.77</td> <td>JS6560</td> <td></td> <td>8.5</td> <td>8.5</td> </tr> <tr> <td>1</td> <td>Jars</td> <td>165</td> <td>6.41</td> <td></td> <td></td> <td>86.3</td> <td>88.7</td> </tr> <tr> <td>1</td> <td>NM Flex pony</td> <td>157</td> <td>3.29</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NM x/o</td> <td>166</td> <td>0.73</td> <td></td> <td></td> <td>1747.00</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>127</td> <td>27.93</td> <td></td> <td></td> <td>136.00</td> <td></td> </tr> <tr> <td>9</td> <td>38kg DP</td> <td>127</td> <td>85.73</td> <td></td> <td></td> <td>12.00</td> <td>1055 1050 1930</td> </tr> <tr> <td>1</td> <td>Repeater</td> <td>127</td> <td>9.28</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Repeater</td> <td>165</td> <td>1.70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td>38kg DP</td> <td>127</td> <td>343.86</td> <td></td> <td></td> <td>12.00</td> <td>1055 1045 1890</td> </tr> <tr> <td>57</td> <td>WFO (MWD)</td> <td>127</td> <td>533.02</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>WF Float</td> <td>171</td> <td>1.07</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>127</td> <td>55.83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"> <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> </td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 14:00 | 18:00 | 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | 2 | WF Float | 164 | 1.58 | SMITH | | 37 | 36 | 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 8.5 | 8.5 | 1 | Jars | 165 | 6.41 | | | 86.3 | 88.7 | 1 | NM Flex pony | 157 | 3.29 | | | | | 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | 3 | | 127 | 27.93 | | | 136.00 | | 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1055 1050 1930 | 1 | Repeater | 127 | 9.28 | | | | | 2 | Repeater | 165 | 1.70 | | | | | 36 | 38kg DP | 127 | 343.86 | | | 12.00 | 1055 1045 1890 | 57 | WFO (MWD) | 127 | 533.02 | | | | | 1 | WF Float | 171 | 1.07 | | | | | 6 | | 127 | 55.83 | | | | | <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | <p>METERS DRILLED</p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LOG</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1842.00</td> <td>1883.00</td> <td>D 25 14</td> <td>12:00 13:15 1:25 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>13:15 13:30 0:25 7</td> </tr> <tr> <td></td> <td></td> <td></td> <td>13:30 23:30 10:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>23:30 24:00 0:50 10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FROM | TO | LOG | REMARKS | 1842.00 | 1883.00 | D 25 14 | 12:00 13:15 1:25 2 | | | | 13:15 13:30 0:25 7 | | | | 13:30 23:30 10:00 2 | | | | 23:30 24:00 0:50 10 | <p>DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</p> <p>DRILL 216 mm HOLE UNDER BALANCED DIRECTIONAL FROM 1842 m - 1849 m</p> <p>RIG SERVICE FUNCTION TOP AND BTM PIPE RAMS 6 SEC EACH</p> <p>DRILL F / 1849 m - 1883m</p> <p>ACCUMULATED SURVEYS (MWD)</p> | | | | | | | | | | | | | | | | <p>DEVIATION SURVEY</p> <table border="1"> <thead> <tr> <th>DEPTH (m)</th> <th>DEVIATION (s)</th> <th>DIRECTION</th> </tr> </thead> <tbody> <tr> <td>1841.22</td> <td>81.1</td> <td>304.00</td> </tr> <tr> <td>1850.65</td> <td>81.1</td> <td>303.90</td> </tr> <tr> <td>1860.13</td> <td>81.5</td> <td>304.10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | DEPTH (m) | DEVIATION (s) | DIRECTION | 1841.22 | 81.1 | 304.00 | 1850.65 | 81.1 | 303.90 | 1860.13 | 81.5 | 304.10 | <p>NOTES</p> <p>CHECK CROWN SAVER, BRAKES AND LINKAGE. INSIDE BOP, STABBING VALVE, X/O AND WRENCH CHECK BOPS, MANIFOLD VALVES AND DEGASSER LINES. VERIFIER LA CONDITION DU CABLE POUR LA DESCENTE D'URGENCE ET LE SIEGE</p> | | | | | | | | | | | | | | | | <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Brent Kramps CREW SAFETY DAYS: 105.00 DRIVER B: CLEANING A LEGS 9617</p> | | | | | | | | | | | | | | | |
| NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 02:00 | 06:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | WF Float | 164 | 1.58 | SMITH | | 36 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 9.0 | 9.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | 72.3 | 77.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex pony | 157 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 127 | 27.93 | | | 95.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1060 1005 2100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 127 | 9.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Repeater | 165 | 1.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 38kg DP | 127 | 343.86 | | | 6.00 | 1060 1045 1850 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | WFO (MWD) | 127 | 533.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | WF Float | 171 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 127 | 55.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>BIT RECORD</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>BIT</th> <th>LENGTH</th> <th>BIT NO.</th> <th>SIZE</th> <th>MUD TYPE</th> <th>TIME</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UDI PDC</td> <td>216</td> <td>0.25</td> <td>24</td> <td>WATER BASED</td> <td>14:00</td> <td>18:00</td> </tr> <tr> <td>1</td> <td>Motor</td> <td>170</td> <td>7.67</td> <td>216</td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>1</td> <td>Float</td> <td>159</td> <td>0.59</td> <td></td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>2</td> <td>WF Float</td> <td>164</td> <td>1.58</td> <td>SMITH</td> <td></td> <td>37</td> <td>36</td> </tr> <tr> <td>5</td> <td>MWD tools</td> <td>167</td> <td>14.54</td> <td>MA32BPX</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>NM Flex pony</td> <td>163</td> <td>17.77</td> <td>JS6560</td> <td></td> <td>8.5</td> <td>8.5</td> </tr> <tr> <td>1</td> <td>Jars</td> <td>165</td> <td>6.41</td> <td></td> <td></td> <td>86.3</td> <td>88.7</td> </tr> <tr> <td>1</td> <td>NM Flex pony</td> <td>157</td> <td>3.29</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NM x/o</td> <td>166</td> <td>0.73</td> <td></td> <td></td> <td>1747.00</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>127</td> <td>27.93</td> <td></td> <td></td> <td>136.00</td> <td></td> </tr> <tr> <td>9</td> <td>38kg DP</td> <td>127</td> <td>85.73</td> <td></td> <td></td> <td>12.00</td> <td>1055 1050 1930</td> </tr> <tr> <td>1</td> <td>Repeater</td> <td>127</td> <td>9.28</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Repeater</td> <td>165</td> <td>1.70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td>38kg DP</td> <td>127</td> <td>343.86</td> <td></td> <td></td> <td>12.00</td> <td>1055 1045 1890</td> </tr> <tr> <td>57</td> <td>WFO (MWD)</td> <td>127</td> <td>533.02</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>WF Float</td> <td>171</td> <td>1.07</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>127</td> <td>55.83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"> <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> </td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 14:00 | 18:00 | 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | 2 | WF Float | 164 | 1.58 | SMITH | | 37 | 36 | 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 8.5 | 8.5 | 1 | Jars | 165 | 6.41 | | | 86.3 | 88.7 | 1 | NM Flex pony | 157 | 3.29 | | | | | 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | 3 | | 127 | 27.93 | | | 136.00 | | 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1055 1050 1930 | 1 | Repeater | 127 | 9.28 | | | | | 2 | Repeater | 165 | 1.70 | | | | | 36 | 38kg DP | 127 | 343.86 | | | 12.00 | 1055 1045 1890 | 57 | WFO (MWD) | 127 | 533.02 | | | | | 1 | WF Float | 171 | 1.07 | | | | | 6 | | 127 | 55.83 | | | | | <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 14:00 | 18:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | WF Float | 164 | 1.58 | SMITH | | 37 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 8.5 | 8.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | 86.3 | 88.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex pony | 157 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 127 | 27.93 | | | 136.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1055 1050 1930 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 127 | 9.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Repeater | 165 | 1.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 38kg DP | 127 | 343.86 | | | 12.00 | 1055 1045 1890 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | WFO (MWD) | 127 | 533.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | WF Float | 171 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 127 | 55.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METERS DRILLED</p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LOG</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1809.00</td> <td>1842.00</td> <td>D 25 14</td> <td>0:00 3:00 3:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:00 3:15 0:25 7</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:15 3:30 0:25 8</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3:30 11:30 8:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>11:30 12:00 0:50 10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FROM | TO | LOG | REMARKS | 1809.00 | 1842.00 | D 25 14 | 0:00 3:00 3:00 2 | | | | 3:00 3:15 0:25 7 | | | | 3:15 3:30 0:25 8 | | | | 3:30 11:30 8:00 2 | | | | 11:30 12:00 0:50 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FROM | TO | LOG | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</p> <p>Directional drill 216mm hole underbalanced F/1809m - 1821m.</p> <p>RIG SERVICE FUNCTION ANNULAR 22 SEC</p> <p>Tighten torque boost bolts.</p> <p>Directional drill 216mm hole underbalanced F/1821m - 1842 m</p> <p>Accum. surveys with MWD.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVIATION SURVEY</p> <table border="1"> <thead> <tr> <th>DEPTH (m)</th> <th>DEVIATION (s)</th> <th>DIRECTION</th> </tr> </thead> <tbody> <tr> <td>1793.97</td> <td>82.4</td> <td>310.20</td> </tr> <tr> <td>1803.00</td> <td>82.6</td> <td>308.60</td> </tr> <tr> <td>1812.88</td> <td>82.8</td> <td>306.90</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | DEPTH (m) | DEVIATION (s) | DIRECTION | 1793.97 | 82.4 | 310.20 | 1803.00 | 82.6 | 308.60 | 1812.88 | 82.8 | 306.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEPTH (m) | DEVIATION (s) | DIRECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1793.97 | 82.4 | 310.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803.00 | 82.6 | 308.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1812.88 | 82.8 | 306.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NOTES</p> <p>Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver GD. Crew meeting on SCBA's. Each person inspecting and putting on a pack. Extra hour for time change.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Garry Dale CREW SAFETY DAYS: 99.00 DRIVER B: SCBA 9617</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>BIT RECORD</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>BIT</th> <th>LENGTH</th> <th>BIT NO.</th> <th>SIZE</th> <th>MUD TYPE</th> <th>TIME</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>UDI PDC</td> <td>216</td> <td>0.25</td> <td>24</td> <td>WATER BASED</td> <td>14:00</td> <td>18:00</td> </tr> <tr> <td>1</td> <td>Motor</td> <td>170</td> <td>7.67</td> <td>216</td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>1</td> <td>Float</td> <td>159</td> <td>0.59</td> <td></td> <td></td> <td>10:55</td> <td>10:55</td> </tr> <tr> <td>2</td> <td>WF Float</td> <td>164</td> <td>1.58</td> <td>SMITH</td> <td></td> <td>37</td> <td>36</td> </tr> <tr> <td>5</td> <td>MWD tools</td> <td>167</td> <td>14.54</td> <td>MA32BPX</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>NM Flex pony</td> <td>163</td> <td>17.77</td> <td>JS6560</td> <td></td> <td>8.5</td> <td>8.5</td> </tr> <tr> <td>1</td> <td>Jars</td> <td>165</td> <td>6.41</td> <td></td> <td></td> <td>86.3</td> <td>88.7</td> </tr> <tr> <td>1</td> <td>NM Flex pony</td> <td>157</td> <td>3.29</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>NM x/o</td> <td>166</td> <td>0.73</td> <td></td> <td></td> <td>1747.00</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>127</td> <td>27.93</td> <td></td> <td></td> <td>136.00</td> <td></td> </tr> <tr> <td>9</td> <td>38kg DP</td> <td>127</td> <td>85.73</td> <td></td> <td></td> <td>12.00</td> <td>1055 1050 1930</td> </tr> <tr> <td>1</td> <td>Repeater</td> <td>127</td> <td>9.28</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Repeater</td> <td>165</td> <td>1.70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td>38kg DP</td> <td>127</td> <td>343.86</td> <td></td> <td></td> <td>12.00</td> <td>1055 1045 1890</td> </tr> <tr> <td>57</td> <td>WFO (MWD)</td> <td>127</td> <td>533.02</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>WF Float</td> <td>171</td> <td>1.07</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>127</td> <td>55.83</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8"> <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> </td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 14:00 | 18:00 | 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | 2 | WF Float | 164 | 1.58 | SMITH | | 37 | 36 | 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 8.5 | 8.5 | 1 | Jars | 165 | 6.41 | | | 86.3 | 88.7 | 1 | NM Flex pony | 157 | 3.29 | | | | | 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | 3 | | 127 | 27.93 | | | 136.00 | | 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1055 1050 1930 | 1 | Repeater | 127 | 9.28 | | | | | 2 | Repeater | 165 | 1.70 | | | | | 36 | 38kg DP | 127 | 343.86 | | | 12.00 | 1055 1045 1890 | 57 | WFO (MWD) | 127 | 533.02 | | | | | 1 | WF Float | 171 | 1.07 | | | | | 6 | | 127 | 55.83 | | | | | <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | BIT | LENGTH | BIT NO. | SIZE | MUD TYPE | TIME | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | UDI PDC | 216 | 0.25 | 24 | WATER BASED | 14:00 | 18:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 170 | 7.67 | 216 | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Float | 159 | 0.59 | | | 10:55 | 10:55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | WF Float | 164 | 1.58 | SMITH | | 37 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MWD tools | 167 | 14.54 | MA32BPX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | NM Flex pony | 163 | 17.77 | JS6560 | | 8.5 | 8.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | 86.3 | 88.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex pony | 157 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM x/o | 166 | 0.73 | | | 1747.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 127 | 27.93 | | | 136.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 38kg DP | 127 | 85.73 | | | 12.00 | 1055 1050 1930 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 127 | 9.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Repeater | 165 | 1.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 38kg DP | 127 | 343.86 | | | 12.00 | 1055 1045 1890 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | WFO (MWD) | 127 | 533.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | WF Float | 171 | 1.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 127 | 55.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>WELL LOG</p> <p>WT. OF DC: 53.00</p> <p>WT. OF STRING: 82.00</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METERS DRILLED</p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LOG</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1842.00</td> <td>1883.00</td> <td>D 25 14</td> <td>12:00 13:15 1:25 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>13:15 13:30 0:25 7</td> </tr> <tr> <td></td> <td></td> <td></td> <td>13:30 23:30 10:00 2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>23:30 24:00 0:50 10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FROM | TO | LOG | REMARKS | 1842.00 | 1883.00 | D 25 14 | 12:00 13:15 1:25 2 | | | | 13:15 13:30 0:25 7 | | | | 13:30 23:30 10:00 2 | | | | 23:30 24:00 0:50 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FROM | TO | LOG | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1842.00 | 1883.00 | D 25 14 | 12:00 13:15 1:25 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 13:15 13:30 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</p> <p>DRILL 216 mm HOLE UNDER BALANCED DIRECTIONAL FROM 1842 m - 1849 m</p> <p>RIG SERVICE FUNCTION TOP AND BTM PIPE RAMS 6 SEC EACH</p> <p>DRILL F / 1849 m - 1883m</p> <p>ACCUMULATED SURVEYS (MWD)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVIATION SURVEY</p> <table border="1"> <thead> <tr> <th>DEPTH (m)</th> <th>DEVIATION (s)</th> <th>DIRECTION</th> </tr> </thead> <tbody> <tr> <td>1841.22</td> <td>81.1</td> <td>304.00</td> </tr> <tr> <td>1850.65</td> <td>81.1</td> <td>303.90</td> </tr> <tr> <td>1860.13</td> <td>81.5</td> <td>304.10</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | DEPTH (m) | DEVIATION (s) | DIRECTION | 1841.22 | 81.1 | 304.00 | 1850.65 | 81.1 | 303.90 | 1860.13 | 81.5 | 304.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEPTH (m) | DEVIATION (s) | DIRECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1841.22 | 81.1 | 304.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1850.65 | 81.1 | 303.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1860.13 | 81.5 | 304.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NOTES</p> <p>CHECK CROWN SAVER, BRAKES AND LINKAGE. INSIDE BOP, STABBING VALVE, X/O AND WRENCH CHECK BOPS, MANIFOLD VALVES AND DEGASSER LINES. VERIFIER LA CONDITION DU CABLE POUR LA DESCENTE D'URGENCE ET LE SIEGE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RATE SCHEDULE</p> <p>REGULAR <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/> INVERT <input type="checkbox"/></p> <p>DRIVER A: Brent Kramps CREW SAFETY DAYS: 105.00 DRIVER B: CLEANING A LEGS 9617</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|--------------------------------|--|---|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR | UNIQUE ID: | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | |
| SURFACE LOCATION Saint Flavian | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | |

| | | | | | | | | | | |
|-----------------------|----------------------------------|----------------------|----------------------------|------------------|--------------------|--------------------------|------------------|-------------------------|----------------------------------|-----------------------|
| DATE 27-Oct-2003 | LAST CASING TUBING OR LINER 9ETD | O.D. (mm) 339.7 | W.H.L. (mm) 3315.3 | W.P. (mm) 101.20 | MARK Loadstar | GRADE K55 | NO. OF JOISTS 22 | TOTAL DR. LENGTH 301.52 | KB TO CSG HEAD (m) 7.48 | SET AT (m) 309.00 |
| FUEL @ 8:00 75 BOILER | TEMPERATURE 127.00 | DROP SIZE (mm) 29.00 | LINE AD MASS (kg/m) 174.00 | GRADE DC | W.P. ID (mm) 74.00 | TOOL JT O.D. (mm) 172.00 | THREAD TYPE 5H90 | NO. OF JOISTS 33 | PUMP MANUFACTURER Gardner Denver | STROKE (Ltr./min) 203 |
| WIND DIRECTION ROAD | 171.00 | 174.00 | DC | 74.00 | 228.00 | 7H90 | 3 | Gardner Denver 203 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------|------|------|------|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TIME - HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| DRILLER | 10:25 | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | |
| W.P. | 2.50 | 9.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 18.50 | 2.75 | 9.25 | 0.25 | | | | | | | | | | | | | | | | | | | | |

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|-------------------------|---------------------------------|-----------------------------------|---------------------------|
| BIT RECORD | | MUD RECORD | |
| 1 UDI PDC 216 0.25 | BIT NO. 24 | MUD TYPE WATER BASED | OIL BASED |
| 1 Motor 170 7.67 | SIZE 216 | TIME 02:00 | 06:00 10:00 |
| 1 Float 159 0.59 | MWD CODE | DENSITY (kg/m ³) 1055 | 1060 1060 |
| 2 WF Float 164 1.58 | MFG. SMITH | FURNEL VIB. (Ltr.) 36 | 36 36 36 |
| 5 MWD tools 167 14.54 | TYPE MAS2BPX | W.L. (cm/3) 8.5 | 9.0 8.5 |
| 2 163 17.77 | SERIAL NO. JS6560 | PVT 93.3 | 93.7 94.6 |
| 1 Jars 165 6.41 | DEPTH OUT (m) 1919.00 | MUD MATERIAL ADDED | |
| 1 NM Flex pony 157 3.29 | DEPTH IN (m) 1747.00 | PRODUCT zetag | AMOUNT x UNIT 3SX |
| 1 NM x/o 166 0.73 | TOTAL METERS DRILLED (m) 172.00 | envirofloc | 16SX 12.00 1060 1005 2100 |
| 3 127 27.93 | CUTTING STRUCTURE | lime | 4SX |
| 9 38kg DP 127 85.73 | HOLE DRAG 4up/5down rotating | caustic | 20SX |
| 1 127 9.28 | TORQUE AT BOTTOM 9000 ft/lbs | sodium sulfate | 36SX 12.00 1060 1050 1855 |
| 2 Repeater 165 1.70 | FILL ON BOTTOM (m) | H2O | 10CHEMBARREL |
| 36 38kg DP 127 343.86 | | xanvix | 12SX |
| 57 127 533.02 | | acidesulphamic | 15x |
| 1 WF Float 171 1.07 | | | |
| 6 127 55.83 | | | |
| 28 D.P. STAMPS | | | |
| 1 D.P. SINGLES 803.69 | | | |
| KELLYDOWN 4.06 | | | |
| TOTAL 1919.00 | | | |
| WT. OF DC 53.00 | | | |
| WT. OF STRING 82.00 | | | |

| | | | | | |
|--|---------------|----------------|---------|--|---|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM 1883.00 | TO 1919.00 | FROM 0:00 | TO 5:45 | Code No. 5.75 | 2 Directional drill 216mm hole underbalanced F/ 1883m - 1906m |
| | | | | 0.25 | 7 Rig Service. Function annular 22sec. |
| | | | | 0.25 | 22 CONDITION MUD AND CIRC. (WAIT ON ORDERS) |
| | | | | 4.50 | 2 CONTROL DRILL F / 1906 m - 1919 m |
| | | | | 0.25 | 10 ACCUMULATED SURVEYS |
| | | | | 0.25 | 5 CIRC PRIOR TO TRIP UP TO 1678 m SHUT DOWN N2 IN STAGES |
| CIRCULATION PRESSURE (KPa) 8000 | | | | | |
| REDUCED PUMP SPEED | | | | | |
| DEVIATION SURVEY | | | | | |
| DEPTH (m) | DEVIATION (d) | DIRECTION | | | |
| 1869.59 | 81.9 | 303.90 | | | |
| 1879.07 | 81.1 | 303.60 | | | |
| 1888.52 | 79.8 | 303.40 | | | |
| NOTES Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver. GD. | | | | | |
| DRILLER SIGNATURE Garry Dale | | BOILER #1 & #2 | | OPERATOR FUEL MAX EXP HOCKLOAD SAFETY TOPIC M.A.C.P. | |
| 0.00 | | 7.5 | | 98.00 Pressured lines 9617 | |

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|-------------------------|---------------------------------|-----------------------------------|---------------|
| BIT RECORD | | MUD RECORD | |
| 1 UDI PDC 216 0.25 | BIT NO. 24 | MUD TYPE WATER BASED | OIL BASED |
| 1 Motor 170 7.67 | SIZE 216 | TIME 14:30 | |
| 1 Float 159 0.59 | MWD CODE | DENSITY (kg/m ³) 1060 | |
| 2 WF Float 164 1.58 | MFG. SMITH | FURNEL VIB. (Ltr.) 36 | |
| 5 MWD tools 167 14.54 | TYPE MAS2BPX | W.L. (cm/3) 8.5 | |
| 2 163 17.77 | SERIAL NO. JS6560 | PVT 52.7 | |
| 1 Jars 165 6.41 | DEPTH OUT (m) 1919.00 | MUD MATERIAL ADDED | |
| 1 NM Flex pony 157 3.29 | DEPTH IN (m) 1747.00 | PRODUCT Centrifuge #1 | AMOUNT x UNIT |
| 1 NM x/o 166 0.73 | TOTAL METERS DRILLED (m) 172.00 | CausticSoda | 4 SX |
| 3 127 27.93 | CUTTING STRUCTURE | H2O | 2 CHEMBARREL |
| 9 38kg DP 127 85.73 | HOLE DRAG | | |
| 1 127 9.28 | TORQUE AT BOTTOM | | |
| 2 Repeater 165 1.70 | FILL ON BOTTOM (m) | | |
| 36 38kg DP 127 343.86 | | | |
| 57 127 533.02 | | | |
| 1 WF Float 171 1.07 | | | |
| 6 127 55.83 | | | |
| 28 D.P. STAMPS | | | |
| 1 D.P. SINGLES 803.69 | | | |
| KELLYDOWN 4.06 | | | |
| TOTAL 1919.00 | | | |
| WT. OF DC 53.00 | | | |
| WT. OF STRING 82.00 | | | |

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|---|---------------|----------------|----------|--|---|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM 1919.00 | TO | FROM 12:00 | TO 12:30 | Code No. 0.50 | 5 CIRC PRIOR TO TRIP SHUT N2 OFF |
| | | | | 0.50 | 6 TRIP OUT TO 1678 m SHOE |
| | | | | 0.50 | 6 TRIP INTO 1848 m |
| | | | | 0.50 | 5 WASH IN FROM 1848 m TO BTM |
| | | | | 1.50 | 5 CIRC AND WORK PIPE PRIOR TO TRIP OUT |
| | | | | 5.50 | 6 PURGE STRING HOIST PIPE. FLOW CHECKS @ 515M, O.O.H |
| | | | | 1.50 | 6 Handle B.H.A tools. Remove MWD & repeater. Break bit. |
| | | | | 0.25 | 7 Rig Service. Function blind, top & bottom pipe rams. 6sec each. |
| | | | | 1.25 | 6 Make up packer assembly. R.I.H with same. |
| CIRCULATION PRESSURE (KPa) 9500 | | | | | |
| REDUCED PUMP SPEED | | | | | |
| DEVIATION SURVEY | | | | | |
| DEPTH (m) | DEVIATION (d) | DIRECTION | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| NOTES CHECK CROWN SAVER BRAKES AND LINKAGE - Hole fill: calculated 12.12m ³ / measured 25.16m ³ / difference + 13.06m ³ . | | | | | |
| DRILLER SIGNATURE Brent Kramps | | BOILER #1 & #2 | | OPERATOR FUEL MAX EXP HOCKLOAD SAFETY TOPIC M.A.C.P. | |
| 0.00 | | 7.5 | | 110.00 TRIP 9617 | |

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|----------------------------------|-------------------|-----------------------|--------|--------------|--------------------|-------------------------|
| WELL TYPE SF-18 | | RE-ENTRY | YES | NO | KB TO GROUND ELEV. | DATE 27-Oct-2003 |
| OPERATOR Nabors Drilling Limited | | CONTRACTOR Joe Golden | | RIG NO. 9ETD | | RIG SAFETY DAYS: 230.00 |
| PROVINCE Quebec | | CAMP | | YES | NO | |
| FIRST TOUR 0:00 to 12:00 | | SOC. INS. NO. | | NAME | HRS | YES NO |
| Driller | Garry Dale | 12.00 | GD | | | |
| Derrickman | Pat St onge | 12.00 | PS | | | |
| Motorman | Marc Lyonnais | 12.00 | ML | | | |
| Floorman | Robin Pelletier | 12.00 | RP | | | |
| Floorman | Pete St onge | 12.00 | PS | | | |
| Rig Manager 2 | Dan Pelletier | 12.00 | DP | | | |
| RATE SCHEDULE REGULAR | | REPAIR | INVERT | | | |
| DRIVER A Garry Dale | | CREW SAFETY DAYS | | DRIVER B | | |
| SECOND TOUR 12:00 to 24:00 | | SOC. INS. NO. | | NAME | HRS | YES NO |
| Driller | Brent Kramps | 12.00 | BK | | | |
| Derrickman | Donald Bergeron | 12.00 | DB | | | |
| Motorman | Marco Lepage | 12.00 | ML | | | |
| Floorman | Rejean Larochelle | 12.00 | RL | | | |
| Floorman | Sebastien Cote | 12.00 | SC | | | |
| Leaseman | Maxime Jacques | 12.00 | MJ | | | |
| RATE SCHEDULE REGULAR | | REPAIR | INVERT | | | |
| DRIVER A Brent Kramps | | CREW SAFETY DAYS | | DRIVER B | | |



Based on the CAODC ETS file standard

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|--|--|-------------------|-----------------------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | DAILY CHECKS | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | DATE 28-Oct-2003 | LAST CASING TUBING OR LINER |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | DATE 9ETD | 339.7 |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | FUEL @ 8:00 145 | 3315.3 |
| | | TEMPERATURE | 101.20 |
| | | CURRENT CONDITION | Loadstar |
| | | WIND DIRECTION | K55 |
| | | ROAD | L80 |
| | | | 223 |
| | | | 1671.52 |
| | | | 7.48 |
| | | | 309.00 |

| | | | | | | | |
|------------|-------------------|------------|------------|----------------|----------|---|--------------------------|
| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | FIRST TOUR 0:00 TO 12:00 |
| | | | | | | | |

| NO. | BIT | O.D. (mm) | LENGTH | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | TIME | DENSITY | MUD MATERIAL ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | | FROM | TO | HRS | MIN | SEC | REMARKS | | |
|-----|--------|-----------|--------|---------|------------|----------|-------------|-----------|------|---------|--------------------|----------------|----------------------------|-----------|------------|-----------|------------|-----------|---------|-------|------|------|-----|---|---|-----------|
| | | | | | | | | | | | | | LINE | SIZE (mm) | LINE | SIZE (mm) | LINE | SIZE (mm) | | | | | | | LINE | SIZE (mm) |
| 1 | Packer | 208 | 4.49 | 4.49 | BIT NO. | | | | | | | | | | | | | | 1919.00 | 0:00 | 4:45 | 4:75 | 6 | | Con't R.L.H with packer. Fill pipe @ 1650m. | |
| 12 | HWDP | 127 | 114.31 | 114.31 | SIZE | | | | | | | | | | | | | | 4:45 | 5:30 | 0:75 | 22 | | Position packer @ 1793.65m. Inflate same. | | |
| 3 | HWDP | 127 | 28.03 | 28.03 | IADC CODE | | | | | | | | | | | | | | 5:30 | 7:15 | 1:75 | 22 | | Conduct pressure test. 11500kpa RELEASE PACKER | | |
| 2 | X/O | 164 | 1.48 | 1.48 | MFG. | | | | | | | | | | | | | | 7:15 | 12:00 | 4:75 | 22 | | TRIP IN TO 1852 m SET PACKER AND TEST 11500 KPA | | |
| 1 | Jars | 165 | 6.40 | 6.40 | TYPE | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.73 | 0.73 | SERIAL NO. | | | | | | | | | | | | | | | | | | | | | |
| 60 | HWDP | 127 | 560.82 | 560.82 | JETS | | | | | | | | | | | | | | | | | | | | | |

| NO. | BIT | O.D. (mm) | LENGTH | BIT NO. | SIZE | MUD TYPE | WATER BASED | OIL BASED | TIME | DENSITY | MUD MATERIAL ADDED | SOLIDS CONTROL | CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | | FROM | TO | HRS | MIN | SEC | REMARKS | | |
|-----|--------|-----------|--------|---------|------------|----------|-------------|-----------|------|---------|--------------------|----------------|----------------------------|-----------|------------|-----------|------------|-----------|---------|-------|-------|------|-----|--|--------------------------------------|-----------|
| | | | | | | | | | | | | | LINE | SIZE (mm) | LINE | SIZE (mm) | LINE | SIZE (mm) | | | | | | | LINE | SIZE (mm) |
| 1 | Packer | 208 | 4.49 | 4.49 | BIT NO. | | | | | | | | | | | | | | 1919.00 | 12:00 | 15:00 | 3:00 | 22 | | CONTINUE TO TEST FORMATION AT 1852 m | |
| 12 | HWDP | 127 | 114.31 | 114.31 | SIZE | | | | | | | | | | | | | | 15:00 | 15:30 | 0:50 | 22 | | RELEASE PACKER | | |
| 3 | HWDP | 127 | 28.03 | 28.03 | IADC CODE | | | | | | | | | | | | | | 15:30 | 16:15 | 0:75 | 6 | | TRIP INTO 1907 M | | |
| 2 | X/O | 164 | 1.48 | 1.48 | MFG. | | | | | | | | | | | | | | 16:15 | 17:15 | 1:00 | 22 | | ATTEMPT TO SET PACKER AT 1907 m TWO FAILURES | | |
| 1 | Jars | 165 | 6.40 | 6.40 | TYPE | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 164 | 0.73 | 0.73 | SERIAL NO. | | | | | | | | | | | | | | | | | | | | | |
| 60 | HWDP | 127 | 560.82 | 560.82 | JETS | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 28-Oct-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Joe Golden | RIG NO. | 9ETD |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 231.00 |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| DRIVER A | CREW SAFETY DAYS | DRIVER B |
|------------|------------------|----------|
| Garry Dale | 9617 | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Brent Kramps | 12.00 | BK | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |

| DRIVER A | CREW SAFETY DAYS | DRIVER B |
|--------------|------------------|----------|
| Brent Kramps | 9617 | |



Based on the CAODC ETS file standard

| | | | |
|---|--|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | |

| | | | | | | | | | | |
|------------------|-----------------------------|-----------------|--------|--------|----------|-----|-----|---------|------|---------|
| DATE 29-Oct-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG NO. 9ETD | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |

| | | | | | | | | | | | |
|-------------------|-------------|------------|-------------|-------|---------|-------------|-------------|---------------|----------------|-------------------|------------------|
| WEATHER | TEMPERATURE | BOFP PRESS | LINEAR MASS | GRADE | MIN. ID | TOOL JT O D | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE L/IN (mm) |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | PZ8 | | Gardner Denver | 203 | |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 | |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| COUL. NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----|----------------|-----------|-----------|---------|----------|-------------|-----------|------|-------|-------|-------|
| NO. | BIT | O.D. (mm) | DEPTH (m) | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | 02:00 | 06:00 | 10:00 |
| 1 | Packer | 208 | 4.73 | | | | | | | | |
| 12 | Use Pipe 33 by | 127 | 114.41 | | | | | | | | |
| 3 | HWDP | 127 | 28.03 | | | | | | | | |
| 2 | X/O | 164 | 1.48 | | | | | | | | |
| 1 | Jars | 165 | 6.40 | | | | | | | | |
| 1 | X/O | 164 | 0.73 | | | | | | | | |
| 60 | HWDP | 127 | 560.82 | | | | | | | | |

| | | | | |
|---------------|--------------|---------|---------------|----------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT | SOLIDS CONTROL |
| | | | | Centrifuge #1 |
| | | | | cent#2 |

| | | |
|-----------|---------------|-----------|
| DEPTH (m) | DEVIATION (g) | DIRECTION |
| | | |

| | | | | |
|------|-------|-----------|----------|---|
| FROM | TO | ELP. TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
| 0:00 | 1:00 | 1:00 | 22 | Break down packer. Lay out same. Pick up new packer, make up to run. |
| 1:00 | 4:30 | 3:50 | 6 | R.I.H with packer installing bearing prior to running HWDP. Fill pipe @ 1655m. |
| 4:30 | 5:30 | 1:00 | 6 | Con't R.I.H with packer to 1914m. Packer element is 2.3m back. |
| 5:30 | 5:45 | 0:25 | 5 | Circulate. |
| 5:45 | 9:15 | 3:50 | 22 | Set packer, drop ball & pump down to set same. |
| 9:15 | 12:00 | 2:45 | 22 | SET PACKER AND TEST AT 14000 KPA UNSEAT PACKER CIRC AND RELAX SAME PULL UP AND SET PACKER AT 1897 m TEST AT 10500 KPA |

| | | | | |
|------------------------|------------------------------------|-------------|----|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 29-Oct-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 232.00 |

| | | | | | |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| | | | |
|---------------|------------------|----------|--------|
| RATE SCHEDULE | REGULAR | REPAIR | INVERT |
| DRIVER A | CREW SAFETY DAYS | DRIVER B | |

| | | | | | | | | | | | | |
|-----|----------------|-----------|-----------|---------|----------|-------------|-----------|------|-------|-------|------|----|
| NO. | BIT | O.D. (mm) | DEPTH (m) | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | 12:00 | 14:15 | 2:25 | 22 |
| 1 | Packer | 208 | 4.73 | | | | | | | | | |
| 12 | Use Pipe 33 by | 127 | 114.41 | | | | | | | | | |
| 3 | HWDP | 127 | 28.03 | | | | | | | | | |
| 2 | X/O | 164 | 1.48 | | | | | | | | | |
| 1 | Jars | 165 | 6.40 | | | | | | | | | |
| 1 | X/O | 164 | 0.73 | | | | | | | | | |
| 60 | HWDP | 127 | 560.82 | | | | | | | | | |

| | | | | |
|---------------|--------------|---------|---------------|----------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT | SOLIDS CONTROL |
| | | | | Centrifuge #1 |
| | | | | cent#2 |

| | | |
|-----------|---------------|-----------|
| DEPTH (m) | DEVIATION (g) | DIRECTION |
| | | |

| | | | | |
|-------|-------|-----------|----------|--|
| FROM | TO | ELP. TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
| 12:00 | 14:15 | 2:25 | 22 | RELEASE PACKER AND PULL UP TO 1874 m ATTEMPT TEST AT 1874 m PACKER BLEW UP CIRC TO HOIST |
| 14:15 | 18:30 | 4:25 | 6 | HOIST FOR PACKER FLOW CHECK AT |
| 18:30 | 19:30 | 1:00 | 23 | REMOVE PACKER AND PICK UP NEW ONE |
| 19:30 | 21:45 | 2:25 | 6 | R.I.H with packer to 710m. Filling pipe every 10stds. |
| 21:45 | 22:30 | 0:45 | 9 | Slip & cut 13.92m. |
| 22:30 | 22:45 | 0:25 | 7 | Rig Service. Function annular 23sec. Top & bottom pipe rams 6sec. |
| 22:45 | 24:00 | 1:25 | 6 | Con't R.I.H with packer to 1230m. Fill pipe every 10stds. |

| | | | | |
|------------------------|------------------------------------|-------------|----|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 29-Oct-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 232.00 |

| | | | | | |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Brent Kramps | 12.00 | BK | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Motorman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |

| | | | |
|---------------|------------------|----------|--------|
| RATE SCHEDULE | REGULAR | REPAIR | INVERT |
| DRIVER A | CREW SAFETY DAYS | DRIVER B | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| SPUD RIG RELEASE JOB NO. 2694C AFE | | | | DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (Living on site) (3) H2S Signs Present (if required) (4) Well License & Data Diagram Present (5) Flare Line Staked (6) SOP Drills Performed (7) Visually Inspect BOP's, Flowlines & Degasser Lines (8) Rig Site Hazard and Safety Meeting (before work starts) (9) CA O.D.C. Rig Safety Inspection Checklist (ongoing/continuous) (10) Mast Inspection (before raising of Latching) (11) Crown Saver Checked (12) Motor Kill Checked | | | | OPEL R.M. DATE: 30-Oct-2003 LAST CASING TUBING OR LINER: 9ETD G.D. (mm): 339.7 M.I.D. (mm): 3315.3 RIG: 101.20 MAKE: Loadstar GRADE: K55 NO. OF JOINTS: 22 TOTAL BH (LENGTH): 301.52 KB TO GROUND HEAD (m): 7.48 SET AT (m): 309.00 | | | | FUEL @ 8:00 244.5 220.5 69.90 CANTAK L80 123 1671.52 7.48 1679.00 | | | | WEA TEMPERATURE: 127.00 CURRENT CONDITION: 29.00 WIND DIRECTION: 171.00 ROAD: 228.00 | | | | WEA DEPTH (mm): 127.00 LINEAR MASS (kg/m): 29.00 GRADE: E M.I.D. (mm): 85.00 TOOL LT O.D. (mm): 156.00 THREAD TYPE: 4/12f NO. OF JOINTS: 33 PUMP TYPE: PZB PUMP MANUFACTURER: Gardner Denver STROKE (L/S (mm)): 203 | | | | WEA DEPTH (mm): 127.00 LINEAR MASS (kg/m): 29.00 GRADE: E M.I.D. (mm): 85.00 TOOL LT O.D. (mm): 156.00 THREAD TYPE: 4/12f NO. OF JOINTS: 33 PUMP TYPE: PZB PUMP MANUFACTURER: Gardner Denver STROKE (L/S (mm)): 203 | | | | WEA DEPTH (mm): 127.00 LINEAR MASS (kg/m): 29.00 GRADE: E M.I.D. (mm): 85.00 TOOL LT O.D. (mm): 156.00 THREAD TYPE: 4/12f NO. OF JOINTS: 33 PUMP TYPE: PZB PUMP MANUFACTURER: Gardner Denver STROKE (L/S (mm)): 203 | | | | WEA DEPTH (mm): 127.00 LINEAR MASS (kg/m): 29.00 GRADE: E M.I.D. (mm): 85.00 TOOL LT O.D. (mm): 156.00 THREAD TYPE: 4/12f NO. OF JOINTS: 33 PUMP TYPE: PZB PUMP MANUFACTURER: Gardner Denver STROKE (L/S (mm)): 203 | | | |
| LICENCE NO. WELL NAME AND NO. SF-18 | | | | OPERATOR Intrigaz | | | | CONTRACTOR Nabors Drilling Limited | | | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | | | | | | | | | | | | | | | | | | |
| SURFACE LOCATION Saint Flavian | | | | UNIQUE ID: | | | | WELLS TYPE RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | KB TO GROUND ELEV. DATE: 30-Oct-2003 | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATOR Intrigaz | | | | CONTRACTOR Nabors Drilling Limited | | | | OPERATOR Intrigaz | | | | CONTRACTOR Nabors Drilling Limited | | | | | | | | | | | | | | | | | | | | | | | |
| RIG MANAGER Joe Golden | | | | RIG NO. 9ETD | | | | RIG MANAGER Joe Golden | | | | RIG NO. 9ETD | | | | | | | | | | | | | | | | | | | | | | | |
| PROVINCE Quebec | | | | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | RIG SAFETY DAYS: 233.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CODE NO. 1-24 TIME - HRS OPER: 5.00 DAY: 7.00 EVE: 1.50 TOTAL: 8.50 | | | | SHALE SHAKER(S) NO. 2 TYPE: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | RENTALS/SERVICES NO. 2 TYPE: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | FIRST TOUR: 0:00 TO 12:00 | | | | SECOND TOUR: 12:00 TO 24:00 | | | | | | | | | | | | | | | | | | | |
| BIT RECORD 1 Packer 208 4.87 12 127 114.41 3 HWDP 127 28.00 2 X/O 164 1.48 1 Jars 165 6.40 1 X/O 164 0.73 60 HWDP 127 560.85 | | | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED TIME: 02:00 06:00 10:00 DENSITY (g/cc): FUNNEL (SEC/100ML): W.L. (cm3): PH: JETS: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS (CIR. LOG): TOTAL HOURS RUN: CUTTING STRUCTURE: HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): 42 D.P. STANDS 1194.54 0 D.P. SINGLES 0.00 BILLYDOWN 0.00 TOTAL 1911.28 | | | | METERS DRILLED FROM TO CH. I. H. ROTARY W.T. ON LOG. (m) (m) (m) (m) 1919.00 2:00 2.00 6 2:00 2:45 0.75 22 2:45 8:30 5.75 22 8:30 9:00 0.50 22 9:00 12:00 3.00 6 | | | | TIME LOG FROM TO Stop Time Code No 0:00 2:00 2.00 6 2:00 2:45 0.75 22 2:45 8:30 5.75 22 8:30 9:00 0.50 22 9:00 12:00 3.00 6 | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 1919.00 2:00 2.00 6 Con't R.I.H with packer from 1230m to 1852m. 2:00 2:45 0.75 22 Position element @ 1852m. Inflate same. 2:45 8:30 5.75 22 Pressure test to 14mpa below packer with 5000kpa pressure on annulas above. Shut in, read & record. 8:30 9:00 0.50 22 Deflate packer & circ tools clean 9:00 12:00 3.00 6 POOH. W/ Packer & fill hole every 5 stds | | | | CREW SOC. INS. NO. NAME HRS YES NO Driller Garry Dale 8.00 GD <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Pat St onge 8.00 PS <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Marc Lyonnais 8.00 ML <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Robin Pelletier 8.00 RP <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Pete St onge 8.00 PS <input type="checkbox"/> <input checked="" type="checkbox"/> Rig Manager 2 Dan Pelletier 12.00 DP <input type="checkbox"/> <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| BIT RECORD 1 Packer 208 0.00 12 127 114.41 3 HWDP 127 28.00 2 X/O 164 1.46 1 Jars 165 6.40 1 X/O 164 0.73 60 HWDP 127 560.85 | | | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED TIME: DENSITY (g/cc): FUNNEL (SEC/100ML): W.L. (cm3): PH: JETS: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS (CIR. LOG): TOTAL HOURS RUN: CUTTING STRUCTURE: HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): 41 D.P. STANDS 1185.10 2 D.P. SINGLES 0.00 BILLYDOWN 0.00 TOTAL 1896.95 | | | | METERS DRILLED FROM TO CH. I. H. ROTARY W.T. ON LOG. (m) (m) (m) (m) 1919.00 12:00 14:15 2.25 6 14:15 15:15 1.00 23 15:15 15:30 0.25 7 15:30 20:00 4.50 6 20:00 20:45 0.75 5 20:45 21:30 0.75 5 21:30 22:15 0.75 22 22:15 23:15 1.00 6 23:15 24:00 0.75 22 | | | | TIME LOG FROM TO Stop Time Code No 12:00 14:15 2.25 6 14:15 15:15 1.00 23 15:15 15:30 0.25 7 15:30 20:00 4.50 6 20:00 20:45 0.75 5 20:45 21:30 0.75 5 21:30 22:15 0.75 22 22:15 23:15 1.00 6 23:15 24:00 0.75 22 | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 1919.00 12:00 14:15 2.25 6 pooh /with packer & fill hole every 5 stds 14:15 15:15 1.00 23 lay packer tools 15:15 15:30 0.25 7 Rig Service Function Blind Rams C/O 6 secs 15:30 20:00 4.50 6 run in hole open Ended To 1895m 20:00 20:45 0.75 5 Condition Mud & Circ. Bottoms Up 20:45 21:30 0.75 5 Pump High Vis Xanvis & Fibre Pill 21:30 22:15 0.75 22 Squeeze Pill & Record Pressures 22:15 23:15 1.00 6 Trip Up To Shoe 23:15 24:00 0.75 22 Squeeze Pill @ .08 m3/min & Record Pressures | | | | CREW SOC. INS. NO. NAME HRS YES NO Driller Michel Nault 12.00 MN <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Steve St Onge 12.00 SS <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Vaughn Prychak 14.00 VP <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Gabriel Cote 12.00 GC <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Junior Grimard 12.00 JG <input type="checkbox"/> <input checked="" type="checkbox"/> Leaseman Maxime Jacques 12.00 MJ <input type="checkbox"/> <input checked="" type="checkbox"/> Driller Gordon Cyr 4.00 GC <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Donald Bergeron 4.00 DB <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Marco Lepage 4.00 ML <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Sebastien Cote 4.00 SC <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Rejean Larochelle 12.00 RL <input type="checkbox"/> <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | |
| RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT | | | | DRIVER A CREW SAFETY DAYS DRIVER B | | | | RATE SCHEDULE <input type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT | | | | DRIVER A CREW SAFETY DAYS DRIVER B | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLER SIGNATURE: Garry Dale | | | | OPERATOR FUEL: 9617 | | | | DRILLER SIGNATURE: Gordon Cyr | | | | OPERATOR FUEL: Tripping | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

Job header information including SPUD, RIG RELEASE, JOB NO. 2694C, AFE, OPERATOR Intragaz, SURFACE LOCATION Saint Flavien, and various equipment specifications like DATE 31-Oct-2003, RIG NO. 9ETD, and pump details.

Table with 24 columns for time recording (TIME - HRS) and 24 rows for various operations. Includes columns for CURR, DAY, SWR, and TOTAL.

BIT RECORD and MUD RECORD for the first tour. Includes columns for BIT NO., SIZE, MFC, TYPE, SERIAL NO, JETS, DEPTH OUT, and MUD MATERIAL ADDED.

METERS DRILLED and TIME LOG for the first tour. Includes columns for FROM, TO, ROTARY R.P.M., and TIME Log with remarks like 'Squeeze Pill @ .08 m3/min & Record Pressures'.

WELL TYPE, RE-ENTRY, and other well details. Includes fields for WELL NAME & No. SF-18, OPERATOR Intragaz, and RIG NO. 9ETD.

BIT RECORD and MUD RECORD for the second tour. Includes columns for BIT # 25, Motor, Float, WF Float Sub, and various mud parameters.

METERS DRILLED and TIME LOG for the second tour. Includes columns for FROM, TO, ROTARY R.P.M., and TIME Log with remarks like 'run in hole to 1279m'.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for both tours. Includes columns for CREW, SOC. INS. NO., NAME, HRS, and YES/NO status.

FIRST TOUR

SECOND TOUR

NOTES
Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Crown Server G.C.

NOTES
Start N2 @ 2030hrs 10cfm (1923m), Pump Rate @ Midnight 1.4 m3/min Fluid & 40 cfm N2



Based on the CAODC ETS file standard

| | | | |
|---|----------------------------|---|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | |
| SURFACE LOCATION Saint Flavien | | UNIQUE ID: | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Ornn Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |

| | | | | | | | | | | | |
|--------|-------------|------------------------|-------|--------|--------|----------|-----|-----|---------|------|---------|
| DATE | 01-Nov-2003 | LAST CASING TUBING DIA | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG NO | 9ETD | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| NO | 192 | BOILER | | | | | | | | | |

| | | | | | | | | | | |
|-------------------|--------|--------|----|-------|--------|--------|-----|----------------|----------------|-----|
| TEMPERATURE | 127.00 | 29.00 | E | 85.00 | 158.00 | 41/2if | PZ8 | Gardner Danver | 203 | |
| CURRENT CONDITION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Danver | 203 |
| WIND DIRECTION | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| NO | OPER | W.P. & STR. (lbs) | W.P. ACTUAL | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT | W.P. SET POINT |
|----|----------------|-------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 0 | D.P. | 7.75 | | | | | | | | | | | | |
| 1 | Antenna Sub | 164 | | | | | | | | | | | | |
| 1 | X/O | 167 | | | | | | | | | | | | |
| 2 | W.P. Float Sub | 171 | 1.58 | | | | | | | | | | | |

| | | | |
|-------------|-------------|--------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. | |
| DATE | 01-Nov-2003 | | |
| OPERATOR | Intragaz | CONTRACTOR | Nabors Drilling Limited |
| RIG MANAGER | Joe Golden | RIG NO. | 9ETD |
| PROVINCE | Quebec | RIG SAFETY DAYS: | 235.00 |

| NO | ITEM | QTY | UNIT | DATE | TIME | REMARKS |
|-----------|----------------|---------|--------|------------|--------|-------------|
| 1 | Bit # 25 | 1 | Bit | 2003-11-01 | 02:25 | Bit record |
| 1 | Motor | 171 | Motor | 2003-11-01 | 07:67 | Time record |
| 1 | Float | 174 | Float | 2003-11-01 | 05:59 | W.P. record |
| 2 | W.P. Float Sub | 171 | Sub | 2003-11-01 | 1:58 | W.P. record |
| 1 | NM Flex Pony | 164 | Sub | 2003-11-01 | 8:76 | W.P. record |
| 1 | Index Sub | 164 | Sub | 2003-11-01 | 0:63 | W.P. record |
| 1 | Antenna Sub | 164 | Sub | 2003-11-01 | 0:74 | W.P. record |
| 1 | X/O | 167 | Sub | 2003-11-01 | 0:77 | W.P. record |
| 2 | W.P. Float Sub | 164 | Sub | 2003-11-01 | 17:77 | W.P. record |
| 1 | Jars | 165 | Jars | 2003-11-01 | 6:41 | W.P. record |
| 1 | NM Flex Pony | 167 | Sub | 2003-11-01 | 3:29 | W.P. record |
| 1 | NM X/O | 166 | Sub | 2003-11-01 | 0:73 | W.P. record |
| 3 | HWDP | 127 | HWDP | 2003-11-01 | 27:93 | W.P. record |
| 9 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 85:25 | W.P. record |
| 1 | HWDP | 127 | HWDP | 2003-11-01 | 9:28 | W.P. record |
| 1 | Index Sub | 164 | Sub | 2003-11-01 | 0:96 | W.P. record |
| 1 | Antenna Sub | 164 | Sub | 2003-11-01 | 0:74 | W.P. record |
| 6 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 56:61 | W.P. record |
| 45 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 429:59 | W.P. record |
| 26 | D.P. | STANDS | 737.50 | | | |
| 0 | D.P. | SINGLES | 0.00 | | | |
| KELLYDOWN | | | | 0.00 | | |
| TOTAL | | | | 1992.00 | | |

FIRST TOUR

SECOND TOUR

SECOND TOUR

| NO | ITEM | QTY | UNIT | DATE | TIME | REMARKS |
|-----------|----------------|---------|--------|------------|--------|-------------|
| 1 | Bit # 25 | 1 | Bit | 2003-11-01 | 02:25 | Bit record |
| 1 | Motor | 171 | Motor | 2003-11-01 | 7:67 | Time record |
| 1 | Float | 174 | Float | 2003-11-01 | 05:59 | W.P. record |
| 2 | W.P. Float Sub | 171 | Sub | 2003-11-01 | 1:58 | W.P. record |
| 1 | NM Flex Pony | 164 | Sub | 2003-11-01 | 8:76 | W.P. record |
| 1 | Index Sub | 164 | Sub | 2003-11-01 | 0:63 | W.P. record |
| 1 | Antenna Sub | 164 | Sub | 2003-11-01 | 0:74 | W.P. record |
| 1 | X/O | 167 | Sub | 2003-11-01 | 0:77 | W.P. record |
| 2 | W.P. Float Sub | 164 | Sub | 2003-11-01 | 17:77 | W.P. record |
| 1 | Jars | 165 | Jars | 2003-11-01 | 6:41 | W.P. record |
| 1 | NM Flex Pony | 167 | Sub | 2003-11-01 | 3:29 | W.P. record |
| 1 | NM X/O | 166 | Sub | 2003-11-01 | 0:73 | W.P. record |
| 3 | HWDP | 127 | HWDP | 2003-11-01 | 27:93 | W.P. record |
| 9 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 85:25 | W.P. record |
| 1 | HWDP | 127 | HWDP | 2003-11-01 | 9:28 | W.P. record |
| 1 | Index Sub | 164 | Sub | 2003-11-01 | 0:96 | W.P. record |
| 1 | Antenna Sub | 164 | Sub | 2003-11-01 | 0:74 | W.P. record |
| 6 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 56:61 | W.P. record |
| 45 | Out Pipe 28kg | 127 | Pipe | 2003-11-01 | 429:59 | W.P. record |
| 26 | D.P. | STANDS | 737.50 | | | |
| 0 | D.P. | SINGLES | 0.00 | | | |
| KELLYDOWN | | | | 0.00 | | |
| TOTAL | | | | 1400.69 | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|-----------------|-------|-----|--------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input type="checkbox"/> |
| Motorman | | Marco Lepage | 12.00 | ML | <input type="checkbox"/> |
| Floorman | | Sebastian Cote | 12.00 | SC | <input type="checkbox"/> |
| Floorman | | Rejean Laroche | 12.00 | RL | <input type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> |

| | | | | | |
|-------------------|------------|------------------|--|--------------|--|
| DRILLER SIGNATURE | Gordon Cyr | RIG MAN | | STACK TEMP | |
| OPERATOR FUEL | 79.00 | MAX EXP. LOAD | | SAFETY TOPIC | |
| DRIVER A | | CREW SAFETY DAYS | | DRIVER B | |

| | | | | | |
|-------------------|--------------|------------------|--|--------------|--|
| DRILLER SIGNATURE | Michel Nault | RIG MAN | | STACK TEMP | |
| OPERATOR FUEL | | MAX EXP. LOAD | | SAFETY TOPIC | |
| DRIVER A | | CREW SAFETY DAYS | | DRIVER B | |

NOTES
Pump Rate 1.4m3/min Fluid & 40 cfm N2 check brake & linkage sb x/o, inside top manifold valves degasser & lines
Venting pressure 1900psi safety meeting weatherford & top drill with crew

NOTES
Check Brakes & Linkage, Stabbing Valve, Crown Saver, BOP & Manifold Valves G.C.



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | APE | | DAILY CHECKS | | DATE 02-Nov-2003 | | LAST CASING | | 339.7 3315.3 101.20 | | Loadstar | | K55 | | 22 | | 301.52 | | 7.48 | | 309.00 | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (using check list) (3) HSE Signs Posted (if required) (4) Well Log and Block Diagram Posted (5) Flow Line Banded (6) BOP Dils Performed (7) Visually Inspect BOP's Flarelines & Depress Lines (8) Rig Site Health and Safety Meeting (once a month) (9) C.A.O.D.C. Rig Safety Inspection Checklist (once a month) (10) Near Inspection Before Hoisting or Lowering (11) Crown Saver Checked (12) Monthly Checked | | FUEL @ 4:00 | | 244.5 220.5 69.90 | | CANTAK | | L80 | | 123 | | 1671.52 | | 7.48 | | 1679.00 | | | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | SURFACE LOCATION Saint Flavien | | WELL TYPE | | RE-ENTRY | | YES <input type="checkbox"/> NO <input type="checkbox"/> | | KB TO GROUND ELEV. | | DATE 02-Nov-2003 | | OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | RIG SAFETY DAYS: 236.00 | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |
| TIME - HRS | | OPER | | DRILL | | TOTAL | | SHALE SHAKER(S) | | RENTALS/SERVICES | | WELL NAME & No. SF-18 | | DATE 02-Nov-2003 | | OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | RIG SAFETY DAYS: 236.00 | | | | | |
| NO. BIT | | Q.D. (mm) | | LENGTH | | BIT NO. 25 | | MUD TYPE WATER BASED OIL BASED | | FROM TO | | FROM TO | | FROM TO | | FROM TO | | FROM TO | | FROM TO | | FROM TO | | FROM TO | | | |
| 1 Bit # 25 | | 216 | | 0.25 | | 25 | | TIME 02:00 06:00 10:00 | | 1992.00 2054.00 | | D 15 10 | | 0:00 0:45 0:75 6 | | Trip In To 1963m | | Driller | | Gordon Cyr | | 12.00 | | GC <input type="checkbox"/> | | | |
| 1 Motor | | 171 | | 7.67 | | 216 | | DENSITY 1065 1070 1065 | | 0:45 1:15 0:50 5 | | Wash FR/1963m TO/1992m | | Derrickman | | Donald Bergeron | | 12.00 | | DB <input type="checkbox"/> | | ML <input type="checkbox"/> | | SC <input type="checkbox"/> | | | |
| 1 Float | | 174 | | 0.59 | | IADC CODE | | FUNNEL VIS. (ft.) 36 36 37 | | 1:15 10:00 8:75 2 | | Drill 216mm Hole FR/1992m TO/2049.47m | | Motorman | | Marco Lepage | | 12.00 | | ML <input type="checkbox"/> | | RL <input type="checkbox"/> | | DP <input type="checkbox"/> | | | |
| 2 WF Float Sub | | 171 | | 1.58 | | MFG. SMITH | | pH 9.0 8.5 8.0 | | 10:00 10:15 0:25 7 | | Rig service & function upper pipe ram 6/secs/cl lower ram 6/secs cl & annulus 21/secs/cl check & function crown saver. | | Floorman | | Sebastian Cole | | 12.00 | | SC <input type="checkbox"/> | | RL <input type="checkbox"/> | | DP <input type="checkbox"/> | | | |
| 1 Index Sub | | 164 | | 0.83 | | SERIAL NO. JS6046 | | MUD MATERIAL ADDED | | 10:15 10:30 0:25 23 | | Work on top drive repair hydraulic line | | Floorman | | Rojean Larochelle | | 12.00 | | RL <input type="checkbox"/> | | DP <input type="checkbox"/> | | | | | |
| 1 Antenna Sub | | 164 | | 0.74 | | DEPTH OUT (m) | | SOLIDS CONTROL | | 10:30 11:30 1:00 2 | | Drill 216mm hole fr/ 2049.47m to 2054m | | Rig Manager 2 | | Dan Pellerier | | 12.00 | | DP <input type="checkbox"/> | | | | | | | |
| 1 X/O | | 167 | | 0.77 | | DEPTH IN (m) 1919.00 | | CENTRIFUGE #1 | | 11:30 12:00 0:50 10 | | Deviation Survey | | | | | | | | | | | | | | | |
| 2 WF Float Sub | | 164 | | 17.77 | | TOTAL METERS DRILLED (m) 135.00 | | PRODUCT AMOUNT x UNIT | | | | | | | | | | | | | | | | | | | |
| 1 Jars | | 165 | | 6.41 | | TOTAL HOURS RUN 21.45 | | Centrifuge #2 | | | | | | | | | | | | | | | | | | | |
| 1 NM Flex Pony | | 167 | | 3.29 | | GROUTING STRUCTURE | | Zetac 2sx | | | | | | | | | | | | | | | | | | | |
| 1 NM X/O | | 166 | | 0.73 | | DEPTH IN (m) 1919.00 | | Lime 2sx | | | | | | | | | | | | | | | | | | | |
| 3 HWDP | | 127 | | 27.93 | | HOLE DRAG 10 up 8 dn | | Enviroflock 8sx | | | | | | | | | | | | | | | | | | | |
| 9 Out Pipe 216 | | 127 | | 85.25 | | TORQUE AT BOTTOM 8-10 ft -lb | | H2O 1floc tank | | | | | | | | | | | | | | | | | | | |
| 1 HWDP | | 127 | | 9.28 | | FILL ON BOTTOM (m) | | | | | | | | | | | | | | | | | | | | | |
| 1 Index Sub | | 164 | | 0.96 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Antenna Sub | | 164 | | 0.74 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 Out Pipe 216 | | 127 | | 56.61 | | | | | | | | | | | | | | | | | | | | | | | |
| 45 Out Pipe 216 | | 127 | | 429.59 | | | | | | | | | | | | | | | | | | | | | | | |
| 28 S.P. STANDS | | 794.24 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 S.P. STANDS | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| KELLYGROSS | | 4.53 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 1461.96 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NET OF DRILLER | | 8000.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NET OF WELLS | | 8000.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. OF DRILLER | | 8000.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. OF WELLS | | 8000.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

FIRST TOUR

SECOND TOUR

NOTES

Start N2 @ 1:15 (1962m) Check Brakes & Linkage, Stabbing Valve, Bop & Manifold Valves, Function Crown Saver G.C. Start Of N2 @ 10 M3/min & 1.8 M3/min Fluid. Final Rate Of 60M3/min N2 & 1.2 M3/min Fluid. Hold BOP Drill & Discussion W/ Weatherford & Crew. Venting pressure 10kpa

NOTES

Check brake linkage atb valve, x/o, inside bop valve manifold valves, degasser and lines. check & function crown saver. Pump Rate, 1.2 m3/min Fluid & 7.6 m3/min N2



Chimo Equipment
A Taro Company

Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE

CONTRACTOR: Nabors Drilling Limited

DATE: 03-Nov-2003 RIG NO. 9ETD

CASING TUBING OR LINER: 339.7 3315.3 101.20 Loadstar K55 22 301.52 7.48 309.00

FUEL @ 8:00: 244.5 220.5 69.90 CANTAK L80 123 1671.52 7.48 1679.00

TEMPERATURE: 127.00 29.00 E 85.00 156.00 412/1f PZ8 Gardner Denver 203

CURRENT: 171.00 174.00 DC 74.00 172.00 5H90 33 PZ8 Gardner Denver 203

WEATHER: 228.00 236.00 DC 74.00 228.00 7H90 3

RE-ENTRY: YES NO

KB TO GROUND ELEV.:

WELL NAME & No. SF-18 DATE: 03-Nov-2003

OPERATOR: Joe Golden CONTRACTOR: Nabors Drilling Limited

RIG MANAGER: Joe Golden RIG NO. 9ETD

PROVINCE: Quebec CAMP: YES NO RIG SAFETY DAYS: 237.00

| TIME - HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | | |
|------------|-------|---|---|---|---|---|---|---|------|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| START | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STOP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 11:00 | | | | | | | | 0.25 | | | 0.75 | | | | | | | | | | | | | | | | | | | | | | | |

| NO. | BIT | SIZE | DEPTH | TIME | METER DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|----------|------|-------|-------|---------------|----------|---|
| 1 | Bit # 25 | 216 | 0.25 | 02:00 | 06:00 | 10:00 | Drill 216mm Hole FR/ 2117m TO/ 2174m |
| 1 | Motor | 171 | 7.67 | 1070 | 1075 | 1075 | Deviation Survey |
| 1 | Float | 174 | 0.59 | 36 | 41 | 40 | Rig Service |

NOTES
Venting pressure 0, check brake & linkage stb valve, also inside top, crown saver, hop valve manifold valves degasser and lines, function top pipe rams 6 sec/ of & annulus 21 sec, lower rams 6 sec

| NO. | BIT | SIZE | DEPTH | TIME | METER DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----|----------|------|-------|-------|---------------|----------|---|
| 1 | Bit # 25 | 216 | 0.25 | 14:00 | 18:00 | 22:00 | Drill 216mm Hole fr/ 2174m to 2231m |
| 1 | Motor | 171 | 7.67 | 1080 | 1080 | 1080 | Deviation Surveys |
| 1 | Float | 174 | 0.59 | 41 | 40 | 38 | Rig Service |

NOTES
Pump Rate: 1 m3/min Fluid & 80m3/min N2 Check Brakes & Linkage, Slabbing Valve, BOP & Manifold Valves, Crown Saver G.C.Pump Rate @ End Of Tour: 1.0m2/min Fluid & 75m3/min N2



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, OPERATOR, CONTRACTOR Nabors Drilling Limited, SURFACE LOCATION Saint Flavien, SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE, SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden, DAILY CHECKS, OPR, R.M., DATE 04-Nov-2003, LAST CASING TUBING OR LINER, O.D. (mm), I.D. (mm), GRADE, NO. OF JOINTS, TOTAL (m), LB TO CRD HEAD ON, SET AT (m), FUEL @ 8:00, 244.5, 220.5, 69.90, CANTAK, L80, 123, 1671.52, 7.48, 1679.00, RIG 92, RIG MANAGER Joe Golden, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 238.00

TIME - HRS table with columns for DAY, EVE, TOTAL, and various drilling parameters like ROP, DRILL ACTUAL, MEANING, CORING, etc.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 TO 12:00. Includes data for Bit #25, Motor, Float, WF Float Sub, NM Flex Pony, Index Sub, X/O, Jars, NM Flex Pony, NM X/O, HWDP, Index Sub, Antenna Sub, O.P., STAMPS, D.P., SINGLES, KILLYDOWN, TOTAL, WT. OF DC, WT. OF STRING.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 TO 24:00. Includes data for Bit #26, Motor, Float, WF Float Sub, NM Flex Pony, Index Sub, Antenna Sub, O.P., STAMPS, D.P., SINGLES, KILLYDOWN, TOTAL, WT. OF DC, WT. OF STRING.

WELL TYPE, RE-ENTRY, DATE 04-Nov-2003, OPERATOR, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Joe Golden, RIG NO. 9ETD, PROVINCE Quebec, CAMP, RIG SAFETY DAYS: 238.00, CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURED.

RATE SCHEDULE, REGULAR, REPAIR, INVERT, DRIVER A, CREW SAFETY DAYS, DRIVER B, CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURED.

FIRST TOUR

SECOND TOUR

NOTES: Check brake damage sub valve, x/o, inside top, crown saver, top valves manifold valves degasser and lines venting pressure 0

NOTES: Function Blind Riser, TPR & BPR Out of Hole C/O 6 secs



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 05-Nov-2003, LAST OF STRING TUBING 339.7, 3315.3, 101.20, Loadstar, K55, 22, 301.52, 7.48, 309.00, FUEL @ 8:00 244.5, 220.5, 69.90, CANTAK, L80, 123, 1671.52, 7.48, 1679.00

Table with columns for CODE NO., OPER, DAY, TIME, and various drilling parameters like DEPTH, MFG, TYPE, SERIAL NO., etc.

BIT RECORD table with columns for BIT NO., SIZE, MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL, etc.

METERS DRILLED and TIME LOG tables with columns for FROM, TO, DEPTH, DEVIATION, DIRECTION, etc.

WELL NAME & No. SF-18, OPERATOR Nabors Drilling Limited, RIG MANAGER Joe Golden, PROVINCE Quebec, RIG NO. 9ETD, RIG SAFETY DAYS: 239.00

BIT RECORD table for the second tour, including columns for BIT NO., SIZE, MUD TYPE, MUD MATERIAL ADDED, SOLIDS CONTROL, etc.

METERS DRILLED and TIME LOG tables for the second tour, including columns for FROM, TO, DEPTH, DEVIATION, DIRECTION, etc.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table for the first tour, including trip in, cut off, change out, and break circ operations.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table for the second tour, including drill 216mm hole and deviation surveys.

FIRST TOUR

SECOND TOUR

NOTES: Change Out Corrosion Rings Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Set & Function Crown Saver G.C. Venting pressure 0

NOTES: Check brake & linkage stb valve inside top crown saver, top valves manifold valves degasser @ lines & function top pipe rams @sec/d & annulus 20/sec/d & lower pipe rams @sec/d. Pump Rate @ End Of Tour 1.1m3/min Fluid & 95m3/min N2

RATE SCHEDULE: REGULAR, REPAIR, INVERT, DRIVER A, CREW SAFETY DAYS, DRIVER B

RATE SCHEDULE: REGULAR, REPAIR, INVERT, DRIVER A, CREW SAFETY DAYS, DRIVER B



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 06-Nov-2003, LAST CASING TUBING 9ETD, CASING 339.7, 3315.3, 101.20, Loadstar, K55, 22, 301.52, 7.48, 309.00, FUEL 104 BOILER, LINER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, SHALE SHAKER(S), RENTALS/SERVICES

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No. SF-18, DATE 06-Nov-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, CAMP, RIG SAFETY DAYS: 240.00

TIME - HRS table with columns for OPER, SHIP, CRUISE, WIND, WAVE, TOTAL, and various well parameters.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 TO 12:00. Includes data for Bit # 26, Motor, Float, MWD, X/O, Jars, NM Flex Pony, NM X/O, HWDP, Repeater, HOLE DRAG, TORQUE AT BOTTOM, WF Float, HWDP, and various mud materials like xanvis, CausticSoda, Zetag, and solids control.

CREW, SOC. INS. NO., NAME, HRS, YES NO. Includes crew members: Gordon Cyr, Donald Bergeron, Marco Lepage, Sebastien Cote, Rejean Larochelle, Dan Pelletier.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 TO 24:00. Includes data for Bit # 26, Motor, Float, MWD, X/O, Jars, NM Flex Pony, NM X/O, HWDP, Repeater, HOLE DRAG, TORQUE AT BOTTOM, WF Float, HWDP, and various mud materials like xanvis, Caustic, envirofloc, lime, and solids control.

CREW, SOC. INS. NO., NAME, HRS, YES NO. Includes crew members: Garry Dale, Pat St onge, Marc Lyonnais, Robin Pelletier, Pete St onge, Maxime Jacques, Michel Nault, Steve St Onge, Vaughn Prychak, Gabriel Cote, Junior Grimard.

FIRST TOUR

SECOND TOUR

NOTES

NOTES

Check brakes & linkage, stabbing valve (open) & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver. Held discussion with Weatherford supervisor and crew on B.O.P. procedures. GD & wanting pressure 0 kpa



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well 2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: | |
| SURFACE LOCATION Saint Flavian | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | | | | | | | | |
|----------------------|-----------------------------|--------------------|--------|--------------|----------------------|-------------|-------------|----------------|-------------------|-----------------|
| DATE 07-Nov-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| FUEL @ 8:00 | | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| TEMPERATURE | DCOP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN. ID (mm) | TOOL JOINT O.D. (mm) | THREAD TYPE | NO. OF JOBS | PUMP TYPE | PUMP MANUFACTURER | STROKES (L/100) |
| overcast | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | PZ8 | Gardner Denver | 203 | |
| WIND DIRECTION ne8km | 171.00 | 174.00 | DC | 74.00 | 172.00 | SH90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD good | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | | | | | | |
|----------|-------|-------------------|------------|------------|----------------|----------|---|
| TIME HRS | OPER | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
| 0.00 | 9.00 | 0.75 | 1.00 | 0.25 | | | |
| 0.50 | 9.50 | 0.25 | | | | | |
| 0.80 | 10.20 | 0.25 | | | | | |
| 1.00 | 10.50 | 0.25 | | | | | |

| | | |
|-------------------------|------------------------------------|--------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| Well 2694C | <input type="checkbox"/> | 07-Nov-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | RIG SAFETY DAYS: 241.00 | |
| FIRST TOUR 0:00 | TO 12:00 | |

| NO. | BIT | SIZE | DEPTH IN (m) | DEPTH OUT (m) | MUD TYPE | WATER BASED | OIL BASED | TIME |
|---------------|-----------------|--------|--------------|---------------|-------------|-------------------------------------|--------------------------|---------------|
| 1 | Bit # 26 | 216 | 0.25 | 26 | Water Based | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 02:00 - 05:30 |
| 1 | Motor | 171 | 7.62 | 216 | | | | 10:00 |
| 1 | Float | 174 | 0.59 | | | | | 1025 |
| 2 | WF Float Sub | 171 | 1.58 | | | | | 37 |
| 1 | MWD | 164 | 13.77 | | | | | 9.0 |
| 1 | X/O | 167 | 0.77 | | | | | |
| 2 | WF Flex Pony | 164 | 17.77 | | | | | 66.6 |
| 1 | Jars | 165 | 6.41 | 2474.55 | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | 2268.00 | | | | |
| 1 | NM X/O | 166 | 0.73 | 206.55 | | | | |
| 3 | MWD | 127 | 27.93 | 46.25 | | | | |
| 9 | Repeater | 164 | 10.66 | | | | | |
| 42 | Sub Pipe String | 127 | 396.84 | | | | | |
| 45 | Sub Pipe String | 127 | 429.59 | | | | | |
| 9 | Sub Pipe String | 127 | 55.78 | | | | | |
| 1 | WF Float | 170 | 1.07 | | | | | |
| 57 | Sub Pipe String | 127 | 533.07 | | | | | |
| 2 | WF Float | 170 | 2.12 | | | | | |
| 31 | D.P. | STANDS | 879.46 | | | | | |
| TOTAL | | | 2474.55 | | | | | |
| WT. OF DC | | | | | | | | |
| WT. OF STRING | | | 80.00 | | | | | |

| FROM | TO | TIME | SHALE SHAKER(S) | RENTALS/SERVICES |
|---------|---------|---------|-----------------|--|
| 2421.00 | 2474.55 | D 20 14 | | |
| 0:00 | 4:15 | 4.25 | 2 | Directional drill & underbalance /fr 2421m TO 2446M |
| 4:15 | 4:30 | 0.25 | 7 | Rig Service. |
| 4:30 | 9:15 | 4.75 | 2 | DRILL 216MM HOLE /FR 2446M TO 2474.55m. |
| 9:15 | 10:00 | 0.75 | 10 | Accum. surveys with MWD. |
| 10:00 | 10:45 | 0.75 | 5 | Circulate bottom hole sample. |
| 10:45 | 11:45 | 1.00 | 6 | P.O.O.H for B.H.A change to 2130m. Bleed string float @ 2245m. |
| 11:45 | 12:00 | 0.25 | 22 | Fill the hole with fluid to kill. |

| DEPTH (m) | DEVIATION (m) | DIRECTION |
|-----------|---------------|-----------|
| 2409.25 | 91.9 | 276.50 |
| 2418.74 | 91.8 | 274.30 |
| 2428.24 | 91.9 | 272.70 |
| 2447.12 | 92.3 | 271.50 |
| 2456.55 | 92.3 | 271.30 |

NOTES
Check brakes & linkage stb. x/o inside bop, crown saver, bop valves manifold valves degasser and lines. Function top pipe rams @ 6secs /cl & ANNULUS 20 SECS /CL & LOWER PIPE RAMS @ 6SECS/CL m

| | | | | | |
|-------------------|-------------|---------------|-------------------|--------------|----------|
| DRILLER SIGNATURE | MICHEL NAUT | OPERATOR FUEL | MAX EXP. HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| | 12.00 | 8.5 | 125.00 | Drilling | 10118 |

| NO. | BIT | SIZE | DEPTH IN (m) | DEPTH OUT (m) | MUD TYPE | WATER BASED | OIL BASED | TIME |
|---------------|-----------------|--------|--------------|---------------|-------------|-------------------------------------|--------------------------|---------------|
| 1 | Bit # 26 | 216 | 0.25 | 26 | Water Based | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14:00 - 18:00 |
| 1 | Motor | 171 | 7.62 | 216 | | | | 23:00 |
| 3 | Floats | 174 | 2.17 | | | | | 1025 |
| 1 | MWD | 164 | 13.77 | | | | | 38 |
| 1 | X/O | 167 | 0.77 | | | | | |
| 2 | WF Flex Pony | 164 | 17.77 | | | | | 9.0 |
| 1 | Jars | 165 | 6.41 | 2474.55 | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | 2268.00 | | | | |
| 1 | NM X/O | 166 | 0.73 | 206.55 | | | | |
| 3 | MWD | 127 | 27.93 | 46.25 | | | | |
| 9 | Repeater | 164 | 10.66 | | | | | |
| 108 | Sub Pipe String | 127 | 1025.11 | | | | | |
| 63 | Sub Pipe String | 127 | 586.85 | | | | | |
| 1 | X/O | 127 | 0.80 | | | | | |
| 18 | 6 1/4 D.C | 161 | 168.34 | | | | | |
| 1 | X/O | 159 | 0.64 | | | | | |
| 3 | WF Float | 170 | 3.19 | | | | | |
| 18 | D.P. | STANDS | 510.68 | | | | | |
| TOTAL | | | 2474.23 | | | | | |
| WT. OF DC | | | | | | | | |
| WT. OF STRING | | | 80.00 | | | | | |

| FROM | TO | TIME | SHALE SHAKER(S) | RENTALS/SERVICES |
|-------|-------|------|-----------------|---|
| 12:00 | 13:00 | 1.00 | 22 | Can't filling hole with fluid to kill. Purge drill string for 12min prior to pulling out. |
| 13:00 | 16:45 | 3.75 | 6 | Pull up to 573m for B.H.A change. Bleed string floats @ 1648m & 1057m. |
| 16:45 | 19:00 | 2.25 | 6 | Move 7stds 29kg DP down to B.H.A & R.I.H to 1680m. |
| 19:00 | 19:15 | 0.25 | 7 | Rig Service. Function top & bottom pipe rams. 6sec each. |
| 19:15 | 19:45 | 0.50 | 6 | Fill pipe @ 1680m. Con't R.I.H to 1792m. |
| 19:45 | 21:45 | 2.00 | 6 | Pick up 18 - 6 1/4 D.C's. |
| 21:45 | 22:45 | 1.00 | 6 | Con't R.I.H from 1962m to 2445m |
| 22:45 | 23:15 | 0.50 | 5 | Brake circ & cicr |
| 23:15 | 23:45 | 0.50 | 21 | Safety meeting |
| 23:45 | 0:00 | 0.25 | 22 | WELL FLOW EVALUATION TEST |

| DEPTH (m) | DEVIATION (m) | DIRECTION |
|-----------|---------------|-----------|
| 23:45 | 0:00 | 0.25 |

NOTES
Check brakes & linkage, stabilizing valve & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver. OD

| | | | | | |
|-------------------|------------|---------------|----------------------|--------------|----------|
| DRILLER SIGNATURE | GARRY DALE | OPERATOR FUEL | MAX EXP. HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| | 12.00 | 108.00 | High pressure lines. | | 10042 |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|-------------|---------------|-----------------|-------|-----|-------------------------------------|
| Rig Manager | | Joe Golden | 12.00 | JG | <input checked="" type="checkbox"/> |
| Driller | | Michel Naut | 12.00 | MIN | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Pynchak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St Onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 4.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |

| | | | |
|---------------|------------------|----------|-------|
| RATE SCHEDULE | REGULAR | REPAIR | INLET |
| DRIVER A | CREW SAFETY DAYS | DRIVER B | |



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE

DAILY CHECKS, DATE, RIG NO., LAST CASING TUBING, FUEL, BOILER

WEATHER, TEMPERATURE, WIND DIRECTION, SHALE SHAKER(S), RENTALS/SERVICES

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR

Table with columns for TIME - HRS (OPER, DRILL, ETC) and rows for DAY, EVE, TOTAL

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Table with columns for CREW, SOC. INS. NO., NAME, HRS, YES/NO for INJURIES

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

Table with columns for CREW, SOC. INS. NO., NAME, HRS, YES/NO for INJURIES

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RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

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RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

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Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, SOLIDS CONTROL, DEVIATION SURVEY

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |



Based on the CAODC ETS file standard

| | | | | | | | | | | |
|------------------|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| DATE 10-Nov-2003 | LAST GABBING TUBING OR LINER | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG NO. 9ETD | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS |

| | | | |
|-------------------------|------------------------------------|---|-------------------------|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 10-Nov-2003 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | | |
| PROVINCE Quebec | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 244.00 |

| | | | | | | | | |
|------------|-------------------|------------|------------|----------------|----------|---|--------------------------|----------|
| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | FIRST TOUR 0:00 TO 12:00 | INJURIES |
|------------|-------------------|------------|------------|----------------|----------|---|--------------------------|----------|

| | | | | | | | | | |
|-----------|--------------|-----------|---------|----------------------|-----------------|------------------------------|---------------|-----------|-------|
| NO. | BIT | Q.D. (mm) | LENGTH | BIT NO. | 26 | MUD TYPE | WATER BASED | OIL BASED | |
| 1 | Bit # 26 | 216 | 0.25 | SIZE | 216 | TIME | 02:00 | 06:00 | 10:00 |
| 1 | Motor | 171 | 7.62 | WDC CODE | | DENSITY (kg/m ³) | 1050 | 1055 | 1055 |
| 3 | Floater | 174 | 2.17 | MFG. | SMITH | PURCHASE PRICE (\$) | 38 | 38 | 38 |
| 1 | MWD | 164 | 13.77 | TYPE | MA32BPX | W.L. (cm) | 9.0 | 9.0 | 9.0 |
| 1 | X/O | 167 | 0.77 | SERIAL NO. | JS5933 | PH | | | |
| 2 | NM Flex Pony | 164 | 17.77 | DEPTH OUT (m) | | PVT | 84.2 | 86.5 | 86.5 |
| 1 | Jars | 165 | 6.41 | DEPTH IN (m) | 2268.00 | MUD MATERIAL ADDED | | | |
| 1 | NM X/O | 166 | 0.73 | TOTAL METERS DRILLED | 415.00 | SOLIDS CONTROL | Centrifuge #1 | | |
| 3 | Repeater | 127 | 27.93 | PRODUCT | Zetac | AMOUNT x UNIT | 1 sx | | |
| 9 | Repeater | 127 | 85.25 | AMOUNT x UNIT | zzlime | 26sx | 12.00 | 1055 | 1055 |
| 108 | Repeater | 127 | 1025.11 | AMOUNT x UNIT | calcium nitrate | 16sx | | | |
| 63 | Repeater | 127 | 588.85 | AMOUNT x UNIT | xarvis | 14 sx | | | |
| 1 | X/O | 127 | 0.80 | AMOUNT x UNIT | citric acid | 4 sx | 12.00 | 1055 | 1050 |
| 18 | 6 1/2 D.C | 161 | 168.34 | AMOUNT x UNIT | hydr potassium | 3 sx | | | |
| 1 | X/O | 159 | 0.64 | AMOUNT x UNIT | CausticSoda | 12sx | | | |
| 3 | WF Float | 170 | 3.19 | AMOUNT x UNIT | h2o | 4chem | | | |
| 25 | D.P. | STANDS | | AMOUNT x UNIT | h2o | 3floc | | | |
| 1 | D.P. | SINGLES | 718.53 | AMOUNT x UNIT | premix | 2x47minfor120min | | | |
| TOTAL | | | | 2683.00 | | | | | |
| WT. OF DC | | | | 94.00 | | | | | |

| | | | | |
|---------|---------|---------|------|--|
| FROM | TO | TIME | CODE | REMARKS |
| 2634.00 | 2683.00 | D 25 14 | 2 | Drill Actual 216mm hole fr/2634m to 2644m. |
| | | | 7 | Rig Service |
| | | | 2 | Drill Actual 216mm hole fr/2644m to 2683m. |
| | | | 10 | Accum survey |

| | | | | | |
|-------------|---------------|----------------|-------|--------------------------|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Rig Manager | | Joe Golden | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Driller | | Michel Nault | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| | | | | | | | | | |
|-----------|--------------|-----------|---------|----------------------|-----------------|------------------------------|---------------|-----------|-------|
| NO. | BIT | Q.D. (mm) | LENGTH | BIT NO. | 26 | MUD TYPE | WATER BASED | OIL BASED | |
| 1 | Bit # 26 | 216 | 0.25 | SIZE | 216 | TIME | 14:00 | 18:00 | 22:00 |
| 1 | Motor | 171 | 7.62 | WDC CODE | | DENSITY (kg/m ³) | 1055 | 1055 | |
| 3 | Floater | 174 | 2.17 | MFG. | SMITH | PURCHASE PRICE (\$) | 39 | 39 | |
| 1 | MWD | 164 | 13.77 | TYPE | MA32BPX | W.L. (cm) | 9.0 | 9.5 | |
| 1 | X/O | 167 | 0.77 | SERIAL NO. | JS5933 | PH | | | |
| 2 | NM Flex Pony | 164 | 17.77 | DEPTH OUT (m) | 2702.00 | PVT | 86.7 | 87.4 | |
| 1 | Jars | 165 | 6.41 | DEPTH IN (m) | 2268.00 | MUD MATERIAL ADDED | | | |
| 1 | NM X/O | 166 | 0.73 | TOTAL METERS DRILLED | 434.00 | SOLIDS CONTROL | Centrifuge #1 | | |
| 3 | Repeater | 127 | 27.93 | PRODUCT | zetac | AMOUNT x UNIT | 1sx | | |
| 9 | Repeater | 127 | 85.25 | AMOUNT x UNIT | zzlime | 12 | 12.00 | 1055 | 1050 |
| 108 | Repeater | 127 | 1025.11 | AMOUNT x UNIT | caustic | 4sx | | | |
| 63 | Repeater | 127 | 588.85 | AMOUNT x UNIT | calcium nitrate | 8sx | | | |
| 1 | X/O | 127 | 0.80 | AMOUNT x UNIT | h2o | 1floc | 12.00 | 1055 | 1050 |
| 18 | 6 1/2 D.C | 161 | 168.34 | AMOUNT x UNIT | xarvis | 2sx | | | |
| 1 | X/O | 159 | 0.64 | AMOUNT x UNIT | | | | | |
| 3 | WF Float | 170 | 3.19 | AMOUNT x UNIT | | | | | |
| 26 | D.P. | STANDS | 737.38 | AMOUNT x UNIT | | | | | |
| TOTAL | | | | 2702.00 | | | | | |
| WT. OF DC | | | | 94.00 | | | | | |

| | | | | |
|---------|---------|---------|------|---|
| FROM | TO | TIME | CODE | REMARKS |
| 2683.00 | 2702.00 | D 25 14 | 2 | Directional drill 216mm hole underbalanced F/ 2683m - 2700m. |
| | | | 7 | Rig Service. |
| | | | 2 | Directional drill 216mm hole underbalanced F/ 2700m - 2702m. |
| | | | 10 | Accum. surveys with MWD. |
| | | | 5 | Circulate & purge drill string. Bleed down same. |
| | | | 6 | P.O.O.H with bit # 26. Bleed floats @ 2443m, & 1652m & 1059m-to 1032m |
| | | | 24 | Shut in well & read & record press |

| | | | | | |
|------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Marc Lyonnals | 12.00 | ML | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Floorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Leaseman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |

SPUD: RIG RELEASE: JOB NO. 2694C AFE

LICENCE NO.: WELL NAME AND NO. SF-18

OPERATOR: CONTRACTOR Nabors Drilling Limited

SURFACE LOCATION: Saint Flavien

SIGNATURE OF OPERATORS REPRESENTATIVE: DEAN WAPLE

SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson

DAILY CHECKS: (1) Daily Well Account Inspection, (2) Drilled Inconformities (using checkers), (3) H2S Signs Passed (if required), (4) Well Control & Risk Diagram Passed, (5) Flow Line Staked, (6) BOP Drills Performed, (7) Visually Inspect BOP's Filtrates & Degasser Lines, (8) Well Control & Risk Diagram Passed, (9) Mast Inspection Before Raising or Lowering, (10) Crown Saver Checked, (11) Mast Site Checked

DATE: 11-Nov-2003

RIG NO: 9ETD

FILED @ 8:00

NO: 106

TEMPERATURE: 127.00, 171.00, 228.00

CURRENT CONDITION: 29.00, 174.00, 236.00

WIND DIRECTION: 171.00, 174.00, 236.00

HEAD: 228.00, 236.00, 236.00

LAST CASING TUBING OR LINER: 339.7, 244.5, 220.5

O.D. (mm): 101.20, 69.90

W.H. (mm): 3315.3, 220.5

GRADE: Loadstar K55, CANTAK L80

NO. OF JOINTS: 22, 123

TOTAL W.L. LENGTH: 301.52, 1671.52

KG TO CGS HEAD (kg): 7.48, 7.48

SET AT (m): 309.00, 1679.00



Chimo Equipment
A Verco Company

Based on the CAODC ETS file standard

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| OPRA | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR |
| REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR |
| REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR |
| REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR | REPAIR |

| NO. | TYPE | SIZE | DEPTH | TIME | REMARKS |
|-----|--------|------|-------|------|--|
| 1 | TOP | 210 | 12.00 | 2:30 | Shut in well & read & record press at 1032m & Close the ddv valve .bleed press off to 800 kpa & bleed press off to zero & close ddv valve positive close no leaks. |
| 2 | MIDDLE | 210 | 12.00 | 3:15 | Slip & cut line 26m |
| 3 | MIDDLE | 210 | 12.00 | 3:30 | Service rig |
| 4 | MIDDLE | 210 | 12.00 | 5:30 | Pooh fr/1032m to 165m & tear out rotating bearing |
| 5 | MIDDLE | 210 | 12.00 | 7:45 | Service mwd tools & replace motor & orientate same. |
| 6 | MIDDLE | 210 | 12.00 | 9:00 | R.I.H with bit #27. Install bearing. Run in to 177m. |
| 7 | MIDDLE | 210 | 12.00 | 9:30 | Pick up repeater, install tool into same. |
| 8 | MIDDLE | 210 | 12.00 | 9:30 | Pick up 42 joints of 29kg pipe. Run in to 380m. |

WELL TYPE: RE-ENTRY YES NO

KB TO GROUND ELEV. DATE: 11-Nov-2003

OPERATOR: Don Johnson

CONTRACTOR: Nabors Drilling Limited

RIG NO: 9ETD

RIG SAFETY DAYS: 245.00

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2190.33 |
| WELL TOTAL | | | | | 94.00 |

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2190.33 |
| WELL TOTAL | | | | | 94.00 |

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2190.33 |
| WELL TOTAL | | | | | 94.00 |

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2711.00 |
| WELL TOTAL | | | | | 94.00 |

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2711.00 |
| WELL TOTAL | | | | | 94.00 |

| NO. | BIT # | SIZE | DEPTH | TIME | REMARKS |
|------------|-------|---------|-------|---------|--------------|
| 1 | 216 | 0.25 | 216 | 0:25 | Motor |
| 1 | 171 | 8.43 | 216 | 8:43 | Floats |
| 3 | 174 | 2.29 | | 2:29 | MWD |
| 1 | 164 | 13.77 | | 13:77 | X/O |
| 1 | 167 | 0.77 | | 0:77 | Jars |
| 2 | 164 | 17.77 | | 17:77 | NM Flex Pony |
| 1 | 165 | 6.41 | | 6:41 | NM X/O |
| 1 | 166 | 0.73 | | 0:73 | MWD |
| 3 | 127 | 27.93 | | 27:93 | Repeater |
| 9 | 127 | 85.25 | | 85:25 | Jars |
| 1 | 164 | 10.66 | | 10:66 | NM X/O |
| 132 | 127 | 1250.96 | | 1250:96 | Repeater |
| 63 | 127 | 588.85 | | 588:85 | Jars |
| 1 | 127 | 0.80 | | 0:80 | NM X/O |
| 18 | 161 | 168.34 | | 1:06:34 | 6 1/2 D.C |
| 1 | 159 | 0.64 | | 0:64 | X/O |
| 3 | 170 | 3.19 | | 3:19 | WF Float |
| TOTAL | | | | | 2711.00 |
| WELL TOTAL | | | | | 94.00 |

DRILLER SIGNATURE: Michel Nault (First Tour), Garry Dale (Second Tour)

OPERATOR FUEL: 12.00, 8.00

MAX EXP HOOKLOAD: 95.00

SAFETY TOPIC: tripping

M.A.C.P.: 9693

DRIVER A: DRIVER B

CREW SAFETY DAYS: DRIVER A, DRIVER B



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | |
|---|---|---------------|-----|------------------|---------------------------|------------------|-------------|-------------------|-----------|-------------------|--------------------------|----------------------|-------------------|---------------|----------------------------------|-----------------------|--|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DATE 12-Nov-2003 | LAST CASING TURNING 339.7 | O.D. (mm) 3315.3 | NEW 101.20 | MADE Loadstar | GRADE K55 | NO. OF JOINTS 22 | TOTAL WT. (kg) 301.52 | KG TO CG (HEAD) 7.48 | SET AT (m) 309.00 | | | | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | | DATE | FUEL @ 8:00 | TEMPERATURE 170 | RPM 170 | LINEAR MASS 29.00 | GRADE E | MIN ID (mm) 85.00 | TOOL JT O.D. (mm) 156.00 | THREAD TYPE 41/2IF | NO. OF JOINTS 22 | PUMP TYPE PZ8 | PUMP MANUFACTURER Gardner Denver | STROKE (LTS./min) 203 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | DATE | | WIND 171.00 | WAVE 174.00 | DC 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 | | | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | | DATE | | ROAD 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | DATE | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|---------------|---------------|---------------|---------------|---------------|-------------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | NO. OF JOINTS | |
| WELL NAME & No. SF-18 | Well#2694C | DATE | 12-Nov-2003 | OPERATOR | Intragaz | CONTRACTOR | Nabors Drilling Limited |
| OPERATOR | Intragaz | RIG MANAGER | Don Johnson | RIG NO. | 9ETD | PROVINCE | Quebec |
| RIG SAFETY DAYS: 246.00 | | | | | | | |
| CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | | |
| FIRST TOUR 0:00 TO 12:00 | | | | | | | |

| NO. | BIT # | SIZE | DEPTH (m) | DEPTH IN (in) | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | Rotary R.P.M. | To | Stop Time | Code No. | REMARKS | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | |
|--|-------|-------|-----------|---------------|----------|-------------------------------------|--------------------------|-----------------------|---------|---------|---------------|----|--------------------|----------|-------------------------------------|-------------|---------------|----------------|-------|-----|--------------------------|-------------------------------------|
| 1 | 216 | 0.25 | 27 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 02:00 - 06:00 - 10:00 | 2711.00 | 2800.00 | d 25 | 12 | 0:00 - 2:45 - 2:75 | 2 | Drill 216mm hole fr/2711m to 2728m | Rig Manager | | Joe Golden | 12.00 | JG | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | 174 | 2.29 | | | | | | 1030 - 1030 - 1030 | | | | | | 7 | rig service | Driller | | Michel Nault | 12.00 | MN | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1 | 164 | 13.77 | | | | | | 37 - 40 - 46 | | | | | | 2 | Drill 216mm hole fr/2728m to 2800m. | Derrickman | | Steve St Onge | 12.00 | SS | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1 | 167 | 0.77 | | | | | | | | | | | | 10 | Accum. surveys with MWD. | Motorman | | Vaugh Prychak | 12.00 | VP | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | 164 | 17.77 | | | | | | 8.5 - 8.5 - 9.0 | | | | | | | | Floorman | | Gabriel Cote | 12.00 | JC | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1 | 165 | 8.41 | | | | | | 82 - 82 - 82 | | | | | | | | Floorman | | Junior Grimard | 12.00 | JG | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <p style="text-align:center;">NOTES</p> <p>Check brake & linkage atb valve x/o. Inside bop crown saver bop valves manifold valves degasser lines.</p> | | | | | | | | | | | | | | | | | | | | | | |
| DRILLER SIGNATURE | | | | | | | | | | | | | | | MICHEL NAULT | | 9976 | | | | | |
| DRILLER SIGNATURE | | | | | | | | | | | | | | | GARRY DALE | | 9834 | | | | | |



Based on the CAODC ETS file standard

| SPUD | | RIG RELEASE | | JOB NO. | | AFE | | DAILY CHECKS | | DATE | | LAST | | G.S. (m) | | WELL ID | | WELL | | GRADE | | NO. OF JOINTS | | TOTAL DR. LENGTH | | WELL OPEN | | SET AT (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------|--|------------|-------------------------------------|----------------|----------|---|------|---|-------|--------------------------|------|-------------|---------|-----------------|------|----------------|-----|---------------|-------|---------------|-----|-------------------|------|------------|----------|------------|-------|--------|------|-----|------|---|--------------|-----|------|---|--------|-----|------|---|----------|-----|-------|---|----------|-----|-------|---|----------|-----|-------|-----|----------|-----|---------|----|----------|-----|--------|---|-----|-----|------|----|-----------|-----|--------|---|-----|-----|------|---|----------|-----|------|----|------|--------|--------|----|------|---------|--|-------|--|--|--|---------|-----------|----------|--|--|--|--|------|------|------|-----------|---------|----------|-------|-------|--|-------|-------|-------|------|-------------|-----|-------|-------|------|--------------------------|-------|--|-----|------|---------------|------|----------|-----|-------|---------|------|------------|------|----|-------------------------------------|------------|------|---------------|--------|-----|-------------------------------------|------------|----------|-------------|-------|----|-------------------------------------|---------|-------|--------------|----------|-----|-------------------------------------|----------|----------|----------------|---------|----|-------------------------------------|----------|--------|-----------------|------|-----|-------------------------------------|---------------|-----------|---------------|--------|----|-------------------------------------|-----|------|---|----------|-----|------|----|------|--------|--------|----|------|---------|--|-------|--|--|--|---------|-----------|----------|--|--|---|--|------|------|----|-----------|---------|------|------|-------|--|--|-------|-------|------|-------------|--|-------|-------|------|--------------------------------------|--|---|--|------|---------------|------|-----|-----|----|-------------|--|------------|------|----|-------------------------------------|---------|--|--------------|------|----|-------------------------------------|------------|--|---------------|------|----|-------------------------------------|---------|--|---------------|------|----|-------------------------------------|----------|--|--------------|------|----|-------------------------------------|----------|--|----------------|------|----|-------------------------------------|---------|--|------------|-------|----|-------------------------------------|------------|--|-----------------|-------|----|-------------------------------------|------------|--|--------------|-------|----|-------------------------------------|---------|--|----------------|-------|----|-------------------------------------|----------|--|----------------|-------|----|-------------------------------------|----------|--|----------------|------|----|-------------------------------------|
| LICENCE NO. | | WELL NAME AND NO. | | Well#2694C | | | | (1) Check Health and Safety Inspection (2) Check 4th Hand Inspection (3) Check 4th Hand Weekly Living Checklist (4) HSE Sign Posted (if required) (5) Well Leaks & Stick Diagram Status (6) Flow Line Status (7) BOP Data Parameters (8) Visually Inspect ROP, Hardware & Dogleg Lines (9) Rig Site Health and Safety Meeting (if applicable) (10) O.A. O.R. Rig Safety Inspection Checklist (if applicable) (11) Health Inspection: Safety Training or Learning (12) Crown Saver Checked (13) Motor Vibe Checked | | 13-Nov-2003 | | 9ETD | | 339.7 | | 3315.3 | | 101.20 | | Loadstar | | K55 | | 22 | | 301.52 | | 7.48 | | 309.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FUEL @ 8:00 | | 138 | | BOILER | | | | DCCP SIZE (mm) | | LINER MADE (m) | | GRADE | | MIN ID (mm) | | TOOL JT OD (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 412if | | PZ8 | | Gardner Denver | | 203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CURRENT CONDITION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | PZ8 | | Gardner Denver | | 203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIND DIRECTION | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WEATHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | INJURIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><th>NO.</th><th>BT</th><th>SIZE</th><th>DEPTH</th></tr> <tr><td>1</td><td>Bit # 26</td><td>216</td><td>0.25</td></tr> <tr><td>1</td><td>Motor</td><td>171</td><td>8.43</td></tr> <tr><td>3</td><td>Floater</td><td>174</td><td>2.29</td></tr> <tr><td>1</td><td>MWD</td><td>164</td><td>13.77</td></tr> <tr><td>1</td><td>X/O</td><td>167</td><td>0.77</td></tr> <tr><td>2</td><td>W.P. Flt</td><td>164</td><td>17.77</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>6.41</td></tr> <tr><td>1</td><td>NM Flex Pony</td><td>167</td><td>3.29</td></tr> <tr><td>1</td><td>NM X/O</td><td>166</td><td>0.73</td></tr> <tr><td>3</td><td>W.P. Flt</td><td>127</td><td>27.93</td></tr> <tr><td>9</td><td>W.P. Flt</td><td>127</td><td>85.25</td></tr> <tr><td>1</td><td>Repeater</td><td>164</td><td>10.66</td></tr> <tr><td>132</td><td>W.P. Flt</td><td>127</td><td>1250.96</td></tr> <tr><td>63</td><td>W.P. Flt</td><td>127</td><td>588.85</td></tr> <tr><td>1</td><td>X/O</td><td>127</td><td>0.80</td></tr> <tr><td>18</td><td>6 1/2 D.C</td><td>161</td><td>168.34</td></tr> <tr><td>1</td><td>X/O</td><td>159</td><td>0.64</td></tr> <tr><td>3</td><td>WF Float</td><td>170</td><td>3.19</td></tr> <tr><td>26</td><td>D.P.</td><td>STANDS</td><td>737.59</td></tr> <tr><td>26</td><td>D.P.</td><td>SINGLES</td><td></td></tr> <tr><td colspan="4">TOTAL</td><td>2927.92</td></tr> <tr><td>WT. OF DC</td><td colspan="3">89000.00</td></tr> </table> | | NO. | BT | SIZE | DEPTH | 1 | Bit # 26 | 216 | 0.25 | 1 | Motor | 171 | 8.43 | 3 | Floater | 174 | 2.29 | 1 | MWD | 164 | 13.77 | 1 | X/O | 167 | 0.77 | 2 | W.P. Flt | 164 | 17.77 | 1 | Jars | 165 | 6.41 | 1 | NM Flex Pony | 167 | 3.29 | 1 | NM X/O | 166 | 0.73 | 3 | W.P. Flt | 127 | 27.93 | 9 | W.P. Flt | 127 | 85.25 | 1 | Repeater | 164 | 10.66 | 132 | W.P. Flt | 127 | 1250.96 | 63 | W.P. Flt | 127 | 588.85 | 1 | X/O | 127 | 0.80 | 18 | 6 1/2 D.C | 161 | 168.34 | 1 | X/O | 159 | 0.64 | 3 | WF Float | 170 | 3.19 | 26 | D.P. | STANDS | 737.59 | 26 | D.P. | SINGLES | | TOTAL | | | | 2927.92 | WT. OF DC | 89000.00 | | | <table border="1"> <tr><th>NO.</th><th>BT</th><th>SIZE</th><th>DEPTH</th></tr> <tr><td>1</td><td>Bit # 26</td><td>216</td><td>0.25</td></tr> <tr><td>1</td><td>Motor</td><td>171</td><td>8.43</td></tr> <tr><td>3</td><td>Floater</td><td>174</td><td>2.29</td></tr> <tr><td>1</td><td>MWD</td><td>164</td><td>13.77</td></tr> <tr><td>1</td><td>X/O</td><td>167</td><td>0.77</td></tr> <tr><td>2</td><td>W.P. Flt</td><td>164</td><td>17.77</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>6.41</td></tr> <tr><td>1</td><td>NM Flex Pony</td><td>167</td><td>3.29</td></tr> <tr><td>1</td><td>NM X/O</td><td>166</td><td>0.73</td></tr> <tr><td>3</td><td>W.P. Flt</td><td>127</td><td>27.93</td></tr> <tr><td>9</td><td>W.P. 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Flt | 127 | 27.93 | 9 | W.P. Flt | 127 | 85.25 | 1 | Repeater | 164 | 10.66 | 132 | W.P. Flt | 127 | 1250.96 | 63 | W.P. Flt | 127 | 588.85 | 1 | X/O | 127 | 0.80 | 18 | 6 1/2 D.C | 161 | 168.34 | 1 | X/O | 159 | 0.64 | 3 | WF Float | 170 | 3.19 | 26 | D.P. | STANDS | 737.59 | 26 | D.P. | SINGLES | | TOTAL | | | | 2927.92 | WT. OF DC | 89000.00 | | | <table border="1"> <tr><th>TIME</th><th>FROM</th><th>TO</th><th>OPERATION</th><th>REMARKS</th></tr> <tr><td>0:00</td><td>0:00</td><td>11:00</td><td>Drill directional 216mm hole fr 2868M TO 2927m</td><td></td></tr> <tr><td>11:00</td><td>11:15</td><td>0:25</td><td>Rig Service</td><td></td></tr> <tr><td>11:15</td><td>12:00</td><td>0:75</td><td>Deviation Surveys Accumulated W/ MWD</td><td></td></tr> </table> | | TIME | FROM | TO | OPERATION | REMARKS | 0:00 | 0:00 | 11:00 | Drill directional 216mm hole fr 2868M TO 2927m | | 11:00 | 11:15 | 0:25 | Rig Service | | 11:15 | 12:00 | 0:75 | Deviation Surveys Accumulated W/ MWD | | <table border="1"> <thead> <tr><th>CREW</th><th>SOC. INS. NO.</th><th>NAME</th><th>HRS</th><th>YES</th><th>NO</th></tr> </thead> <tbody> <tr><td>Rig Manager</td><td></td><td>Joe Golden</td><td>8.00</td><td>JG</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Driller</td><td></td><td>Michel Nault</td><td>8.00</td><td>MN</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Derrickman</td><td></td><td>Steve St Onge</td><td>8.00</td><td>SS</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Motoman</td><td></td><td>Vaugh Pnychak</td><td>8.00</td><td>VP</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Gabriel Cote</td><td>8.00</td><td>GC</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Junior Grimard</td><td>8.00</td><td>JG</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Driller</td><td></td><td>Gordon Cyr</td><td>12.00</td><td>GC</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Derrickman</td><td></td><td>Donald Bergeron</td><td>12.00</td><td>DB</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Derrickman</td><td></td><td>Marco Lepage</td><td>12.00</td><td>ML</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Motoman</td><td></td><td>Rejean Laroche</td><td>12.00</td><td>RL</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Sebastien Cote</td><td>12.00</td><td>SC</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Junior Grimard</td><td>6.00</td><td>JG</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table> | | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | Rig Manager | | Joe Golden | 8.00 | JG | <input checked="" type="checkbox"/> | Driller | | Michel Nault | 8.00 | MN | <input checked="" type="checkbox"/> | Derrickman | | Steve St Onge | 8.00 | SS | <input checked="" type="checkbox"/> | Motoman | | Vaugh Pnychak | 8.00 | VP | <input checked="" type="checkbox"/> | Floorman | | Gabriel Cote | 8.00 | GC | <input checked="" type="checkbox"/> | Floorman | | Junior Grimard | 8.00 | JG | <input checked="" type="checkbox"/> | Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> | Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> | Derrickman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> | Motoman | | Rejean Laroche | 12.00 | RL | <input checked="" type="checkbox"/> | Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> | Floorman | | Junior Grimard | 6.00 | JG | <input checked="" type="checkbox"/> |
| NO. | BT | SIZE | DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bit # 26 | 216 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 171 | 8.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Floater | 174 | 2.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MWD | 164 | 13.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | W.P. Flt | 164 | 17.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM X/O | 166 | 0.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | W.P. Flt | 127 | 27.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | W.P. Flt | 127 | 85.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 164 | 10.66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | W.P. Flt | 127 | 1250.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | W.P. Flt | 127 | 588.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 127 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6 1/2 D.C | 161 | 168.34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 159 | 0.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | WF Float | 170 | 3.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D.P. | STANDS | 737.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D.P. | SINGLES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | 2927.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF DC | 89000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | BT | SIZE | DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bit # 26 | 216 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 171 | 8.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Floater | 174 | 2.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MWD | 164 | 13.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | W.P. Flt | 164 | 17.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM X/O | 166 | 0.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | W.P. Flt | 127 | 27.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | W.P. Flt | 127 | 85.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 164 | 10.66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | W.P. Flt | 127 | 1250.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | W.P. Flt | 127 | 588.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WT. OF DC | 89000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CREW | SOC. INS. NO. | NAME | HRS | YES | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Motoman | | Rejean Laroche | 12.00 | RL | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Floorman | | Junior Grimard | 6.00 | JG | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><th>NO.</th><th>BT</th><th>SIZE</th><th>DEPTH</th></tr> <tr><td>1</td><td>Bit # 26</td><td>216</td><td>0.25</td></tr> <tr><td>1</td><td>Motor</td><td>171</td><td>8.43</td></tr> <tr><td>3</td><td>Floater</td><td>174</td><td>2.29</td></tr> <tr><td>1</td><td>MWD</td><td>164</td><td>13.77</td></tr> <tr><td>1</td><td>X/O</td><td>167</td><td>0.77</td></tr> <tr><td>2</td><td>W.P. Flt</td><td>164</td><td>17.77</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>6.41</td></tr> <tr><td>1</td><td>NM Flex Pony</td><td>167</td><td>3.29</td></tr> <tr><td>1</td><td>NM X/O</td><td>166</td><td>0.73</td></tr> <tr><td>3</td><td>W.P. Flt</td><td>127</td><td>27.93</td></tr> <tr><td>9</td><td>W.P. Flt</td><td>127</td><td>85.25</td></tr> <tr><td>1</td><td>Repeater</td><td>164</td><td>10.66</td></tr> <tr><td>132</td><td>W.P. Flt</td><td>127</td><td>1250.96</td></tr> <tr><td>63</td><td>W.P. Flt</td><td>127</td><td>588.85</td></tr> <tr><td>1</td><td>X/O</td><td>127</td><td>0.80</td></tr> <tr><td>18</td><td>6 1/2 D.C</td><td>161</td><td>168.34</td></tr> <tr><td>1</td><td>X/O</td><td>159</td><td>0.64</td></tr> <tr><td>3</td><td>WF Float</td><td>170</td><td>3.19</td></tr> <tr><td>26</td><td>D.P.</td><td>STANDS</td><td>737.59</td></tr> <tr><td>26</td><td>D.P.</td><td>SINGLES</td><td></td></tr> <tr><td colspan="4">TOTAL</td><td>2927.92</td></tr> <tr><td>WT. OF DC</td><td colspan="3">89000.00</td></tr> </table> | | NO. | BT | SIZE | DEPTH | 1 | Bit # 26 | 216 | 0.25 | 1 | Motor | 171 | 8.43 | 3 | Floater | 174 | 2.29 | 1 | MWD | 164 | 13.77 | 1 | X/O | 167 | 0.77 | 2 | W.P. Flt | 164 | 17.77 | 1 | Jars | 165 | 6.41 | 1 | NM Flex Pony | 167 | 3.29 | 1 | NM X/O | 166 | 0.73 | 3 | W.P. Flt | 127 | 27.93 | 9 | W.P. Flt | 127 | 85.25 | 1 | Repeater | 164 | 10.66 | 132 | W.P. Flt | 127 | 1250.96 | 63 | W.P. Flt | 127 | 588.85 | 1 | X/O | 127 | 0.80 | 18 | 6 1/2 D.C | 161 | 168.34 | 1 | X/O | 159 | 0.64 | 3 | WF Float | 170 | 3.19 | 26 | D.P. | STANDS | 737.59 | 26 | D.P. | SINGLES | | TOTAL | | | | 2927.92 | WT. OF DC | 89000.00 | | | <table border="1"> <tr><th>TIME</th><th>FROM</th><th>TO</th><th>OPERATION</th><th>REMARKS</th></tr> <tr><td>12:00</td><td>12:00</td><td>22:45</td><td>Drill 216mm Directional Hole FR/2792m TO/2991m</td><td></td></tr> <tr><td>22:45</td><td>23:00</td><td>0:25</td><td>Rig Service</td><td></td></tr> <tr><td>23:00</td><td>24:00</td><td>1:00</td><td>Accum. surveys with MWD.</td><td></td></tr> </table> | | TIME | FROM | TO | OPERATION | REMARKS | 12:00 | 12:00 | 22:45 | Drill 216mm Directional Hole FR/2792m TO/2991m | | 22:45 | 23:00 | 0:25 | Rig Service | | 23:00 | 24:00 | 1:00 | Accum. surveys with MWD. | | <table border="1"> <thead> <tr><th>CREW</th><th>SOC. INS. NO.</th><th>NAME</th><th>HRS</th><th>YES</th><th>NO</th></tr> </thead> <tbody> <tr><td>Driller</td><td></td><td>Garry Dale</td><td>4.00</td><td>GD</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Derrickman</td><td></td><td>Marc Lyonnais</td><td>4.00</td><td>ML</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Derrickman</td><td></td><td>Pat St onge</td><td>4.00</td><td>PS</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Motoman</td><td></td><td>Pete St onge</td><td>4.00</td><td>PS</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Maxime Jacques</td><td>4.00</td><td>MJ</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Floorman</td><td></td><td>Robin Pelletier</td><td>4.00</td><td>RP</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>Rig Manager 2</td><td></td><td>Dan Pelletier</td><td>2.00</td><td>DP</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table> | | CREW | SOC. INS. NO. | NAME | HRS | YES | NO | Driller | | Garry Dale | 4.00 | GD | <input checked="" type="checkbox"/> | Derrickman | | Marc Lyonnais | 4.00 | ML | <input checked="" type="checkbox"/> | Derrickman | | Pat St onge | 4.00 | PS | <input checked="" type="checkbox"/> | Motoman | | Pete St onge | 4.00 | PS | <input checked="" type="checkbox"/> | Floorman | | Maxime Jacques | 4.00 | MJ | <input checked="" type="checkbox"/> | Floorman | | Robin Pelletier | 4.00 | RP | <input checked="" type="checkbox"/> | Rig Manager 2 | | Dan Pelletier | 2.00 | DP | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | BT | SIZE | DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bit # 26 | 216 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Motor | 171 | 8.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Floater | 174 | 2.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MWD | 164 | 13.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 167 | 0.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | W.P. Flt | 164 | 17.77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jars | 165 | 6.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM Flex Pony | 167 | 3.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NM X/O | 166 | 0.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | W.P. Flt | 127 | 27.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | W.P. Flt | 127 | 85.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Repeater | 164 | 10.66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | W.P. Flt | 127 | 1250.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | W.P. Flt | 127 | 588.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 127 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6 1/2 D.C | 161 | 168.34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | X/O | 159 | 0.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | WF Float | 170 | 3.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D.P. | STANDS | 737.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D.P. | SINGLES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | 2927.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF DC | 89000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | FROM | TO | OPERATION | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00 | 12:00 | 22:45 | Drill 216mm Directional Hole FR/2792m TO/2991m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22:45 | 23:00 | 0:25 | Rig Service | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23:00 | 24:00 | 1:00 | Accum. surveys with MWD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Driller | | Garry Dale | 4.00 | GD | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Derrickman | | Marc Lyonnais | 4.00 | ML | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Derrickman | | Pat St onge | 4.00 | PS | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motoman | | Pete St onge | 4.00 | PS | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Floorman | | Maxime Jacques | 4.00 | MJ | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Floorman | | Robin Pelletier | 4.00 | RP | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Manager 2 | | Dan Pelletier | 2.00 | DP | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE

Well#2694C, Well#2694C, Don Johnson

DAILY CHECKS, DATE 14-Nov-2003, LAST CASING TUBING OR LINER, O.D. (mm), LINEAR MASS, GRADE, MIN. I.D. (mm), TOOTH O.D. (mm), THREAD TYPE, PUMP TYPE, PUMP MANUFACTURER, STROKE (LTA) (mm)

Table with columns for TIME - HRS, RIG ASSEMBLY, DRILLING ASSEMBLY, MUD RECORD, MUD MATERIAL ADDED, SOLIDS CONTROL, MUD TYPE, WATER BASED, OIL BASED

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, OPERATOR, CONTRACTOR, RIG MANAGER, RIG NO., PROVINCE, CAMP, RIG SAFETY DAYS

Table with columns for BIT RECORD, MUD RECORD, MUD MATERIAL ADDED, SOLIDS CONTROL, MUD TYPE, WATER BASED, OIL BASED, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, DEVIATION SURVEY, DEPTH (m), DEVIATION (m), DIRECTION

Table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

Table with columns for BIT RECORD, MUD RECORD, MUD MATERIAL ADDED, SOLIDS CONTROL, MUD TYPE, WATER BASED, OIL BASED, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

Table with columns for METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, DEVIATION SURVEY, DEPTH (m), DEVIATION (m), DIRECTION

Table with columns for CREW, SOC. INS. NO., NAME, HRS, YES, NO, RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B

VERTICAL WELL

NOTES: Check brakes & linkage, stalling valve (open) & x/o. Check B.O.P.'s, manifold & degasser lines. Function crown saver.CD

NOTES: Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves. Function Crown Saver G.C.

First Tour, Second Tour



Based on the CAODC ETS file standard

| | | | |
|--|--|------------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | |
|---|--------------------------|--------------------------|
| DAILY CHECKS | OPTR. | R.M. |
| (1) Daily Wellhead Inspection | <input type="checkbox"/> | <input type="checkbox"/> |
| (2) Drilled Inspection Weekly (Landing Check) | <input type="checkbox"/> | <input type="checkbox"/> |
| (3) H2S Sign. Periodic (7 required) | <input type="checkbox"/> | <input type="checkbox"/> |
| (4) Well Control & B.C. Diagram Periodic | <input type="checkbox"/> | <input type="checkbox"/> |
| (5) Flow Log, Head | <input type="checkbox"/> | <input type="checkbox"/> |
| (6) BOP Drills Plan/Prod | <input type="checkbox"/> | <input type="checkbox"/> |
| (7) Visually Inspect BOP's Flares & Degasser Lines | <input type="checkbox"/> | <input type="checkbox"/> |
| (8) Rig Gas Health and Safety Meeting (on-site/remote) | <input type="checkbox"/> | <input type="checkbox"/> |
| (9) C.A.O.D. Rig Safety Inspection Checklist (on-site/remote) | <input type="checkbox"/> | <input type="checkbox"/> |
| (10) Mast Inspection Before Raising or Lowering | <input type="checkbox"/> | <input type="checkbox"/> |
| (11) Down Stop Checked | <input type="checkbox"/> | <input type="checkbox"/> |
| (12) Misc. Error Checked | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | | | | | | | | | | |
|-------------|-------------|---------------------------|------|-----------|-------|--------|--------|--------|----------|-------|---------|------|---------|--------------------|------|------------|--------|
| DATE | 16-Nov-2003 | LAST CASING TUBING OR RIG | 9ETD | O.D. (mm) | 339.7 | 3315.3 | 101.20 | MARK | Loadstar | GRADE | K55 | 22 | 301.52 | KB TO CAS HEAD (m) | 7.48 | SET AT (m) | 309.00 |
| FUEL @ 8:00 | | | | | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | | | |
| RIG | 126 | BOILER | | | | | | | | | | | | | | | |

| | | | | | | | | | | |
|-------------------|----------------|------------------|-------|-------------|-----------|-------------|---------------|-----------|-------------------|------------------|
| TEMPERATURE | DCDP SIZE (mm) | LINEAR MANS (mm) | GRADE | MK. ID (mm) | T.D. (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (Ltr/min) |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2H | | PZ8 | Gardner Denver | 203 |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | | |
|------------------|-------------|------------------|---|
| SHALE SHAKER(S) | | | |
| RENTALS/SERVICES | | | |
| WELL NAME & No. | SF-18 | DATE | 16-Nov-2003 |
| OPERATOR | Intragaz | CONTRACTOR | Nabors Drilling Limited |
| RIG MANAGER | Don Johnson | RIG NO. | 9ETD |
| PROVINCE | Quebec | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| | | RIG SAFETY DAYS: | 250.00 |

| | | | |
|-----------|----------|--|--------------------|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. |
|-----------|----------|--|--------------------|

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|----------|---|------------|------|---|-------|----------|
| TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | FIRST TOUR | 0:00 | TO | 12:00 | INJURIES |
| FROM | TO | ETA | Code | | | |
| 0:00 | 7:30 | 7.50 | 12 | Make up shoe, float, packer, ECP tool and run liner. | | |
| 7:30 | 8:30 | 1.00 | 21 | Make Up Liner Hanger | | |
| 8:30 | 8:45 | 0.25 | 21 | Safety Meeting | | |
| 8:45 | 10:30 | 1.75 | 12 | Run DP On Top Of Liner Strap Pipe & Drift RIH To1050m | | |
| 10:30 | 12:00 | 1.50 | 12 | Install Rotating Head Rubber Put In Stabbing Valve & Purge Drillstring @ 10 m3/min For 15 Mins,Pump N2 Down Annulus Side Thru Kill line | | |

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|---------------|---------------|-----------------|-------|-----|--------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | PS | <input type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | MJ | <input type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> |

| | | | | | | | | | | |
|-------------------|------------|----------|-------|----------------|------------------|--------------|----------|----------|------------------|----------|
| DRILLER SIGNATURE | Garry Dale | HRS. RUN | 12.00 | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| | | | | Running liner. | | | | | | |

| | | | | | | |
|----------|---|-------------|-------|--|-------|----------|
| TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | SECOND TOUR | 12:00 | TO | 24:00 | INJURIES |
| FROM | TO | ETA | Code | | | |
| 12:00 | 14:00 | 2.00 | 12 | Press Well To 8000kpa,Pump 12 m3 Down Drill Pipe, Open DDValve & Monitor Pressures | | |
| 14:00 | 20:00 | 6.00 | 12 | Run Liner On DP Strap & Drift DP to 1792m. | | |
| 20:00 | 24:00 | 4.00 | 22 | Tight @ 1792m. Work tight hole. | | |

| | | | | | |
|------------|---------------|-------------------|-------|-----|--------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 12.00 | GC | <input type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input type="checkbox"/> |
| Derrickman | | Marco Lepage | 12.00 | ML | <input type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input type="checkbox"/> |

| | | | | | | | | | | |
|-------------------|------------|----------|-------|---------------------|------------------|--------------|----------|----------|------------------|----------|
| DRILLER SIGNATURE | Gordon Cyr | HRS. RUN | 12.00 | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| | | | | Drifting Drill Pipe | 84.00 | | | | | |



Based on the CAODC ETS file standard

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|---|--|--|--|--|--|
| SPUD RIG RELEASE: Well2694C JOB NO: 2694C APE: | | DAILY CHECKS (1) Daily Wellhead Inspection (2) Unleaded Gasoline (not by hand checked) (3) H2S Signs (not by hand checked) (4) Well Losses & Slack Diagram Period (5) Flow Line Stated (6) RST Data Performed (7) Visually Inspected 100% Functions A, Degasser, LMS (8) Rig Site Health and Safety Meeting (10/10/2003) (9) CAODC Rig Safety Inspection Checklist (10/10/2003) (10) Well Inspection Before Making up Lining (11) Crown Saver Checked (12) Motor Kils Checked | | DATE: 17-Nov-2003 LAST CASING TUBING OR LIMER: 9ETD O.D. (mm): 339.7 W.H. (mm): 3315.3 W.P. (mm): 101.20 NAME: Loadstar GRADE: K55 NO OF JOINTS: 22 TOTAL JOINT LENGTH: 301.52 HR TO CGG (HEAD IN): 7.48 SET AT (m): 309.00 FUEL @ 8:00: 244.5 220.5 69.90 CANTAK L80 123 1671.52 7.48 1679.00 | |
| LICENCE NO.: WELL NAME AND NO.: Well2694C OPERATOR: Intragaz SURFACE LOCATION: Saint Flavien SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss | | CONTRACTOR: Nabors Drilling Limited UNIQUE ID: SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson | | WEATHER: TEMPERATURE: 127.00 CURRENT CONDITION: 29.00 E WIND DIRECTION: 171.00 WIND SPEED: 174.00 DC ROAD: 228.00 236.00 DC 74.00 228.00 7190 3 | |
| TIME - HRS: OPER: 4.00 DAY: 12.00 EVE: 12.00 TOTAL: 16.00 | | SHALE SHAKER(S): NO. 1 TYPE: 210 NO. 2 TYPE: 210 SCREENS: 210 TOP, 210 MIDDLE, 210 BOTTOM | | RENTALS/SERVICES: GARDNER DENVER: 203 GARDNER DENVER: 203 | |
| WELL TYPE: SF-18 RE-ENTRY: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO NO TO GROUND ELEV.: WELL NAME & No.: Well2694C DATE: 17-Nov-2003 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited RIG MANAGER: Don Johnson RIG NO.: 9ETD PROVINCE: Quebec CAMP: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO RIG SAFETY DAYS: 251.00 | | MUD RECORD: BIT NO.: SIZE: WDC CODE: 1035 MFG.: 39 TYPE: W.L. 1035 SERIAL NO.: DEPTH OUT (m): 8.0 DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: MUD MATERIAL ADDED: PRODUCT: xanvis 3 sk citric acid 1 sk H2O 2 floctank SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED: FROM: 0:00 TO: 6:30 TO: 6:30 TO: 8:00 TO: 8:00 TO: 10:30 TO: 10:30 TO: 12:00 TIME LOG: 0:00 6:30 6:50 22 6:30 8:00 1:50 22 8:00 10:30 2:50 12 10:30 12:00 1:50 12 DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: 22 Fill annulus and drill string in stages. 22 Break circulation @ 200 l/min. Establish consistent flow. 12 Circulate Liner Down To 1952m 12 Tight Spot @ 1952m Work String | |
| BIT RECORD: BIT NO.: SIZE: WDC CODE: MFG.: TYPE: SERIAL NO.: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: MUD MATERIAL ADDED: PRODUCT: xanvis 3 sk citric acid 1 sk H2O 2 floctank SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED: FROM: 12:00 TO: 22:30 TO: 22:30 TO: 24:00 TIME LOG: 12:00 22:30 10:00 12 22:00 24:00 2:00 12 DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: 12 Start N2 @ 5m3/min increasing to 40m3/min. Fluid rate @ 600 l/min decreasing to 100 l/min. Working string within directed parameters. 12 N2 rate @ 40m3/min. Fluid rate @ 0. Work string as directed. | | CREW SCHEDULE: REGULAR: <input checked="" type="checkbox"/> REPAIR: <input type="checkbox"/> NIGHT: <input type="checkbox"/> DRIVER A: Garry Dale CREW SAFETY DAYS: DRIVER B: | |
| BIT RECORD: BIT NO.: SIZE: WDC CODE: MFG.: TYPE: SERIAL NO.: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: MUD MATERIAL ADDED: PRODUCT: xanvis 3 sk citric acid 1 sk H2O 2 floctank SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED: FROM: 12:00 TO: 12:00 TO: 12:00 TO: 12:00 TIME LOG: 12:00 12:00 12:00 12 DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: 12 Tight hole | | CREW SCHEDULE: REGULAR: <input checked="" type="checkbox"/> REPAIR: <input type="checkbox"/> NIGHT: <input type="checkbox"/> DRIVER A: Garry Dale CREW SAFETY DAYS: DRIVER B: | |
| BIT RECORD: BIT NO.: SIZE: WDC CODE: MFG.: TYPE: SERIAL NO.: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: MUD MATERIAL ADDED: PRODUCT: xanvis 3 sk citric acid 1 sk H2O 2 floctank SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED: FROM: 12:00 TO: 12:00 TO: 12:00 TO: 12:00 TIME LOG: 12:00 12:00 12:00 12 DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: 12 Tight hole | | CREW SCHEDULE: REGULAR: <input checked="" type="checkbox"/> REPAIR: <input type="checkbox"/> NIGHT: <input type="checkbox"/> DRIVER A: Gordon Cyr CREW SAFETY DAYS: DRIVER B: | |



Based on the CAODC ETS file standard

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|-------------------|--|--------------------------------|--|---|--|------------------------------------|--|--------------|--|------------------|--|-----------------------------|--|-------------|--|----------------|--|--------------------|--|----------|--|-------------|--|-------------------|--|------------------|--|--------------------|--|----------------|--|-------------------|--|-------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 19-Nov-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | MIN.D. (mm) | | WT. (kg) | | MERE | | GRADE | | NO. JOINTS | | TOTAL IN. LENGTH | | KB TO CGS HEAD (m) | | SET AT (m) | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well2694C | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | RIG NO. 9ETD | | FUEL @ 8:00 | | 339.7 | | 3315.3 | | 101.20 | | Loadstar | | K55 | | 22 | | 301.52 | | 7.48 | | 309.00 | | | | | |
| OPERATOR Intragaz | | SURFACE LOCATION Saint Flavian | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | RIG 162 | | BOILER | | TEMPERATURE | | DCOP SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIN ID (mm) | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (mm) | |
| | | | | | | | | | | | | | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2IF | | P28 | | Gardner Denver | | 203 | | | | | |
| | | | | | | | | | | | | | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | P28 | | Gardner Denver | | 203 | | | |
| | | | | | | | | | | | | | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | | | |

| | | | | | | | | | | | |
|-------------------|--|---|--|--------------------|--|-------------------------|--|--|--|-----------|--|
| WELL TYPE | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | DATE 19-Nov-2003 | | Well2694C | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | RIG SAFETY DAYS: 253.00 | | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | |

| | | | | | | | | | | | | | |
|--------------------------|--|---|--|---------------------|--|-------------|--|---|--|--------------------------|--|-----------------|--|
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 to 12:00 | | INJURIES | |
| BIT NO. | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | FROM TO | | FROM TO | | Pump 4.2m3 down drill pipe @ 100 l/min. | | CREW | | SOC. INS. NO. | |
| SIZE | | TIME 02:00 06:00 10:00 | | 0:00 0:30 0:50 12 | | 0:00 0:30 | | Bleed back any N2 migrated to surface in drill string. | | Driller | | NAME | |
| IADC CODE | | 1020 1020 1020 | | 0:30 1:45 1:25 12 | | 0:30 1:45 | | Pump 5m3 fluid down annulus thru upper kill line. | | Derrickman | | Garry Dale | |
| MFG. | | 37 36 36 | | 1:45 2:00 1:00 12 | | 1:45 2:00 | | While bleeding any gas migrated to surface from annulus thru Weatherford, pump 4.2m3 fluid down drill pipe. | | Derrickman | | Marc Lyonnais | |
| TYPE | | W.L. (cm3) 12.0 11.0 10.0 | | 2:00 3:00 1:25 12 | | 2:00 3:00 | | Bleed back any N2 migrated to surface in drill string. | | Derrickman | | Pat St onge | |
| SERIAL NO. | | PH | | 3:00 4:15 1:25 12 | | 3:00 4:15 | | Pump 550 liters fluid returned from last bleed off back down drill pipe. Con't bleeding down annulus. | | Motorman | | Pete St onge | |
| JETS | | PVT | | 4:15 5:30 1:25 12 | | 4:15 5:30 | | Pump 2.6m3 fluid down annulus. | | Floorman | | Maxime Jacques | |
| DEPTH OUT (m) | | MUD MATERIAL ADDED | | 6:15 6:30 0:25 12 | | 6:15 6:30 | | Shut in well @ 2600kpa. Monitor same. | | Floorman | | Robin Pelletier | |
| DEPTH IN (m) | | PRODUCT AMOUNT x UNIT | | 7:15 7:45 0:50 12 | | 7:15 7:45 | | Pump 2 m3 Down DP | | Rig Manager 2 | | Dan Pelletier | |
| TOTAL METERS DRILLED (m) | | xanvis 2sx 12.00 1020 1020 1880 | | 7:45 8:15 0:50 12 | | 7:45 8:15 | | Bleed Off Press On DP Side | | | | | |
| TOTAL HOURS RUN | | csustic 2sx 12.00 1020 1020 1880 | | 8:15 8:30 0:25 12 | | 8:15 8:30 | | Pump 1 m3 Down DP Side | | | | | |
| CUTTING STRUCTURE | | h2O cent#2 | | 8:30 8:45 0:25 12 | | 8:30 8:45 | | Bleed Off Press | | | | | |
| HOLE CONDITION | | | | 8:45 10:15 1:50 12 | | 8:45 10:15 | | Circulate String @ 500lpm | | | | | |
| HOLE DRAG | | | | 10:15 11:30 1:25 12 | | 10:15 11:30 | | Shut Off Pump Break Off Topdrive, Install Stabbing Valve, & Monitor Open Drill Pipe For Flow | | | | | |
| TORQUE AT BOTTOM | | | | 11:30 12:00 0:50 12 | | 11:30 12:00 | | Take Out Stabbing Valve, Screw In Topdrive & Circulate | | | | | |
| FILL ON BOTTOM (m) | | | | | | | | | | | | | |
| D.P. STABBS | | | | | | | | | | | | | |
| D.P. SINGLES | | | | | | | | | | | | | |
| KELLYDOWN | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| WT. OF UC | | | | | | | | | | | | | |
| WT. OF STRING | | | | | | | | | | | | | |

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|--------------------------|--|---|--|---------------------|--|-------------|--|--|--|----------------------------|--|-------------------|--|
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 to 24:00 | | INJURIES | |
| BIT NO. | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | FROM TO | | FROM TO | | Circulate String @ 500 lpm | | CREW | | SOC. INS. NO. | |
| SIZE | | TIME 18:00 | | 12:00 13:00 1:00 12 | | 12:00 13:00 | | Shut Off Pump, Shut In Well & Monitor Pressures | | Driller | | NAME | |
| IADC CODE | | 1020 | | 13:00 13:30 0:50 12 | | 13:00 13:30 | | Pump 10 m3 Xanvis Water Down DP & Chase To Shoe | | Derrickman | | Gordon Cyr | |
| MFG. | | 36 | | 13:30 14:30 1:00 12 | | 13:30 14:30 | | Bleed Off Press On DP & Annulus Side & Conduct Compressability Test . & Wait On Orders | | Derrickman | | Donald Bergeron | |
| TYPE | | W.L. (cm3) 9.5 | | 14:30 15:30 1:00 12 | | 14:30 15:30 | | Perform Injection Test | | Motorman | | Marco Lepage | |
| SERIAL NO. | | PH | | 15:30 17:30 2:00 12 | | 15:30 17:30 | | Pump 10 m3 Cal Carb Pill Down DP, Followed By 5 m3 Xanvis Pill & Displaced | | Floorman | | Rejean Larochelle | |
| JETS | | PVT | | 17:30 18:45 1:25 12 | | 17:30 18:45 | | Squeeze Cal-Carb Pill. Maintain 6000kpa casing pressure. | | Floorman | | Sebastien Cote | |
| DEPTH OUT (m) | | MUD MATERIAL ADDED | | 18:45 24:00 5:25 12 | | 18:45 24:00 | | | | Floorman | | Junior Grimard | |
| DEPTH IN (m) | | PRODUCT AMOUNT x UNIT | | | | | | | | | | | |
| TOTAL METERS DRILLED (m) | | Calcium Carb 134 SX 1.00 | | | | | | | | | | | |
| TOTAL HOURS RUN | | calcium nitrate 10 SX 1.00 | | | | | | | | | | | |
| CUTTING STRUCTURE | | | | | | | | | | | | | |
| HOLE CONDITION | | | | | | | | | | | | | |
| HOLE DRAG | | | | | | | | | | | | | |
| TORQUE AT BOTTOM | | | | | | | | | | | | | |
| FILL ON BOTTOM (m) | | | | | | | | | | | | | |
| D.P. STABBS | | | | | | | | | | | | | |
| D.P. SINGLES | | | | | | | | | | | | | |
| KELLYDOWN | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| WT. OF UC | | | | | | | | | | | | | |
| WT. OF STRING | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|-------------------|--|-----|
| SPUD | RIG RELEASE | JOB NO. | AFE |
| LICENCE NO. | WELL NAME AND NO. | Well2694C | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | |
| SURFACE LOCATION Saint Flavien | | UNIQUE ID: | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orri Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |

| | | | | | | | | | | | | | | |
|------|-------------|-----------------------|-------|-----------|-------|--------|--------|------|----------|------|---------|--------|------|--------|
| DATE | 19-Nov-2003 | LAST CASING TUBING OR | 9ETD | O.D. (mm) | 339.7 | 3315.3 | 101.20 | MSSE | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG | 162 | LINEAR MASS | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | | |

| | | | | | | | | | | |
|-------------------|-----------|-------------|------|---------|---------------|-------------|---------------|----------------|-------------------|--------|
| TEMPERATURE | DEEP SIZE | LINEAR MASS | MSSE | MIN. ID | TOOL JT. O.D. | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2f | PZ8 | Gardner Denver | 203 | |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | | |
|-----------------|-------------|---|---|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. | SF-18 | Well2694C | DATE |
| OPERATOR | Intragaz | Nabors Drilling Limited | 19-Nov-2003 |
| RIG MANAGER | Don Johnson | RIG NO. | 9ETD |
| PROVINCE | Quebec | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| | | RIG SAFETY DAYS: | 253.00 |

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------------|----|------------------------------|--|
| BIT RECORD | | MUD RECORD | |
| BIT NO. | | MUD TYPE | <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED |
| SIZE | | TIME | 02:00 06:00 10:00 |
| IADC CODE | | DENSITY (g/cm ³) | 1020 1020 1020 |
| MFG. | | FUNNEL VISC. (cP) | 37 36 36 |
| TYPE | | W.L. (cm3) | 12.0 11.0 10.0 |
| SERIAL NO. | | PH | |
| UETS | | PVT | |
| DEPTH OUT (m) | | MUD MATERIAL ADDED | |
| DEPTH IN (m) | | PRODUCT | AMOUNT x UNIT |
| TOTAL METERS DRILLED | | xarvis | 2sx |
| TOTAL HOURS RUN | | csustic | 2sx |
| CUTTING STRUCTURE | | SOLIDS CONTROL | |
| T1 | T2 | T3 | T4 |
| HOLE CONDITION | | Centrifuge #1 | |
| HOLE DRAG | | Centrifuge #2 | |
| TORQUE AT BOTTOM | | h2O | |
| FILL ON BOTTOM (m) | | | |

| | | | | | |
|----------------------------|----|------------------|-------|---|----|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM | TO | FROM | TO | String @ 500 lpm | |
| 3041.00 | | 11:30 | 12:00 | 0.50 | 12 |
| CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
| 127 | | 127 | | 127 | |
| REDUCED PUMP SPEED | | DEVIATION SURVEY | | DEPTH (m) | |
| | | | | | |
| DRILLER SIGNATURE | | ROTOR #1 & 2 | | OPERATOR FUEL | |
| Garry Dale | | 12.00 | | Communication 10118 | |

| | | | | | |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motoman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| | | | |
|----------------------|----|------------------------------|--|
| BIT RECORD | | MUD RECORD | |
| BIT NO. | | MUD TYPE | <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED |
| SIZE | | TIME | 18:00 |
| IADC CODE | | DENSITY (g/cm ³) | 1020 |
| MFG. | | FUNNEL VISC. (cP) | 36 |
| TYPE | | W.L. (cm3) | 9.5 |
| SERIAL NO. | | PH | |
| UETS | | PVT | |
| DEPTH OUT (m) | | MUD MATERIAL ADDED | |
| DEPTH IN (m) | | PRODUCT | AMOUNT x UNIT |
| TOTAL METERS DRILLED | | Calcium Carb | 134 SX |
| TOTAL HOURS RUN | | calciumnitrate | 10 SX |
| CUTTING STRUCTURE | | SOLIDS CONTROL | |
| T1 | T2 | T3 | T4 |
| HOLE CONDITION | | Centrifuge #1 | |
| HOLE DRAG | | Centrifuge #2 | |
| TORQUE AT BOTTOM | | | |
| FILL ON BOTTOM (m) | | | |

| | | | | | |
|----------------------------|----|------------------|----|---|--|
| METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| FROM | TO | FROM | TO | Stabbing Valve | |
| 3041.00 | | | | | |
| CIRCULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
| 127 | | 127 | | 127 | |
| REDUCED PUMP SPEED | | DEVIATION SURVEY | | DEPTH (m) | |
| | | | | | |
| DRILLER SIGNATURE | | ROTOR #1 & 2 | | OPERATOR FUEL | |
| Gordon Cyr | | 12.00 | | Stabbing Valve | |

| | | | | | |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> |
| Motoman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grmard | 12.00 | JG | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|---|--|-------------------|------------------|-----------------------------|-------|--------------|--------------------|-------------|---------------|-----------|-------------------|----------------|----------------|------|-----------|--------|--------------------|------|------------|--------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | | | | | | | | | | | | | | | | | | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well2694C | (1) Daily Work Around Inspection (2) Circled Inspection Weekly using checklist (3) H2S Spills Periodic if required (4) Well Losses & Block Diagram Periodic (5) Flow Line Stated (6) BOP Drills Performed (7) Visually Inspect BOP's Flangeless & Degasser Lines (8) Rig Gas Health and Safety Meeting (conducted weekly) (9) C.A.O.D.C Rig Safety Inspection Checklist (conducted monthly) (10) Mast Inspection Below Raising or Lowering (11) Crown Block Checked (12) Mast Oil Checked | | | | | | | | | | | | | | | | | | | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | WEATHER | | | | | | | | | | | | | | | | | | |
| SURFACE LOCATION Saint Flavian | | UNIQUE ID: | | DATE | 20-Nov-2003 | LAST CASING TUBING OR LINER | 9ETD | O.D. (mm) | 339.7 | 3315.3 | 101.20 | Loadstar | GRADE | K55 | NO. OF JOINTS | 22 | TOTAL (m) | 301.52 | KB TO CSR HEAD (m) | 7.48 | SET AT (m) | 309.00 |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | RIG | 147 | BOILER | | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | | | | |
| | | | | TEMPERATURE | DC/DSP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN. ID (mm) | FOUL. JT O.D. (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | | Gardner Denver | | 203 | | | | | |
| | | | | CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2H | PZ8 | | | Gardner Denver | | 203 | | | | | | |
| | | | | WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | | | | | | | | | | |
| | | | | ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | | | | | | | | | |

| TIME - HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| GAZ | | | | | | | | | | | | | | | | | | | | | | | | | |
| WDR | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | |

| TIME LOG | DETAILED OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------|-------|-----------|--|---------|------|------|------|----|---------|---|------|------|------|----|--|--|------|------|------|----|--|---|------|------|------|----|--|---------------------------------------|------|------|------|----|--|--|------|------|------|----|--|---------------------|------|------|------|----|--|------------------------------|------|------|------|----|--|---------------------------------------|------|-------|------|----|--|----------------------------------|-------|-------|------|---|--|-------------------|---|------|-----|-----|-----|-----------|---------|-------|-------|-------|--|--|--|
| <table border="1"> <tr> <th>FROM</th> <th>TO</th> <th>START</th> <th>STOP</th> <th>DEPTH</th> <th>REMARKS</th> </tr> <tr> <td>0:00</td> <td>0:30</td> <td>0.50</td> <td>12</td> <td>3041.00</td> <td>Bleed down casing pressure & pump 2m3 down drill pipe to push viscous pill out of shoe.</td> </tr> <tr> <td>0:30</td> <td>1:15</td> <td>0.75</td> <td>12</td> <td></td> <td>Using #1 pump to pump down drill pipe & #2 pump to pump down annulus, squeeze & push pill down below shoe.</td> </tr> <tr> <td>1:15</td> <td>1:45</td> <td>0.50</td> <td>12</td> <td></td> <td>Stop pumps when casing pressure reached 6000kpa. Hold squeeze & monitor casing/standpipe pressures.</td> </tr> <tr> <td>1:45</td> <td>2:00</td> <td>0.25</td> <td>12</td> <td></td> <td>Bleed down pressure thru Weatherford.</td> </tr> <tr> <td>2:00</td> <td>4:45</td> <td>2.75</td> <td>12</td> <td></td> <td>Circulate string. Start circ. @ 200 l/min increasing to 500 l/min.</td> </tr> <tr> <td>4:45</td> <td>5:00</td> <td>0.25</td> <td>12</td> <td></td> <td>Rig in cement head.</td> </tr> <tr> <td>5:00</td> <td>6:45</td> <td>1.75</td> <td>12</td> <td></td> <td>Circulate string @ 500 l/min</td> </tr> <tr> <td>6:45</td> <td>7:15</td> <td>0.50</td> <td>21</td> <td></td> <td>safety meeting about cementing liner.</td> </tr> <tr> <td>7:15</td> <td>11:45</td> <td>4.50</td> <td>12</td> <td></td> <td>Press test lines & cement liner.</td> </tr> <tr> <td>11:45</td> <td>12:00</td> <td>0.25</td> <td>6</td> <td></td> <td>Pooch up to 1040m</td> </tr> </table> | FROM | TO | START | STOP | DEPTH | REMARKS | 0:00 | 0:30 | 0.50 | 12 | 3041.00 | Bleed down casing pressure & pump 2m3 down drill pipe to push viscous pill out of shoe. | 0:30 | 1:15 | 0.75 | 12 | | Using #1 pump to pump down drill pipe & #2 pump to pump down annulus, squeeze & push pill down below shoe. | 1:15 | 1:45 | 0.50 | 12 | | Stop pumps when casing pressure reached 6000kpa. Hold squeeze & monitor casing/standpipe pressures. | 1:45 | 2:00 | 0.25 | 12 | | Bleed down pressure thru Weatherford. | 2:00 | 4:45 | 2.75 | 12 | | Circulate string. Start circ. @ 200 l/min increasing to 500 l/min. | 4:45 | 5:00 | 0.25 | 12 | | Rig in cement head. | 5:00 | 6:45 | 1.75 | 12 | | Circulate string @ 500 l/min | 6:45 | 7:15 | 0.50 | 21 | | safety meeting about cementing liner. | 7:15 | 11:45 | 4.50 | 12 | | Press test lines & cement liner. | 11:45 | 12:00 | 0.25 | 6 | | Pooch up to 1040m | <table border="1"> <tr> <th>TIME</th> <th>HRS</th> <th>MIN</th> <th>SEC</th> <th>DEPTH (m)</th> <th>REMARKS</th> </tr> <tr> <td>02:00</td> <td>04:00</td> <td>10:00</td> <td></td> <td></td> <td></td> </tr> </table> | TIME | HRS | MIN | SEC | DEPTH (m) | REMARKS | 02:00 | 04:00 | 10:00 | | | |
| FROM | TO | START | STOP | DEPTH | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0:00 | 0:30 | 0.50 | 12 | 3041.00 | Bleed down casing pressure & pump 2m3 down drill pipe to push viscous pill out of shoe. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0:30 | 1:15 | 0.75 | 12 | | Using #1 pump to pump down drill pipe & #2 pump to pump down annulus, squeeze & push pill down below shoe. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1:15 | 1:45 | 0.50 | 12 | | Stop pumps when casing pressure reached 6000kpa. Hold squeeze & monitor casing/standpipe pressures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1:45 | 2:00 | 0.25 | 12 | | Bleed down pressure thru Weatherford. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2:00 | 4:45 | 2.75 | 12 | | Circulate string. Start circ. @ 200 l/min increasing to 500 l/min. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:45 | 5:00 | 0.25 | 12 | | Rig in cement head. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5:00 | 6:45 | 1.75 | 12 | | Circulate string @ 500 l/min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6:45 | 7:15 | 0.50 | 21 | | safety meeting about cementing liner. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7:15 | 11:45 | 4.50 | 12 | | Press test lines & cement liner. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:45 | 12:00 | 0.25 | 6 | | Pooch up to 1040m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | HRS | MIN | SEC | DEPTH (m) | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02:00 | 04:00 | 10:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TIME LOG | DETAILED OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------|-------|-----------|---|---------|-------|-------|-------|------|---|-----------------------------|-------|-------|------|---|--|---|-------|-------|------|---|--|--|-------|-------|------|----|--|---|-------|-------|------|----|--|-------------------------|-------|-------|------|---|--|---------------|-------|-------|------|----|--|-------------------------------------|-------|-------|------|---|--|--|-------|-------|------|---|--|--|-------|-------|------|---|--|---|-------|-------|------|---|--|---|---|------|-----|-----|-----|-----------|---------|-------|-------|-------|--|--|--|
| <table border="1"> <tr> <th>FROM</th> <th>TO</th> <th>START</th> <th>STOP</th> <th>DEPTH</th> <th>REMARKS</th> </tr> <tr> <td>12:00</td> <td>12:15</td> <td>15:15</td> <td>3.00</td> <td>5</td> <td>Finish to pooch up to 1095m</td> </tr> <tr> <td>12:15</td> <td>15:15</td> <td>3.00</td> <td>5</td> <td></td> <td>Brake circ at 1m/3 min & raise up to 2m/3 min w/fresh water & WASH THROUGH DDV WITH END OF 73MM STINGER</td> </tr> <tr> <td>15:15</td> <td>16:30</td> <td>1.25</td> <td>6</td> <td></td> <td>Pooch 15 stds of 29kg & run back in with 10 stds dp 38kg</td> </tr> <tr> <td>16:30</td> <td>16:45</td> <td>0.25</td> <td>21</td> <td></td> <td>Safety meeting with fi canada pipe handlers</td> </tr> <tr> <td>16:45</td> <td>17:45</td> <td>1.00</td> <td>22</td> <td></td> <td>Rig up lay down machine</td> </tr> <tr> <td>17:45</td> <td>19:00</td> <td>1.25</td> <td>6</td> <td></td> <td>Lay down pipe</td> </tr> <tr> <td>19:00</td> <td>19:15</td> <td>0.25</td> <td>21</td> <td></td> <td>Safety Meeting W FI & New Floorhand</td> </tr> <tr> <td>19:15</td> <td>21:45</td> <td>2.50</td> <td>6</td> <td></td> <td>Lay Down Drill Pipe & Lay Out Liner Running Tool</td> </tr> <tr> <td>21:45</td> <td>22:45</td> <td>1.00</td> <td>6</td> <td></td> <td>Run in 7 STDs DP & Lay Down 21 Singles</td> </tr> <tr> <td>22:45</td> <td>23:00</td> <td>0.25</td> <td>7</td> <td></td> <td>Rig Service Function TPR Blind & BPR C/O 6 secs</td> </tr> <tr> <td>23:00</td> <td>24:00</td> <td>1.00</td> <td>6</td> <td></td> <td>Measure Bit Sub X/o,s & 27jts HWDP, Make Up Bit, Bit Sub & Pick Up HWDP</td> </tr> </table> | FROM | TO | START | STOP | DEPTH | REMARKS | 12:00 | 12:15 | 15:15 | 3.00 | 5 | Finish to pooch up to 1095m | 12:15 | 15:15 | 3.00 | 5 | | Brake circ at 1m/3 min & raise up to 2m/3 min w/fresh water & WASH THROUGH DDV WITH END OF 73MM STINGER | 15:15 | 16:30 | 1.25 | 6 | | Pooch 15 stds of 29kg & run back in with 10 stds dp 38kg | 16:30 | 16:45 | 0.25 | 21 | | Safety meeting with fi canada pipe handlers | 16:45 | 17:45 | 1.00 | 22 | | Rig up lay down machine | 17:45 | 19:00 | 1.25 | 6 | | Lay down pipe | 19:00 | 19:15 | 0.25 | 21 | | Safety Meeting W FI & New Floorhand | 19:15 | 21:45 | 2.50 | 6 | | Lay Down Drill Pipe & Lay Out Liner Running Tool | 21:45 | 22:45 | 1.00 | 6 | | Run in 7 STDs DP & Lay Down 21 Singles | 22:45 | 23:00 | 0.25 | 7 | | Rig Service Function TPR Blind & BPR C/O 6 secs | 23:00 | 24:00 | 1.00 | 6 | | Measure Bit Sub X/o,s & 27jts HWDP, Make Up Bit, Bit Sub & Pick Up HWDP | <table border="1"> <tr> <th>TIME</th> <th>HRS</th> <th>MIN</th> <th>SEC</th> <th>DEPTH (m)</th> <th>REMARKS</th> </tr> <tr> <td>12:00</td> <td>12:00</td> <td>24:00</td> <td></td> <td></td> <td></td> </tr> </table> | TIME | HRS | MIN | SEC | DEPTH (m) | REMARKS | 12:00 | 12:00 | 24:00 | | | |
| FROM | TO | START | STOP | DEPTH | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00 | 12:15 | 15:15 | 3.00 | 5 | Finish to pooch up to 1095m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:15 | 15:15 | 3.00 | 5 | | Brake circ at 1m/3 min & raise up to 2m/3 min w/fresh water & WASH THROUGH DDV WITH END OF 73MM STINGER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:15 | 16:30 | 1.25 | 6 | | Pooch 15 stds of 29kg & run back in with 10 stds dp 38kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 16:45 | 0.25 | 21 | | Safety meeting with fi canada pipe handlers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:45 | 17:45 | 1.00 | 22 | | Rig up lay down machine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:45 | 19:00 | 1.25 | 6 | | Lay down pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:00 | 19:15 | 0.25 | 21 | | Safety Meeting W FI & New Floorhand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:15 | 21:45 | 2.50 | 6 | | Lay Down Drill Pipe & Lay Out Liner Running Tool | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21:45 | 22:45 | 1.00 | 6 | | Run in 7 STDs DP & Lay Down 21 Singles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22:45 | 23:00 | 0.25 | 7 | | Rig Service Function TPR Blind & BPR C/O 6 secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23:00 | 24:00 | 1.00 | 6 | | Measure Bit Sub X/o,s & 27jts HWDP, Make Up Bit, Bit Sub & Pick Up HWDP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | HRS | MIN | SEC | DEPTH (m) | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00 | 12:00 | 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

WELL TYPE: SF-18 RE-ENTRY: YES NO KB TO GROUND ELEV: 309.00

WELL NAME & No.: SF-18 DATE: 20-Nov-2003

Well2694C

OPERATOR Intragaz CONTRACTOR Nabors Drilling Limited

RIG MANAGER Don Johnson RIG NO.: 9ETD

PROVINCE Quebec CAMP: YES NO RIG SAFETY DAYS: 254.00

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|-----------------|-----------------|-------|-----|-------------------------------------|
| Driller | Garry Dale | Garry Dale | 8.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | Marc Lyonnais | Marc Lyonnais | 8.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | Pat St onge | Pat St onge | 8.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | Pete St onge | Pete St onge | 8.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | Maxime Jacques | Maxime Jacques | 8.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | Robin Pelletier | Robin Pelletier | 8.00 | RP | <input checked="" type="checkbox"/> |
| Rig Manager 2 | Dan Pelletier | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |
| Driller | Michel Nault | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | Steve St Onge | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | Vaugh Prychak | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | Gabriel Cole | Gabriel Cole | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | Junior Grimard | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |
| Derrickman | Chris Donahue | Chris Donahue | 12.00 | CD | <input checked="" type="checkbox"/> |

RATE SCHEDULE: REGULAR REPAIR INVERT

DRIVER A: Garry Dale CREW SAFETY DAYS: 10118 DRIVER B:

RATE SCHEDULE: REGULAR REPAIR INVERT

DRIVER A: Gordon Cyr CREW SAFETY DAYS: DRIVER B:

FIRST TOUR

SECOND TOUR

NOTES
Check brakes & linkage, stabbing valve (open). Check S.O.P.'s, manifold & degasser. Function crown saver by hand. GD venting pressure 0

NOTES

| | | | | | | | | |
|-------------------------------|--|-----------|--------|-------------|----------------|-------------------|---------------|-----------|
| DRILLER SIGNATURE: Garry Dale | | WELL MAN: | DEPTH: | STACK TEMP: | OPERATOR FUEL: | MAX EXP. HOOLoad: | SAFETY TOPIC: | M.A.C.P.: |
|-------------------------------|--|-----------|--------|-------------|----------------|-------------------|---------------|-----------|



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 21-Nov-2003, LAST CASING TURNING OR LINES, FUEL @ 4:00, RIG 130 BOILER, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD

Table with 24 columns (CODE, OPER, TIME, etc.) and 2 rows (TOTAL, etc.)

BIT RECORD table with columns: BIT, G.D. (mm), LENGTH, BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., W.L. (cm3), PH, JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 to 12:00, INJURIES

BIT RECORD table with columns: BIT, G.D. (mm), LENGTH, BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., W.L. (cm3), PH, JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 to 24:00, INJURIES

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No. SF-18, Well2694C, DATE 21-Nov-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 255.00

Table with columns: CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES

Table with columns: CREW, SOC. INS. NO., NAME, HRS, YES, NO, INJURIES



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|---|--|---|--|-----------------------------|--|--------------------|--|-------------------|--|------------------------------------|--|-------------------------|--|--------------|--|-----------------|--|----------------|--|-------------------|--|-------------------------|--|-------|--|-------|--|--------|--|-----|--|-----|--|---------|--|------|--|---------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 22-Nov-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | WELLS | | RPM | | MASS | | CHARGE | | NO. OF JOINTS | | TOTAL WELLS | | NO. TO BEG | | SET AT (m) | | | | | | | | | | | | | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well2694C | | | | (1) Daily Walk Around Inspection (2) Drilling Location/Weight (being checked) (3) HOS Signs (posted if required) (4) Well License & Block Diagram Posted (5) Flare Line Subbed (6) BOP D/L in Field/used (7) Visually Inspect EOP's Function & Disposal Lines (8) Rig Site Health and Safety Meeting (pre-drilling) (9) C.A.O.C Rig Safety Inspection Checklist (arrangement) (10) Mast Inspection Before Raising or Lowering (11) Crown Saver Checked (12) Well Site Checked | | RIG NO. 9ETD | | 339.7 | | 3315.3 | | 101.20 | | Loadstar | | K55 | | 22 | | 301.52 | | 7.48 | | 309.00 | | 244.5 | | 220.5 | | 69.90 | | CANTAK | | L80 | | 123 | | 1671.52 | | 7.48 | | 1679.00 | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | | | (1) Rig Site Health and Safety Meeting (pre-drilling) (2) C.A.O.C Rig Safety Inspection Checklist (arrangement) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Well Site Checked | | TEMPERATURE | | DECIPI SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | MIL ID (mm) | | TOOL JOINT OR | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKE (L/1H) (mm) | | | | | | | | | | | | | | | | | |
| SURFACE LOCATION Saint Flavien | | UNIQUE ID: | | | | | | (1) Rig Site Health and Safety Meeting (pre-drilling) (2) C.A.O.C Rig Safety Inspection Checklist (arrangement) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Well Site Checked | | CURRENT CONDITION | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | PZ8 | | Gardner Denver | | 203 | | | | | | | | | | | | | | | | | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | | | | (1) Rig Site Health and Safety Meeting (pre-drilling) (2) C.A.O.C Rig Safety Inspection Checklist (arrangement) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Well Site Checked | | WIND DIRECTION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | PZ8 | | Gardner Denver | | 203 | | | | | | | | | | | | | | | | | |
| TIME - HRS | | SHALE SHAKER(S) | | RENTALS/SERVICES | | | | (1) Rig Site Health and Safety Meeting (pre-drilling) (2) C.A.O.C Rig Safety Inspection Checklist (arrangement) (3) Mast Inspection Before Raising or Lowering (4) Crown Saver Checked (5) Well Site Checked | | ROAD | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| WELL TYPE | | RE-ENTRY | | YES NO | | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | Well2694C | | DATE | | 22-Nov-2003 | | OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | RIG MANAGER Don Johnson | | RIG NO. 9ETD | | PROVINCE Quebec | | CAMP | | YES NO | | RIG SAFETY DAYS: 256.00 | | | | | | | | | | | | | | | | | |
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 to 12:00 | | INJURIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 BIT 156 0.20 1 Mud Motor 0 6.90 1 3.10P x 4.71L 0 0.75 2 136 2.38 3 4"HWT 102 28.02 1 3.10P x 4.71L 131 0.74 1 Jars 121 6.12 1 4.71P x 1.12P 132 0.75 3 4"HWT 102 27.78 1 4.71P x 1.12P 134 0.99 36 4"HWT 102 334.50 1 4.71P x 4.71L 134 0.99 1 4.10P x 6.073L 165 0.91 | | BIT NO. 29 SIZE 156 IADC CODE 1 1 7 MFG SMITH TYPE XR+ SERIAL NO. MNS9700 JETS 11.3 10.1 13.1 DEPTH OUT (m) 1242.00 DEPTH IN (m) 1242.00 TOTAL METERS DRILLED (m) 678.00 TOTAL HOURS RUN 9.75 CUTTING STRUCTURE HOLE CONDITION 0.00 HOLE DRAG TORQUE AT BOTTOM FILL ON BOTTOM (m) | | MUD TYPE WATER BASED OIL BASED TIME 10:00 DENSITY 10 FLUIDS 28 W.L. (cm) 11.5 pH MUD MATERIAL ADDED SOLIDS CONTROL Centrifuge #1 citric acid 5 SX bicar sodium 5 SX cent#2 HOURS RUN OVERFLOW DENSITY UNDERFLOW DENSITY DEVIATION SURVEY DEPTH (m) DEVIATION (m) DIRECTION | | FROM TO 3041.00 1502.00 1502.00 1502.00 4:15 7:00 7:00 11:15 11:15 11:45 11:45 12:00 0.30 0.30 4:15 3.75 2.75 6 4.25 3 0.50 23 0.25 7 | | 9 Cut Off Drill Line 22 Change Wash Pipe On Topdrive 6 Fill Pipe @ 646m & RIH To 1240m Install Rotating Head Rubber 3 Wash down 7" liner from 1242m to 1502m 23 Change sub on top drive to run 4" hw dp 7 Rig Service | | CREW SOC. INS. NO. NAME HRS YES NO Driller Gordon Cyr 12.00 GC <input checked="" type="checkbox"/> <input type="checkbox"/> Derrickman Donald Bergeron 12.00 DB <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Marco Lepage 12.00 ML <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Rejean Larochelle 12.00 RL <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Jonathan Beaudet 12.00 JB <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Sebastien Cote 12.00 SC <input type="checkbox"/> <input checked="" type="checkbox"/> Rig Manager 2 Dan Paletier 12.00 DP <input type="checkbox"/> <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 D.P. STANDS 1428.04 0 D.P. BRIDLES 0.00 KELL DOWN 0.00 TOTAL 1839.83 | | HOURS RUN OVERFLOW DENSITY UNDERFLOW DENSITY DEVIATION SURVEY DEPTH (m) DEVIATION (m) DIRECTION | | FROM TO 3041.00 1502.00 1502.00 1502.00 17:30 18:00 18:00 18:30 18:30 20:00 20:00 20:30 20:30 21:00 21:00 23:45 23:45 24:00 5.50 3 0.50 5 0.50 24 2.75 3 0.25 7 | | 3 Wash down 7" liner from 1502m to 1882 m & tag cement at 1879m 5 Circ & work pipe 24 Press test liner to 16000 kpa held for 15 mins press drop to 15470kpa 3 Drill out cement from 1882 to 1895m 5 Circulate 24 Press Test Stage Tool 3 Drill Cement FR 1895m TO/1920m 7 Rig Service | | CREW SOC. INS. NO. NAME HRS YES NO Driller Michel Nault 12.00 MN <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Chris Donahue 12.00 CD <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Steve St Onge 12.00 SS <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Vaughn Prychak 12.00 VP <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Gabriel Cote 12.00 GC <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Junior Grimard 12.00 JG <input type="checkbox"/> <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 D.P. BRIDLES 0.00 TOTAL 496.01 | | HOURS RUN OVERFLOW DENSITY UNDERFLOW DENSITY DEVIATION SURVEY DEPTH (m) DEVIATION (m) DIRECTION | | FROM TO 3041.00 1920.00 1920.00 1920.00 17:30 18:00 18:00 18:30 18:30 20:00 20:00 20:30 20:30 21:00 21:00 23:45 23:45 24:00 5.50 3 0.50 5 0.50 24 2.75 3 0.25 7 | | 3 Wash down 7" liner from 1502m to 1882 m & tag cement at 1879m 5 Circ & work pipe 24 Press test liner to 16000 kpa held for 15 mins press drop to 15470kpa 3 Drill out cement from 1882 to 1895m 5 Circulate 24 Press Test Stage Tool 3 Drill Cement FR 1895m TO/1920m 7 Rig Service | | CREW SOC. INS. NO. NAME HRS YES NO Driller Michel Nault 12.00 MN <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Chris Donahue 12.00 CD <input type="checkbox"/> <input checked="" type="checkbox"/> Derrickman Steve St Onge 12.00 SS <input type="checkbox"/> <input checked="" type="checkbox"/> Motorman Vaughn Prychak 12.00 VP <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Gabriel Cote 12.00 GC <input type="checkbox"/> <input checked="" type="checkbox"/> Floorman Junior Grimard 12.00 JG <input type="checkbox"/> <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | | | |
|-------------------|-----------------------------------|----------------|------------------|-------------------------|--------------------------|
| DATE 23-Nov-2003 | LAST CASING TUBING OR LIGNER 9ETD | NO. OF JOBS 22 | TOTAL HRS 301.52 | KB TO CGO HEAD (m) 7.48 | SET AT (m) 309.00 |
| FUEL @ 8:00 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 1671.52 7.48 1679.00 |

| | | | | | | | | | | |
|-------------------|-----------|--------------------|-------|--------------|-----------------|-------------|---------------|-----------|-------------------|------------------|
| TEMPERATURE | DCOP (mm) | LINEAR MASS (kg/m) | GRADE | MIN. ID (mm) | TOOL JOINT (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE LTR. (mm) |
| CURRENT CONDITION | 127.00 | 29.00 | EC | 85.00 | 156.00 | 41/2IF | | PZ8 | Gardner Denver | 203 |
| WIND DIRECTION | 171.00 | 174.00 | DE | 74.00 | 172.00 | SH90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| TIME - HRS | NO. | DESCRIPTION | DEPTH (m) | TIME (min) | REMARKS |
|------------|-----|-------------------|-----------|------------|---------|
| | 1 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 2 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 3 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 4 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 5 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 6 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 7 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 8 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 9 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 10 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 11 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 12 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 13 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 14 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 15 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 16 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 17 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 18 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 19 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 20 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 21 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 22 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 23 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 24 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 25 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 26 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 27 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 28 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 29 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 30 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 31 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 32 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 33 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 34 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 35 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 36 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 37 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 38 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 39 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 40 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 41 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 42 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 43 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 44 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 45 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 46 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 47 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 48 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 49 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |
| | 50 | DRILLING ASSEMBLY | 1.25 | 10.00 | 0.50 |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | INJURIES | | |
|------------|--------------------|------------|------------|----------------------|---------|----------|-------|---|----|---|---------------|-------------------|-------|----|
| 1 | BIT 156 | 0.20 | BIT NO. 29 | MUD TYPE WATER BASED | 1920.00 | 0:00 | 1:00 | 1:00 | 5 | Circ & Work Pipe @ 1920m | Driller | Gordon Cyr | 12.00 | GC |
| 1 | Mud Motor | 0 | SIZE 156 | TIME | | 1:00 | 1:30 | 0:50 | 22 | Press Test | Derrickman | Donald Bergeron | 12.00 | DB |
| 2 | ADD CODE | 0 | 1 1 7 | DENSITY | | 1:30 | 3:45 | 2:25 | 6 | Trip Up To Liner Top | Derrickman | Marco Lepage | 12.00 | ML |
| 3 | MFG. SMITH | 136 | | FUNNEL VIS. (c/s) | | 3:45 | 4:00 | 0:25 | 5 | Circulate & Work Bit Thru Liner Top | Motorman | Rejean Larochelle | 12.00 | RL |
| 3 | TYPE XR+ | 102 | | W.L. (cm3) | | 4:00 | 7:00 | 3:00 | 6 | Trip Out, Lay Down Motor | Floorman | Jonathan Beaudet | 12.00 | JB |
| 1 | SERIAL NO. MN9700 | 131 | | pH | | 7:00 | 11:45 | 4:75 | 6 | Run in open end to squeeze cement to 1890m install rotating bearing & finish to run in to 1920m | Floorman | Sebastien Cote | 12.00 | SC |
| 1 | JETS | 121 | | DEPTH OUT (m) | 1920.00 | 11:45 | 12:00 | 0:25 | 7 | Rig Service | Rig Manager 2 | Dan Pelletier | 12.00 | DP |
| 1 | DEPTH IN (m) | 132 | | DEPTH IN (m) | 1242.00 | | | | | | | | | |
| 1 | TOTAL METERS | 134 | | PRODUCT | | | | | | | | | | |
| 1 | TOTAL HOURS RUN | 133 | | AMOUNT x UNIT | | | | | | | | | | |
| 36 | CUTTING STRUCTURE | 102 | 334.50 | Centrifuge #1 | | | | | | | | | | |
| 1 | DEPTH (m) | 134 | 0.99 | Cent#2 | | | | | | | | | | |
| 1 | DEPTH (m) | 165 | 0.91 | DEVIATION SURVEY | | | | | | | | | | |
| 9 | HOLE DRAG | 127 | 84.22 | DEPTH (m) | | | | | | | | | | |
| | TORQUE AT BOTTOM | | | DEVIATION (a) | | | | | | | | | | |
| | FILL ON BOTTOM (m) | | | DIRECTION | | | | | | | | | | |
| | D.P. STANDS | 0 | 0.00 | | | | | | | | | | | |
| | D.P. SINGLES | 0 | 0.00 | | | | | | | | | | | |
| | KELLYDOWN | 0 | 0.00 | | | | | | | | | | | |
| | TOTAL | 1920.00 | | | | | | | | | | | | |
| | WT OF DC | | | | | | | | | | | | | |
| | WT OF STANG | 53.00 | | | | | | | | | | | | |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | INJURIES | | |
|------------|--------------------|------------|----------------------|----------------------|---------|----------|-------|---|----|-----------------------------|------------|----------------|-------|----|
| 1 | BIT 165 | 0.91 | BIT NO. | MUD TYPE WATER BASED | 1920.00 | 12:00 | 17:30 | 5:50 | 23 | Circ & wait on cement truck | Driller | Michel Nault | 12.00 | MN |
| | SIZE | | TIME 14:00 | 18:00 | | 17:30 | 18:30 | 1:00 | 12 | Rig up B/J cementig | Derrickman | Chris Donahue | 12.00 | CD |
| | ADD CODE | | DENSITY 1020 | 1020 | | 18:30 | 18:45 | 0:25 | 21 | Safety Meeting | Derrickman | Steve St Onge | 12.00 | SS |
| | MFG. | | FUNNEL VIS. (c/s) 30 | 30 | | 18:45 | 23:45 | 5:00 | 12 | Establish Feed Rates | Motorman | Vaugh Prychak | 12.00 | VP |
| | TYPE | | W.L. (cm3) | | | 23:45 | 24:00 | 0:25 | 7 | Rig Service | Floorman | Gabriel Cote | 12.00 | GC |
| | SERIAL NO. | | pH 11.5 | 11.5 | | | | | | | Floorman | Junior Grimard | 12.00 | JG |
| | JETS | | DEPTH OUT (m) | | | | | | | | | | | |
| | DEPTH IN (m) | | DEPTH IN (m) | | | | | | | | | | | |
| | TOTAL METERS | | PRODUCT | | | | | | | | | | | |
| | TOTAL HOURS RUN | | AMOUNT x UNIT | | | | | | | | | | | |
| | CUTTING STRUCTURE | | CaclumCarb 40 SX | | | | | | | | | | | |
| | DEPTH (m) | | Centrifuge #1 | | | | | | | | | | | |
| | DEPTH (m) | | Cent#2 | | | | | | | | | | | |
| | HOLE DRAG | | DEVIATION SURVEY | | | | | | | | | | | |
| | TORQUE AT BOTTOM | | DEPTH (m) | | | | | | | | | | | |
| | FILL ON BOTTOM (m) | | DEVIATION (a) | | | | | | | | | | | |
| | D.P. STANDS | 66 | DIRECTION | | | | | | | | | | | |
| | D.P. SINGLES | 1 | | | | | | | | | | | | |
| | KELLYDOWN | 0 | | | | | | | | | | | | |
| | TOTAL | 1920.30 | | | | | | | | | | | | |
| | WT OF DC | | | | | | | | | | | | | |
| | WT OF STANG | 49000.00 | | | | | | | | | | | | |

FIRST TOUR

SECOND TOUR

NOTES
Check Brakes & Linkage, Stabbing Valve & XOs BOP & Manifold Valves Set & Function Crown Saver G.C., venting pressure 0

NOTES
Check brake & linkage stb valve x/o inside bop, crown saver & grease crown mn

| | | |
|-------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | Well2694C | DATE 23-Nov-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS: 257.00 |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|----------------|-------|-----|-------------------------------------|
| Driller | | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donahue | 12.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------------------|--|---------------|--|---|--|---|--|------------------|--|-----------------------------|--|-----------|--|-----------|--|--------|--|--------|--|--------|--|---------------|--|------------------|--|----------------|--|-----|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 24-Nov-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | I.D. (mm) | | SIGN | | MAKE | | GRADE | | NO. OF JOINTS | | TOTAL W. TO CASE | | W.C.T. AT (m) | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well2694C | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | FUEL @ 8:00 | | 244.5 | | 220.5 | | 69.90 | | CANTAK | | L80 | | 123 | | 1671.52 | | 7.48 | | 1679.00 | | | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | SIGNATURE OF OPERATORS REPRESENTATIVE Don Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | P28 | | Gardner Denver | | 203 | | | |
| SURFACE LOCATION Saint Flavian | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | SIGNATURE OF OPERATORS REPRESENTATIVE Don Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WIND DIRECTION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | P28 | | Gardner Denver | | 203 | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Don Bliss | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | SIGNATURE OF OPERATORS REPRESENTATIVE Don Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WIND SPEED | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | |

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|-------------------|--|---|--|-------------------------|--|-------------------------|--|------------------|--|
| WELL TYPE | | RE-ENTRY | | KB TO GROUND ELEV. | | WELL NAME & No. SF-18 | | DATE 24-Nov-2003 | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | RIG MANAGER Don Johnson | | PROVINCE Quebec | |
| CAMP | | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | | RIG SAFETY DAYS: 258.00 | | | | | |

| | | | | | | | | | |
|--------------------|--|---|--|-----------------------------|--|--------------------|--|---|--|
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| 1 165 0.91 | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | 1920.00 | | 1920.00 | | Liner Top @ 1242.7m | |
| MUD MATERIAL ADDED | | SOLIDS CONTROL | | CIRCUULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
| CENTRIFUGE #1 | | CENTRIFUGE #2 | | REDUCED PUMP SPEED | | DEVIATION SURVEY | | DEPTH (m) DEVIATION (°) DIRECTION | |
| HOLE CONDITION | | HOLE DRAG | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | HOURS RUN | |
| 65 1881.70 | | 2 18.88 | | KELLYDOWN 0.00 | | TOTAL 1901.49 | | WT. OF B.C. | |
| 55.00 | | | | | | | | | |

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|--------------------|--|---|--|-----------------------------|--|--------------------|--|---|--|
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| 1 165 0.91 | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | 1920.00 | | 1920.00 | | Gordon Cyr | |
| MUD MATERIAL ADDED | | SOLIDS CONTROL | | CIRCUULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
| CENTRIFUGE #1 | | CENTRIFUGE #2 | | REDUCED PUMP SPEED | | DEVIATION SURVEY | | DEPTH (m) DEVIATION (°) DIRECTION | |
| HOLE CONDITION | | HOLE DRAG | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | HOURS RUN | |
| 65 1881.70 | | 2 18.88 | | KELLYDOWN 0.00 | | TOTAL 1901.49 | | WT. OF B.C. | |
| 55.00 | | | | | | | | | |

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|--------------------|--|---|--|-----------------------------|--|--------------------|--|---|--|
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| 1 165 0.91 | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | 1920.00 | | 1920.00 | | Michel Nault | |
| MUD MATERIAL ADDED | | SOLIDS CONTROL | | CIRCUULATION PRESSURE (KPa) | | PUMP NO. 1 | | PUMP NO. 2 | |
| CENTRIFUGE #1 | | CENTRIFUGE #2 | | REDUCED PUMP SPEED | | DEVIATION SURVEY | | DEPTH (m) DEVIATION (°) DIRECTION | |
| HOLE CONDITION | | HOLE DRAG | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | HOURS RUN | |
| 65 1881.70 | | 2 18.88 | | KELLYDOWN 0.00 | | TOTAL 1901.49 | | WT. OF B.C. | |
| 55.00 | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|--------------------------------|--|---|--|---|--|---------------------|--|---|--|--|--|--|--|-----------------------------|--|--------------|--|---------------|--|-------------------------------------|--|-------------------------------------|--|----------------|--|---------------|--|------------------|--|---------------------|--|------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | OPR. | | R.M. | | DATE 26-Nov-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | MIN. ID. (mm) | | WGT. (kg/m) | | MAK. | | QRESS. | | NO. OF JOINTS | | TOTAL LN. LENGTH | | RM TO CRG. HEAD (m) | | SET AT (m) | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well #2694C | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | FUEL @ 8:00 | | 339.7 | | 3315.3 | | 101.20 | | Loadstar | | K55 | | 22 | | 301.52 | | 7.48 | | 309.00 | | | | | | | |
| OPERATOR Intragaz | | SURFACE LOCATION Saint Flavian | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | CURRENT CONDITION | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | PZ8 | | Gardner Denver | | 203 | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 to 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | | | | | | | | | | |
| 1 BIT | | 156 0.20 | | BIT NO. 29 | | MUD TYPE WATER BASED | | 02:00 06:00 | | 1847.00 TO 1920.00 | | 0:00 5:45 5:75 22 | | Drill Cement W/ Motor & Work CSG Scraper FR/ 1847m TO/ 1920m. Csg Scraper Depth 1910.37m | | Gordon Cyr | | Gordon Cyr | | 12.00 | | GC | | <input checked="" type="checkbox"/> | | | | | | | | | | | |
| 1 Mud Motor | | 0 6.90 | | SIZE 156 | | TIME 02:00 06:00 | | 1847.00 1920.00 | | 5:45 8:00 2:25 5 | | Circulate BTM,s Up & Work CSG Scraper | | Derrickman | | Donald Bergeron | | 12.00 | | DB | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 114 0.32 | | IADC CODE 1 1 7 | | DENSITY 1020 1020 | | 8:00 8:30 0:50 6 | | 8:30 9:30 1:00 22 | | Press test 7" liner up to 14000 kpa | | Derrickman | | Marco Lepage | | 12.00 | | ML | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 121 0.76 | | MFG. SMITH | | W. L. (cm3) 11.0 11.0 | | 9:30 10:00 0:50 6 | | 10:00 11:00 1:00 5 | | Run in hole to 1920m / with mud pump | | Motorman | | Rejean Laroche | | 12.00 | | RL | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 117 0.56 | | TYPE XR+ | | SOLIDS CONTROL | | 11:00 12:00 0:75 6 | | 11:15 12:00 0:25 7 | | Circ & work csg scraper | | Floorman | | Jonathan Beaudet | | 12.00 | | JB | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 108 0.89 | | SERIAL NO. MN9700 | | MUD MATERIAL ADDED | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | Rig Service | | Floorman | | Sebastien Cote | | 12.00 | | SC | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 121 0.92 | | JETS | | PRODUCT citric acid | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | Pooh | | Rig Manager 2 | | Dan Pelletier | | 12.00 | | DP | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 0 0.75 | | DEPTH OUT (m) 1920.00 | | AMOUNT x UNIT 4 sks | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 3/4" x 10' x 1 1/2" x 1 1/2" | | 136 2.38 | | DEPTH IN (m) 1242.00 | | 2 sks | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 4"HWT | | 102 28.02 | | TOTAL METERS 678.00 | | xanvis 1 sk | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 131 0.74 | | TOTAL HOURS RUN 9.75 | | cent#2 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Jars | | 121 6.12 | | CUTTING STRUCTURE | | HOLE CONDITION | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 4"HWT | | 102 27.78 | | HOLE DRAG HL- 55up / 43dn | | 0.00 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 134 0.99 | | TORQUE AT BOTTOM | | 0.00 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 165 0.91 | | FILL ON BOTTOM (m) | | 0.00 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 D.P. | | STANDS 1824.82 | | TOTAL 1920.00 | | TOTAL HOURS RUN 9.75 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 D.P. | | SINGLES 9.42 | | TOTAL 1920.00 | | TOTAL HOURS RUN 9.75 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| KELLYDOWNS 6.77 | | TOTAL 1920.00 | | TOTAL HOURS RUN 9.75 | | TOTAL HOURS RUN 9.75 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF STANG 49.00 | | TOTAL 1920.00 | | TOTAL HOURS RUN 9.75 | | TOTAL HOURS RUN 9.75 | | 11:15 12:00 0:25 7 | | 11:15 12:00 0:25 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 to 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | | | | | | | | | | |
| 1 PackerAss | | 146 1.60 | | BIT NO. | | MUD TYPE WATER BASED | | 12:00 17:15 5:25 6 | | 1920.00 TO 1920.00 | | 12:00 17:15 5:25 6 | | Pooh & lay down bha | | Michel Nault | | 12.00 | | MN | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 Circ valve | | 127 1.10 | | SIZE | | TIME 12:00 17:15 | | 17:15 17:45 0:50 22 | | 17:45 21:45 4:00 6 | | Pick up RTTS packer | | Derrickman | | Chris Donahue | | 12.00 | | CD | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 XOC39/3/4" | | 127 0.76 | | IADC CODE | | DENSITY 1020 1020 | | 17:45 21:45 4:00 6 | | 21:45 23:30 1:75 22 | | Trip In To 1895m | | Derrickman | | Steve St Onge | | 12.00 | | SS | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | MFG. | | W. L. (cm3) 11.0 11.0 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | Set Packer, Shut In Well & Press Test | | Motorman | | Vaugh Prychak | | 12.00 | | VP | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TYPE | | SOLIDS CONTROL | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | Pull Up To 1881m & Set Packer & Press Test | | Floorman | | Gabriel Cote | | 12.00 | | GC | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | SERIAL NO. | | MUD MATERIAL ADDED | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | Floorman | | Junior Grimard | | 12.00 | | JG | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | JETS | | PRODUCT Centrifuge #1 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | DEPTH OUT (m) 1920.00 | | AMOUNT x UNIT 4 sks | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | DEPTH IN (m) 1242.00 | | 2 sks | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TOTAL METERS 678.00 | | xanvis 1 sk | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TOTAL HOURS RUN 9.75 | | cent#2 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | CUTTING STRUCTURE | | HOLE CONDITION | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | HOLE DRAG 4 UP 4 DOWN | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TORQUE AT BOTTOM | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | FILL ON BOTTOM (m) | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 D.P. | | STANDS 1881.36 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 D.P. | | SINGLES 9.18 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| KELLYDOWNS 9.18 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT. OF STANG 51.00 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | RATE SCHEDULE | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | | | | | | | | | | | | | | | | | |
| 1 PackerAss | | 146 1.60 | | BIT NO. | | MUD TYPE WATER BASED | | 12:00 17:15 5:25 6 | | 1920.00 TO 1920.00 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 Circ valve | | 127 1.10 | | SIZE | | TIME 12:00 17:15 | | 17:15 17:45 0:50 22 | | 17:45 21:45 4:00 6 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 XOC39/3/4" | | 127 0.76 | | IADC CODE | | DENSITY 1020 1020 | | 17:45 21:45 4:00 6 | | 21:45 23:30 1:75 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | MFG. | | W. L. (cm3) 11.0 11.0 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TYPE | | SOLIDS CONTROL | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | SERIAL NO. | | MUD MATERIAL ADDED | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | JETS | | PRODUCT Centrifuge #1 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | DEPTH OUT (m) 1920.00 | | AMOUNT x UNIT 4 sks | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | DEPTH IN (m) 1242.00 | | 2 sks | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TOTAL METERS 678.00 | | xanvis 1 sk | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TOTAL HOURS RUN 9.75 | | cent#2 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | CUTTING STRUCTURE | | HOLE CONDITION | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | HOLE DRAG 4 UP 4 DOWN | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | TORQUE AT BOTTOM | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 3/4" x 10' x 1 1/2" x 1 1/2" | | 127 0.76 | | FILL ON BOTTOM (m) | | 0.00 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 65 D.P. | | STANDS 1881.36 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| 1 D.P. | | SINGLES 9.18 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOPs | | | | | | | | | | | | | | | | | |
| KELLYDOWNS 9.18 | | TOTAL 1894.00 | | TOTAL HOURS RUN 9.75 | | TOTAL HOURS RUN 9.75 | | 23:30 24:00 0:50 22 | | 23:30 24:00 0:50 22 | | REGULAR | | Gordon Cyr | | 55000.00 | | Washing BOP | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO | WELL NAME AND NO. SF-18 | Well#2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | | | | | | | | |
|------------------|-----------------------------|-----------|-------------|-----------|----------|-------|---------------|------------------|------------|------------|
| DATE 28-Nov-2003 | LAST CASING TUBING OR LINER | D.O. (mm) | M.I.D. (mm) | W.G. (mm) | MARC | GAUGE | NO. OF JOINTS | TOTAL (m) LENGTH | WELL DEPTH | SET AT (m) |
| RIG NO. 9ETD | FUEL @ 8:00 | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG 104 | ROD | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| | | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1655.00 |

| | | | | | | | | | | |
|-------------------|----------------|--------------------|------|-------------|--------------------|------------|---------------|-----------|-------------------|-----------------|
| TEMPERATURE | DOOP SIZE (mm) | LINEAR MASS (kg/m) | GRAB | M.I.D. (mm) | TOOL JT. O.D. (mm) | THIRD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (L/100m) |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | | PZ8 | Gardner Denver | 203 |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | | 3 | | |

| TIME - HRS | OPER | DRILL ACTUAL | DRILL PLANNED | DRILL STOP | DRILL START | DRILL END | DRILL TOTAL | DRILL REMAINING | DRILL TOTAL | DRILL REMAINING |
|------------|------|--------------|---------------|------------|-------------|-----------|-------------|-----------------|-------------|-----------------|
| | | | | | | | | | | |
| TOTAL | | | | | | | 8.75 | 0.25 | 1.25 | |
| | | | | | | | | | 0.25 | 1.50 |
| | | | | | | | | | 0.25 | 1.50 |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|--------------------|------------------|--------------------|---------------|----------------|-------|----------|-------|---|--|
| BIT NO. | SIZE | MUD TYPE | TIME | FROM | TO | FROM | TO | 8 | Repair Rig Work on electric cable of scr |
| IADC CODE | MFG. | DENSITY | 10:00 | 0:00 | 12:00 | 12:00 | 12:00 | 8 | |
| TYPE | SERIAL NO. | W.L. (cm3) | 1030 | | | | | | |
| JETS | PVT | PH | 30 | | | | | | |
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | 11.5 | | | | | | |
| TOTAL METERS | TOTAL HOURS RUN | AMOUNT x UNIT | | | | | | | |
| CUTTING STRUCTURE | HOLE CONDITION | SOLIDS CONTROL | Centrifuge #1 | | | | | | |
| HOLE DRAG | TORQUE AT BOTTOM | REDUCED PUMP SPEED | cent#2 | | | | | | |
| FILL ON BOTTOM (m) | | DEVIATION SURVEY | | | | | | | |
| | | DEPTH (m) | | | | | | | |
| | | DEVIATION (m) | | | | | | | |
| | | DIRECTION | | | | | | | |

| | | | | |
|-------------------------|------------------------------------|-------------|----|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 28-Nov-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 262.00 |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|---------------|---------------|----------------|-------|----------|
| Driller | | Michel Nault | 12.00 | MN |
| Derrickman | | Chris Donahue | 12.00 | CD |
| Derrickman | | Steve St Onge | 12.00 | SS |
| Motoman | | Vaugh Prychak | 12.00 | VP |
| Floorman | | Gabriel Cote | 12.00 | GC |
| Floorman | | Junior Grimard | 4.00 | JG |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|--------------------|------------------|--------------------|---------------|----------------|-------|----------|-------|---|--|
| BIT NO. | SIZE | MUD TYPE | TIME | FROM | TO | FROM | TO | 8 | Repair Rig. Work on Drawworks, PLC & problem in SCR. |
| IADC CODE | MFG. | DENSITY | 14:00 | 12:00 | 13:15 | 13:15 | 13:30 | 0.25 | 7 |
| TYPE | SERIAL NO. | W.L. (cm3) | 18:00 | | | | | | |
| JETS | PVT | PH | 22:00 | | | | | | |
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | | | | | | | |
| TOTAL METERS | TOTAL HOURS RUN | AMOUNT x UNIT | | | | | | | |
| CUTTING STRUCTURE | HOLE CONDITION | SOLIDS CONTROL | Centrifuge #1 | | | | | | |
| HOLE DRAG | TORQUE AT BOTTOM | REDUCED PUMP SPEED | cent#2 | | | | | | |
| FILL ON BOTTOM (m) | | DEVIATION SURVEY | | | | | | | |
| | | DEPTH (m) | | | | | | | |
| | | DEVIATION (m) | | | | | | | |
| | | DIRECTION | | | | | | | |

| | | | | |
|-------------------------|------------------------------------|-------------|----|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 28-Nov-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 262.00 |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|------------|---------------|-----------------|-------|----------|
| Driller | | Garry Dale | 12.00 | GD |
| Derrickman | | Pat St onge | 12.00 | PS |
| Motoman | | Pete St onge | 12.00 | PS |
| Floorman | | Maxime Jacques | 12.00 | MJ |
| Floorman | | Robin Pelletier | 12.00 | RP |



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE: LICENCE NO.: WELL NAME AND NO. SF-18 Well#2694C OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited SURFACE LOCATION: Saint Flavien UNIQUE ID: SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson

- DAILY CHECKS**
- Daily Walk Around Inspection
 - Detailed Inspection Weekly (using checklist)
 - HSS Spine Post (if required)
 - Wall Louvers & Stick Diagrams Posted
 - Flare Line Blanked
 - BCV Daily Performance
 - Visually Inspect 30" x 1" Services & Degasser Lines
 - Rig Site Health and Safety Meeting (once per week)
 - CAO Q.R. Rig Safety Inspection Checklist (once per month)
 - Main Inspection Before Raising or Lowering
 - Down Layer Checked

| | | | | | | | | | | |
|------------------------------|-----------------------------------|------------------|---------------------------------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------------------|---------------------------|-----------------------|
| DATE: 30-Nov-2003 | LAST CASING TUBING OR LINER: 9ETD | O.D. (mm): 339.7 | WELLS: 3315.3 | DEPTH: 101.20 | MAKE: Loadstar | GRADE: K55 | NO. OF JOINTS: 22 | TOTAL METERS: 301.52 | KB TO GSD (HEAD IN): 7.48 | SET AT (m): 309.00 |
| FUEL @ 8:00: 147 BOILER | LINEAR WASS: 177.8 | CHARGE: 244.5 | MIN. ID (mm): 38.69 | TOOL JT O.D. (mm): 85.00 | THREAD TYPE: 41/2IF | NO. OF JOINTS: 33 | PUMP TYPE: PZ8 | PUMP MANUFACTURER: Gardner Denver | STROKE (LTH. (mm)): 203 | 1679.00 |
| WEATHER: TEMPERATURE: 127.00 | WIND DIRECTION: 171.00 | MOAD: 228.00 | WEATHER: WIND DIRECTION: 171.00 | MOAD: 228.00 | WEATHER: MOAD: 228.00 | WEATHER: MOAD: 228.00 | WEATHER: MOAD: 228.00 | WEATHER: MOAD: 228.00 | WEATHER: MOAD: 228.00 | WEATHER: MOAD: 228.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| COOL NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| OPER | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

SHAPE SHAKER(S): NO. 2 TYPE: S.W. CO. YES NO
SCREENS CHANGED: YES NO
TOP: 140
MIDDLE: 140
BOTTOM: 24.00

RENTALS/SERVICES: RIG NO. 9ETD, PROVINCE: Quebec, RIG SAFETY DAYS: 264.00

BIT RECORD

| ID | BIT | S.S. (mm) | LENGTH (m) | BIT NO. | RR29 | SIZE | 156 | TIME | 02:00 | 06:00 | 10:00 |
|-------|--------------------|-----------|------------|---------|------|------|-----|------|-------|-------|-------|
| 1 | Mud Motor | 121 | 6.90 | 1 | 1 | 7 | | | | | |
| 2 | 2 1/2" x 3.188" ch | 132 | 0.75 | | | | | | | | 10:25 |
| 3 | 2 1/2" x 3.188" ch | 136 | 2.38 | | | | | | | | 30 |
| 4 | 4"HWT | 102 | 55.80 | | | | | | | | |
| 5 | 4XT39 x 4FH | 127 | 0.99 | | | | | | | | 11.5 |
| 6 | 4XT39 x 4FH | 133 | 0.76 | | | | | | | | |
| 7 | 4"HWT | 102 | 334.50 | | | | | | | | |
| 8 | 4XT39 x 4FH ch | 134 | 0.99 | | | | | | | | |
| 9 | 5"HWT | 127 | 84.22 | | | | | | | | |
| TOTAL | | 1920.00 | | | | | | | | | |

MUD RECORD

PRODUCT: citricacid 3sx, sodumbicarbon 2sx, h2O 4chembaril

SOLIDS CONTROL

Centrifuge #1, cent#2

HOLE CONDITION

HOLE DRAG: 1up/1down (in liner)

TORQUE AT BOTTOM: 1100ft/lbs

FILL ON BOTTOM (m): 3.56

METERS DRILLED

| FROM | TO | DEPTH (m) | DIAMETER (mm) | TIME | START | END | REMARKS |
|---------|---------|-----------|---------------|------|-------|-------|---|
| 1884.00 | 1890.00 | D | 15 | 5-8 | 0:00 | 1:00 | P.O.O.H. W/ Stinger |
| | | | | | 1:00 | 3:30 | Lay down Stinger & pick up mud motor |
| | | | | | 3:30 | 8:30 | Run in hole W/ 156mm bit & mud motor to 1840m |
| | | | | | 8:30 | 9:15 | Wash in F/1840m - 1884m. |
| | | | | | 9:15 | 10:15 | Drill packer @ 1884m followed by cement to 1890m. |
| | | | | | 10:15 | 10:30 | Wash in from 1890m. Tag old cement @ 1920m. |
| | | | | | 10:30 | 11:00 | Circulate liner/casing clean. |
| | | | | | 11:00 | 11:15 | Rack back 1std. |
| | | | | | 11:15 | 12:00 | Circulate liner/casing, wait on cement. |

DEVIATION SURVEY

DEPTH (m), DEVIATION (°), DIRECTION

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

0:00 to 12:00

CREW: Michel Nault, Chris Donohue, Steve St Onge, Vaughn Prychak, Gabriel Cote, Junior Grimard, Dan Pelletier

OPERATOR SIGNATURE: Michel Nault, TIME: 12:00

OPERATOR FUEL: 60.00, MAX EXP. HOOKLOAD: 60.00, SAFETY TOPIC: Picking up tools, M.A.C.P. 10042

BIT RECORD

| ID | BIT | S.S. (mm) | LENGTH (m) | BIT NO. | RR29 | SIZE | 156 | TIME | 14:00 | 18:00 | 22:00 |
|-------|--------------------|-----------|------------|---------|------|------|-----|------|-------|-------|-------|
| 1 | Mud Motor | 121 | 6.90 | 1 | 1 | 7 | | | | | |
| 2 | 2 1/2" x 3.188" ch | 132 | 0.75 | | | | | | | | |
| 3 | 2 1/2" x 3.188" ch | 136 | 2.38 | | | | | | | | |
| 4 | 4"HWT | 102 | 55.80 | | | | | | | | |
| 5 | 4XT39 x 4FH | 127 | 0.99 | | | | | | | | |
| 6 | 4XT39 x 4FH | 133 | 0.76 | | | | | | | | |
| 7 | 4"HWT | 102 | 334.50 | | | | | | | | |
| 8 | 4XT39 x 4FH ch | 134 | 0.99 | | | | | | | | |
| 9 | 4XT39 x 4FH ch | 165 | 0.91 | | | | | | | | |
| TOTAL | | 1835.78 | | | | | | | | | |

MUD RECORD

PRODUCT: citricacid 3sx, sodumbicarbon 2sx, h2O 4chembaril

SOLIDS CONTROL

Centrifuge #1, cent#2

HOLE CONDITION

HOLE DRAG: 3.56

TORQUE AT BOTTOM: 1100ft/lbs

FILL ON BOTTOM (m): 3.56

METERS DRILLED

| FROM | TO | DEPTH (m) | DIAMETER (mm) | TIME | START | END | REMARKS |
|---------|----|-----------|---------------|------|-------|-------|---|
| 1920.00 | | | | | 12:00 | 12:30 | Con't circulate liner/casing. Blow down topdrive/standpipe. |
| | | | | | 12:30 | 16:00 | P.O.O.H with bit # 29RR. |
| | | | | | 16:00 | 16:15 | Rig Service. Function blind ram 6sec, top & bottom pipe rams 6sec each. |
| | | | | | 16:15 | 17:00 | Slip & cut 10m. |
| | | | | | 17:00 | 18:00 | Wait on Cement. |
| | | | | | 18:00 | 18:30 | Conduct pressure test on casing to 10mpa. 6300kpa loss in 10min. |
| | | | | | 18:30 | 19:45 | Conduct feed rate tests @ 6000kpa & 10,000kpa. |
| | | | | | 19:45 | 20:15 | Make up bha |
| | | | | | 20:15 | 21:45 | Run in hole To 1034m |
| | | | | | 21:45 | 22:00 | Break circ & fill pipe |
| | | | | | 22:00 | 24:00 | Run in hole f/ 1034m to 1836m |

DEVIATION SURVEY

DEPTH (m), DEVIATION (°), DIRECTION

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

12:00 to 24:00

CREW: Garry Dale, Marc Lyonnais, Pat St onge, Pete St onge, Maxime Jacques, Robin Pelletier

OPERATOR SIGNATURE: Garry Dale, TIME: 12:00

OPERATOR FUEL: 63.00, MAX EXP. HOOKLOAD: 63.00, SAFETY TOPIC: Connections, M.A.C.P. 10042

WELL TYPE: RE-ENTRY YES NO KB TO GROUND ELEV.:

WELL NAME & No. SF-18 Well#2694C DATE: 30-Nov-2003 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited RIG MANAGER: Don Johnson RIG NO.: 9ETD PROVINCE: Quebec CAMP: YES NO RIG SAFETY DAYS: 264.00

RATE SCHEDULE REGULAR REPAIR INVERT

DRIVER A: DRIVER B:

RATE SCHEDULE REGULAR REPAIR INVERT

DRIVER A: DRIVER B:

RATE SCHEDULE REGULAR REPAIR INVERT

DRIVER A: DRIVER B:



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, OPR, R.M., DATE 01-Dec-2003, LAST CASING TUBING 9ETD, FUEL 8:00, RIG 127 BOILER LINER, WEATHER, TEMPERATURE, DIRECTION, ROAD, SHALE SHAKER(S), RENTALS/SERVICES

WELL TYPE, RE-ENTRY, DATE 01-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 265.00

TIME - HRS table with columns for OPER, DAY, EVE, TOTAL and various well parameters like RIG NO, RIG SAFETY DAYS

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 TO 12:00, CREW, SOC. INS. NO., NAME, HRS, YES NO

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for First Tour, including operations like Run in hole F/ 1836m to 1865m, Brake circ at 1865m & circ, Safety Meeting, Wash down FR/ 1865m TO 1920m, Drill out cement f/1920 to 1954m

NOTES: Check brakes & linkage stb, x/o inside bop, crown saver, bop valves manifold valves degasser and lines. Function annulus 26 sauc st & top pipe rams 6 secs of bop drill w crown

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 TO 24:00, CREW, SOC. INS. NO., NAME, HRS, YES NO

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for Second Tour, including operations like Drill shoe F/1954m - 1954.8m, Pull 1 std to see if liner has parted, Circulate, try going to bottom again, Pull 1std, to see if liner has parted, Blow down topdrive/standpipe, P.O.O.H with bit #29RR, make up bha, Run in hole with mill & fill pipe at 975m, Service rig

NOTES: Check brakes & linkage, stabbing valve (open). Check B.O.P.s, reinsert & degasser. Function crown saver.GD



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, LICENCE NO., WELL NAME AND NO. SF-18, Well#2694C, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, SURFACE LOCATION Saint Flavien, UNIQUE ID, SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss, SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson, DAILY CHECKS, O.P.R., R.M., DATE 02-Dec-2003, LAST CASING TUBING 339.7, 3315.3, 101.20, Loadstar, K55, 22, 301.52, 7.48, 309.00, RIG 105 BOILER, LINER 244.5, 220.5, 69.90, CANTAK, L80, 123, 1671.52, 7.48, 1679.00, RIG 105 BOILER, LINER 177.8, 38.69, 38.69, L80, 52, 711.34, 7.48, 1955.00, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, SIALL SHAKER(S), RENTALS/SERVICES

TIME - HRS table with columns for OPER, JARS, 4"HWT, 4"dp, 5" hwt, TOTAL, etc.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 TO 12:00, CREW, SOC. INS. NO., NAME, HRS, INJURIES

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 TO 24:00, CREW, SOC. INS. NO., NAME, HRS, INJURIES

WELL TYPE, RE-ENTRY, DATE 02-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 266.00, CREW, SOC. INS. NO., NAME, HRS, INJURIES

RATE SCHEDULE, DRIVER A, CREW SAFETY DAYS, DRIVER B, CREW, SOC. INS. NO., NAME, HRS, INJURIES



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 03-Dec-2003, LAST CASING TUBING DR LINER, RIG 83, BOILER, TEMPERATURE, DEPTH, GRADE, MAKE, GRADIC, NO. OF JOBS, TOTAL (m) LENGTH, NO TO CAS HEAD (m), SET AT (m)

TIME - HRS table with columns for OPER, DAY, EVE, TOTAL and various well parameters like DEPTH, GRADE, MAKE, GRADIC, NO. OF JOBS, TOTAL (m) LENGTH, NO TO CAS HEAD (m), SET AT (m)

WELL TYPE, RE-ENTRY, WELL NAME & No. SF-18, Well 2694C, DATE 03-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, CAMP, RIG SAFETY DAYS: 267.00

BIT RECORD table with columns for BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), MUD MATERIAL ADDED, SOLIDS CONTROL, HOLE CONDITION, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, FIRST TOUR 0:00 to 12:00. Includes pressure integrity test, hose out, DP to 1400kpa, bleed down pressure, DP to 10mpa, release packer, reblow topdrive/standpipe, P.O.O.H with packer.

CREW table with columns for CREW, SOC. INS. NO., NAME, HRS, INJURIES. Includes Driller Michel Nault, Derrickman Chris Donohue, Steve St Onge, Motorman Vaughn Prychak, Gabriel Cote, Junior Grimard, Dan Pelletier.

BIT RECORD table with columns for BIT NO., SIZE, IADC CODE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), MUD MATERIAL ADDED, SOLIDS CONTROL, HOLE CONDITION, TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, SECOND TOUR 12:00 to 24:00. Includes Can't P.O.O.H with packer, break down & lay down packer, R.I.H with bit #29RR, wash out from 1923m to 1956m, drill out cement from 1956m to 2050m.

CREW table with columns for CREW, SOC. INS. NO., NAME, HRS, INJURIES. Includes Driller Garry Dale, Derrickman Marc Lyonnais, Pat St onge, Motorman Pete St onge, Maxime Jacques, Robin Pelletier.

FIRST TOUR

SECOND TOUR

NOTES

Check brakes & linkage & crown saver

NOTES

Check brakes & linkage, stabilizing valve (open). Check B.O.P.'s, manifold & degasser. Function crown saver. Hole fill: calculated 6.62m3 / actual 7.14m3 / difference +.52m3 CD



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE
 LICENCE NO.: WELL NAME AND NO. SF-18
 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited
 SURFACE LOCATION: Saint Flavian UNIQUE ID:
 SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss SIGNATURE OF CONTRACTORS REPRESENTATIVE: Joe Golden

DAILY CHECKS

| | | | | | | | | | | | |
|-------------|-------------|---------------------------|-------|--------|--------|----------|-----|-----|---------|------|---------|
| DATE | 04-Dec-2003 | LAST CASING TUBING OR RIG | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| FUEL @ 8:00 | | | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| | | | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |

WEATHER: TEMPERATURE: 127.00 DOSE SIZE: 29.00 LINER MASS: 85.00 GRADE: 156.00 MIN ID: 41/2 IF TOOL JT D.O: 5H90 THREAD TYPE: PZB NO. OF JOINTS: 33 PUMP TYPE: Gardner Denver STROKE LTR: 203

TIME-INS

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTL | | | | | | | | | | | | | | | | | | | | | | | | |

SHALE SHAKER(S) RENTALS/SERVICES

| | | | | |
|--------|------|-----------------|-----|----|
| NO. 2 | TYPE | SCREENS CHANGED | YES | NO |
| TOP | 140 | TOP | 140 | |
| MIDDLE | 140 | MIDDLE | 140 | |
| BOTTOM | | BOTTOM | | |

WELL NAME & No. SF-18 DATE: 04-Dec-2003
 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited
 RIG MANAGER: Joe Golden RIG NO.: 9ETD
 PROVINCE: Quebec CAMP: YES NO RIG SAFETY DAYS: 268.00

BIT RECORD

| NO. | BIT | SIZE | DEPTH (m) | TIME | MUD TYPE | WATER BASED | OIL BASED |
|-------|-------------|------|-----------|---------|----------|-------------|-----------|
| 1 | BIT | 156 | 0.20 | | | | |
| 1 | Mud Motor | 121 | 6.90 | 02:00 | | | 06:00 |
| 1 | 4"HTW | 132 | 0.75 | 1025 | | | 1035 |
| 2 | 4"HTW | 136 | 2.38 | | | | 30 |
| 3 | 4"HTW | 102 | 28.02 | | | | 30 |
| 1 | 4"HTW | 131 | 0.74 | | | | 11.5 |
| 1 | Jars | 121 | 5.11 | | | | 11.8 |
| 1 | 4"HTW | 132 | 0.75 | | | | 12.7 |
| 3 | 4"HTW | 102 | 27.78 | | | | |
| 1 | 4XT39 x 4FH | 127 | 0.99 | | | | |
| 1 | 4"HTW | 133 | 0.76 | | | | |
| 36 | 4"HTW | 102 | 334.50 | | | | |
| 1 | 4"HTW | 134 | 0.99 | | | | |
| 1 | 4"HTW | 165 | 0.91 | | | | |
| 147 | 4" dp | 102 | 1428.04 | | | | |
| 22 | 5" hwt | 127 | 205.99 | | | | |
| TOTAL | | | | 2376.03 | | | |

METERS DRILLED

| FROM | TO | TIME | REMARKS |
|---------|---------|-------|---------|
| 2050.00 | 2376.00 | Rm 10 | 10 |
| 0:00 | 0:45 | 0:45 | 22 |
| 0:45 | 1:00 | 0:25 | 7 |
| 1:00 | 7:45 | 6:75 | 22 |
| 7:45 | 9:30 | 1:75 | 5 |
| 9:30 | 12:00 | 2:50 | 22 |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

0:00 to 12:00

Drill out cement from 2050m to 2090m
 Rig Service
 Drill out cement from 2090 to 2318m
 Circulate Out Gas Thru Weatherford
 Wash FR/ 2318m TO/ 2376m

FIRST TOUR

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|----------------|-------|-----|-------------------------------------|
| Driller | | Michel Nault | 8.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 8.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 8.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 8.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cole | 8.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 8.00 | JG | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

BIT RECORD

| NO. | BIT | SIZE | DEPTH (m) | TIME | MUD TYPE | WATER BASED | OIL BASED |
|-------|-------------|------|-----------|---------|----------|-------------|-----------|
| 1 | BIT | 156 | 0.20 | | | | |
| 1 | Mud Motor | 121 | 6.90 | 14:00 | | | 18:00 |
| 1 | 4"HTW | 132 | 0.75 | 1035 | | | 1035 |
| 2 | 4"HTW | 136 | 2.38 | | | | 32 |
| 3 | 4"HTW | 102 | 28.02 | | | | 33 |
| 1 | 4"HTW | 131 | 0.74 | | | | 11.0 |
| 1 | Jars | 121 | 5.11 | | | | 11.0 |
| 1 | 4"HTW | 132 | 0.75 | | | | |
| 3 | 4"HTW | 102 | 27.78 | | | | |
| 1 | 4XT39 x 4FH | 127 | 0.99 | | | | |
| 1 | 4"HTW | 133 | 0.76 | | | | |
| 36 | 4"HTW | 102 | 334.50 | | | | |
| 1 | 4"HTW | 134 | 0.99 | | | | |
| 1 | 4"HTW | 165 | 0.91 | | | | |
| 27 | 5"HTW | 127 | 252.56 | | | | |
| 1 | 5"HTW | 136 | 1.05 | | | | |
| TOTAL | | | | 2904.82 | | | |

METERS DRILLED

| FROM | TO | TIME | REMARKS |
|---------|-------|-------|---------|
| 2376.00 | | 14:00 | 14:45 |
| 12:00 | 14:45 | 2:45 | 22 |
| 14:45 | 15:30 | 0:75 | 5 |
| 15:30 | 18:00 | 2:50 | 6 |
| 18:00 | 19:30 | 1:50 | 5 |
| 19:30 | 21:30 | 2:00 | 6 |
| 21:30 | 21:45 | 0:25 | 5 |
| 21:45 | 23:15 | 1:50 | 6 |
| 23:15 | 24:00 | 0:75 | 5 |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

12:00 to 24:00

Wash Fr/ 2376m To 2517m
 Circulate Hole Clean
 Trip In To 2900m
 Pump 36m3 Xanvis Fluid Down DP, chase with 5m3 cement water.
 Blow down top drive/standpipe. Pull up to 2200m. Open upper kill line & pump @ 250 l/min across to manifold choke to maintain 3000kpa on casing with choke while tripping.
 Pump 6m3 cement water to displace the rest of xanvis water out of DP.
 Blow down topdrive/standpipe. Pull up to 1860m.
 Circulate bottoms up.

SECOND TOUR

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Marco Lepage | 12.00 | ML | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Driller | | Garry Dale | 4.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 4.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 4.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 4.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 4.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 4.00 | RP | <input checked="" type="checkbox"/> |

FIRST TOUR

SECOND TOUR

NOTES

Check brake & linkage & function test crown saver - cement return from 2036m to 2110m. Gordon Cyr To Be Paid Living Allowance For Travel To Quebec On Dec 3/03

NOTES

Drill out cement



Based on the CAODC ETS file standard

| | | | |
|---|-------------------------|--|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR Intragaz | | UNIQUE ID: | |
| SURFACE LOCATION Saint Flavien | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |

| | | | | | | | | | | | | |
|---------------------------------|---|---------------------------------|--|-----------------------|--------------------------|--|---|--|--|--------------------------|-------------------------|-------------------|
| DAILY CHECKS | OPR. T.M. | DATE 05-Dec-2003 | LAST CASING TUBING OR LINER | W.D. (mm) 339.7 | W.H. (mm) 3315.3 | W.P. (mm) 101.20 | W.B. (mm) Loadstar | GRADE K55 | NO. OF JOINTS 22 | TOTAL LBS 301.52 | RE TO DRG HEAD (m) 7.48 | SET AT (m) 309.00 |
| (1) Daily VMA Record Inspection | (2) Daily Inspection (Weekly using checklist) | (3) HSE Signs Posted (Required) | (4) Well Location & Stick Diagram Posted | (5) Flare Line Stated | (6) BOP Drills Performed | (7) Visually Inspect BOP's Flarelines & Degasser Lines | (8) Rig Site Health and Safety Meeting (on-call assembly) | (9) CAODC Rig Safety Inspection Checklist (on-call assembly) | (10) Mast Inspection (Before Starting or Lowering) | (11) Crown Saver Checked | (12) Motor Vibs Checked | |
| FUEL @ 8:00 | RIG 126 | BOILER | | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |
| TEMPERATURE | CURRENT CONDITION | WIND DIRECTION | WIND SPEED | WIND DIRECTION | WIND SPEED | | | | | | | |
| | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | | PZ8 | | Gardner Denver | | 203 |
| | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | | 33 | PZ8 | Gardner Denver | | 203 |
| | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | | 3 | | | | |

| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|---------------|---------------------|--------------------------|-------------|----------------|----------|---|
| 1 | BIT 156 | 29RR | WATER BASED | 0:00 | 0:45 | 5 |
| 1 | Mud Motor 121 | SIZE 156 | 02:00 | 0:45 | 1:15 | 22 |
| 1 | 4"HTW 132 | IADC CODE 1 1 7 | 1030 | 1:15 | 3:45 | 2.50 |
| 2 | Weatherford Bit 136 | MFG. Smith | 33 | 3:45 | 4:00 | 0.25 |
| 3 | 4"HTW 102 | TYPE XR+ | 11.0 | 4:00 | 5:15 | 1.25 |
| 1 | 4"HTW 131 | SERIAL NO. MN9700 | 11.0 | 5:15 | 12:00 | 6.75 |
| 1 | Jars 121 | JEITS | | | | |
| 1 | 4"HTW 132 | DEPTH OUT (m) | | | | |
| 3 | 4"HTW 102 | DEPTH IN (m) | 1956.00 | | | |
| 1 | 4XT38 x 4FH 127 | TOTAL METERS DRILLED (m) | 420.00 | | | |
| 1 | 4XT38 x 4FH 133 | TOTAL HOURS RUN | 10.00 | | | |
| 36 | 4"HTW 102 | CUTTING STRUCTURE | | | | |
| 1 | 4"HTW 134 | 0.99 | | | | |
| 1 | 4"HTW 165 | 0.91 | | | | |
| 27 | 5"HTW 127 | 252.56 | | | | |
| 1 | 4"HTW 136 | 1.05 | | | | |
| 77 | D.P. STAKES | 2221.47 | | | | |
| 2 | D.P. SINGLES | 18.96 | | | | |
| TOTAL | | 2904.82 | | | | |
| WT. OF DC | | | | | | |
| WT. OF STAKES | | 57.00 | | | | |

| TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------|---|
| 0:00 | 5 Can't circulating bottoms up. |
| 0:45 | 22 Shut in well. Pressure start @ 1380kpa stabilizing @ 2030kpa over 20min. |
| 1:15 | 2.50 5 Circulate. Build new xanvis system in premix tank. |
| 3:45 | 0.25 7 Rig Service Function Annular C/O 18 secs |
| 4:00 | 1.25 5 Displace hole to xanvis water @ 1860m. |
| 5:15 | 6.75 5 Circulate & raise mud weight with cal-carb 325 to 1200 kg/m3. |

| BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----------------------|--------------------------|----------------|----------|---|
| 1 BIT 156 | 29RR | WATER BASED | 0:00 | 0:45 |
| 1 Mud Motor 121 | SIZE 156 | 02:00 | 0:45 | 1:15 |
| 1 4"HTW 132 | IADC CODE 1 1 7 | 1030 | 1:15 | 3:45 |
| 2 Weatherford Bit 136 | MFG. Smith | 33 | 3:45 | 4:00 |
| 3 4"HTW 102 | TYPE XR+ | 11.0 | 4:00 | 5:15 |
| 1 4"HTW 131 | SERIAL NO. MN9700 | 11.0 | 5:15 | 12:00 |
| 1 Jars 121 | JEITS | | | |
| 1 4"HTW 132 | DEPTH OUT (m) | | | |
| 3 4"HTW 102 | DEPTH IN (m) | 1956.00 | | |
| 1 4XT38 x 4FH 127 | TOTAL METERS DRILLED (m) | 420.00 | | |
| 1 4XT38 x 4FH 133 | TOTAL HOURS RUN | 10.00 | | |
| 36 4"HTW 102 | CUTTING STRUCTURE | | | |
| 1 4"HTW 134 | 0.99 | | | |
| 1 4"HTW 165 | 0.91 | | | |
| 27 5"HTW 127 | 252.56 | | | |
| 1 4"HTW 136 | 1.05 | | | |
| 77 D.P. STAKES | 2221.47 | | | |
| 2 D.P. SINGLES | 18.96 | | | |
| TOTAL | | 2904.82 | | |
| WT. OF DC | | | | |
| WT. OF STAKES | | 57.00 | | |

| METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------------|----------|---|
| 0:00 | 0:45 | 5 |
| 0:45 | 1:15 | 22 |
| 1:15 | 3:45 | 2.50 |
| 3:45 | 4:00 | 0.25 |
| 4:00 | 5:15 | 1.25 |
| 5:15 | 12:00 | 6.75 |

| BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----------------------|--------------------------|----------------|----------|---|
| 1 BIT 156 | 29RR | WATER BASED | 12:00 | 14:00 |
| 1 Mud Motor 121 | SIZE 156 | 14:00 | 14:00 | 14:30 |
| 1 4"HTW 132 | IADC CODE 1 1 7 | 1210 | 14:30 | 20:15 |
| 2 Weatherford Bit 136 | MFG. Smith | 37 | 20:15 | 20:30 |
| 3 4"HTW 102 | TYPE XR+ | 11.5 | 20:30 | 20:30 |
| 1 4"HTW 131 | SERIAL NO. MN9700 | 11.5 | 20:30 | 20:30 |
| 1 Jars 121 | JEITS | | | |
| 1 4"HTW 132 | DEPTH OUT (m) | | | |
| 3 4"HTW 102 | DEPTH IN (m) | 1956.00 | | |
| 1 4XT38 x 4FH 127 | TOTAL METERS DRILLED (m) | 420.00 | | |
| 1 4XT38 x 4FH 133 | TOTAL HOURS RUN | 10.00 | | |
| 36 4"HTW 102 | CUTTING STRUCTURE | | | |
| 1 4"HTW 134 | 0.99 | | | |
| 1 4"HTW 165 | 0.91 | | | |
| 27 5"HTW 127 | 252.56 | | | |
| 1 4"HTW 136 | 1.05 | | | |
| 77 D.P. STAKES | 2221.47 | | | |
| 2 D.P. SINGLES | 18.96 | | | |
| TOTAL | | 2904.82 | | |
| WT. OF DC | | | | |
| WT. OF STAKES | | 57.00 | | |

| METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------------|----------|---|
| 12:00 | 14:00 | 2.00 |
| 14:00 | 14:30 | 0.50 |
| 14:30 | 20:15 | 5.75 |
| 20:15 | 20:30 | 0.25 |
| 20:30 | 22:15 | 1.75 |
| 22:15 | 22:45 | 0.50 |
| 22:45 | 0:00 | 1.25 |

| | | | | |
|--------------------------|------------------------------------|-----------------|--------|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 05-Dec-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Joe Golden | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 269.00 |
| FIRST TOUR 0:00 to 12:00 | | INJURIES | | |
| CREW | SOC. INS. NO. | NAME | HRS | YES |
| Driller | | Garry Dale | 12.00 | GD |
| Derrickman | | Marc Lyonnais | 12.00 | ML |
| Derrickman | | Pat St onge | 12.00 | PS |
| Motorman | | Pete St onge | 12.00 | PS |
| Floorman | | Maxime Jacques | 12.00 | MJ |
| Floorman | | Robin Pelletier | 12.00 | RP |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP |
| RATE SCHEDULE | | REGULAR | REPAIR | INVERT |
| DRIVER A | CREW SAFETY DAYS | DRIVER B | | |

| | | | | |
|----------------------------|------------------|------------------|--------|--------|
| SECOND TOUR 12:00 to 24:00 | | INJURIES | | |
| CREW | SOC. INS. NO. | NAME | HRS | YES |
| Driller | | Gordon Cyr | 12.00 | GC |
| Derrickman | | Donald Bergeron | 12.00 | DB |
| Derrickman | | Marco Lepage | 12.00 | ML |
| Motorman | | Rejean Laroche | 12.00 | RL |
| Floorman | | Jonathan Beaudet | 12.00 | JB |
| Floorman | | Sebastien Cote | 12.00 | SC |
| RATE SCHEDULE | | REGULAR | REPAIR | INVERT |
| DRIVER A | CREW SAFETY DAYS | DRIVER B | | |



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, OPR, R.M., DATE 06-Dec-2003, LAST CASING 339.7, 3315.3, 101.20, Loadstar, K55, 22, 301.52, 7.48, 309.00, RIG NO. 9ETD, FUEL @ 8:00 244.5, 220.5, 69.90, CANTAK, L80, 123, 1671.52, 7.48, 1679.00, PMS 185, BOILER, LINER, 177.8, 38.69, L80, 52, 711.34, 7.48, 1955.00

TIME - HRS table with columns for CIPPER, DAY, EVE, TOTAL and various well parameters.

BIT RECORD and MUD RECORD for the first tour, including Parabow bit details and mud properties.

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour, including notes on R.I.H. and safety meetings.

WELL NAME & No. SF-18, DATE 06-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 270.00

BIT RECORD and MUD RECORD for the second tour, including Parabow bit details and mud properties.

METERS DRILLED, TIME LOG, and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour, including notes on circulating string and laydown truck.

CREW schedule table with columns for NAME, HRS, YES/NO, DRIVER A, CREW SAFETY DAYS, DRIVER B.



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO. 2694C, AFE, DAILY CHECKS, DATE 08-Dec-2003, LAST CASING TUBING OR LINER, FUEL @ 8:00, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, SHALE SHAKER(S), RENTALS/SERVICES

WELL TYPE, RE-ENTRY, DATE 08-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Joe Golden, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 272.00

TIME-HRS table with columns for code, no., and various operational metrics.

BIT RECORD table with columns for bit no., size, type, and mud record details.

METERS DRILLED table with columns for depth, time, and remarks.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table with columns for crew, soc. ins. no., name, hrs, and injuries.

BIT RECORD table (continued) with columns for bit no., size, type, and mud record details.

METERS DRILLED table (continued) with columns for depth, time, and remarks.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table (continued) with columns for crew, soc. ins. no., name, hrs, and injuries.

FIRST TOUR

SECOND TOUR

NOTES
Check brakes & linkage, stabbing valve (open). Check B.O.P.'s, manifold & degasser. Function crown saver.GD

NOTES
Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Crown Saver, Grouted Blocks & Crown GC.



Based on the CAODC ETS file standard

| | | | |
|---|--|--|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | |
| OPERATOR Intragaz | UNIQUE ID: | | |
| SURFACE LOCATION Saint Flavian | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Joe Golden | |

| | | | | | | | | | |
|------------------|---------------------------|--------|--------|----------|-----|-----|---------|------|---------|
| DATE 10-Dec-2003 | LAST CASING TBH (m) 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| RIG NO. 9ETD | FUEL @ 8:00 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| RIG 76 | ROLLER 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|------|-------|------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| OPER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | 6.25 | 2.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | |
| HR | | | | | | 1.75 | 8.00 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | 8.00 | 10.25 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | |
|-------------------|----------------|--------------------|-------|-------------|-------------------|-------------|---------------|----------------|-------------------|-----------------|
| TEMPERATURE | DOGP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN ID (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE LTR (m³) |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2H | PZ8 | Gardner Denver | 203 | |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | | |
|------------------------|------------------------------------|---|-------------------------|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 10-Dec-2003 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| RIG MANAGER Joe Golden | RIG NO. | 9ETD | |
| PROVINCE Quebec | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 274.00 |

| BIT RECORD | | MUD RECORD | |
|------------|-----------|------------|-----------------------|
| NO. | BIT | NO. | MUD |
| 1 | 156 | 0.20 | 29RR |
| 1 | Mud Motor | 121 | 6.90 |
| 1 | 132 | 0.75 | ADCC CODE |
| 2 | 136 | 2.38 | MFG. Smith |
| 3 | 4"HWT | 102 | 28.02 |
| 1 | 131 | 0.74 | SERIAL NO. MN9700 |
| 1 | Jars | 121 | 5.11 |
| 1 | 132 | 0.75 | DEPTH OUT (m) 2775.00 |
| 3 | 4"HWT | 102 | 27.78 |
| 1 | 127 | 0.99 | DEPTH IN (m) 1970.00 |
| 1 | 133 | 0.76 | CAUSTIC 4sx |
| 36 | 4"HWT | 102 | 334.50 |
| 1 | 134 | 0.99 | DESCO 3sx |
| 1 | 165 | 0.91 | purplewhites 131sx |
| 1 | 136 | 1.05 | |

| METERS DRILLED | | TIME LOG | |
|----------------|-------|----------|------|
| FROM | TO | From | To |
| 0:00 | 2:00 | 2:00 | 2:00 |
| 2:00 | 2:45 | 2:45 | 0:75 |
| 2:45 | 5:00 | 5:00 | 2:25 |
| 5:00 | 5:15 | 5:15 | 0:25 |
| 5:15 | 6:45 | 6:45 | 1:50 |
| 6:45 | 10:45 | 10:45 | 4:00 |
| 10:45 | 11:30 | 11:30 | 0:75 |
| 11:30 | 11:45 | 11:45 | 0:25 |
| 11:45 | 12:00 | 12:00 | 0:25 |

| DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | |
|---|-------|--------------------------|----|
| 0:00 | 2:00 | 2:00 | 5 |
| 2:00 | 2:45 | 2:45 | 6 |
| 2:45 | 5:00 | 5:00 | 22 |
| 5:00 | 5:15 | 5:15 | 22 |
| 5:15 | 6:45 | 6:45 | 6 |
| 6:45 | 10:45 | 10:45 | 5 |
| 10:45 | 11:30 | 11:30 | 23 |
| 11:30 | 11:45 | 11:45 | 7 |
| 11:45 | 12:00 | 12:00 | 5 |

| CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
|---------------|--|---------------|--|-----------------|--|-------|----|--------------------------|-------------------------------------|----|--|
| Driller | | | | Garry Dale | | 12.00 | GD | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Derrickman | | | | Marc Lyonnais | | 12.00 | ML | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Derrickman | | | | Pat St onge | | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Motorman | | | | Pete St onge | | 12.00 | PS | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Floorman | | | | Maxime Jacques | | 12.00 | MJ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Floorman | | | | Robin Pelletier | | 12.00 | RP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Rig Manager 2 | | | | Dan Pelletier | | 12.00 | DP | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |

| BIT RECORD | | MUD RECORD | |
|------------|-----------|------------|-----------------------|
| NO. | BIT | NO. | MUD |
| 1 | 156 | 0.20 | 29RR |
| 1 | Mud Motor | 121 | 6.90 |
| 1 | 132 | 0.75 | ADCC CODE |
| 2 | 136 | 2.38 | MFG. Smith |
| 3 | 4"HWT | 102 | 28.02 |
| 1 | 131 | 0.74 | SERIAL NO. MN9700 |
| 1 | Jars | 121 | 5.11 |
| 1 | 132 | 0.75 | DEPTH OUT (m) 2775.00 |
| 3 | 4"HWT | 102 | 27.78 |
| 1 | 127 | 0.99 | DEPTH IN (m) 1970.00 |
| 1 | 133 | 0.76 | CAUSTIC 2 sx |
| 36 | 4"HWT | 102 | 334.50 |
| 1 | 134 | 0.99 | DESCO 2 chembarrel |
| 1 | 165 | 0.91 | pulpowwhite 540sx |
| 1 | 136 | 1.05 | xldfoamer 1 pall |

| METERS DRILLED | | TIME LOG | |
|----------------|-------|----------|-------|
| FROM | TO | From | To |
| 12:00 | 13:45 | 12:00 | 13:45 |
| 13:45 | 15:30 | 15:30 | 1:75 |
| 15:30 | 16:00 | 16:00 | 0:50 |
| 16:00 | 19:30 | 19:30 | 3:50 |
| 19:30 | 20:00 | 20:00 | 0:50 |
| 20:00 | 21:45 | 21:45 | 1:75 |
| 21:45 | 22:00 | 22:00 | 0:25 |
| 22:00 | 23:00 | 23:00 | 1:00 |
| 23:00 | 23:15 | 23:15 | 0:25 |
| 23:15 | 23:45 | 23:45 | 0:50 |
| 23:45 | 24:00 | 24:00 | 0:25 |

| DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | |
|---|-------|----------------------------|----|
| 12:00 | 13:45 | 12:00 | 5 |
| 13:45 | 15:30 | 15:30 | 6 |
| 15:30 | 16:00 | 16:00 | 9 |
| 16:00 | 19:30 | 19:30 | 6 |
| 19:30 | 20:00 | 20:00 | 24 |
| 20:00 | 21:45 | 21:45 | 6 |
| 21:45 | 22:00 | 22:00 | 24 |
| 22:00 | 23:00 | 23:00 | 6 |
| 23:00 | 23:15 | 23:15 | 24 |
| 23:15 | 23:45 | 23:45 | 20 |
| 23:45 | 24:00 | 24:00 | 7 |

| CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
|------------|--|---------------|--|-------------------|--|-------|----|--------------------------|-------------------------------------|----|--|
| Driller | | | | Gordon Cyr | | 12.00 | GC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Derrickman | | | | Donald Bergeron | | 12.00 | DB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Derrickman | | | | Marco Lepage | | 12.00 | ML | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Motorman | | | | Rejean Larochelle | | 12.00 | RL | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Floorman | | | | Jonathan Beaudet | | 12.00 | JB | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Floorman | | | | Sebastien Cote | | 12.00 | SC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |



Based on the CAODC ETS file standard

| | | | |
|---|-------------------------|---|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | OPERATOR Intragaz | |
| CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | |
| SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |

| | | | | | | | | | | |
|--------------------------|-------------------|--------------------|----------------------|---------------|-------------------|-------------|------------------|------------------------|-------------------------|-------------------|
| DATE 11-Dec-2003 | LAST RIG NO. 9ETD | O.D. (mm) 339.7 | MIN I.D. (mm) 3315.3 | 101.20 | MAKES Loadstar | GRADE K55 | NO. OF JOINTS 22 | TOTAL W. LENGTH 301.52 | KB TO CSG HEAD (m) 7.48 | SET AT (m) 309.00 |
| FUEL @ 8:00 | RIG 128 | 324.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| TEMPERATURE | DC/OP PRESS (kPa) | LINEAR MASS (kg/m) | GRADE | MIN I.D. (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO. OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (STK/REV) |
| CURRENT CONDITION 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | | PZ8 | Gardner Denver | 203 | |
| WIND CORRECTION 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | | 33 | PZ8 | Gardner Denver | 203 |
| ROAD 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | | 3 | | | |

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|------------|-----|------------|--------|----------------|------|----------|----------|---|--|
| NO. | BIT | SIZE | LENGTH | TIME | FROM | TO | Emp Time | Code No. | |
| | | | | 02:00 | 0:00 | 1:00 | 1.00 | 22 | Rig up floor to pick up 2 7/8 DP. |
| | | | | 12:40 | 1:00 | 8:30 | 7.50 | 6 | Pick up 2-7/8 dp |
| | | | | 62 | 8:30 | 9:15 | 0.75 | 23 | INSTALL ROTATING BEARING & LAY DOWN FI EQUIPMENT |
| | | | | 8.5 | 9:15 | 12:00 | 2.75 | 6 | PICK UP 4" DP |

| | | | | |
|-------------------------|------------------------------------|-------------|----|-------------------------|
| WELL TYPE | RE-ENTRY | YES | NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 11-Dec-2003 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | | | |
| PROVINCE Quebec | CAMP | YES | NO | RIG SAFETY DAYS: 275.00 |

| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
|------------|-----|------------|---------|----------------|-------|----------|----------|---|---|
| NO. | BIT | SIZE | LENGTH | TIME | FROM | TO | Emp Time | Code No. | |
| 138 | | 73 | 1309.57 | 12:00 | 12:00 | 13:00 | 1.00 | 6 | Finish running 4" dp to 2450m |
| 1 | | 121 | 1.22 | 12:45 | 13:00 | 15:45 | 2.75 | 5 | Pump sweep & circ |
| 1 | | 131 | 0.75 | 59 | 15:45 | 16:00 | 0.25 | 21 | Safety Meeting |
| 1 | | 133 | 0.99 | 75 | 16:00 | 18:00 | 2.00 | 12 | RIG UP TO PUMP CEMENT & PUMP 18M/3 CEMENT PLUG |
| 1 | | 165 | 0.91 | 14.7 | 18:00 | 20:00 | 2.00 | 6 | Trip up to 1970m. |
| | | | | 14:00 | 20:00 | 23:45 | 3.75 | 5 | Circulate bottoms up at 1970m. Pull Up To 1940m & Circulate |
| | | | | 1050 | 23:45 | 24:00 | 0.25 | 7 | Rig Service Function BPR C/O 7 secs |
| | | | | 75 | | | | | |
| | | | | 8.0 | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Garry Dale | 8.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 8.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 8.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 8.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 8.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 8.00 | RP | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |
| Driller | | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 12.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 4.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 4.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 4.00 | ML | <input checked="" type="checkbox"/> |
| Motorman | | Rajean Larochelle | 4.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 4.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 4.00 | SC | <input checked="" type="checkbox"/> |

FIRST TOUR

SECOND TOUR

NOTES
Check brakes & linkage, stabbing valve (open). Check B.O.P's, manifold & degasser. Function crown saver.GD

NOTES
Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves,



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|--|--|---|--|---|--|--|--|-----------------------------|--|--------------------------|--|---------------------------|--|-------------------------|--|---------------------|--|---|--|------------------------------|--|--------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | OPR | | R.M. | | DATE 12-Dec-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) | | I.D. (mm) | | GRADE | | NO. OF JOINTS | | TOTAL (m) LENGTH | | RE TO GROUND ELEV. | | BIT AT (m) | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well#2694C | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | <input checked="" type="checkbox"/> (1) Daily Walk Around Inspection <input checked="" type="checkbox"/> (2) Detailed Inspection Weekly (using checklist) <input checked="" type="checkbox"/> (3) 70% Signs (visual if required) <input checked="" type="checkbox"/> (4) Well License & Stack Diagram Posted <input checked="" type="checkbox"/> (5) Flare Line Tested <input checked="" type="checkbox"/> (6) BOP Drills Performed <input checked="" type="checkbox"/> (7) Visually Inspect BOP's & Discharge Lines <input checked="" type="checkbox"/> (8) CAODC Rig Safety Inspection Checklist (where/most) <input checked="" type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (where/most) <input checked="" type="checkbox"/> (10) Next Inspector Name/Heading of Logging <input checked="" type="checkbox"/> (11) Crown Saver Checked <input checked="" type="checkbox"/> (12) Well Site Checked | | <input checked="" type="checkbox"/> (1) Daily Walk Around Inspection <input checked="" type="checkbox"/> (2) Detailed Inspection Weekly (using checklist) <input checked="" type="checkbox"/> (3) 70% Signs (visual if required) <input checked="" type="checkbox"/> (4) Well License & Stack Diagram Posted <input checked="" type="checkbox"/> (5) Flare Line Tested <input checked="" type="checkbox"/> (6) BOP Drills Performed <input checked="" type="checkbox"/> (7) Visually Inspect BOP's & Discharge Lines <input checked="" type="checkbox"/> (8) CAODC Rig Safety Inspection Checklist (where/most) <input checked="" type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (where/most) <input checked="" type="checkbox"/> (10) Next Inspector Name/Heading of Logging <input checked="" type="checkbox"/> (11) Crown Saver Checked <input checked="" type="checkbox"/> (12) Well Site Checked | | 339.7 244.5 177.8 | | 3315.3 220.5 38.69 | | 101.20 69.90 39.69 | | Loadstar CANTAK L80 | | K55 L80 52 | | 22 123 711.34 | | 7.48 7.48 7.48 | | 309.00 1679.00 1955.00 | | | |
| OPERATOR Intragaz | | SURFACE LOCATION Saint Flavien | | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | BOOP SIZE (mm) | | LINEAR MASS (kg/m) | | GRADE | | TOOL JT O.D. (mm) | | THREAD TYPE | | NO. OF JOINTS | | PUMP TYPE | | PUMP MANUFACTURER | | STROKES (L/H, GPM) | |
| 127.00 171.00 228.00 | | 29.00 174.00 236.00 | | E DC DC | | 85.00 156.00 228.00 | | 41/2IF 5H90 7H90 | | PZ8 PZ8 3 | | Gardner Denver Gardner Denver | | 203 203 | | | | | | | | | | | | | | | | | |
| TIME - HRS | | DATE | | EVEN | | TOTAL | | SHALE SHAKER(S) | | RENTALS/SERVICES | | WELL NAME & No. SF-18 | | CONTRACTOR Nabors Drilling Limited | | DATE 12-Dec-2003 | | OPERATOR Intragaz | | RIG NO. 9ETD | | RIG SAFETY DAYS: 276.00 | | WELL TYPE | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | | |
| 0.25 1.50 8.50 0.50 0.25 1.75 8.50 | | 7.00 8.50 18.00 0.50 | | 0.25 1.50 8.50 0.50 0.25 1.75 8.50 | | 0.25 1.50 8.50 0.50 0.25 1.75 8.50 | | 13.88 12.00 24.00 | | YES 175 175 | | NO 175 175 | | 12-Dec-2003 | | Nabors Drilling Limited | | 12-Dec-2003 | | Intragaz | | 9ETD | | 276.00 | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | | | |
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | INJURIES | | | | | | | | | | | |
| 138 73 1309.57 BIT NO. 73 1 121 1.22 SIZE 1 131 0.75 IADC CODE 1 133 0.99 MFG. 1 165 0.91 TYPE SERIAL NO. JETS DEPTH OUT (m) DEPTH IN (m) TOTAL METERS DRILLED TOTAL HOURS RUN CUTTING STRUCTURE HOLE CONDITION HOLE DRAG TORQUE AT BOTTOM FILL ON BOTTOM (m) | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED TIME 02:00 DENSITY 1230 MFG. 59 W.L. (cm3) 11.0 SERIAL NO. JETS DEPTH OUT (m) DEPTH IN (m) TOTAL METERS DRILLED TOTAL HOURS RUN CUTTING STRUCTURE HOLE CONDITION HOLE DRAG TORQUE AT BOTTOM FILL ON BOTTOM (m) | | FROM TO 0:00 4:00 4:00 5 4:00 6:45 2:75 6 6:45 7:30 0:45 22 7:30 7:45 0:25 21 7:45 12:00 4:25 8 | | 0:00 4:00 4:00 5 4:00 6:45 2:75 6 6:45 7:30 0:45 22 7:30 7:45 0:25 21 7:45 12:00 4:25 8 | | Condition Mud & Circ. @ 1940m Flow Check, Blow Kelly, & Trip Up To 2 7/8 DP Rig Up Laydown Truck & 2-7/8 Running Gear safety meeting Lay down 27/8 dp | | RIG MANAGER Joe Golden DRILLER Gordon Cyr DERRICKMAN Donald Bergeron DERRICKMAN Marc Lyonnais MOTORMAN Rejean Larochelle FLOORMAN Jonathan Beaudet FLOORMAN Sebastien Cote | | HRS 12.00 12.00 12.00 12.00 12.00 12.00 | | INJURIES JG GC DB ML RL JB SC | | | | | | | | | | | | | | | | | |
| 82 2355.06 0 0.00 0.00 3668.50 | | 82 2355.06 0 0.00 0.00 3668.50 | | 12:00 13:30 1:50 6 13:30 14:30 1:00 22 14:30 14:45 0:25 7 14:45 21:45 7:00 6 21:45 22:30 0:45 5 22:30 23:15 0:45 5 23:15 23:30 0:25 7 23:30 24:00 0:50 23 | | 12:00 13:30 1:50 6 13:30 14:30 1:00 22 14:30 14:45 0:25 7 14:45 21:45 7:00 6 21:45 22:30 0:45 5 22:30 23:15 0:45 5 23:15 23:30 0:25 7 23:30 24:00 0:50 23 | | Lay down 27/8 dp Lay down rotating bearing & lay down pipe fl equipment Service rig & top drive Run in hole & Strap Pipe with packer to 1930M Condition Mud & Circ. Pump 5m3 Xarvis Fluid & Spot Around Packer Rig Service Set Packer | | RIG MANAGER Michel Nault DRILLER Chris Donohue DERRICKMAN Steve St Onge MOTORMAN Vaughn Prychak FLOORMAN Gabriel Cote FLOORMAN Junior Grimard | | HRS 12.00 12.00 12.00 12.00 12.00 12.00 | | INJURIES MN CD SS VP GC JG | | | | | | | | | | | | | | | | | |
| 82 2355.06 0 0.00 0.00 2359.43 | | 82 2355.06 0 0.00 0.00 2359.43 | | 12:00 13:30 1:50 6 13:30 14:30 1:00 22 14:30 14:45 0:25 7 14:45 21:45 7:00 6 21:45 22:30 0:45 5 22:30 23:15 0:45 5 23:15 23:30 0:25 7 23:30 24:00 0:50 23 | | 12:00 13:30 1:50 6 13:30 14:30 1:00 22 14:30 14:45 0:25 7 14:45 21:45 7:00 6 21:45 22:30 0:45 5 22:30 23:15 0:45 5 23:15 23:30 0:25 7 23:30 24:00 0:50 23 | | Lay down 27/8 dp Lay down rotating bearing & lay down pipe fl equipment Service rig & top drive Run in hole & Strap Pipe with packer to 1930M Condition Mud & Circ. Pump 5m3 Xarvis Fluid & Spot Around Packer Rig Service Set Packer | | RIG MANAGER Michel Nault DRILLER Chris Donohue DERRICKMAN Steve St Onge MOTORMAN Vaughn Prychak FLOORMAN Gabriel Cote FLOORMAN Junior Grimard | | HRS 12.00 12.00 12.00 12.00 12.00 12.00 | | INJURIES MN CD SS VP GC JG | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------------------------|---|-----|--|--|------------------|-----------------------------|------------|----------|-------|--------|----------------|----------|----------------|----------------|-------------|-------|--------|--------|---|-------|--------|---------|----------------------------|---------|--|--|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection Weekly (being checked) (3) HCS Sign Manual (if required) (4) Well Layout & Stick Diagram Posted (5) Fire Line Staked (6) BOP Drills Performed (7) Visually Inspect BOP's Flans/Gas & Dogear Lines (8) G.O.D.C Rig Safety Inspection Checklist (being reviewed) (9) Main Inspection Before Raising or Lowering (10) Crown Saver Checked (11) Motor Oil Checked | | DATE 13-Dec-2003 | LAST CASING TUBING OR LINER | 9ETD | LAST LOG | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 | | | | | | | | | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | | CONTRACTOR Nabors Drilling Limited | | TEMPERATURE | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | PZ8 | Gardner Denver | 203 | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | |
| OPERATOR Intragaz | SURFACE LOCATION Saint Flavian | SIGNATURE OF OPERATORS REPRESENTATIVE DEAN WAPPLE | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 | ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |
| DRILLING ASSEMBLY | | | | BIT RECORD | | | | MUD RECORD | | | | METERS DRILLED | | | | TIME LOG | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | FIRST TOUR 0:00 TO 12:00 | | | |
| DRILLING ASSEMBLY | | | | BIT RECORD | | | | MUD RECORD | | | | METERS DRILLED | | | | TIME LOG | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | SECOND TOUR 12:00 TO 24:00 | | | |



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, DAILY CHECKS, DATE 15-Dec-2003, LAST CASING TUBING OR LINER, FUEL @ 8:00, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, SHALE SHAKER(S), RENTALS/SERVICES

TIME - HRS table with columns for CODE NO., DRILLING ASSEMBLY, TIME, etc.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS table with columns for FROM, TO, TIME LOG, etc.

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., OPERATOR, RIG MANAGER, PROVINCE, DATE, RIG NO., RIG SAFETY DAYS

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the first tour, including Trip Out Lay Down Motor, Pick Up Underreamer & RIH, etc.

CREW, SOC. INS. NO., NAME, HRS, INJURIES for the first tour, including Gordon Cyr, Donald Bergeron, etc.

BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour.

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for the second tour, including UNDERREAMING FROM 2005 M TO 2025M, etc.

CREW, SOC. INS. NO., NAME, HRS, INJURIES for the second tour, including Michel Naut, Chris Donohue, etc.



Based on the CAODC ETS file standard

SPUD: RIG RELEASE: JOB NO. 2694C AFE: Well#2694C
 LICENCE NO.: WELL NAME AND NO. SF-18
 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited
 SURFACE LOCATION: Saint Flavien UNIQUE ID:
 SIGNATURE OF OPERATORS REPRESENTATIVE: DEAN WAPPLE
 SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson

DAILY CHECKS
 (1) Daily Walk Around Inspection
 (2) Detailed Inspection - Weekly (using checklist)
 (3) H2S Spill Protocol (if required)
 (4) Well Control & Block Diagram Posted
 (5) Flare Log Started
 (6) BOP Chk Perf. record
 (7) Visually Inspect EOP's Flarelines & Degasser Lines
 (8) Rig Safety Meeting (Implementation)
 (9) C.A.O.D.C. Rig Safety Inspection Checklist (Implementation)
 (10) Main Inspection: Before Raising or Lowering
 (11) Crown Saver Checked
 (12) H2S Chk (if checked)

| | | | | | | | | | | | | | |
|-------------|-------------|---------------------------|-------|-----------|-------|--------|---------|----------|---------|----|--------|------|---------|
| DA 16 | 16-Dec-2003 | LAST CASING TUBING OR RIG | 9ETD | O.D. (mm) | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | | | |
| RIG 100 | BOILER | LINER | 177.8 | | | | 38.69 | | | | 711.34 | 7.48 | 1955.00 |

| CODE NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| OPER | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | | | | | | | | | | | | | | | | | | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|-------------------|-------|------------------|-----|
| SHALE SHAKER(S) | | RENTALS/SERVICES | |
| SCHEMING CHANGED? | YES | NO | |
| TOP | 175 | TOP | 175 |
| MIDDLE | 175 | MIDDLE | 175 |
| BOTTOM | 24.00 | BOTTOM | |

WELL TYPE: RE-ENTRY YES NO IKB TO GROUND ELEV.
 WELL NAME & No. SF-18 Well#2694C DATE 16-Dec-2003
 OPERATOR Intragaz CONTRACTOR Nabors Drilling Limited
 RIG MANAGER Don Johnson RIG NO. 9ETD
 PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 280.00

| BIT | SIZE | TIME | BIT NO. | 29RR | MUD TYPE | WATER BASED | OIL BASED | TIME | 06:00 | 10:00 |
|-----------|------|--------|---------|------|----------|-------------------------------------|--------------------------|------|-------|-------|
| 1 BIT | 156 | 0.20 | 29RR | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1 Bit Sub | 121 | 0.92 | 156 | | | | | | | |
| 1 Jars | 121 | 5.11 | | | | | | | | |
| 1 Jars | 132 | 0.75 | | | | | | | | |
| 1 Jars | 136 | 2.38 | | | | | | | | |
| 1 Jars | 102 | 55.95 | | | | | | | | |
| 1 Jars | 131 | 0.74 | | | | | | | | |
| 1 Jars | 121 | 5.11 | | | | | | | | |
| 1 Jars | 132 | 0.75 | | | | | | | | |
| 1 Jars | 102 | 27.78 | | | | | | | | |
| 1 Jars | 127 | 0.99 | | | | | | | | |
| 1 Jars | 133 | 0.76 | | | | | | | | |
| 1 Jars | 102 | 306.57 | | | | | | | | |
| 1 Jars | 134 | 0.99 | | | | | | | | |
| 1 Jars | 165 | 0.91 | | | | | | | | |

| FROM | TO | ROTARY R.P.M. | W.P. OR BIT SPEED | FROM | TO | TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|---------|---------|---------------|-------------------|------|-------|-------|----------|--|
| 1960.00 | 2350.00 | Wash | 60 | 0 | 0:00 | 4:30 | 4.50 | 6 Trip In Hole, Fill Pipe @ 1571m & RIH TO 1955m |
| | | | | | 4:30 | 9:15 | 4.75 | 5 Wash FR/1955 TO/2350m |
| | | | | | 9:15 | 10:45 | 1.50 | 5 Condition Mud & Circ. |
| | | | | | 10:45 | 11:45 | 1.00 | 6 WIPER TRIP UP TO 2193M |
| | | | | | 11:45 | 12:00 | 0.25 | 5 Condition Mud & Circ. AT 2350M |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|-------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Rig Manager | | Joe Golden | 12.00 | JG | <input checked="" type="checkbox"/> |

| BIT | SIZE | TIME | BIT NO. | 55 UP 1/46 DN AT 1750M | MUD TYPE | WATER BASED | OIL BASED | TIME | 17:00 | 17:50 |
|-----------|------|--------|---------|------------------------|----------|-------------------------------------|--------------------------|------|-------|-------|
| 1 BIT | 156 | 0.20 | 29RR | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1 Bit Sub | 121 | 0.92 | 156 | | | | | | | |
| 1 Jars | 121 | 5.11 | | | | | | | | |
| 1 Jars | 132 | 0.75 | | | | | | | | |
| 1 Jars | 136 | 2.38 | | | | | | | | |
| 1 Jars | 102 | 55.95 | | | | | | | | |
| 1 Jars | 131 | 0.74 | | | | | | | | |
| 1 Jars | 121 | 5.11 | | | | | | | | |
| 1 Jars | 132 | 0.75 | | | | | | | | |
| 1 Jars | 102 | 27.78 | | | | | | | | |
| 1 Jars | 127 | 0.99 | | | | | | | | |
| 1 Jars | 133 | 0.76 | | | | | | | | |
| 1 Jars | 102 | 306.57 | | | | | | | | |
| 1 Jars | 134 | 0.99 | | | | | | | | |
| 1 Jars | 165 | 0.91 | | | | | | | | |

| FROM | TO | ROTARY R.P.M. | W.P. OR BIT SPEED | FROM | TO | TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|---------|----|---------------|-------------------|------|-------|-------|----------|--|
| 2350.00 | | | | | 12:00 | 12:30 | 0.50 | 5 Condition Mud & Circ. |
| | | | | | 12:30 | 15:30 | 3.00 | 6 PUMP PILL & POOH TO 1241M |
| | | | | | 15:30 | 16:00 | 0.50 | 22 FLOW CHECK AT 1241M |
| | | | | | 16:00 | 19:00 | 3.00 | 6 POOH |
| | | | | | 19:00 | 19:15 | 0.25 | 7 Rig Service Function Blind Rams, TPR & BPR, C/O 7 secs |
| | | | | | 19:15 | 21:30 | 2.25 | 12 Rig Up To Run Liner |
| | | | | | 21:30 | 21:45 | 0.25 | 21 Safety Meeting |
| | | | | | 21:45 | 24:00 | 2.25 | 12 Make Up Shoe JT & Run 114.3mm CSG |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|----------------|-------|-----|-------------------------------------|
| Driller | | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 12.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |

FIRST TOUR

SECOND TOUR

NOTES
 Check Brakes & Linkage, Stabbing Valve, BOP & Manifold Valves, Set & Function Crown Saver G.C.

NOTES
 Check brakes & linkage & crown saver, m



Based on the CAODC ETS file standard

SPUD, RIG RELEASE, JOB NO., AFE, LICENCE NO., WELL NAME AND NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE, DAILY CHECKS, DATE, LAST CASING, U.O. (mm), MIN ID. (mm), I.D., MAKE, GRADE, NO. OF JOINTS, TOTAL (m) LENGTH, RE-TO ETS, SET AT (m), RIG NO., FUEL @ 9:00, OR LINER, RIG, TEMPERATURE, CURRENT CONDITION, WIND DIRECTION, ROAD, DCIDP SIZE, LINEAR MASS, GRADE, MIN. I.D., TOOL JT. O.D., THREAD TYPE, NO. OF JOINTS, PUMP TYPE, PUMP MANUFACTURER, STROKE

TIME - HRS, OPERATOR, RIG NO., DATE, CONTRACTOR, RIG MANAGER, PROVINCE, CAMP, RIG SAFETY DAYS

BIT RECORD, MUD RECORD, HOLE CONDITION, DEPTH OUT (m), DEPTH IN (m), TORQUE AT BOTTOM, FILL ON BOTTOM (m)

BIT RECORD, MUD RECORD, HOLE CONDITION, DEPTH OUT (m), DEPTH IN (m), TORQUE AT BOTTOM, FILL ON BOTTOM (m)

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY

METERS DRILLED, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS, CIRCULATION PRESSURE, PUMP NO. 1, PUMP NO. 2, REDUCED PUMP SPEED, DEVIATION SURVEY

WELL TYPE, RE-ENTRY, KB TO GROUND ELEV., WELL NAME & No., DATE, CONTRACTOR, RIG NO., RIG MANAGER, PROVINCE, CAMP, RIG SAFETY DAYS

CREW, SOC. INS. NO., NAME, HRS, YES, NO, Driller, Derrickman, Motorman, Floorman, Rig Manager

CREW, SOC. INS. NO., NAME, HRS, YES, NO, Driller, Derrickman, Motorman, Floorman



Based on the CAODC ETS file standard

| | | | |
|--|---------------------------------------|--|---------------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 Well#2694C | | DATE 19-Dec-2003 |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | |
| SURFACE LOCATION Saint Flavian | | UNIQUE ID: | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |

| DAILY CHECKS | OPR. | R.M. | DATE | LAST CASING TUBING OR LINER | WB (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | WLD (MM) | | | | | | |
|--|--------------------------|--------------------------|-------------|-----------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|----------|----------|----------|-----|-----|---------|------|---------|--|
| (1) Daily Walk Around Inspection (2) Detailed Inspection/Walk being checked (3) H2S Signs Posted (if required) (4) Well Control & Block Diagram Posted (5) Flow Log Checked (6) BOP Data Performed (7) Visually Inspect (BOP) / Annular & Degasser Lines (8) C.A.O.D.C Rig Safety Inspection Checklist (conf/annular) (9) Mast Inspection Before Raising or Lowering (10) Crown Saver Checked (11) Motor Oil Checked | <input type="checkbox"/> | <input type="checkbox"/> | 19-Dec-2003 | 9ETD | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 | FUEL @ 8:00 | 244.8 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | |
| | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|
| COMP NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | | | | | | | | | | | |
| OPPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TEMPERATURE | DEPTH (m) | TEMPERATURE | DEPTH (m) | TEMPERATURE | DEPTH (m) | TEMPERATURE | DEPTH (m) | TEMPERATURE | DEPTH (m) | TEMPERATURE | DEPTH (m) | | | | | | |
|-------------|-----------|-------------|-----------|-------------|-----------|----------------|-----------|-------------|-----------|-------------|-----------|--------|------|----|-----|----------------|-----|
| 127.00 | 29.00 | 85.00 | 156.00 | 41/2H | PZB | Gardner Denver | 203 | 171.00 | 174.00 | DC | 74.00 | 172.00 | SH90 | 33 | PZB | Gardner Denver | 203 |

| | | | | | |
|-----------------|--|---------------------|-------------------------|-------------|---|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG TO GROUND ELEV. | DATE | 19-Dec-2003 | |
| WELL NAME & No. | SF-18 | Well#2694C | DATE | 19-Dec-2003 | |
| OPERATOR | Intragaz | CONTRACTOR | Nabors Drilling Limited | RIG NO. | 9ETD |
| RIG MANAGER | Don Johnson | RIG SAFETY DAYS | 283.00 | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

| BIT | Q.D. (mm) | LENGTH | BIT NO. | 29RR | MUD TYPE | WATER BASED | OIL BASED | TIME | 02:00 | 06:00 | 10:00 |
|-----|-----------|--------|------------|---------|----------|-------------|-----------|-------|-------|-------|-------|
| 1 | 156 | 0.20 | 29RR | 156 | TIME | | | 02:00 | 06:00 | 10:00 | |
| 1 | 121 | 7.09 | SIZE | 156 | DENSITY | | | 1070 | 1060 | 1050 | |
| 1 | 114 | 0.32 | MDC CODE | | | | | | | | |
| 1 | 121 | 0.76 | MFG | SMITH | | | | 42 | 43 | 42 | |
| 1 | 117 | 0.56 | TYPE | XR+ | | | | 31.00 | | | |
| 1 | 106 | 0.89 | SERIAL NO. | MN97000 | | | | 11.5 | 11.5 | 11.5 | |

| METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|--------------------|---------------|---|
| 1618.00 to 1750.50 | 0:00 to 7:00 | Drill cement fr/ 1618m to 1750.50m Circulate casing clean. |
| | 7:00 to 7:45 | Rig Service. Function annular 23sec. HCR 3sec. |
| | 8:00 to 8:30 | Pressure test 7" liner / liner lap to 11.3mpa.lost 300kpa/15min. |
| | 8:30 to 11:30 | P.O.O.H with bit #29RR. Remove weatherford bearing @ 1550m. Break & lay out B.H.A. |

FIRST TOUR

| BIT | Q.D. (mm) | LENGTH | BIT NO. | 30 | MUD TYPE | WATER BASED | OIL BASED | TIME | 14:00 | 18:00 | 22:00 |
|-----|-----------|--------|------------|---------|----------|-------------|-----------|-------|-------|-------|-------|
| 1 | 98 | 0.17 | 30 | 98 | TIME | | | 14:00 | 18:00 | 22:00 | |
| 1 | 0 | 4.36 | REZ | 98 | DENSITY | | | | | | |
| 1 | 0 | 0.73 | MOB CODE | | | | | | | | |
| 1 | 0 | 0.60 | MFG | SMITH | | | | | | | |
| 1 | 0 | 0.81 | TYPE | MOBQOPX | | | | | | | |
| 1 | 0 | 1.22 | SERIAL NO. | JS7620E | | | | | | | |

| METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------------|----------------|--|
| 18:00 to 19:00 | 12:45 to 13:45 | Lay out subs & x/o's from rig floor. Remove motor from catwalk. |
| | 14:00 to 14:45 | R.I.H with 970m of 5" drill pipe open ended. |
| | 14:45 to 15:00 | Rig in lay down truck. |
| | 15:00 to 17:45 | Safety Meeting Lay down 34stds 5" drill pipe. |
| | 17:45 to 18:00 | Rig Service. Function blind rams 4sec. top & bottom pipe rams 6sec each. |
| | 18:00 to 18:45 | Pressure test casing/liner thru upper kill line against blind rams to 11mpa. |
| | 18:45 to 19:00 | Safety Meeting. |
| | 19:00 to 19:30 | Make up B.H.A with bit #30. |
| | 19:30 to 23:00 | RUN IN HOLE W/ 27/8 TUBING |
| | 23:00 to 23:30 | LAY DOWN FI EQUIPMENT |
| | 23:30 to 24:00 | PICK UP JARS & INSTALL 4" ROTATING BEARING |

SECOND TOUR

| | |
|-------------|----------|
| WT OF BOPC | |
| WT OF STING | 48000.00 |

| | |
|-------------|----------|
| WT OF BOPC | |
| WT OF STING | 48000.00 |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|----------------|-------|--------------------------|-------------------------------------|
| Driller | | Michel Nault | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| | |
|-------------|----------|
| WT OF BOPC | |
| WT OF STING | 48000.00 |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-----------------|-------|--------------------------|-------------------------------------|
| Driller | | Garry Dale | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | |
|--------------------------------|--|---|------------------------------------|---|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS (1) Daily Walk Around Inspection (2) Check and Report (Covered by Log checking) (3) Hole Sig. Probe (if required) (4) Well Losses & Stick Diagram Posited (5) Flare Line Status (6) BOP (only if applicable) (7) Visually Inspect BOP's Ramsblocks & Dogbones Lines (8) Flare Valve (only if applicable) (9) Rig Site Safety and Safety Meeting (Covered by company) (10) C.A.G. (C) Rig Safety Inspection Checklist (Covered by company) (11) Mast Inspection Before Raising or Lowering (12) Crown Survey Checked (13) Motor Oils Checked |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | CONTRACTOR Nabors Drilling Limited | DATE 20-Dec-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: | DATE 20-Dec-2003 | LAST CASING TUBING 339.7 |
| SURFACE LOCATION Saint Flavien | SIGNATURE OF OPERATORS REPRESENTATIVE Orin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | DATE 20-Dec-2003 | FUEL @ 8:00 244.5 |

| CODE NO. | QDR | INSTR. & TEST DATA | DRILL ACTUAL | FORMER CORING | CONDR | CONV. M.F. & CINC. | DIPS | R/S SERVICE | REGR. NO. | DRILL OFF LINE | DEV. SURVEY | WELL LINE LOGS | CASE & CEMENT | WAIT ON CEMENT | NEPCE OF B.O.P. | TEST | DRILL TEST | SLURRY | ADJUSTMENT | DR. METER | SAFETY | TOTAL | | |
|------------|-----|--------------------|--------------|---------------|-------|--------------------|------|-------------|-----------|----------------|-------------|----------------|---------------|----------------|-----------------|------|------------|--------|------------|-----------|--------|-------|-------|-------|
| TIME - HRS | | | | | | | | | | | | | | | | | | | | | | | | |
| DAY | | | | | | | 3.00 | 0.25 | | | | | | | | | | | | | | 6.50 | 8.25 | |
| EVE | | | | | | | | | | | | | | | | | | | | | | | 12.00 | 11.75 |
| TOTAL | | | | | | | 3.00 | 0.50 | | | | | | | | | | | | | | | 20.00 | |

| | | |
|-------------------------|--|-------------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | Well#2694C | DATE 20-Dec-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | RIG NO. 9ETD |
| RIG MANAGER Don Johnson | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 284.00 |

| NO. | DRILLING ASSEMBLY | DEPTH (m) | BIT NO. | SIZE | MUD TYPE | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | FIRST TOUR 0:00 to 12:00 | INJURIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|----------------------------|---------|---------|-------------|---------------|----------------|----------|---|--------------------------|----------|--------------------|--|----------------|--|---|--------|---|--------|---|-----|---|-----|-----------|--|-----------|--|--------------------|--|------------------|--|----------------------------|--|----------------------------|--|--------------------|--|--------------------|--|-----------------|--|-----------------|--|------|--|-------|--|
| 1 | Bit # 30 | 98 | 0.17 | 30 | WATER BASE | 14:00 | 18:00 | 22:00 | RIG SERV | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Sperry motor | 0 | 4.36 | 98 | WATER BASE | 14:00 | 18:00 | 22:00 | FILL PIPE AT 650M & RUN IN HOLE / 2 7/8 drill pipe & MOTOR TO 1750M | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.73 | Smith | W.L. (cm/3) | 26.00 | 26.00 | 26.00 | Safety Meeting | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.40 | M09BQPX | P.H. | 11.5 | 11.5 | 11.5 | Drill out cement inside of 4 1/2 liner fr/1750m to 1880m. | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.81 | JS7620E | P.V.T. | 27.6 | 41.6 | 41.6 | | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 3 1/2" x 3 1/2" sub | 0 | 1.22 | | | | | | | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Cougar Jars | 0 | 5.11 | JETS | | | | | | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 1/2" x 1 1/2" sub | 0 | 1.00 | | | | | | | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Weatherford float | 131 | 1.98 | 1750.00 | PRODUCT | AMOUNT x UNIT | Centrifuge #1 | | | 0:00 to 12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4 1/2" x 4 1/2" sub | 133 | 0.76 | 130.00 | BICAR SODA | 12sx | 8.00 | 1040 | 1035 | 1675 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 4"HWT | 102 | 111.65 | 8.25 | H2O | 6chemical | 8.00 | 1040 | 1035 | 1675 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">CLIPPING STRUCTURE</th> <th colspan="2">HOLE CONDITION</th> </tr> <tr> <td>1</td> <td>TO MDC</td> <td>1</td> <td>TO MDC</td> </tr> <tr> <td>1</td> <td>LOC</td> <td>1</td> <td>LOC</td> </tr> <tr> <td colspan="2">HOLE DRAG</td> <td colspan="2">HOLE DRAG</td> </tr> <tr> <td colspan="2">1up/1down rotating</td> <td colspan="2">3up/3down static</td> </tr> <tr> <td colspan="2">TORQUE AT BOTTOM 380f/lbs.</td> <td colspan="2">TORQUE AT BOTTOM 450f/lbs.</td> </tr> <tr> <td colspan="2">FILL ON BOTTOM (m)</td> <td colspan="2">FILL ON BOTTOM (m)</td> </tr> <tr> <td colspan="2">TOTAL HOURS RUN</td> <td colspan="2">TOTAL HOURS RUN</td> </tr> <tr> <td colspan="2">8.25</td> <td colspan="2">20.00</td> </tr> </table> | | | | | | | | | | | | CLIPPING STRUCTURE | | HOLE CONDITION | | 1 | TO MDC | 1 | TO MDC | 1 | LOC | 1 | LOC | HOLE DRAG | | HOLE DRAG | | 1up/1down rotating | | 3up/3down static | | TORQUE AT BOTTOM 380f/lbs. | | TORQUE AT BOTTOM 450f/lbs. | | FILL ON BOTTOM (m) | | FILL ON BOTTOM (m) | | TOTAL HOURS RUN | | TOTAL HOURS RUN | | 8.25 | | 20.00 | |
| CLIPPING STRUCTURE | | HOLE CONDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | TO MDC | 1 | TO MDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | LOC | 1 | LOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLE DRAG | | HOLE DRAG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1up/1down rotating | | 3up/3down static | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TORQUE AT BOTTOM 380f/lbs. | | TORQUE AT BOTTOM 450f/lbs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FILL ON BOTTOM (m) | | FILL ON BOTTOM (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL HOURS RUN | | TOTAL HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.25 | | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|----------------|-------|-----|-------------------------------------|
| Driller | | Michel Nault | 12.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 12.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 12.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 12.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 12.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | JG | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| NO. | DRILLING ASSEMBLY | DEPTH (m) | BIT NO. | SIZE | MUD TYPE | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | SECOND TOUR 12:00 to 24:00 | INJURIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|----------------------------|---------|---------|-------------|---------------|----------------|----------|--|----------------------------|----------|--------------------|--|----------------|--|---|--------|---|--------|---|-----|---|-----|-----------|--|-----------|--|------------------|--|------------------|--|----------------------------|--|----------------------------|--|--------------------|--|--------------------|--|-----------------|--|-----------------|--|-------|--|--------|--|
| 1 | Bit # 30 | 98 | 0.17 | 30 | WATER BASE | 14:00 | 18:00 | 22:00 | RIG SERV | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Sperry motor | 0 | 4.36 | 98 | WATER BASE | 14:00 | 18:00 | 22:00 | Drill cement from 4 1/2 liner underbalanced F/1880m - 1983m | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.73 | Smith | W.L. (cm/3) | 42 | 44 | 41 | Rig Service. | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.40 | M09BQPX | P.H. | 10.0 | 8.0 | 10.5 | Drill cement from 4 1/2 liner underbalanced F/ 1983m - 2086m | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Weatherford float | 0 | 0.81 | JS7620E | P.V.T. | 40.8 | | | | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 3 1/2" x 3 1/2" sub | 0 | 1.22 | | | | | | | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Cougar Jars | 0 | 5.11 | JETS | | | | | | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 1/2" x 1 1/2" sub | 0 | 1.00 | | | | | | | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Weatherford float | 131 | 1.98 | 1750.00 | PRODUCT | AMOUNT x UNIT | Centrifuge #1 | | | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4 1/2" x 4 1/2" sub | 133 | 0.76 | 336.00 | drillthin | 4sx | 1070 | 1040 | 1640 | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 4"HWT | 102 | 297.29 | 20.00 | deformer | 1pall | 1070 | 1040 | 1640 | 12:00 to 24:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">CLIPPING STRUCTURE</th> <th colspan="2">HOLE CONDITION</th> </tr> <tr> <td>1</td> <td>TO MDC</td> <td>1</td> <td>TO MDC</td> </tr> <tr> <td>1</td> <td>LOC</td> <td>1</td> <td>LOC</td> </tr> <tr> <td colspan="2">HOLE DRAG</td> <td colspan="2">HOLE DRAG</td> </tr> <tr> <td colspan="2">3up/3down static</td> <td colspan="2">3up/3down static</td> </tr> <tr> <td colspan="2">TORQUE AT BOTTOM 450f/lbs.</td> <td colspan="2">TORQUE AT BOTTOM 450f/lbs.</td> </tr> <tr> <td colspan="2">FILL ON BOTTOM (m)</td> <td colspan="2">FILL ON BOTTOM (m)</td> </tr> <tr> <td colspan="2">TOTAL HOURS RUN</td> <td colspan="2">TOTAL HOURS RUN</td> </tr> <tr> <td colspan="2">20.00</td> <td colspan="2">297.29</td> </tr> </table> | | | | | | | | | | | | CLIPPING STRUCTURE | | HOLE CONDITION | | 1 | TO MDC | 1 | TO MDC | 1 | LOC | 1 | LOC | HOLE DRAG | | HOLE DRAG | | 3up/3down static | | 3up/3down static | | TORQUE AT BOTTOM 450f/lbs. | | TORQUE AT BOTTOM 450f/lbs. | | FILL ON BOTTOM (m) | | FILL ON BOTTOM (m) | | TOTAL HOURS RUN | | TOTAL HOURS RUN | | 20.00 | | 297.29 | |
| CLIPPING STRUCTURE | | HOLE CONDITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | TO MDC | 1 | TO MDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | LOC | 1 | LOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLE DRAG | | HOLE DRAG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3up/3down static | | 3up/3down static | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TORQUE AT BOTTOM 450f/lbs. | | TORQUE AT BOTTOM 450f/lbs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FILL ON BOTTOM (m) | | FILL ON BOTTOM (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL HOURS RUN | | TOTAL HOURS RUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.00 | | 297.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-----------------|-------|-----|-------------------------------------|
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|---|--|---|--|---|--|-----------------------------|--|-----------|--|--------------|--|--------|--|-------|--|-------------|--|-------------------|--|--------|--|----------------|--|----------------|--|-----|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 21-Dec-2003 | | LAST CASING TUBING OR LINER | | D.D. (mm) | | WEIGHT (kgm) | | MASS | | GRADE | | NO. OF JOBS | | TOTAL NO. OF JOBS | | KBT/HR | | SET AT (m) | | | | | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well#2694C | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | FUEL @ 8:00 | | 244.5 | | 220.5 | | 69.90 | | CANTAK | | L80 | | 123 | | 1671.52 | | 7.48 | | 1679.00 | | | | | |
| OPERATOR Intragaz | | SURFACE LOCATION Saint Flavien | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | RIG 144 | | SOILER | | 177.8 | | 38.69 | | L80 | | 52 | | 711.34 | | 7.48 | | 1955.00 | | | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | TEMPERATURE | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | PZ8 | | Gardner Denver | | 203 | | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | WIND DIRECTION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | PZ8 | | Gardner Denver | | 203 | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | ROAD | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|------------------|--|------------------------------------|--|--------------|--|-------------------|--|-------------------------|--|-----------------|--|------|--|----------|--|--------------------|--|
| WELL NAME & No. SF-18 | | DATE 21-Dec-2003 | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | OPERATOR Intragaz | | RIG MANAGER Don Johnson | | PROVINCE Quebec | | CAMP | | RE-ENTRY | | KB TO GROUND ELEV. | |
| WELL NAME & No. SF-18 | | DATE 21-Dec-2003 | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | OPERATOR Intragaz | | RIG MANAGER Don Johnson | | PROVINCE Quebec | | CAMP | | RE-ENTRY | | KB TO GROUND ELEV. | |
| WELL NAME & No. SF-18 | | DATE 21-Dec-2003 | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | OPERATOR Intragaz | | RIG MANAGER Don Johnson | | PROVINCE Quebec | | CAMP | | RE-ENTRY | | KB TO GROUND ELEV. | |
| WELL NAME & No. SF-18 | | DATE 21-Dec-2003 | | CONTRACTOR Nabors Drilling Limited | | RIG NO. 9ETD | | OPERATOR Intragaz | | RIG MANAGER Don Johnson | | PROVINCE Quebec | | CAMP | | RE-ENTRY | | KB TO GROUND ELEV. | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-------------------|--|------------|--|------------|--|----------------|--|----------|--|---|--|--------------------------|--|------|--|---------------|--|------|--|-----|--|-----|--|----|--|
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-------------------|--|------------|--|------------|--|----------------|--|----------|--|---|--|----------------------------|--|------|--|---------------|--|------|--|-----|--|-----|--|----|--|
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |
| TIME - HRS | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---------------|--|-----|--|---|--|------------------|--|-----------------------------|--|-----------------|--|--------------------|--|------------|--|-----------------|--|-----------|--|------------------|--|---------------------|--|------------------|--|-------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 22-Dec-2003 | | LAST CASING TUBING OR LINER | | O.D. (mm) 339.7 | | I.N.D. (mm) 3315.3 | | LPM 101.20 | | M.B.E. Loadstar | | GRADE K55 | | NO. OF JOINTS 22 | | TOTAL METERS 301.52 | | KB TO ELEV. 7.48 | | SET AT (m) 309.00 | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | Well#2694C | | | | (1) Day Work Amount Inspection (2) Drilling Inspection (Weighting & Rig Check) (3) H.S. Rig Check (at request) (4) Well License & Slack Diagram Record (5) Flow Line Status (6) BOP Deck Performed (7) Visually Inspect BOP's Flappers & Degasser Lines (8) G.A.O.D. Rig Safety Inspection Checklist (on completion) (9) Most Inspection Before Raising of Lowering (10) Crown Saver Checked (11) Motor Oil Checked | | FUEL @ 8:00 | | 244.5 | | 220.5 | | 69.90 | | CANTAK | | L80 | | 123 | | 1671.52 | | 7.48 | | 1679.00 | | | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | | | (1) Rig Site Health and Safety Meeting (on completion) (2) G.A.O.D. Rig Safety Inspection Checklist (on completion) (3) Most Inspection Before Raising of Lowering (4) Crown Saver Checked (5) Motor Oil Checked | | TEMPERATURE | | 127.00 | | 29.00 | | E | | 85.00 | | 156.00 | | 41/2if | | PZ8 | | Gardner Denver | | 203 | | | |
| SURFACE LOCATION Saint Flavian | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | | | | (1) Rig Site Health and Safety Meeting (on completion) (2) G.A.O.D. Rig Safety Inspection Checklist (on completion) (3) Most Inspection Before Raising of Lowering (4) Crown Saver Checked (5) Motor Oil Checked | | WIND DIRECTION | | 171.00 | | 174.00 | | DC | | 74.00 | | 172.00 | | 5H90 | | 33 | | PZ8 | | Gardner Denver | | 203 | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | | | | | | | ROAD | | 228.00 | | 236.00 | | DC | | 74.00 | | 228.00 | | 7H90 | | 3 | | | | | | | |

| | | | | | |
|-------------------------|--|--|--|-------------------------|--|
| WELL TYPE | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | | KB TO GROUND ELEV. | |
| WELL NAME & No. SF-18 | | Well#2694C | | DATE 22-Dec-2003 | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | | |
| RIG MANAGER Don Johnson | | RIG NO. 9ETD | | | |
| PROVINCE Quebec | | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | RIG SAFETY DAYS: 286.00 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|---------------------|--|-------------------|--|------------|--|-----------------------|--|---|--|--------------|--|---|--|--------------------------|--|------|--|--|--|---------------|--|----------------|--|--------------|--|---|--|---|--|
| TIME - HRS | | OPER | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 to 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | INJURIES | | | | | |
| 1 | | Bit # 30 | | 98 | | 0.17 | | BIT NO. 30 | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | FROM 2353.00 | | TO 0:00 | | 8:45 | | 8:45 | | 6 | | POOH | | Driller | | Michel Nault | | 12.00 | | MN <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 1 | | Sparry motor | | 0 | | 4.36 | | SIZE 98 | | TIME 10:00 | | 8:45 | | 9:15 | | 0.50 | | 20 | | Break bit / lay out motor. | | Derrickman | | Chris Donohue | | 12.00 | | CD <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 1 | | Weatherford float | | 0 | | 0.73 | | ADC CODE | | DENSITY 1060 | | 9:15 | | 9:30 | | 0.25 | | 24 | | Rig in tongs, etc, for 4" pipe. | | Derrickman | | Steve St Onge | | 12.00 | | SS <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 1 | | Cougar Jars | | 0 | | 0.40 | | MFG. Smith | | FUNCTION 42 | | 9:30 | | 9:45 | | 0.25 | | 7 | | Rig Service. Function blind rams 4sec. | | Motorman | | Vaugh Prychak | | 12.00 | | VP <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 1 | | 1 1/2" x 3 1/2" sub | | 0 | | 1.22 | | SERIAL NO. JS7620E | | PH 9.0 | | 9:45 | | 10:00 | | 0.25 | | 21 | | Safety Meeting | | Floorman | | Gabriel Cote | | 12.00 | | GC <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 1 | | 4 1/2" x 1 1/2" sub | | 0 | | 1.00 | | DEPTH OUT (m) 2353.00 | | MUD MATERIAL ADDED | | 10:00 | | 10:30 | | 0.50 | | 22 | | Pick up, make up liner polisher. | | Floorman | | Junior Grimard | | 12.00 | | JG <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 2 | | Weatherford float | | 131 | | 1.98 | | DEPTH IN (m) 1750.00 | | PRODUCT Centrifuge #1 | | 10:30 | | 12:00 | | 1.50 | | 6 | | R.I.H with 4 1/2" liner polisher. | | Rig Manager 2 | | Dan Pelletier | | 12.00 | | DP <input type="checkbox"/> <input checked="" type="checkbox"/> | | | |
| 42 | | 4 1/2" x 4 1/2" sub | | 133 | | 0.76 | | TOTAL METERS 603.00 | | AMOUNT x UNIT | | | | | | | | | | | | | | | | | | | | | |
| 42 | | 4 1/2" x 4 1/2" sub | | 102 | | 390.30 | | TOTAL HOURS RUN 37.00 | | CENTRIFUGE #1 | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 4 1/2" x 4 1/2" sub | | 134 | | 0.99 | | CLIPPING STRUCTURE | | CENTRIFUGE #2 | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 4 1/2" x 4 1/2" sub | | 165 | | 0.91 | | HOLE CONDITION | | HOLE DRAG | | | | | | | | | | | | | | | | | | | | | |
| 1 | | Weatherford float | | 171 | | 1.06 | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | | | | | | | | | | | | | | | | | | | | |
| 67 | | D.P. STANDS | | 1941.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | D.P. SINGLES | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | 2353.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WT OF DC | | | | 54.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|---|--|----------------------------|--|------|--|--|--|------------|--|-----------------|--|----------|--|---|--|
| TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 to 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | INJURIES | | | |
| 12:00 | | 12:45 | | 0.75 | | 6 | | Con't R.I.H with 4 1/2" liner polisher. | | Driller | | Garry Dale | | 12.00 | | GD <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 12:45 | | 13:15 | | 0.50 | | 24 | | Rig in lay down truck to pick up 30 joints 4" XT39. | | Derrickman | | Marc Lyonnais | | 12.00 | | ML <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 13:15 | | 13:30 | | 0.25 | | 21 | | Safety Meeting. | | Derrickman | | Pat St onge | | 12.00 | | PS <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 13:30 | | 14:30 | | 1.00 | | 6 | | Pick up 30 joints 4" XT39. | | Motorman | | Pete St onge | | 12.00 | | PS <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 14:30 | | 14:45 | | 0.25 | | 24 | | Rig out lay down truck. | | Floorman | | Maxime Jacques | | 12.00 | | MJ <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 14:45 | | 15:00 | | 0.25 | | 23 | | Stab & land weatherford high pressure bearing. | | Floorman | | Robin Pelletier | | 12.00 | | RP <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 15:00 | | 16:15 | | 1.25 | | 6 | | Con't R.I.H with 4 1/2" liner polisher. | | | | | | | | | |
| 16:15 | | 16:45 | | 0.50 | | 5 | | Fill pipe & wash in F/ 1740m. | | | | | | | | | |
| 16:45 | | 17:15 | | 0.50 | | 22 | | Polish liner top 1750.30m. | | | | | | | | | |
| 17:15 | | 18:00 | | 0.75 | | 5 | | Circulate bottoms up. | | | | | | | | | |
| 18:00 | | 23:00 | | 5.00 | | 6 | | Pump pill, blow topdrive/standpipe & P.O.O.H with 4 1/2" liner polisher. | | | | | | | | | |
| 23:00 | | 24:00 | | 1.00 | | 6 | | Make up new B.H.A. & RIH W/ 2 7/8 D.P. & strap in | | | | | | | | | |

| | | | | | | | | | | | |
|----------|--|---|--|---|--|----------|--|------------------|--|----------|--|
| TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT | | DRIVER A | | CREW SAFETY DAYS | | DRIVER B | |
| 12:00 | | 57.00 | | Strapping pipe | | | | | | | |



Based on the CAODC ETS file standard

SPUD, LICENCE NO., OPERATOR, SURFACE LOCATION, SIGNATURE OF OPERATORS REPRESENTATIVE

JOB NO. 2694C, AFE, Well#2694C, CONTRACTOR Nabors Drilling Limited, SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson

Table with columns: O.D. (mm), MIN. ID. (mm), WPM, MAKE, GRADE, NO. OF JOINTS, TOTAL (m) LENGTH, KB TO GROUND HEAD (m), SET AT (m). Includes data for casing, tubing, liner, and weather conditions.

TIME-HRS table with columns for OPER, DAY, EVE, TOTAL and rows for various activities like DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METERS DRILLED, TIME LOG.

SHALE SHAKER(S) and RENTALS/SERVICES table with columns for NO., TYPE, SCREENS CHANGED, YES/NO, and RIG NO.

WELL TYPE, RE-ENTRY, WELL NAME & No. SF-18, DATE 23-Dec-2003, OPERATOR Intragaz, CONTRACTOR Nabors Drilling Limited, RIG MANAGER Don Johnson, RIG NO. 9ETD, PROVINCE Quebec, RIG SAFETY DAYS: 287.00

BIT RECORD table with columns: NO., BIT NO., SIZE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN.

MUD RECORD table with columns: MUD TYPE, PRODUCT, AMOUNT x UNIT, HOURS RUN, CENTRIFUGE #1, CENTRIFUGE #2.

METERS DRILLED and TIME LOG tables. METERS DRILLED shows FROM/TO, ROTARY, and TIME LOG shows FROM/TO, Trip Time, Code No., and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

CREW table with columns: CREW, SOC. INS. NO., NAME, HRS, YES/NO. Includes crew members like Michel Nault, Chris Donohue, Steve St Onge, etc.

BIT RECORD table (continued) with columns: NO., BIT NO., SIZE, MFG., TYPE, SERIAL NO., JETS, DEPTH OUT (m), DEPTH IN (m), TOTAL METERS DRILLED (m), TOTAL HOURS RUN.

MUD RECORD table (continued) with columns: MUD TYPE, PRODUCT, AMOUNT x UNIT, HOURS RUN, CENTRIFUGE #1, CENTRIFUGE #2.

METERS DRILLED and TIME LOG tables (continued). METERS DRILLED shows FROM/TO, ROTARY, and TIME LOG shows FROM/TO, Trip Time, Code No., and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

CREW table (continued) with columns: CREW, SOC. INS. NO., NAME, HRS, YES/NO. Includes crew members like Garry Dale, Marc Lyonnais, Pat St onge, etc.

FIRST TOUR

SECOND TOUR

NOTES: Check brakes, & linkage & crown saver, mn. Pipe strap + tools = 2341.70m / Pipe tally = 2341.58m.GD

NOTES: Check brakes & linkage, stabbing valve (open). Check B.O.P.'s, manifold & degasser. Function crown saver. Grease crown.GD



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | |
|---|-------------------------|---------------|-----|---|----------------------------------|-----------------|---------------------|-------------------|------------------|--------------------|-----------------|-------------------------|------------------------|-------------------|--------------|----------------|-------------------|-------------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | | | | | | | | | | | | | | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | | DATE 24-Dec-2003 | LAST CASING TUBING OR LINER 9ETD | O.D. (mm) 339.7 | MM ID (inch) 3315.3 | WELL ID 101.20 | GRADE Loadstar | GRADE K55 | NO OF JOINTS 22 | TOTAL (m) LENGTH 301.52 | W TO GEC HEAD (m) 7.48 | SET AT (m) 309.00 | | | | |
| OPERATOR Intragaz | | | | CONTRACTOR Nabors Drilling Limited | | | | FUEL @ 8:00 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | | |
| SURFACE LOCATION Saint Flavien | | | | UNIQUE ID: | | | | RIG 171 | 177.8 | 68.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | | WEATHER | | | | | | | | | | |
| | | | | | | | | TEMPERATURE | DCOP SIZE (inch) | LINEAR MASS (kg/m) | GRADE | MM ID (mm) | TOOL JT O.D. (inch) | THREAD TYPE | NO OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | W TO GEC HEAD (m) |
| | | | | | | | | CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2HF | PZ8 | Gardner Denver | 203 | |
| | | | | | | | | WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| | | | | | | | | ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | |
|-------------------------|--|-------------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | Well#2694C | DATE 24-Dec-2003 |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 288.00 |

| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG |
|------------|-------------------|------------|------------|----------------|----------|
| 0 | 10.00 | 0.25 | | 1.25 | 0.00 |
| 3.75 | 4.00 | | | 2.25 | 2.00 |
| 13.75 | 4.00 | 0.25 | | 2.25 | 2.00 |

| FROM | TO | TIME | REMARKS |
|-------|-------|------|---|
| 0:00 | 0:15 | 0.25 | 24 Drill cement f/ 2437m to 2440m |
| 0:15 | 0:45 | 0.50 | 25 Press test formation 8500 kpa at 2440m |
| 0:45 | 1:45 | 1.00 | 24 Drill cement FR/ 2440m TO/ 2452m |
| 1:45 | 11:00 | 9.25 | 5 Wash FR/ 2452m To 3041m TD. |
| 11:00 | 11:45 | 0.75 | 5 Circulate & Work Pipe, Pump 10m3 Fluid & Displace W/ N2 For 15 mins |
| 11:45 | 12:00 | 0.25 | 7 Rig Service |

| NO. | BIT | D.P. | STAMPS | STAMP | TIME |
|-----------|----------------|----------|---------|---------|------|
| 1 | Bit # 31 | 98 | 0.19 | | |
| 1 | Bit sub | 80 | 0.61 | | |
| 1 | Weathered Flat | 95 | 0.93 | | |
| 1 | Weathered Flat | 79 | 0.50 | | |
| 1 | Weathered Flat | 84 | 0.73 | | |
| 1 | Weathered Flat | 80 | 0.54 | | |
| 138 | 2 7/8 DP | 73 | 1309.74 | | |
| 1 | 3 1/2 DP | 0 | 1.22 | | |
| 1 | Jars | 121 | 5.11 | | |
| 1 | 4XT39 x 4FH | 127 | 0.76 | | |
| 3 | 4"WT(2880m) | 102 | 28.02 | | |
| 1 | Weathered Flat | 136 | 1.20 | | |
| 29 | 4"WT(2880m) | 102 | 269.40 | | |
| 49 | D.P. | STAMPS | 1428.14 | | |
| 0 | D.P. | SINGLE'S | 0.00 | | |
| KELLYDOWN | | | | 0.00 | |
| TOTAL | | | | 3041.00 | |

| FROM | TO | TIME | REMARKS |
|-------|-------|------|---|
| 0:00 | 0:15 | 0.25 | 24 Drill cement f/ 2437m to 2440m |
| 0:15 | 0:45 | 0.50 | 25 Press test formation 8500 kpa at 2440m |
| 0:45 | 1:45 | 1.00 | 24 Drill cement FR/ 2440m TO/ 2452m |
| 1:45 | 11:00 | 9.25 | 5 Wash FR/ 2452m To 3041m TD. |
| 11:00 | 11:45 | 0.75 | 5 Circulate & Work Pipe, Pump 10m3 Fluid & Displace W/ N2 For 15 mins |
| 11:45 | 12:00 | 0.25 | 7 Rig Service |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|----------------|-------|-----|-------------------------------------|
| Driller | | Michel Nault | 8.00 | MN | <input checked="" type="checkbox"/> |
| Derrickman | | Chris Donohue | 8.00 | CD | <input checked="" type="checkbox"/> |
| Derrickman | | Steve St Onge | 8.00 | SS | <input checked="" type="checkbox"/> |
| Motorman | | Vaugh Prychak | 8.00 | VP | <input checked="" type="checkbox"/> |
| Floorman | | Gabriel Cote | 8.00 | GC | <input checked="" type="checkbox"/> |
| Floorman | | Junior Grimard | 8.00 | JG | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| NO. | BIT | D.P. | STAMPS | STAMP | TIME |
|-----------|----------------|----------|---------|---------|------|
| 1 | Bit # 31 | 98 | 0.19 | | |
| 1 | Bit sub | 80 | 0.61 | | |
| 1 | Weathered Flat | 95 | 0.93 | | |
| 1 | Weathered Flat | 79 | 0.50 | | |
| 1 | Weathered Flat | 84 | 0.73 | | |
| 1 | Weathered Flat | 80 | 0.54 | | |
| 138 | 2 7/8 DP | 73 | 1309.74 | | |
| 1 | 3 1/2 DP | 0 | 1.22 | | |
| 1 | Jars | 121 | 5.11 | | |
| 1 | 4XT39 x 4FH | 127 | 0.76 | | |
| 3 | 4"WT(2880m) | 102 | 28.02 | | |
| 1 | Weathered Flat | 136 | 1.20 | | |
| 29 | 4"WT(2880m) | 102 | 269.40 | | |
| 49 | D.P. | STAMPS | 1428.14 | | |
| 0 | D.P. | SINGLE'S | 0.00 | | |
| KELLYDOWN | | | | 0.00 | |
| TOTAL | | | | 3050.07 | |

| FROM | TO | TIME | REMARKS |
|-------|-------|------|--|
| 12:00 | 12:30 | 0.50 | 6 Trip Up To 2800m |
| 12:30 | 13:30 | 1.00 | 5 Blow Well, 40m3/min N2 & 50 lpm H2O |
| 13:30 | 14:30 | 1.00 | 5 Shut Off Fluid & blow Well W/ N2 @ 40 m3/min |
| 14:30 | 15:30 | 1.00 | 22 Shut Off N2 & Let Well Flow |
| 15:30 | 17:15 | 1.75 | 5 Pump @ 40m3/min N2 & 50 lpm Fluid |
| 17:15 | 18:30 | 1.25 | 22 Flow Well |
| 18:30 | 21:45 | 3.25 | 6 Trip Out To Top Of 2 7/8 DP. Bleed floats @ 2780m, 2343m & 1350m. |
| 21:45 | 23:45 | 2.00 | 23 Pull bearing using annular to strip thru. Lay out jars, change rubbers on bearing to 2". Reinstall bearing. |
| 23:45 | 24:00 | 0.25 | 6 Con't pull out of hole. |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Darryl Clowe | 12.00 | DC | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |
| Driller | | Garry Dale | 4.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 4.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St Onge | 4.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 4.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 4.00 | MJ | <input checked="" type="checkbox"/> |

| | | | | |
|-------------------|--------------|------------------|------------------|----------------|
| DRILLER SIGNATURE | Michel Nault | DRIVER A | CREW SAFETY DAYS | DRIVER B |
| HRS. RUN | 12.00 | 8.0 | 65.00 | First Day Back |
| OPERATOR FUEL | | MAX EXP. HOOLoad | | SAFETY TOPIC |
| | | | | M.A.C.P. |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|--|--|--|---|--|---|--|---------------------------|--|-----------------------|--|----------------------------------|--|-----------------------------|--|--|--|------------------------------|--|
| SPUD | | RIG RELEASE | | JOB NO. 2694C | | AFE | | DAILY CHECKS | | DATE 25-Dec-2003 | | LAST CASING TUBING OR FUEL @ 8:00 | | O.D. (mm) | | WELL NO. | | GRADE | | NO. OF JOINTS | | TOTAL (m) | | KB TO CSG HEAD (m) | | SET AT (m) | |
| LICENCE NO. | | WELL NAME AND NO. SF-18 | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | (1) Daily Walk Around Inspection (2) Prestart Inspection/Weekly Group Observation (3) H2S Signs (Presence of Ignition) (4) Well Location & Block Diagram Posted (5) Flare Line Started (6) BOP Gels Performed (7) Visually Inspect BOP's Flarlines & Degasser Lines (8) CAODC Rig Safety Inspection Checklist (see/verify) (9) Mast Inspection Before Raising or Lowering (10) Crown Saver Checked (11) See Well Chart | | 339.7 244.5 177.8 | | 3315.3 220.5 38.69 | | 101.20 69.90 38.69 | | Loadstar CANTAK L80 | | K55 L80 L80 | | 22 123 52 | | 301.52 1671.52 711.34 | | 7.48 7.48 7.48 | | 309.00 1679.00 1955.00 | |
| OPERATOR Intragaz | | CONTRACTOR Nabors Drilling Limited | | UNIQUE ID: | | TEMPERATURE | | CURRENT CONDITION | | WIND DIRECTION | | ROAD | | SHALE SHAKE(S) | | RENTALS/SERVICES | | WELL NAME & No. SF-18 | | DATE 25-Dec-2003 | | RE-ENTRY | | KB TO GROUND ELEV. | | | |
| SURFACE LOCATION Saint Flavian | | SIGNATURE OF OPERATORS REPRESENTATIVE Orin Bliss | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | 127.00 171.00 228.00 | | 29.00 174.00 236.00 | | E DC DC | | 85.00 74.00 74.00 | | 156.00 172.00 228.00 | | 41/2if 5H90 7H90 | | PZ8 PZ8 3 | | Gardner Denver Gardner Denver | | 203 203 | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | 25-Dec-2003 | |
| TIME - HRS | | DRILLING ASSEMBLY | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | FIRST TOUR 0:00 TO 12:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | | |
| BIT NO. SIZE IADC CODE MFG. TYPE SERIAL NO. JETS DEPTH OUT (m) DEPTH IN (m) TOTAL METERS (DRILL LOG) TOTAL HOURS RUN | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED PRODUCT AMOUNT x UNIT caustic 1sx sodium sulfate 1sx alcomer 1pail | | SOLIDS CONTROL Centrifuge #1 cent#2 | | FROM TO FROM TO FROM TO 0:00 0:30 0:30 1:00 1:00 5:15 | | 6 23 23 21 22 6 6 6 7 | | 0:30 1:00 5:15 5:15 5:30 5:30 6:00 6:00 7:45 7:45 8:30 8:30 11:45 12:00 | | Con't pull to 1030m. Allow casing pressure to build. Function DDV closed. Bleed pressure to 3000kpa. Pressure climbing, bleed to 0. Pressure climbing, bleed to 0, shut in well & pump 1m3 down drill string to flush. Chase with N2, drill string pressuring up. Pump 1m3 down kill line, chase with N2, DDV opening @ 4170kpa. Function DDV open/closed 3 times. Bleed pressure to 0. 2m3 fluid returned to surface. Gas flow of 1.9cfm/day. Shut in well, pump 2m3 fluid thru kill line & chase with N2 Function DDV open/close. Bleed pressure to 0. Safety Meeting. Rig in lay down truck. Lay down 40 joints 2 7/8 drill pipe. Run In 9 STDS 2 7/8 DP Lay Down 2 7/8 DP Rig Service | | Driller Garry Dale 12.00 GD Derrickman Marc Lyonnais 12.00 ML Derrickman Pat St onge 12.00 PS Motorman Pete St onge 12.00 PS Floorman Maxime Jacques 12.00 MJ Floorman Robin Pelletier 4.00 RP Rig Manager 2 Dan Pelletier 12.00 DP | | | | | | | | | | | | | |
| HOLE CONDITION | | HOLE DRAG | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | DRILLER SIGNATURE Garry Dale HOURS 12.00 BOLLER @ 8:00 OPERATOR FUEL 30.00 MAX EXP HOOKLOAD SAFETY TOPIC Changing bearing M.A.C.P. | | RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT DRIVER A CREW SAFETY DAYS DRIVER B | | | | | | | | | | | | | | | | | |
| BIT RECORD | | MUD RECORD | | METERS DRILLED | | TIME LOG | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | SECOND TOUR 12:00 TO 24:00 | | CREW | | SOC. INS. NO. | | NAME | | HRS | | YES | | NO | | | | | |
| BIT NO. SIZE IADC CODE MFG. TYPE SERIAL NO. JETS DEPTH OUT (m) DEPTH IN (m) TOTAL METERS (DRILL LOG) TOTAL HOURS RUN | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED PRODUCT AMOUNT x UNIT Centrifuge #1 cent#2 | | FROM TO FROM TO FROM TO 12:00 12:45 12:45 13:00 13:00 13:30 13:30 13:45 13:45 16:30 16:30 16:45 16:45 18:45 18:45 19:30 19:30 19:30 19:45 19:45 21:00 21:00 22:00 22:00 23:45 23:45 24:00 | | 6 24 24 8 6 22 6 6 21 6 6 6 7 | | 12:45 13:00 13:30 13:45 16:30 16:45 18:45 19:30 19:30 19:45 21:00 22:00 23:45 24:00 | | Finish Laying Down 2 7/8 DP, Break Bit, & XO subs Lay Down 2 7/8 Running Gear Rig Up To Run 4" DP Shut Off Power & Remove #2 Generator Breaker From SCR Pick Up Single, Make Up Floats, & Install Rotating Head Bearing & Run 4" DP To 990m 34 STDS Rig Up Laydown Truck Lay Down 60 JTS 4" DP Run In 15 Stds 4" DP Safety Meeting with new crew on tour. Lay out 60 joints 4" DP. Run in 13stds 4" hwdp & 8stds 5" DP. Lay out 24 joints 5" DP & 39 joints hwdp. Rig Service. | | Driller Gordon Cyr 12.00 GC Derrickman Donald Bergeron 12.00 DB Derrickman Darryl Clowe 12.00 DC Motorman Rejean Larochelle 12.00 RL Floorman Jonathan Beaudet 12.00 JB Floorman Sebastien Cote 12.00 SC | | | | | | | | | | | | | | | |
| HOLE CONDITION | | HOLE DRAG | | TORQUE AT BOTTOM | | FILL ON BOTTOM (m) | | DRILLER SIGNATURE Gordon Cyr HOURS 12.00 BOLLER @ 8:00 OPERATOR FUEL Laydown Truck MAX EXP HOOKLOAD SAFETY TOPIC M.A.C.P. | | RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT DRIVER A CREW SAFETY DAYS DRIVER B | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

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|-------------------|--|--|--|--------------------------------|--|--|--|---|--|--|--|------------------------------------|--|--|--|--|--|--|--|------------------|--|--|--|----------------------------|--|--|--|-----------------------|--|--|--|---------------------------|--|--|--|------------------|--|--|--|--------------------------|--|--|--|----------------------------------|--|--|--|-----------------------------|--|--|--|----------------------------|--|--|--|-------------------|--|--|--|-------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SPUD | | | | RIG RELEASE | | | | JOB NO. 2694C | | | | AFE | | | | DAILY CHECKS (1) Daily Walk Around Inspection (2) Disabled Inspection (Monthly Every Check) (3) WELLS SURVEY (If required) (4) Well License & Stick Diagram Posted (5) Pressure Tested (6) BOP Data Reviewed (7) Visually Inspect BOP's Ramlines & Engagers Lines (8) C.A.O.D.C. Rig Safety Inspection Checklist (on/signed) (9) Mast Inspection Before Raising or Lowering (10) Crown Block Checked (11) Mast Kids Checked | | | | DATE 26-Dec-2003 | | | | LAST CASING TUBING OF 9ETD | | | | O.D. (mm) 339.7 | | | | W.L. (mm) 3315.3 | | | | W.G. (mm) 101.20 | | | | GRADE K55 | | | | NO. OF JOINTS 22 | | | | TOTAL WELLS (LENGTH) 301.52 | | | | KB TO GROUND HEAD (m) 7.48 | | | | SET AT (m) 309.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LICENCE NO. | | | | WELL NAME AND NO. SF-18 | | | | Well#2694C | | | | CONTRACTOR Nabors Drilling Limited | | | | RIG NO. 132 | | | | BOILER | | | | LINEAR MASS (kg/m) 177.8 | | | | M.M. ID (mm) 156.00 | | | | TOOL JET O.D. (mm) 41/2if | | | | THREAD TYPE PZ8 | | | | PUMP TYPE Gardner Denver | | | | PUMP MANUFACTURER Gardner Denver | | | | STROKE (STL (mm)) 203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPERATOR Intragaz | | | | SURFACE LOCATION Saint Flavian | | | | SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | UNIQUE ID: | | | | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | | TEMPERATURE | | | | CURRENT CONDITION 127.00 | | | | WIND DIRECTION 171.00 | | | | ROAD 228.00 | | | | SHALE SHAKER(S) | | | | RENTALS/SERVICES | | | | WELL NAME & No. SF-18 | | | | DATE 26-Dec-2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME - HRS | | | | 1.00 | | | | 0.25 | | | | 7.25 | | | | 12.00 | | | | 19.25 | | | | 0.50 | | | | 0.50 | | | | 2.50 | | | | 12.00 | | | | 12.00 | | | | 17.00 | | | | 17.00 | | | | 24.00 | | | | 24.00 | | | | 24.00 | | | | 24.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIT RECORD | | | | | | | | | | | | | | | | MUD RECORD | | | | | | | | | | | | | | | | METERS DRILLED | | | | | | | | | | | | | | | | TIME LOG | | | | | | | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | CREW | | | | | | | | | | | | | | | | SOC. INS. NO. | | | | | | | | | | | | | | | | NAME | | | | | | | | | | | | | | | | HRS | | | | | | | | | | | | | | | | YES | | | | | | | | | | | | | | | | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIT NO. 02:00 | | | | | | | | | | | | | | | | MUD TYPE WATER BASED OIL BASED | | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | | 0:00 1:00 | | | | | | | | | | | | | | | | 1:00 2:00 | | | | | | | | | | | | | | | | 2:00 3:00 | | | | | | | | | | | | | | | | 3:00 4:00 | | | | | | | | | | | | | | | | 4:00 5:00 | | | | | | | | | | | | | | | | 5:00 6:00 | | | | | | | | | | | | | | | | 6:00 7:00 | | | | | | | | | | | | | | | | 7:00 8:00 | | | | | | | | | | | | | | | | 8:00 9:00 | | | | | | | | | | | | | | | | 9:00 10:00 | | | | | | | | | | | | | | | | 10:00 11:00 | | | | | | | | | | | | | | | | 11:00 12:00 | | | | | | | | | | | | | | | | 12:00 13:00 | | | | | | | | | | | | | | | | 13:00 14:00 | | | | | | | | | | | | | | | | 14:00 15:00 | | | | | | | | | | | | | | | | 15:00 16:00 | | | | | | | | | | | | | | | | 16:00 17:00 | | | | | | | | | | | | | | | | 17:00 18:00 | | | | | | | | | | | | | | | | 18:00 19:00 | | | | | | | | | | | | | | | | 19:00 20:00 | | | | | | | | | | | | | | | | 20:00 21:00 | | | | | | | | | | | | | | | | 21:00 22:00 | | | | | | | | | | | | | | | | 22:00 23:00 | | | | | | | | | | | | | | | | 23:00 24:00 | | | | | | | | | | | | | | | |

FIRST TOUR

SECOND TOUR

| | | |
|-------------------------|--|-------------------------|
| WELL TYPE | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE 26-Dec-2003 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 290.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|--|--|------------|--|--|--|------------|--|--|--|--------------------|--|--|--|------------------|--|--|--|------------|--|--|--|---------------|--|--|--|-----------|--|--|--|---------------|--|--|--|-------------------|--|--|--|--------------|--|--|--|----------|--|--|--|------|--|--|--|
| CIRCULATION PRESSURE (KPa) | | | | PUMP NO. 1 | | | | PUMP NO. 2 | | | | REDUCED PUMP SPEED | | | | DEVIATION SURVEY | | | | DEPTH (m) | | | | DEVIATION (m) | | | | DIRECTION | | | | OPERATOR FUEL | | | | MAX EXP. HOODLOAD | | | | SAFETY TOPIC | | | | M.A.C.P. | | | | | | | |
| 127 | | | | 127 | | | | | | | | | | | | 7:15 9:00 | | | | 11:45 2:75 | | | | 12 | | | | 12 | | | | 12 | | | | 12 | | | | 12 | | | | 12 | | | | 12 | | | |
| 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | | 0.25 | | | |

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|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BIT RECORD | | | | | | | | | | | | | | | | MUD RECORD | | | | | | | | | | | | | | | | METERS DRILLED | | | | | | | | | | | | | | | | TIME LOG | | | | | | | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | | | CREW | | | | | | | | | | | | | | | | SOC. INS. NO. | | | | | | | | | | | | | | | | NAME | | | | | | | | | | | | | | | | HRS | | | | | | | | | | | | | | | | YES | | | | | | | | | | | | | | | | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BIT NO. 12:00 | | | | | | | | | | | | | | | | MUD TYPE WATER BASED OIL BASED | | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | | 12:00 14:30 | | | | | | | | | | | | | | | | 14:30 24:00 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | |

NOTES
Check Brakes & Linkage, Stabbing Valve, Bop & Manifold Valves

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|--|--|------------|--|--|--|---------------|--|--|--|-------------------|--|--|--|--------------|--|--|--|----------|--|--|--|----------|--|--|--|------------------|--|--|--|----------|--|--|--|
| DRILLER SIGNATURE | | | | Garry Dale | | | | OPERATOR FUEL | | | | MAX EXP. HOODLOAD | | | | SAFETY TOPIC | | | | M.A.C.P. | | | | DRIVER A | | | | CREW SAFETY DAYS | | | | DRIVER B | | | |
| | | | | | | | | Pinch points | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | | | | | | | | |
|------------------|-----------------------------|-----------------|------------------|------------------|---------------|-----------|-----------------|-----------------------|--------------------------|-------------------|
| DATE 27-Dec-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | I.D. (mm) 331.53 | WT (kg/m) 101.20 | MAKE Loadstar | GRADE K55 | NO OF JOINTS 22 | TOTAL WGT (kg) 301.52 | WT TO GSG HEAD (kg) 7.48 | SET AT (m) 309.00 |
| FUEL @ 8:00 | | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| 112 BOKLER | | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |

| | | | | | | | | | | |
|-------------|----------------|--------------------|-------|-------------|-------------------|-------------|--------------|----------------|-------------------|-------------------|
| TEMPERATURE | DROP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN ID (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (ST. INCH) |
| 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2IF | P28 | | Gardner Denver | | 203 |
| 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | P28 | Gardner Denver | | 203 |
| 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|--------------|-------|---------|--------|------------|-------|-------------|-------------|----------|------------|-------------|----------------|-------------------|------------------|----------------|------------|----------------|-----------|---------|---------|-----------|--------|-----|
| COIL NO. | NO UP & DOWN | DRILL | REAMING | CORING | COND. DATA | TRIPS | NO SERVICES | REPAIR JOBS | PLUG OFF | DRILL LINE | DEV. SWABBY | WIRE LINE LOGS | REP. CAGA ELEMENT | WAT. CH. ELEMENT | WIPER UP & OFF | TEST REC'D | DRILL OFF TEST | PLUG MAKE | SOURTEZ | FISHING | DIL. WORK | SAFETY | WTS |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---------|------|-------|----------|-------------|-----------|
| BIT NO. | SIZE | TIME | MUD TYPE | WATER BASED | OIL BASED |
| | | 02:00 | | | 06:00 |
| | | | | | 10:00 |

| | | | |
|---------------|--------------|---------|---------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT |
| | | | Centrifuge #1 |

| | | | |
|---------------|--------------|---------|---------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT |
| | | | cent#2 |

| | | | | |
|-------|-------|------|------|--|
| FROM | TO | TIME | CODE | REMARKS |
| 0:00 | 0:30 | 0.50 | 12 | Run tubing to 1748m. |
| 0:30 | 1:00 | 0.50 | 12 | Shut in well & let pressure stabilize. |
| 1:00 | 1:45 | 0.75 | 12 | Stab seal assembly into 4 1/2 liner, land & pull back out of 4 1/2 liner. |
| 1:45 | 4:30 | 2.75 | 12 | Bleed casing pressure to 5000kpa. Lay out 3 joints tubing & pump .5m3 fluid into tubing. |
| 4:30 | 5:30 | 1.00 | 12 | Pump N2 into well to last known casing pressure. 10000kpa. |
| 5:30 | 5:45 | 0.25 | 12 | Shut in well. |
| 5:45 | 6:30 | 0.75 | 12 | Pick up 1 joint, run in & feel seals enter 4 1/2 liner. Approx. 2 sets worked in. |
| 6:30 | 6:45 | 0.25 | 12 | Bleed casing pressure to 10300kpa. |
| 6:45 | 9:00 | 2.25 | 12 | Shut in well, Pull SealNipple Back Out, Perge Well To 12000KPA, Work Seals In & Pump, & Tag No Go On Seal Nipple |
| 9:00 | 10:30 | 1.50 | 12 | Pull Jts For Spaceout, |
| 10:30 | 11:15 | 0.75 | 12 | Pull Williams Head, Make Up Dognut, & Strip Dognut Into BOP,s |
| 11:15 | 12:00 | 0.75 | 12 | Land Dognut & Bleed Down Annular |

| | | |
|-------------------------|------------------------------------|-------------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| SF-18 | | |
| DATE | 27-Dec-2003 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | CAMP | RIG SAFETY DAYS. 291.00 |

| | | | | | |
|---------------|---------------|-----------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | PS | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | MJ | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input checked="" type="checkbox"/> |

| | | | | | |
|---------|------|------|----------|-------------|-----------|
| BIT NO. | SIZE | TIME | MUD TYPE | WATER BASED | OIL BASED |
| | | | | | |

| | | | |
|---------------|--------------|---------|---------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT |
| | | | Centrifuge #1 |

| | | | |
|---------------|--------------|---------|---------------|
| DEPTH OUT (m) | DEPTH IN (m) | PRODUCT | AMOUNT x UNIT |
| | | | cent#2 |

| | | | | |
|-------|-------|------|------|--|
| FROM | TO | TIME | CODE | REMARKS |
| 12:00 | 13:15 | 1.25 | 12 | Pressure Up On Annulus Side W/ N2 |
| 13:15 | 13:30 | 0.25 | 12 | Land Dog Nut & Lockdown |
| 13:30 | 14:15 | 0.75 | 12 | Bleed Off Pressure On Annulus Side |
| 14:15 | 14:30 | 0.25 | 22 | Rig Out Power Tongs & Laydown Truck |
| 14:30 | 15:00 | 0.50 | 12 | Pull Plug, Pump .5m3 Down Tubing Thru Killline & Insert Plug |
| 15:00 | 19:30 | 4.50 | 14 | Lay Down Mouseholes, Pick Up BOP Sling, & Tear Out Weatherford Valves & Rotating Head From BOP Stack |
| 19:30 | 24:00 | 4.50 | 14 | Bleed accumulator back & blow lines. Nipple down B.O.P.'s. |

| | | | | | |
|------------|---------------|-------------------|-------|-----|-------------------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 12.00 | GC | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input checked="" type="checkbox"/> |
| Derrickman | | Darryl Clowe | 12.00 | DC | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | RL | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | SC | <input checked="" type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | | | |
|---|---|---------------|-----|--|--------------------------|--------------------------|-------------------|---------------------|--------------------|-------------|-------------|-------------------|-------------|--------------|-----------|-------------------|-----------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS | OPK | R.M. | DATE 28-Dec-2003 | LAST CASING TURNING | G.D. (mm) | M.B.S. (mm) | W.P.M. | MARK | GRADE | NO OF JOINTS | TOTAL (m) | KB TO BSG | SET AT (m) |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | | (1) Daily Wellhead Inspection | <input type="checkbox"/> | <input type="checkbox"/> | RIG NO. 9ETD | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | | (2) Detailed Inspection Weekly (using checklists) | <input type="checkbox"/> | <input type="checkbox"/> | FUEL @ 8:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 | |
| SURFACE LOCATION Saint Flavien | UNIQUE ID: | | | (3) HSE Signage Posted (if required) | <input type="checkbox"/> | <input type="checkbox"/> | RIG 96 BOILER | 177.8 | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | (4) Well License & Stick Diagram Posted | <input type="checkbox"/> | <input type="checkbox"/> | TEMPERATURE | DCOP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN ID (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO OF JOINTS | PUMP TYPE | PUMP MANUFACTURER | STROKE LTH (mm) |
| | | | | (5) Flow Line Blocked | <input type="checkbox"/> | <input type="checkbox"/> | CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2if | | PZ8 | Gardner Denver | 203 |
| | | | | (6) BOP Data Performed | <input type="checkbox"/> | <input type="checkbox"/> | WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| | | | | (7) Visually Inspect BOP's Flange/Seals & Degasser Lines | <input type="checkbox"/> | <input type="checkbox"/> | ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |
| | | | | (8) Rig Site Health and Safety Meeting (once/week) | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | |
| | | | | (9) C.A.O.D.C. Rig Safety Inspection Checklist (once/week) | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | |
| | | | | (10) Mast Inspection Before Raising or Lowering | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | |
| | | | | (11) Crown Saver Checked | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | |
| | | | | (12) Kill Checked | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | |

| | | |
|-------------------------|---|--------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| SF-18 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | 28-Dec-2003 |
| WELL NAME & No. SF-18 | Well#2694C | DATE |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | RIG SAFETY DAYS: 292.00 | |

| NO. | DATE | TIME | DEPTH (m) | METERS DRILLED | | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | FIRST TOUR 0:00 TO 12:00 | INJURIES |
|-----|------|------|-----------|----------------|----|----------|---|--------------------------|----------|
| | | | | FROM | TO | | | | |
| | | 0:00 | 0:45 | 0.75 | 14 | | Finish tearing down B.O.P's. | | |
| | | 0:45 | 3:00 | 2.25 | 22 | | Install Barber DSA & 76mm/35.0mpa well head. Remove & turn top valves 90 degrees. | | |
| | | 3:00 | 3:30 | 0.50 | 22 | | Pressure test well head on to 35.0mpa for 30minutes/test OK. | | |
| | | 3:30 | 12:00 | 8.50 | 1 | | Rig released tearing out. Finish washing out B.O.P's. Remove kelly hose. Slip line onto drum. Remove lower kelly cock. Install live roll for torque tube & moving pins for topdrive. Remove bails. Get Topdrive Ready To Laydown Rig Out Choke Lines , Degasser Flowline, | | |

| NO. | DATE | TIME | DEPTH (m) | METERS DRILLED | | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | SECOND TOUR 12:00 TO 24:00 | INJURIES |
|-----|------|-------|-----------|----------------|----|----------|---|----------------------------|----------|
| | | | | FROM | TO | | | | |
| | | 12:00 | 24:00 | 12.00 | 1 | | Lay Down Topdrive, Rig Up Bridle Lines, Remove Steam Heaters & Kill Lines From Sub Rig Out Ramp Side Prefabs, Remove Tarps, Lay Down Standpipe Dogleg, Remove Tarps & Skeleton Frame From Sub To Pumphouse. Shortloop Steam & Water. Blow Out Lines To Floor & Mudtanks, Remove Hoses. Blow Antifreeze Thru Brake Drum & Brake Water Pump. Pull Lines For Chimo (PVT, Stroke Counter, Choke, etc.) Remove Hoses & Accumulator Lines From Pumphouse To Sub. Put Sub Tarps In Storage Room & Floor Tarps In Doghouse. | | |

| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
|-------------------------|---|--------------------|
| SF-18 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | 28-Dec-2003 |
| WELL NAME & No. SF-18 | Well#2694C | DATE |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | |
| PROVINCE Quebec | RIG SAFETY DAYS: 292.00 | |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------------|---------------|-----------------|-------|--------------------------|-------------------------------------|
| Driller | | Garry Dale | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|------------|---------------|-------------------|-------|--------------------------|-------------------------------------|
| Driller | | Gordon Cyr | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Motorman | | Rejean Larochelle | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

FIRST TOUR

SECOND TOUR

NOTES
Rig released at 03:30hrs 12/28/2003 Thankyou for everybody's cooperation and assistance. Review JSA for preping top drive to lay out.GD

NOTES
Held Safety Meeting Prior To Laying Down Topdrive

| | | | | | |
|-------------------|---------------|---------------|------------------|--------------|----------|
| DRILLER SIGNATURE | ROTOR #1 & #2 | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| Garry Dale | | | | Rigging out | |

| | | | | | |
|-------------------|---------------|---------------|------------------|----------------------|----------|
| DRILLER SIGNATURE | ROTOR #1 & #2 | OPERATOR FUEL | MAX EXP HOOKLOAD | SAFETY TOPIC | M.A.C.P. |
| Gordon Cyr | | | | Laying Down Topdrive | |



Based on the CAODC ETS file standard

| | | | |
|---|---|---------------|-----|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | Well#2694C | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| SURFACE LOCATION Saint Flavian | UNIQUE ID: | | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | |

| | | | |
|--|--------------------------|--------------------------|--------------------------|
| DAILY CHECKS | OPR | R | M |
| (1) Daily Visual Inspection | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (2) Detailed Inspection Weekly (being checked) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (3) HSE Signage Posted (if required) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (4) Well Log and Risk Diagram Posted | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (5) Flare Line Staked | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (6) HSP Units Performance | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (7) Visually inspect SOP's Parameters & Degasser Lines | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (8) C.A.O.D.C. Rig Safety Inspection (being completed) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (9) Mast Inspection/Master Reading or Logging | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (10) Control Panel Checkings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (11) Mast Line Checkings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | | | |
|------------------|-----------------------------|-----------------|-------------------|-------------------|---------------|-----------|------------------|-------------------|-----------------|-------------------|
| DATE 28-Dec-2003 | LAST CASING TUBING OR LINER | O.D. (mm) 339.7 | WELLS (mm) 3315.3 | WELLS (mm) 101.20 | MAKE Loadstar | GRADE K55 | NO. OF JOISTS 22 | WELLS (mm) 301.52 | WELLS (mm) 7.48 | SET AT (m) 309.00 |
| FUEL @ 8:00 | | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| WELLS (mm) 96 | WELLS (mm) 96 | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |

| | | | | | | | | | | |
|-------------------|----------------|--------------------|-------|--------------|-------------------|-------------|---------------|-----------|-------------------|------------------|
| TEMPERATURE | DCIP SIZE (mm) | LINEAR MASS (kg/m) | GRADE | MIN. ID (mm) | TOOL JT O.D. (mm) | THREAD TYPE | NO. OF JOISTS | PUMP TYPE | PUMP MANUFACTURER | STROKE (L/100mm) |
| CURRENT CONDITION | 127.00 | 29.00 | E | 85.00 | 156.00 | 41/2F | | PZ8 | Gardner Denver | 203 |
| WIND DIRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | PZ8 | Gardner Denver | 203 |
| ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | | |

| | | | |
|-------------------------|------------------------------------|---|-------------------------|
| WELL TYPE | RE-ENTRY | <input type="checkbox"/> YES <input type="checkbox"/> NO | KB TO GROUND ELEV. |
| WELL NAME & No. SF-18 | DATE | 28-Dec-2003 | |
| OPERATOR Intragaz | CONTRACTOR Nabors Drilling Limited | | |
| RIG MANAGER Don Johnson | RIG NO. 9ETD | | |
| PROVINCE Quebec | CAMP | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | RIG SAFETY DAYS: 292.00 |

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----------|--------|---------|----------|-------------|-----------|------|------|----|---------------|---------------|---------------|------|----|---------------|----------|
| NO. | BIT | O.D. (mm) | LENGTH | BIT NO. | MUD TYPE | WATER BASED | OIL BASED | TIME | FROM | TO | NO. OF JOISTS | ROTARY R.P.M. | W.P. (kg/cm²) | FROM | TO | W.P. (kg/cm²) | Code No. |
| | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---------------|--------------------|----------------|---------------|-----------|---------------|-----------|
| DEPTH OUT (m) | MUD MATERIAL ADDED | SOLIDS CONTROL | CENTRIFUGE #1 | DEPTH (m) | DEVIATION (μ) | DIRECTION |
| | | | | | | |

| | | | | | | |
|---------------|--------------------|----------------|---------------|-----------|---------------|-----------|
| DEPTH OUT (m) | MUD MATERIAL ADDED | SOLIDS CONTROL | CENTRIFUGE #1 | DEPTH (m) | DEVIATION (μ) | DIRECTION |
| | | | | | | |

| | | | | | | |
|---------------|--------------------|----------------|---------------|-----------|---------------|-----------|
| DEPTH OUT (m) | MUD MATERIAL ADDED | SOLIDS CONTROL | CENTRIFUGE #1 | DEPTH (m) | DEVIATION (μ) | DIRECTION |
| | | | | | | |

88.9mm, 13.84kg/m L80 tubing string landed at 1749.35mkb w/Import Tie-back seal assembly to 114.3mm liner and Halliburton 'PLT retrievable packer at 1449.69mkb, landed dognut w/6000dan of compression.

NOTES
Rig released at 03:30hrs 12/28/2003 Thankyou for everybody's cooperation and assistance. Review JSA for preping top drive to lay out.GD

NOTES
Held Safety Meeting Prior To Laying Down Topdrive

| | | | | | |
|---------------|---------------|-----------------|-------|-----|--------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Garry Dale | 12.00 | GD | <input type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 12.00 | ML | <input type="checkbox"/> |
| Derrickman | | Pat St onge | 12.00 | PS | <input type="checkbox"/> |
| Motorman | | Pete St onge | 12.00 | PS | <input type="checkbox"/> |
| Floorman | | Maxime Jacques | 12.00 | MJ | <input type="checkbox"/> |
| Floorman | | Robin Pelletier | 12.00 | RP | <input type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 12.00 | DP | <input type="checkbox"/> |

| | | | | | |
|------------|---------------|------------------|-------|-----|--------------------------|
| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
| Driller | | Gordon Cyr | 12.00 | GC | <input type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | DB | <input type="checkbox"/> |
| Motorman | | Rejean Larochele | 12.00 | RL | <input type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | JB | <input type="checkbox"/> |
| Floorman | | Sebastien Cole | 12.00 | SC | <input type="checkbox"/> |

FIRST TOUR

SECOND TOUR

Garry Dale

Gordon Cyr



Based on the CAODC ETS file standard

| | | | | | |
|----------------------|-----------------------------------|--|--|---|--|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE | DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection (Weekly Safety checks) (3) HSE Spot Check of new well (4) Well Losses & Stack Diagrams Posted (5) Flare Line Stated (6) HSE Units Permitted (7) Visually Inspect BOP's Flarelines & Degasser Lines (8) Rig Site Health and Safety Meeting (contaminating) (9) G.A.D. Rig Safety Inspection Checklist (contaminating) (10) Main Reaction Before Raising of Lowering (11) Crown Roper Checked (12) Make VSB Checked | |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: | DATE 29-Dec-2003 | LAST CASING TUBING OR LINER 339.7 3315.3 101.20 Loadstar K55 22 301.52 7.48 309.00 244.5 220.5 69.90 CANTAK L80 123 1671.52 7.48 1679.00 177.8 38.69 38.69 L80 52 711.34 7.48 1955.00 |
| OPERATOR Intragaz | SURFACE LOCATION Saint Flavian | SIGNATURE OF OPERATORS REPRESENTATIVE Ornin Bliss | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | WEATHER TEMPERATURE 127.00 CURRENT CONDITION 29.00 E WIND DIRECTION 171.00 ROAD 228.00 | GRADE K55 L80 L80 |

| TIME - HRS | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------------|-------------------|------------|------------|----------------|----------|---|
| DAY 12:00 | | | | | | |
| EVE 8:00 | | | | | | |
| TOTAL 20:00 | | | | | | |

| | | |
|-------------|-------------------------|--------------------|
| WELL TYPE | RE-ENTRY | KB TO GROUND ELEV. |
| DATE | 29-Dec-2003 | |
| OPERATOR | CONTRACTOR | |
| Intragaz | Nabors Drilling Limited | |
| RIG MANAGER | RIG NO. | |
| Don Johnson | 9ETD | |
| PROVINCE | CAMP | RIG SAFETY DAYS |
| Quebec | Quebec | 293.00 |

| BIT NO. | SIZE | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS | TOTAL HOURS RUN | CUTTING STRUCTURE | HOLE CONDITION | HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m) |
|---------|------|-----------|------|------|------------|------|---------------|--------------|--------------|-----------------|-------------------|----------------|-----------|------------------|--------------------|
| | | | | | | | | | | | | | | | |

| FROM | TO | TIME | Code | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------|-------|-------|------|---|
| 0:00 | 12:00 | 12:00 | 1 | Finish Accumulator Lines From Pumphouse To Sub. Boom Suction Lines Onto Mudtanks. Wrap Cords From Floor To Doghouse, Tag Same. Put Misc. Equipment Away. Blow Down Manifold & Thaw Out Frozen Line. Remove Walks From Over Suction Lines & Sump Side Of Tanks. Raise Walk Way In Front Of Shakers. Bolt Shakers Down. Remove Dresser Sleeves From Between Tanks. Remove Ladders From Sub. Pull Pumps Apart & Drain. Wrap Cord For Polymer Injection Tank, Manifold, Premix Tank & Mud Tanks. Lower Sub, Get Derrick Ready To Lay Over & Lay Derrick Over, Spool Drilling Line |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|---------------|---------------|-----------------|-------|-------------------------------------|
| Driller | | Garry Dale | 12.00 | <input checked="" type="checkbox"/> |
| Derrickman | | Marc Lyonnais | 8.00 | <input checked="" type="checkbox"/> |
| Derrickman | | Pat St onge | 8.00 | <input checked="" type="checkbox"/> |
| Motorman | | Pete St onge | 8.00 | <input checked="" type="checkbox"/> |
| Floorman | | Maxime Jacques | 8.00 | <input checked="" type="checkbox"/> |
| Floorman | | Robin Pelletier | 8.00 | <input checked="" type="checkbox"/> |
| Rig Manager 2 | | Dan Pelletier | 16.00 | <input checked="" type="checkbox"/> |

| BIT NO. | SIZE | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METERS | TOTAL HOURS RUN | CUTTING STRUCTURE | HOLE CONDITION | HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m) |
|---------|------|-----------|------|------|------------|------|---------------|--------------|--------------|-----------------|-------------------|----------------|-----------|------------------|--------------------|
| | | | | | | | | | | | | | | | |

| FROM | TO | TIME | Code | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|-------|------|--|
| 12:00 | 20:00 | 20:00 | 1 | Coil Up Derrick Lines, Pull Power Cords From Floor Start pulling cord from motor house. Drain and wash out boiler. Finish pulling pumps apart. |

| CREW | SOC. INS. NO. | NAME | HRS | INJURIES |
|------------|---------------|------------------|-------|--------------------------|
| Driller | | Gordon Cyr | 12.00 | <input type="checkbox"/> |
| Derrickman | | Donald Bergeron | 12.00 | <input type="checkbox"/> |
| Motorman | | Rejean Laroche | 12.00 | <input type="checkbox"/> |
| Floorman | | Jonathan Beaudet | 12.00 | <input type="checkbox"/> |
| Floorman | | Sebastien Cote | 12.00 | <input type="checkbox"/> |



Based on the CAODC ETS file standard

| | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|--|---|--|---|--|--|--|---|--|
| RIG RELEASE LICENCE NO. _____ WELL NAME AND NO. SF-18 | | JOB NO. 2694C AFE _____ | | DAILY CHECKS (1) Daily Wellhead Inspection (2) Detailed Functionality/Weekly Safety Checklist (3) HOS Signs Posted (if required) (4) Well License & Risk Diagram Posted (5) Flare Line Scaled (6) BOP Deck Ports Inspected (7) Visually Inspect BOP, Flare & Dragger Lines (8) Rig Stop Inspect and Safety Meeting (if applicable) (9) CAODC Rig Safety Inspection Checklist (post-approval) (10) Next Inspection Date: Reading or Learning (11) Other: Cover Checked (12) Minor: _____ | | DATE 31-Dec-2003 LAST CASING TURNING FOR LINER 339.7 3315.3 101.20 FUEL @ 8:00 244.5 220.5 69.90 ROW 75 BOWLER 177.8 38.60 | | WELL TO CASING HEADS UP 301.52 7.48 SET AT 240 1671.52 7.48 1679.00 | | GRADE K55 22 NO. OF JOINTS 123 TOTAL W. LENGTH 1671.52 NO. OF JOINTS 52 TOTAL W. LENGTH 711.34 NO. OF JOINTS 33 TOTAL W. LENGTH 1955.00 | | MAKE Loadstar GRADE L80 NO. OF JOINTS 22 TOTAL W. LENGTH 301.52 NO. OF JOINTS 52 TOTAL W. LENGTH 711.34 NO. OF JOINTS 33 TOTAL W. LENGTH 1671.52 | | RE-ENTRY <input type="checkbox"/> YES <input type="checkbox"/> NO KB TO GROUND ELEV. _____ | |
| OPERATOR Intragaz SURFACE LOCATION Saint Flavien SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | | CONTRACTOR Nabors Drilling Limited UNIQUE ID: _____ SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | | | | TEMPERATURE (ROCK FACE) 127.00 (29.00) (E) 85.00 (198.00) (412F) WIND DIRECTION 171.00 (174.00) (DC) 74.00 (172.00) (SH90) ROAD 228.00 (236.00) (DC) 74.00 (228.00) (7H90) | | RENTALS/SERVICES GARDNER DENVER 203 GARDNER DENVER 203 | | WELL NAME & No. SF-18 DATE 31-Dec-2003 OPERATOR Intragaz CONTRACTOR Nabors Drilling Limited RIG NO. 9ETD RIG MANAGER Don Johnson PROVINCE Quebec CAMP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO RIG SAFETY DAYS: 295.00 | | | |
| TIME - HRS OPER: _____ DAY: _____ EVE: _____ NIGHT: _____ | | SHALE SHAKER(S) NO. 2 TYPE: _____ PARALLEL CHANGERS: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO TOP: 175 MIDDLE: 175 BOTTOM: 175 | | METERS DRILLED FROM: _____ TO: _____ FROM: _____ TO: _____ FROM: _____ TO: _____ | | TIME LOG FROM: 0:00 TO: 12:00 TO: 12:00 EMP. TIME: 22 CODE: Rig watch | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS RIG WATCH | | FIRST TOUR 0:00 TO 12:00 CREW SOG. INS. NO. NAME HRS YES NO Driller Michel Nault 12.00 MN <input checked="" type="checkbox"/> <input type="checkbox"/> Floorman Junior Grimard 12.00 JG <input checked="" type="checkbox"/> <input type="checkbox"/> | | | | | |
| BIT RECORD BIT NO. _____ SIZE _____ IADC CODE _____ MFG. _____ TYPE _____ SERIAL NO. _____ JETS _____ DEPTH OUT (m) _____ DEPTH IN (m) _____ TOTAL METERS DRILLED (m) _____ TOTAL HOURS-RUN _____ HOLE CONDITION _____ HOLE DRAG _____ TORQUE AT BOTTOM _____ FILL ON BOTTOM (m) _____ | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED TIME: _____ DENSITY: _____ FUNNEL: _____ W.L. GAUGE: _____ MUD MATERIAL ADDED: _____ SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE DRAG: _____ TORQUE AT BOTTOM: _____ FILL ON BOTTOM (m): _____ | | METERS DRILLED FROM: _____ TO: _____ FROM: _____ TO: _____ FROM: _____ TO: _____ | | TIME LOG FROM: _____ TO: _____ TO: _____ EMP. TIME: _____ CODE: _____ | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS _____ _____ _____ | | SECOND TOUR 12:00 TO 24:00 CREW SOG. INS. NO. NAME HRS YES NO Driller Michel Nault _____ <input type="checkbox"/> <input type="checkbox"/> | | | | | |
| BIT RECORD BIT NO. _____ SIZE _____ IADC CODE _____ MFG. _____ TYPE _____ SERIAL NO. _____ JETS _____ DEPTH OUT (m) _____ DEPTH IN (m) _____ TOTAL METERS DRILLED (m) _____ TOTAL HOURS-RUN _____ HOLE CONDITION _____ HOLE DRAG _____ TORQUE AT BOTTOM _____ FILL ON BOTTOM (m) _____ | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED TIME: _____ DENSITY: _____ FUNNEL: _____ W.L. GAUGE: _____ MUD MATERIAL ADDED: _____ SOLIDS CONTROL: Centrifuge #1, Cent#2 HOLE DRAG: _____ TORQUE AT BOTTOM: _____ FILL ON BOTTOM (m): _____ | | METERS DRILLED FROM: _____ TO: _____ FROM: _____ TO: _____ FROM: _____ TO: _____ | | TIME LOG FROM: _____ TO: _____ TO: _____ EMP. TIME: _____ CODE: _____ | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS _____ _____ _____ | | DRILLER SIGNATURE Michel Nault OPERATOR FUEL _____ MAX EXP HOOKLOAD _____ SAFETY TOPIC _____ M.A.C.P. _____ RATE SCHEDULE <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> REPAIR <input type="checkbox"/> INVERT DRIVER A _____ CREW SAFETY DAYS _____ DRIVER B _____ | | | | | |



Based on the CAODC ETS file standard

| | | | |
|---|--------------------------------|---|------------|
| SPUD | RIG RELEASE | JOB NO. 2694C | AFE |
| LICENCE NO. | WELL NAME AND NO. SF-18 | CONTRACTOR Nabors Drilling Limited | UNIQUE ID: |
| OPERATOR Intragaz | SURFACE LOCATION Saint Flavian | SIGNATURE OF CONTRACTORS REPRESENTATIVE Don Johnson | |
| SIGNATURE OF OPERATORS REPRESENTATIVE Orrin Bliss | | | |

| | | | | | | | | | | | | | |
|---|-----|------|------------------|-----------------------------|---------|---------------|------------|----------|--------|---------------|----------------|----------|----------------|
| DAILY CHECKS | OPR | R.M. | DATE 01-Jan-2004 | LAST CASING TUBING OR LINER | OD (mm) | WEIGHT (kg/m) | LENGTH (m) | GRADE | SHADE | NO. OF JOINTS | TOTAL LBS (kg) | HEAD (m) | SET AT (m) |
| (1) Daily Walk Around Inspection | | | RIG NO. 9ETD | FUEL @ 8:00 | 339.7 | 3315.3 | 101.20 | Loadstar | K55 | 22 | 301.52 | 7.48 | 309.00 |
| (2) Detailed Inspection-Weekly (using checklist) | | | | FUEL @ 12:00 | 244.5 | 220.5 | 69.90 | CANTAK | L80 | 123 | 1671.52 | 7.48 | 1679.00 |
| (3) H2S Signs Present (if required) | | | | FUEL @ 17:00 | 177.8 | | 38.69 | | L80 | 52 | 711.34 | 7.48 | 1955.00 |
| (4) Well Location & Check Casing Position | | | | TEMPERATURE | | | | | | | | | |
| (5) Flow Line Test | | | | DROP SIZE (mm) | 127.00 | 29.00 | E | 85.00 | 156.00 | 412if | | | 203 |
| (6) BOP Daily Performance | | | | CURRENT CORRECTION | 171.00 | 174.00 | DC | 74.00 | 172.00 | 5H90 | 33 | P28 | Gardner Denver |
| (7) Visually Inspect BOP's Flarlines & Casing Lines | | | | WIND DIRECTION | | | | | | | | | Gardner Denver |
| (8) G.A. O.G. Rig Safety Inspection (checklist) | | | | ROAD | 228.00 | 236.00 | DC | 74.00 | 228.00 | 7H90 | 3 | | |
| (9) Cover Sheet Checked | | | | | | | | | | | | | |
| (10) Make-Up Checks | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| TIME HRS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | TOTAL |
| DRILLING ASSEMBLY | | | | | | | | | | | | | | | | | | | | | | | | | | | 12.00 |
| SHALE SHAKER(S) | | | | | | | | | | | | | | | | | | | | | | | | | | | 12.00 |
| RENTALS/SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | 12.00 |

WELL TYPE RE-ENTRY YES NO KB TO GROUND ELEV.

WELL NAME & No. SF-18 DATE 01-Jan-2004

OPERATOR Intragaz CONTRACTOR Nabors Drilling Limited

RIG MANAGER Don Johnson RIG NO. 9ETD

PROVINCE Quebec CAMP YES NO RIG SAFETY DAYS: 296.00

| BIT RECORD | | | | | | | | | | | | | | | MUD RECORD | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BIT NO. 1 | | | | | | | | | | | | | | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | | | | | | | | | | | | | |
| SIZE | | | | | | | | | | | | | | | TIMES | | | | | | | | | | | | | | |
| IADC CODE | | | | | | | | | | | | | | | DENSITY (kg/m ³) | | | | | | | | | | | | | | |
| MFG. | | | | | | | | | | | | | | | FUNNEL VIS. (c.c.) | | | | | | | | | | | | | | |
| TYPE | | | | | | | | | | | | | | | W.L. (cm3) | | | | | | | | | | | | | | |
| SERIAL NO. | | | | | | | | | | | | | | | pH | | | | | | | | | | | | | | |
| JETS | | | | | | | | | | | | | | | MUD MATERIAL ADDED | | | | | | | | | | | | | | |
| DEPTH OUT (m) | | | | | | | | | | | | | | | PRODUCT AMOUNT x UNIT | | | | | | | | | | | | | | |
| DEPTH IN (m) | | | | | | | | | | | | | | | Centrifuge #1 | | | | | | | | | | | | | | |
| TOTAL METERS DRILLED | | | | | | | | | | | | | | | Centrifuge #2 | | | | | | | | | | | | | | |
| TOTAL HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| CUTTING STRUCTURE | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOLE CONDITION | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOLE DRAG | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| TORQUE AT BOTTOM | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| FILL ON BOTTOM (m) | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |

| METERS DRILLED | | | | | | | | | | | | | | | TIME LOG | | | | | | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FROM TO | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | Rig watch | | | | | | | | | | | | | | |
| CIRCULATION PRESSURE (KPa) | | | | | | | | | | | | | | | PUMP NO. 1 | | | | | | | | | | | | | | | PUMP NO. 2 | | | | | | | | | | | | | | |
| REDUCED PUMP SPEED | | | | | | | | | | | | | | | REDUCED PUMP SPEED | | | | | | | | | | | | | | | REDUCED PUMP SPEED | | | | | | | | | | | | | | |
| DEPTH (m) | | | | | | | | | | | | | | | DEPTH (m) | | | | | | | | | | | | | | | DEPTH (m) | | | | | | | | | | | | | | |
| DEVIATION SURVEY | | | | | | | | | | | | | | | DEVIATION SURVEY | | | | | | | | | | | | | | | DEVIATION SURVEY | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |

FIRST TOUR 0:00 TO 12:00

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|----------|---------------|----------------|-------|-------------------------------------|--------------------------|
| Driller | | Michel Naut | 12.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Floorman | | Junior Grimard | 12.00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

DRIVER A DRIVER B

| BIT RECORD | | | | | | | | | | | | | | | MUD RECORD | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BIT NO. 2 | | | | | | | | | | | | | | | MUD TYPE <input checked="" type="checkbox"/> WATER BASED <input type="checkbox"/> OIL BASED | | | | | | | | | | | | | | |
| SIZE | | | | | | | | | | | | | | | TIMES | | | | | | | | | | | | | | |
| IADC CODE | | | | | | | | | | | | | | | DENSITY (kg/m ³) | | | | | | | | | | | | | | |
| MFG. | | | | | | | | | | | | | | | FUNNEL VIS. (c.c.) | | | | | | | | | | | | | | |
| TYPE | | | | | | | | | | | | | | | W.L. (cm3) | | | | | | | | | | | | | | |
| SERIAL NO. | | | | | | | | | | | | | | | pH | | | | | | | | | | | | | | |
| JETS | | | | | | | | | | | | | | | MUD MATERIAL ADDED | | | | | | | | | | | | | | |
| DEPTH OUT (m) | | | | | | | | | | | | | | | PRODUCT AMOUNT x UNIT | | | | | | | | | | | | | | |
| DEPTH IN (m) | | | | | | | | | | | | | | | Centrifuge #1 | | | | | | | | | | | | | | |
| TOTAL METERS DRILLED | | | | | | | | | | | | | | | Centrifuge #2 | | | | | | | | | | | | | | |
| TOTAL HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| CUTTING STRUCTURE | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOLE CONDITION | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOLE DRAG | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| TORQUE AT BOTTOM | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| FILL ON BOTTOM (m) | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |

| METERS DRILLED | | | | | | | | | | | | | | | TIME LOG | | | | | | | | | | | | | | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FROM TO | | | | | | | | | | | | | | | FROM TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIRCULATION PRESSURE (KPa) | | | | | | | | | | | | | | | PUMP NO. 1 | | | | | | | | | | | | | | | PUMP NO. 2 | | | | | | | | | | | | | | |
| REDUCED PUMP SPEED | | | | | | | | | | | | | | | REDUCED PUMP SPEED | | | | | | | | | | | | | | | REDUCED PUMP SPEED | | | | | | | | | | | | | | |
| DEPTH (m) | | | | | | | | | | | | | | | DEPTH (m) | | | | | | | | | | | | | | | DEPTH (m) | | | | | | | | | | | | | | |
| DEVIATION SURVEY | | | | | | | | | | | | | | | DEVIATION SURVEY | | | | | | | | | | | | | | | DEVIATION SURVEY | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |
| HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | | HOURS RUN | | | | | | | | | | | | | | |

SECOND TOUR 12:00 TO 24:00

| CREW | SOC. INS. NO. | NAME | HRS | YES | NO |
|---------|---------------|-------------|-----|--------------------------|--------------------------|
| Driller | | Michel Naut | | <input type="checkbox"/> | <input type="checkbox"/> |

DRIVER A DRIVER B



Based on the CAODC ETS file standard

| | | | | | | | |
|---|--|---|--|---|--|---|--|
| SPUD RIG RELEASE: WELL NAME AND NO. SF-18 ACIS NO. 2694C AFE: | | DAILY CHECKS (1) Daily Risk Assessment (2) Drilling Inspection (visually using checklist) (3) HSE Inspection of HSE (4) Well Location & Area Diagrams Present (5) Plans and Scales (6) BOP Data Present (7) Visually Inspect BOP's Function & Diagrams (8) Rig Site Health and Safety Meeting (on/underway) (9) CAODC Rig Safety Inspection Checklist (on/underway) (10) Mast Inspection/Software Warning on/underway (11) Crane/Overhead | | OPR: <input type="checkbox"/> R.M.: <input type="checkbox"/> | | DATE: 02-Jan-2004 I. J. ART: CASING TUBING OR LINER RIG NO. 9ETD FUEL @ 0:00: 339.7 244.5 177.8 3315.3 220.5 38.69 101.20 69.90 38.69 Loadstar CANTAK L80 K55 L80 L23 52 22 301.52 1671.52 711.34 7.48 7.48 7.48 309.00 1679.00 1955.00 | |
| OPERATOR: Intragaz SURFACE LOCATION: Saint Flavien SIGNATURE OF OPERATORS REPRESENTATIVE: Orrin Bliss | | CONTRACTOR: Nabors Drilling Limited UNIQUE ID: SIGNATURE OF CONTRACTORS REPRESENTATIVE: Don Johnson | | TEMPERATURE: -14 DRIFT: 127.00 WIND DIRECTION: N-EAST WIND SPEED: 171.00 ROAD: good 228.00 236.00 74.00 228.00 7190 3 | | SHALE SHAKER(S): RENTALS/SERVICES: | |
| TIME - HRS OPER: 12.00 DAY: 12.00 EVE: 12.00 TOTAL: 12.00 | | WELLS TYPE: SF-18 RE-ENTRY: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO KB TO GROUND ELEV.: DATE: 02-Jan-2004 OPERATOR: Intragaz CONTRACTOR: Nabors Drilling Limited RIG MANAGER: Don Johnson RIG NO.: 9ETD PROVINCE: Quebec CAMP: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO RIG SAFETY DAYS: 297.00 | | FIRST TOUR: 0:00 TO 12:00 INJURED: YES NO CREW: Driller Michel Nault 12.00 MN <input checked="" type="checkbox"/> Floorman Junior Girmand 12.00 JG <input checked="" type="checkbox"/> | | | |
| BIT RECORD BIT NO.: SIZE: IADC CODE: MFC: TYPE: SERIAL NO.: JETS: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: CUTTING STRUCTURE: | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASE <input type="checkbox"/> OIL BASED TIME: DENSITY (kg/m ³): VISCOSITY (cP): W.L. (cm): pH: MUD MATERIAL ADDED: SOLIDS CONTROL: Cent#1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED FROM TO: 0:00 TO 12:00 TO 12:00 TO 22:00 RIG WATCH | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS NOTES: Rig watch | |
| BIT RECORD BIT NO.: SIZE: IADC CODE: MFC: TYPE: SERIAL NO.: JETS: DEPTH OUT (m): DEPTH IN (m): TOTAL METERS DRILLED (m): TOTAL HOURS RUN: CUTTING STRUCTURE: | | MUD RECORD MUD TYPE: <input checked="" type="checkbox"/> WATER BASE <input type="checkbox"/> OIL BASED TIME: DENSITY (kg/m ³): VISCOSITY (cP): W.L. (cm): pH: MUD MATERIAL ADDED: SOLIDS CONTROL: Cent#1, Cent#2 HOLE CONDITION: HOLE DRAG: TORQUE AT BOTTOM: FILL ON BOTTOM (m): | | METERS DRILLED FROM TO: 12:00 TO 24:00 TO 24:00 TO 24:00 RIG WATCH | | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS NOTES: | |

2003 OA 240-02

**"TOWER SHEETS" DU Puits INTRAGAZ, SAINT-
FLAVIEN NO 18**

Intervenant : Intragaz

Remarques :

Rapport de fin forage - Basses-Terres séd. consolid.

Rapport de fin forage (O)

2000 à 2024