

NEWFIELD



January 23, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 1-17-9-16, 2-17-9-16, 7-17-9-16, 8-17-9-16,
9-17-9-16, 10-17-9-16, 11-17-9-16, 12-17-9-16, 13-17-9-16, and 15-17-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

JAN 24 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No. UTU-64379
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 2-17-9-16
9. API Well No. 43-013-3-3029
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NW/NE Sec. 17, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NE 669' FNL 1785' FEL 573414X 40.036312 At proposed prod. zone 4431932Y -110.139523		
14. Distance in miles and direction from nearest town or post office* Approximatley 15.2 miles southwest of Myton, Utah		17. Spacing Unit dedicated to this well 40 Acres
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 855' f/lse, NA' f/unit	16. No. of Acres in lease 1626.36	20. BLM/BIA Bond No. on file UTB000192
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1134'	19. Proposed Depth 6060'	23. Estimated duration Approximately seven (7) days from spud to rig release.
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5886' GL	22. Approximate date work will start* 1st Quarter 2006	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/23/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-26-06
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

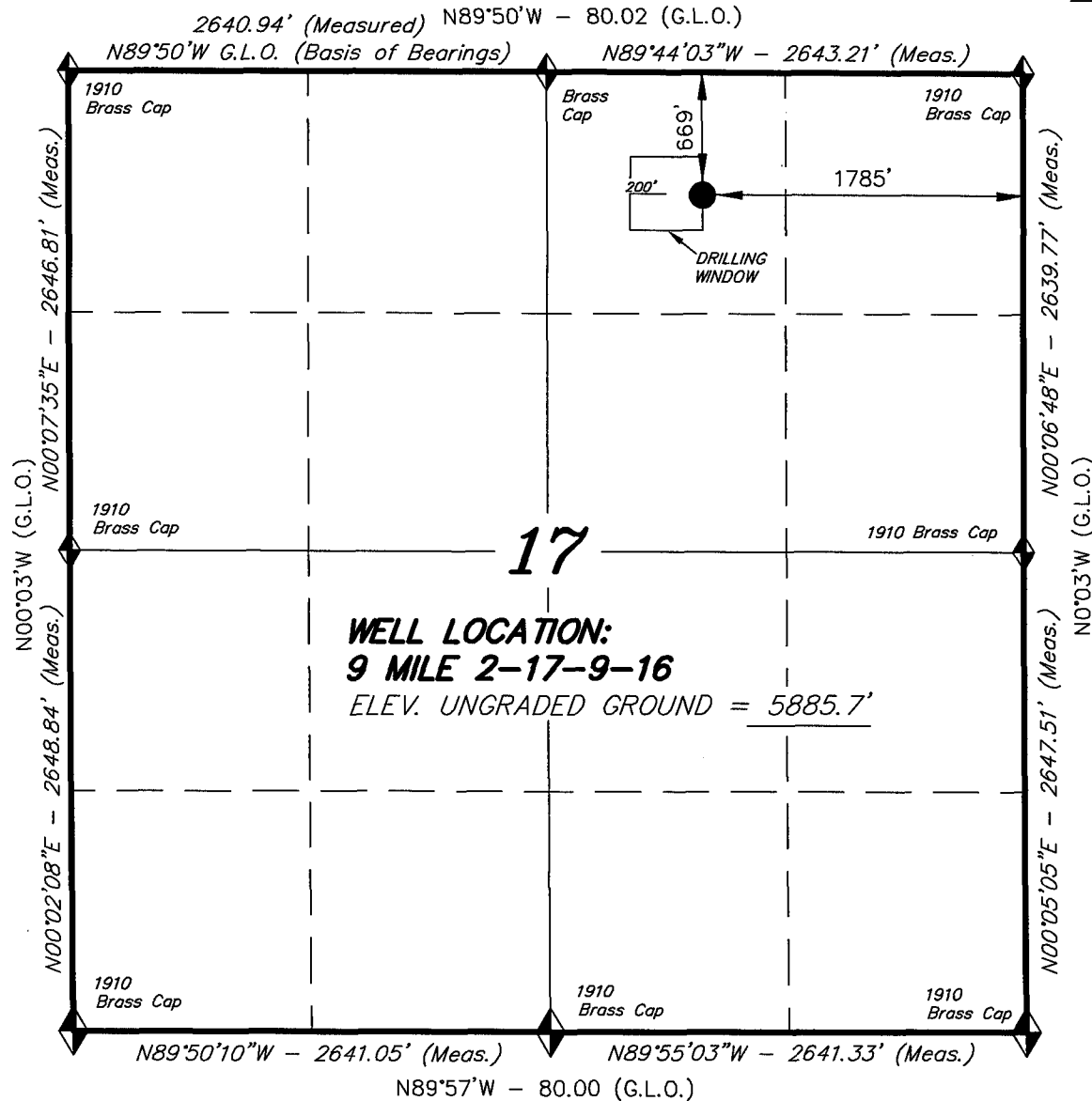
**Federal Approval of this
Action Is Necessary**

**RECEIVED
JAN 24 2006**

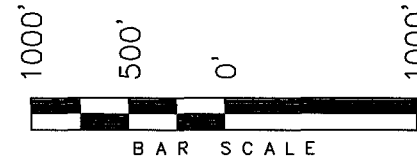
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

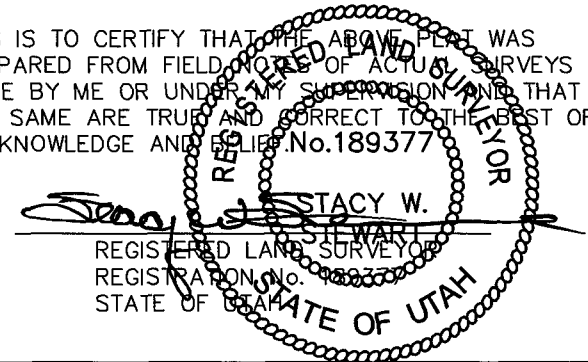
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 2-17-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 NE
 1/4 OF SECTION 17, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
 U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 2-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 10.84"
 LONGITUDE = 110° 08' 24.43"

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 12-12-05	SURVEYED BY: K.S.
DATE DRAWN: 12-29-05	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #2-17-9-16
NW/NE SECTION 17, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 2620'
Green River	2620'
Wasatch	6060'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2620' - 6060' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
FEDERAL #2-17-9-16
NW/NE SECTION 17, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #2-17-9-16 located in the NW 1/4 NE 1/4 Section 17, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 1.5 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 0.3 miles \pm to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 0.9 miles \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Arch Report #1030-01, 4/23/98. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #2-17-9-16 Newfield Production Company requests a 2460' ROW be granted in Lease UTU-52018 and 2170' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 2460' ROW in Lease UTU-52018 and 2170' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Sage Grouse: If new construction or surface disturbing activities are scheduled to occur between March 1 and June 30, detailed surveys of the area within 0.5 mile of the proposed location must be conducted to detect the presence of sage grouse. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	12 lbs/acre
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Details of the On-Site Inspection

The proposed Federal #2-17-9-16 was on-sited on 10/25/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open..

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

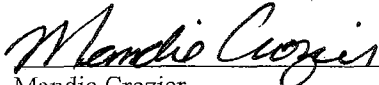
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #2-17-9-16 NW/NE Section 17, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/23/06

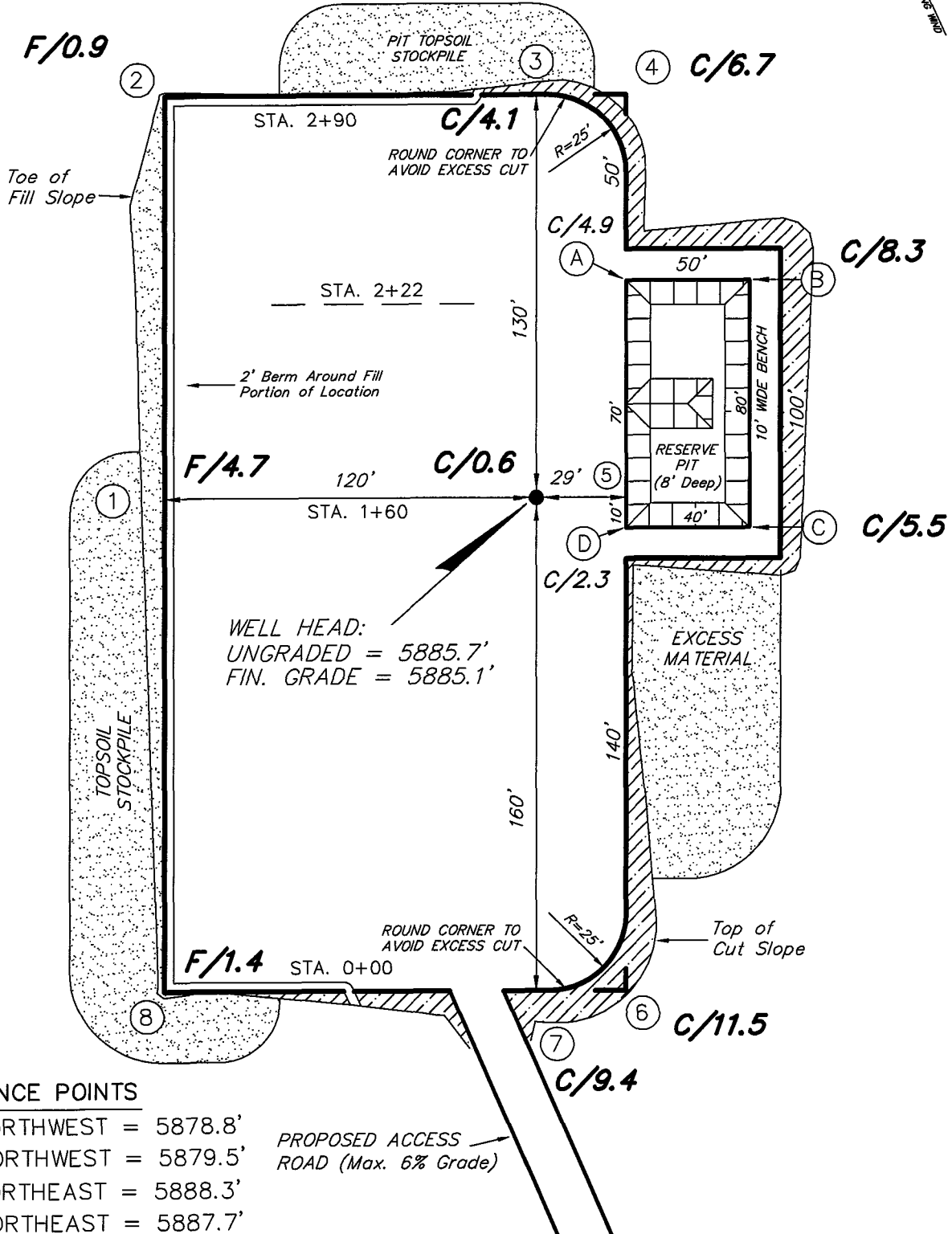
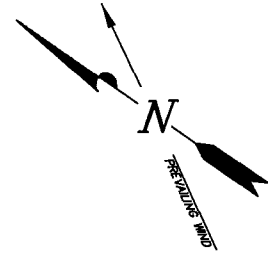
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 2-17-9-16

Section 17, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

- 170' NORTHWEST = 5878.8'
- 220' NORTHWEST = 5879.5'
- 180' NORTHEAST = 5888.3'
- 230' NORTHEAST = 5887.7'

PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: K.S.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 12-29-2005

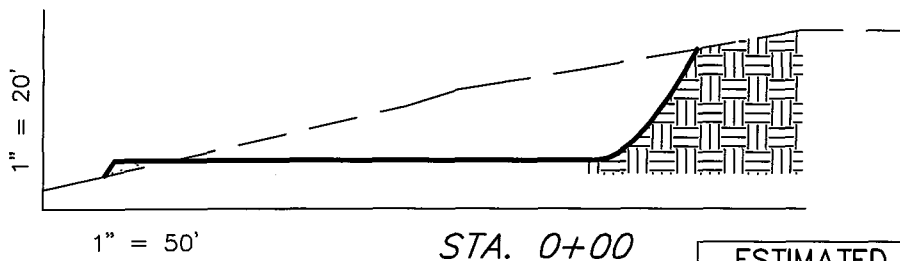
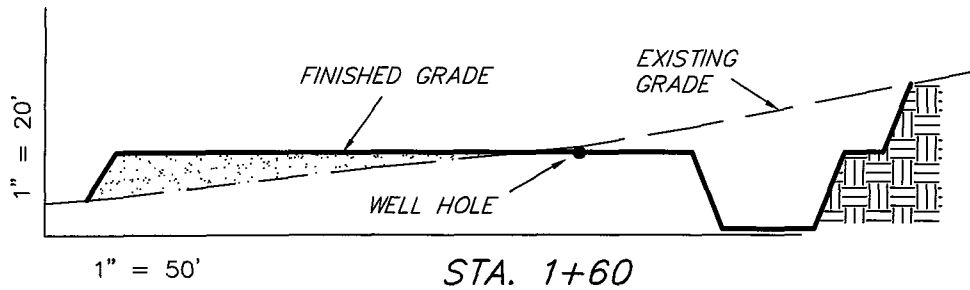
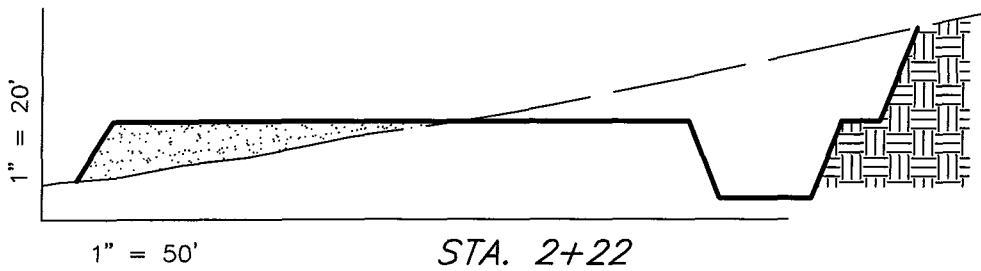
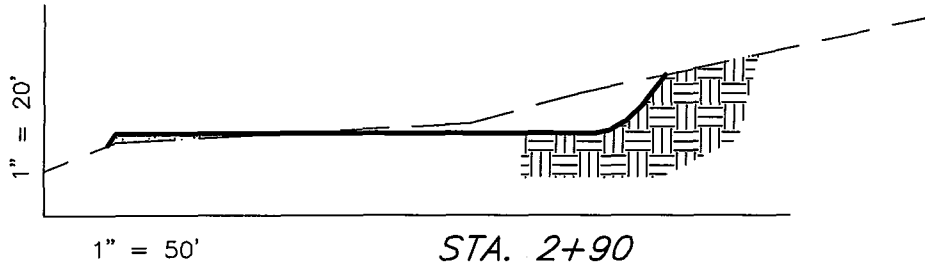
(435) 781-2501

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 2-17-9-16



ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,330	2,260	Topsoil is not included in Pad Cut	1,070
PIT	640	0		640
TOTALS	3,970	2,260	990	1,710

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

SURVEYED BY: K.S.

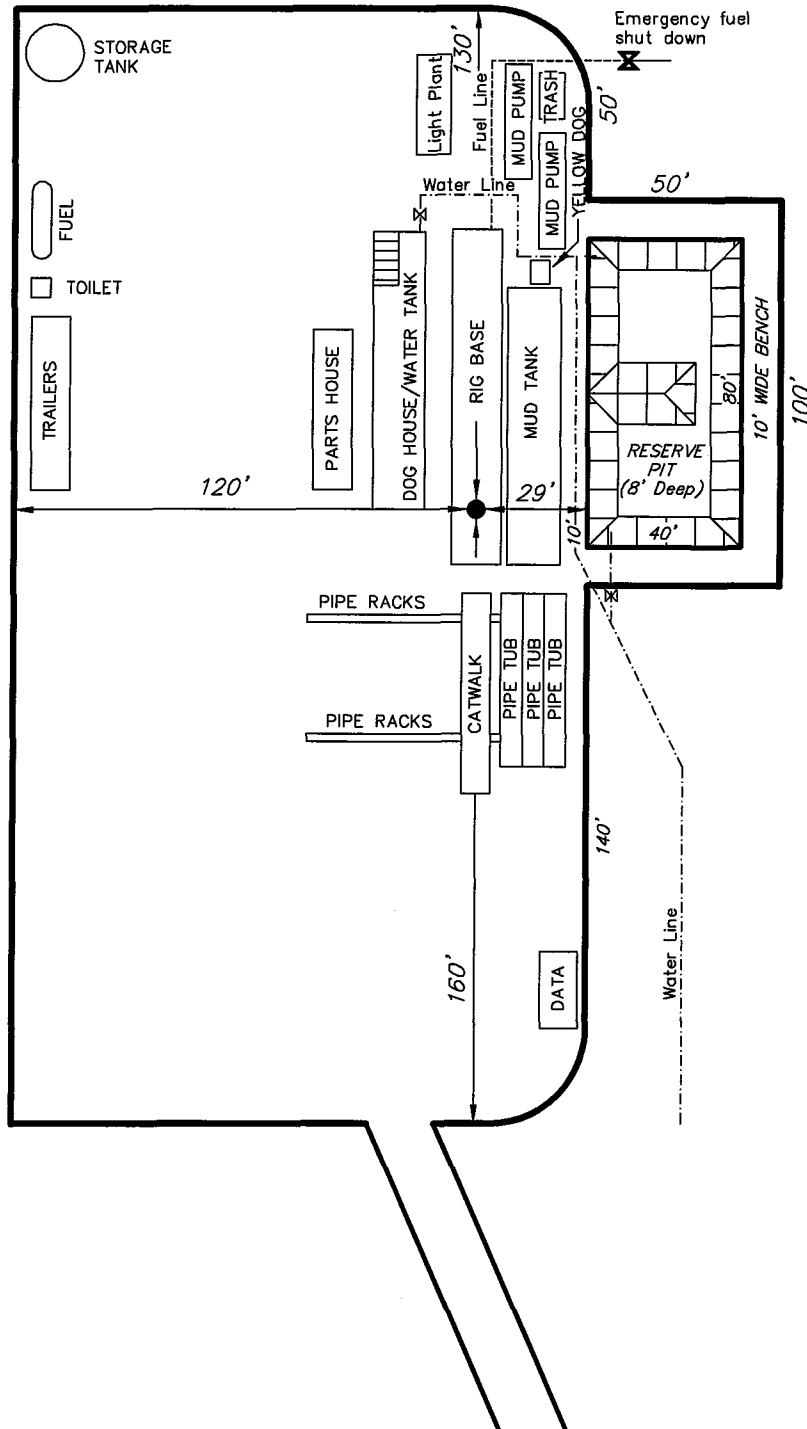
SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 12-29-2005

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 2-17-9-16



SURVEYED BY: K.S.

SCALE: 1" = 50'

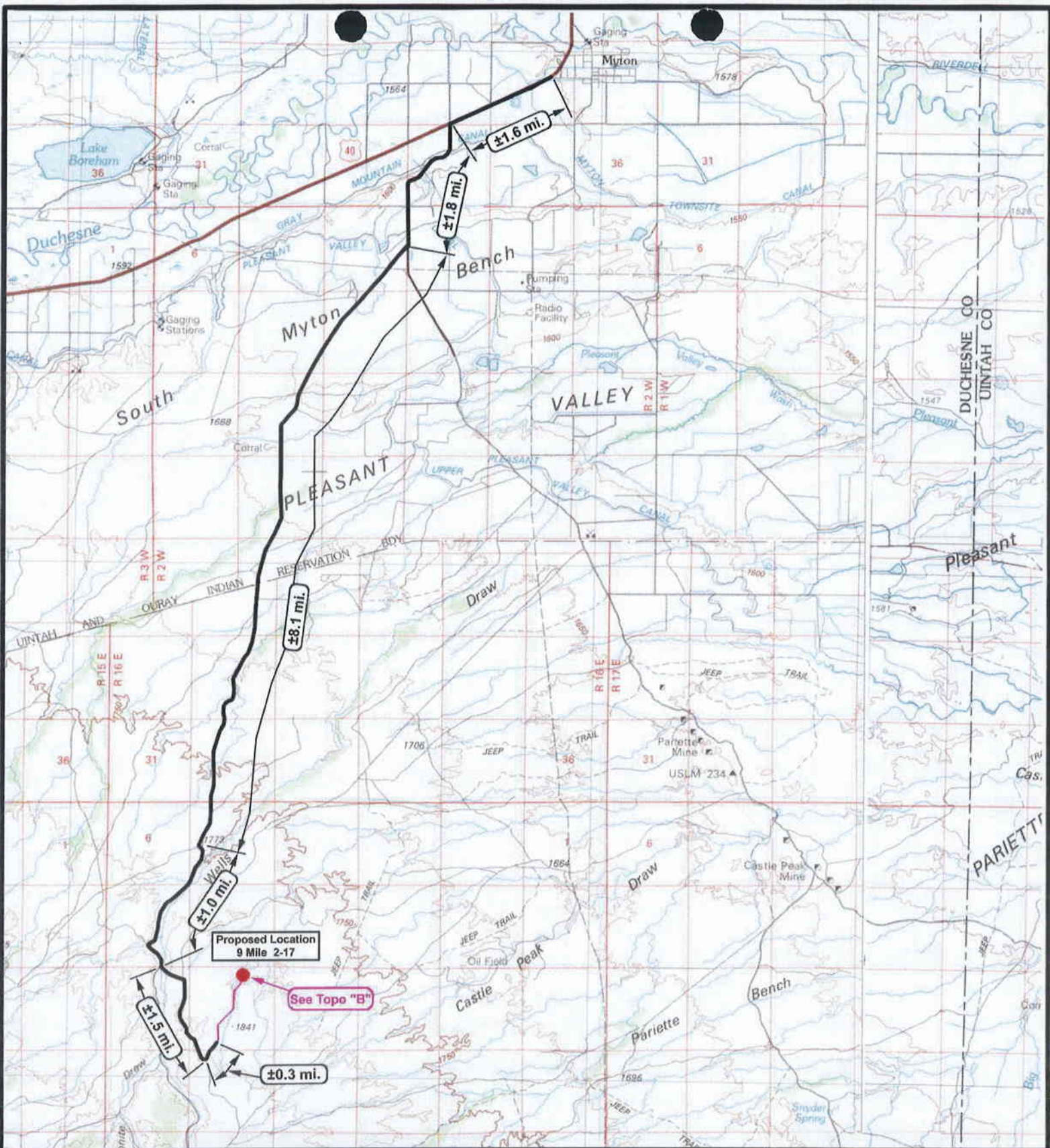
DRAWN BY: M.W.

DATE: 12-29-2005

Tri State
Land Surveying, Inc.

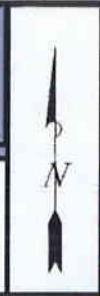
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



NEWFIELD
Exploration Company

9 Mile 2-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

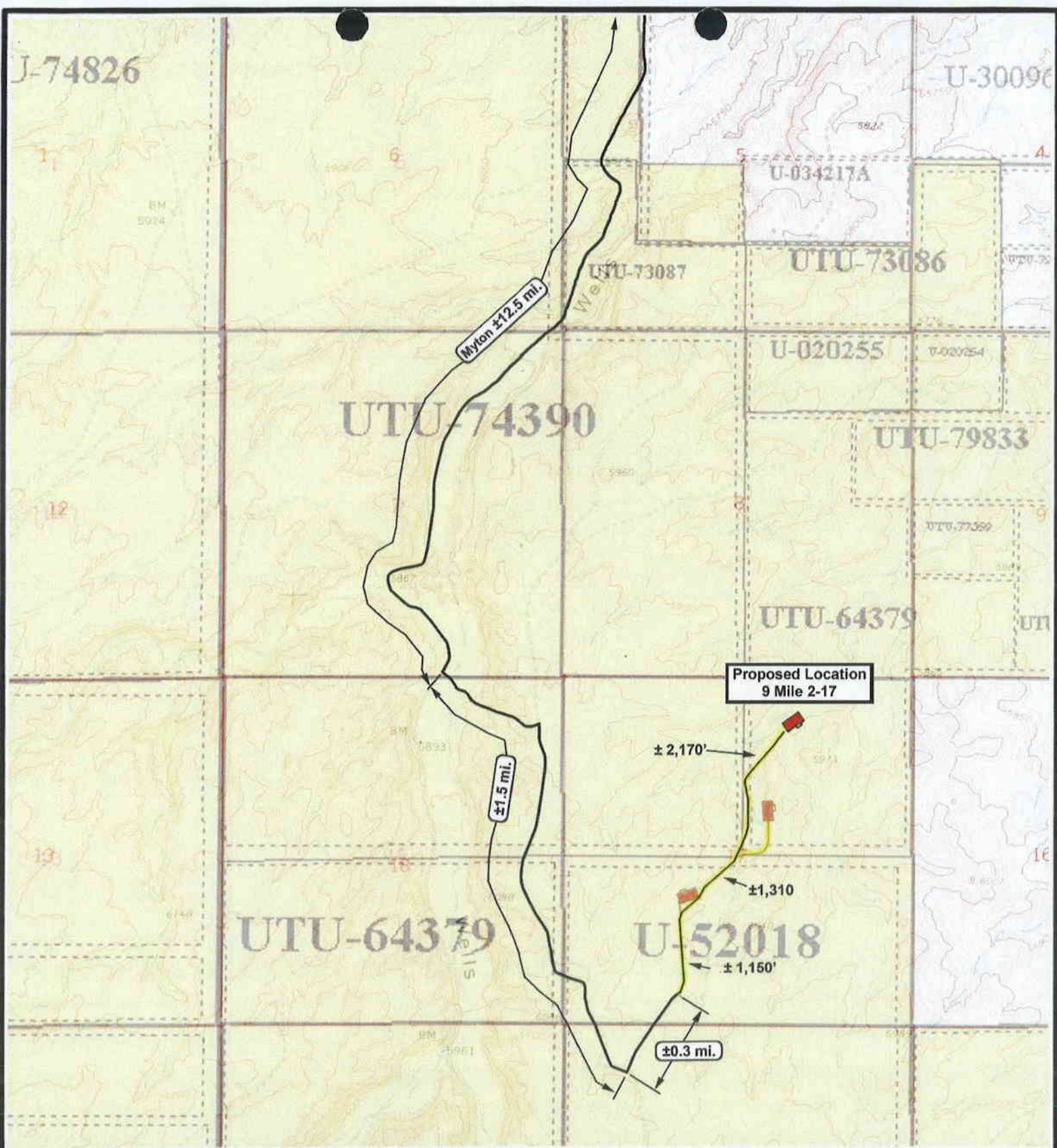

SCALE: 1 = 100,000
DRAWN BY: L.C.S.
DATE: 12-29-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"

NEWFIELD
Exploration Company



9 Mile 2-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.




Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

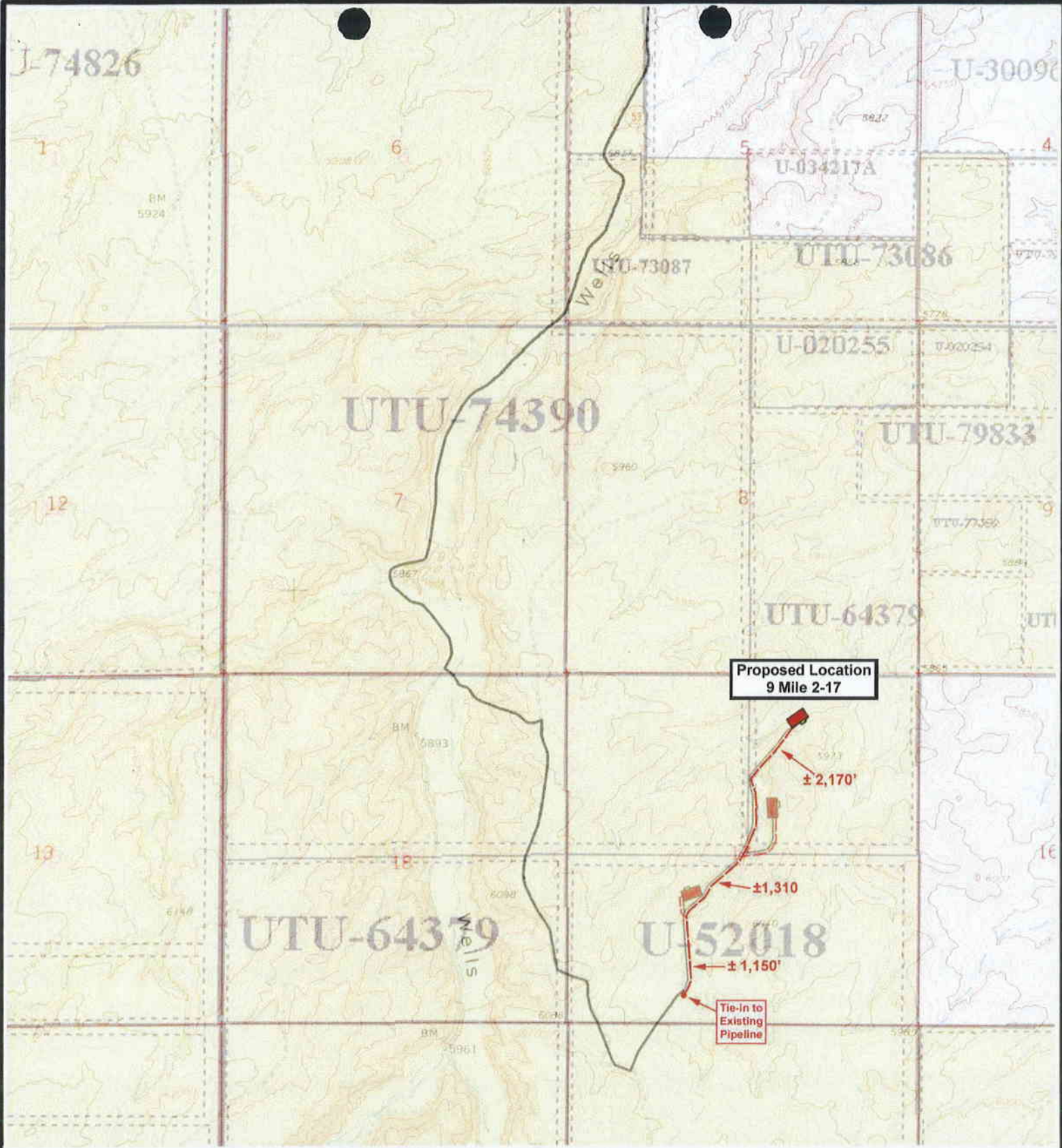
SCALE: 1" = 2000'
DRAWN BY: L.C.S.
DATE: 12-29-2005

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP

"B"




NEWFIELD
Exploration Company

9 Mile 2-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.




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180 North Vernal Ave. Vernal, Utah 84078

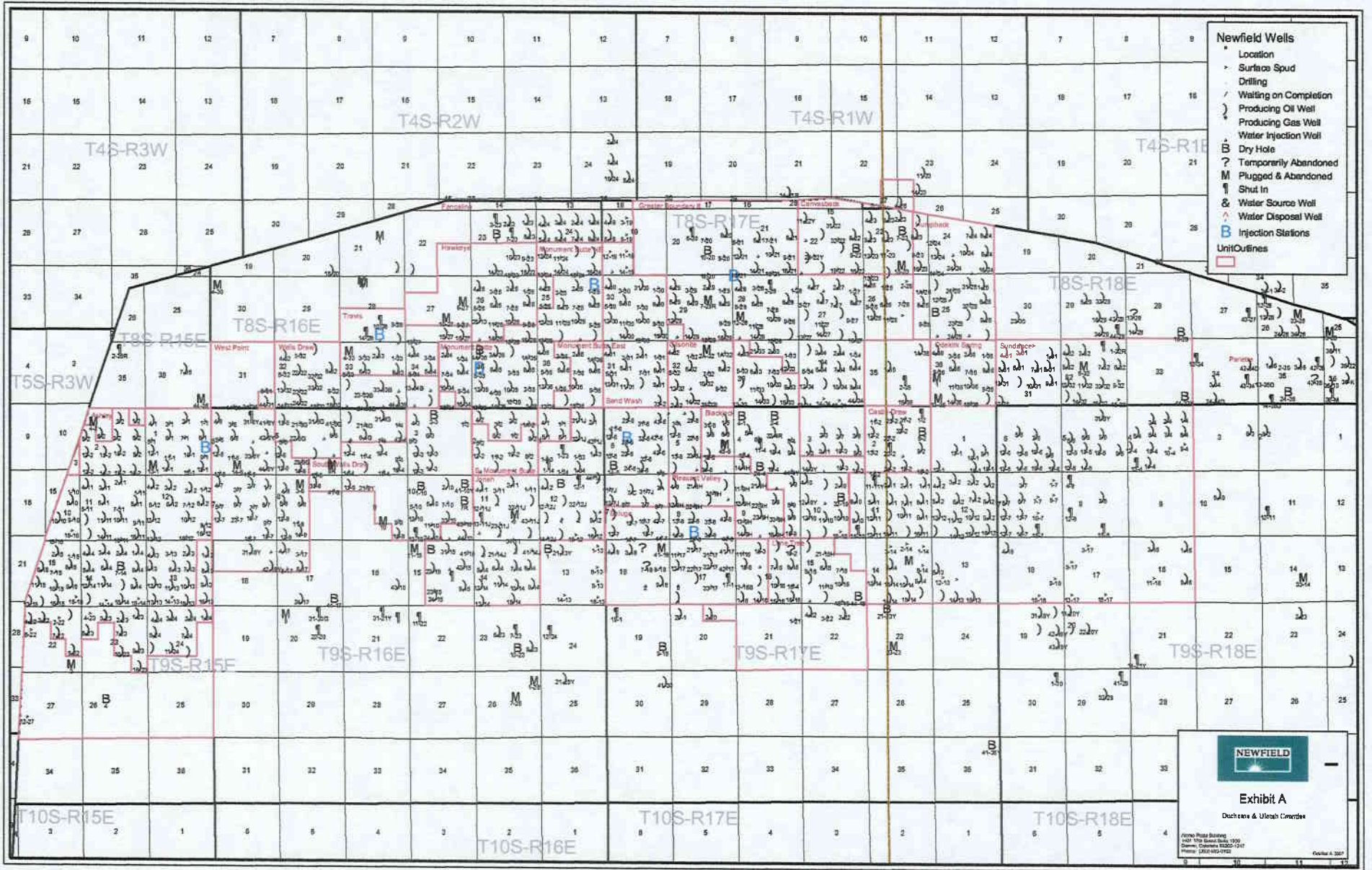
SCALE: 1" = 2000'
DRAWN BY: L.C.S.
DATE: 12-29-2005

Legend

-  Existing Road
-  Proposed Access
-  Proposed Gas Line

TOPOGRAPHIC MAP

"C"



UTU-74390

UTU-65207

UTU-64379

U-40894

**Proposed Location
9 Mile 2-17**

UTU-64379

U-52018

UTU-6



NEWFIELD
Exploration Company

9 Mile 2-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



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Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: L.C.S.
DATE: 12-29-2005

Legend

- **Well Locations**
- **One-Mile Radius**

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

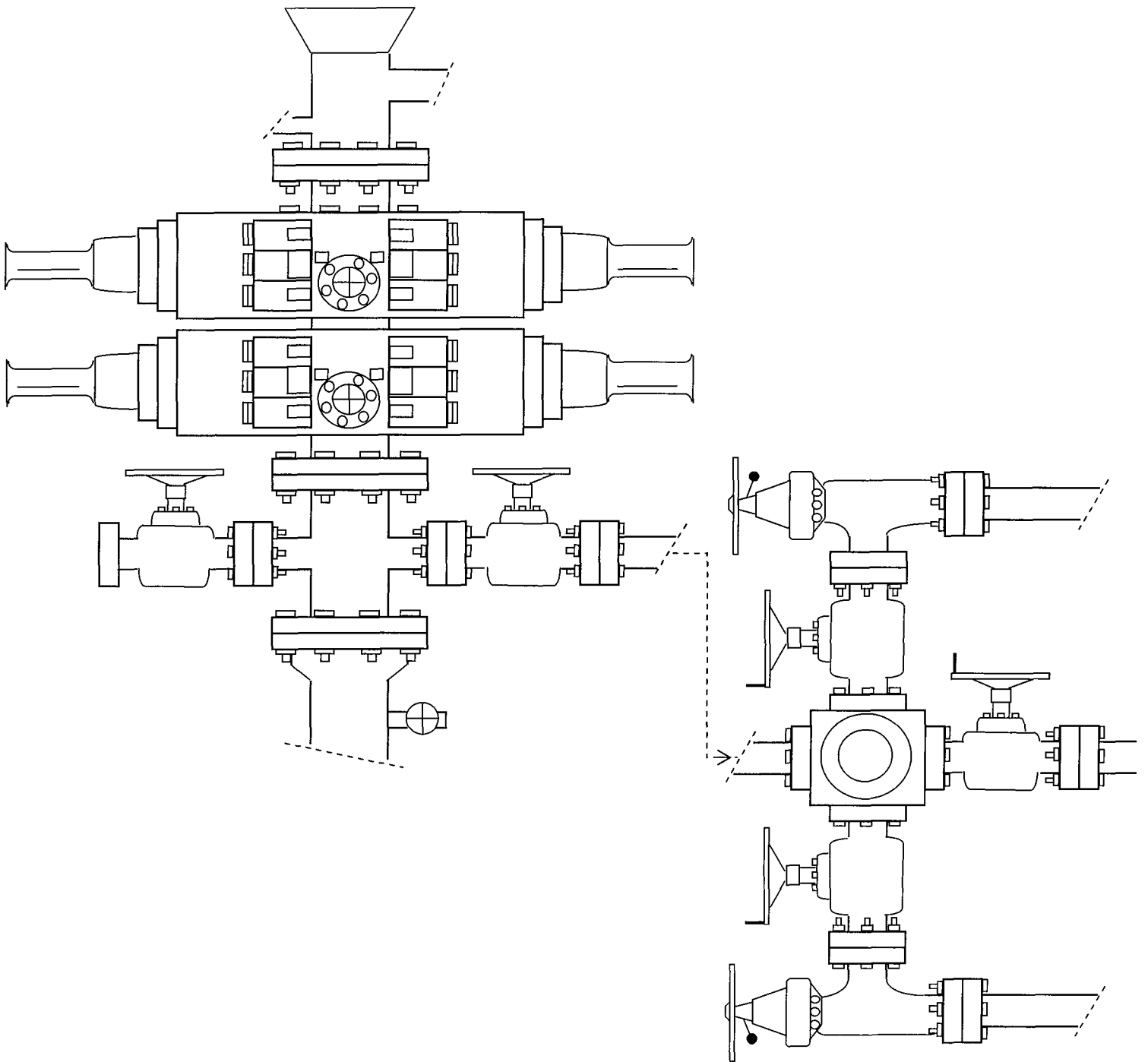


EXHIBIT C

Exhibit "D"
page 1 of 2

A CULTURAL RESOURCE SURVEY OF THE SOUTH WELLS DRAW UNIT,

DUCHESNE COUNTY, UTAH

by

Ann Polk
and
Danielle Diamond

Prepared for:

Inland Production Company
P.O. Box 790233
Vernal, Utah 84079-0233

Prepared by:

Sagebrush Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 97-UT-54630

and

Utah State Antiquities Permit No. U-97-SJ-0780b.

Archaeological Report No. 1030-01

April 23, 1998

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/24/2006

API NO. ASSIGNED: 43-013-33029

WELL NAME: FEDERAL 2-17-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNE 17 090S 160E
 SURFACE: 0669 FNL 1785 FEL
 BOTTOM: 0669 FNL 1785 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.03631 LONGITUDE: -110.1395
 UTM SURF EASTINGS: 573414 NORTHINGS: 4431932
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-64379
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- N RDCC Review (Y/N)
(Date: _____)
- N/A Fee Surf Agreement (Y/N)
- N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS:

Sep, Separate file

STIPULATIONS:

1- Federal Approval
2- Spacing Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 17 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

- Unit Status**
- EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PENDING
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA WHITNEY
DATE: 26-JANUARY-2006



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

January 26, 2006

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 2-17-9-16 Well, 669' FNL, 1785' FEL, NW NE, Sec. 17, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33029.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company
Well Name & Number Federal 2-17-9-16
API Number: 43-013-33029
Lease: UTU-64379

Location: NW NE Sec. 17 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED

JAN 24 2006

Form 3160-3
(September 2001)

BLM VERNAL, UTAH
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-64379
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 2-17-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/NE 669' FNL 1785' FEL At proposed prod. zone		9. API Well No. 43-013-33029
14. Distance in miles and direction from nearest town or post office* Approximatley 15.2 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 855' f/lease, NA' f/unit	16. No. of Acres in lease 1626.36	11. Sec., T., R., M., or Blk. and Survey or Area NW/NE Sec. 17, T9S R16E
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1134'	12. County or Parish Duchesne
19. Proposed Depth 6060'	20. BLM/BIA Bond No. on file UTB000192	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5886' GL	22. Approximate date work will start* 1st Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 1/23/06
Title Regulatory Specialist		

Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) JERRY KENCZKA	Date 8-4-2006
Title Assistant Field Manager Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED
RECEIVED

NOTICE OF APPROVAL accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY DIV. OF OIL, GAS & MINING

AUG 10 2006



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** NWNE, Sec. 17, T9S, R16E
Well No: Federal 2-17-9-16 **Lease No:** UTU-64379
API No: 43-013-33029 **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
Natural Resource Specialist:	Nathaniel West	Office: 435-781-4447	
After hours contact number:	(435) 781-4513	FAX: (435) 781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Location Construction
(Notify Chris Carusona) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Chris Carusona) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

DRILLING AND CONSTRUCTION

All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.

Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.

In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.

Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.

If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.

The reserve pit shall be double lined with felt and a 12 ml or greater liner.

No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.

The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.

When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.

Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).

Prevent fill and stock piles from entering drainages.

CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION.

Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to

determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.

Notify the Authorized Officer 48 hours prior to surface disturbing activities.

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.

Trees must be removed from the location; must be piled separately off location; and saved for final reclamation purposes:

INTERIM RECLAMATION

Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location:

Crested wheat grass	Agropyron cristatum	4 lbs/acre
Per Live Seed Total	4 lbs/acre	

Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.

The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.

There shall be no primary or secondary noxious weeds in the seed mixture.

The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.

The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in fall.

COMPLETION AND PRODUCTION

All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.

The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvanized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.

Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.

Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.

No production pits shall be allowed on the location.

Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.

All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.

The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.

Equipment not being used for production shall not be stored on the well location.

All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

ABANDONED WELL – FINAL RECLAMATION

A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.

The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-

half inch using a seed drill. Weed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.

When seeding *Artemisia* spp or shrubs broadcast seed and chain the area.

Final reclamation shall be a stage process.

If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).

30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.

Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.

Reseed within 30 days with an approved native final reclamation seed mix.

Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.

Timing Limitation Stipulation – No surface use is allowed within the nesting areas during the following time period: March 1 through June 30. This stipulation would not apply if sage grouse are not present or if impacts could be mitigated. Paint olive drab. 6" and 4" surface poly gas lines.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.
- **Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and / or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30

days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 2-17-9-16

Api No: 43-013-33029 Lease Type: FEDERAL

Section 17 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 08/29//06

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by TROY ZUFEIT

Telephone # (435) 823-6013

Date 09/05/06 Signed CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3830
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	15608	33030 43-013-30290	FEDERAL 7-17-9-16	SW/NE	17	9S	16E	DUCHESNE	08/26/06	8/30/06

WELL 4 COMMENTS: GRRU

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	15609	33029 43-013-30290	FEDERAL 2-17-9-16	NE/SW	17	9S	16E	DUCHESE	08/29/06	8/30/06

WELL 5 COMMENTS: GRRU

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

AUG 30 2006

Lana Nebeker
Signature

LANA NEBEKER

Production Analyst
Title

August 30, 2006
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPlicate - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NWNE Section 17 T9S R16E

5. Lease Serial No.

UTU-64379

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 2-17-9-16

9. API Well No.

4301333029

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/29/06 MIRU NDSI NS#1. Spud well @ 10:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.15' KB .8/31/06 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Don Bastian

Title

Drilling Foreman

Date

08/31/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

SEP 07 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.15

LAST CASING 8 5/8" SET # 323.15'
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company
 WELL Federal 2-17-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS#1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 44.10'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.3	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.15	
TOTAL LENGTH OF STRING		313.15	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			323.15	
TOTAL		311.3	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		311.3	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	8/29/2006	10:00AM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE			8/30/2006	9:00am	Bbls CMT CIRC TO SURFACE			3
BEGIN CIRC			8/31/2006	11:17am	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT			8/31/2006	11:28am	N/A			
BEGIN DSPL. CMT			8/31/2006	11:44am	BUMPED PLUG TO _____ 135 _____ PSI			
PLUG DOWN			8/31/2006	11:55am				

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Don Bastian DATE 8/31/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-64379

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.
FEDERAL 2-17-9-16

9. API Well No.
4301333029

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
669 FNL 1785 FEL
NWNE Section 17 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Weekly Status Report</u>
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9-14-06 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6063'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 138 jt's of 5.5 J-55, 15.5# csgn. Set @ 6063' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 450 SKS. CEMENT MIXED @14.4 PPG .There was@ 84,000 #'s tension. Release rig 7:00 AM 9-21-06.

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Perry Getchell

Signature *Perry Getchell*

Title
Drilling Foreman

Date
09/21/2006

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

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(Instructions on reverse)

RECEIVED

SEP 25 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTL-64379

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA Agreement, Name and/or

8. Well Name and No.
FEDERAL 2-17-9-16

9. API Well No.
4301333029

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630 Myton, UT 84052
3b. Phone (include are code) 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
669 FNL 1785 FEL
NWNE Section 17 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Mandi Crozier
Signature *Mandi Crozier*
Title Regulatory Specialist
Date 10/12/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office _____

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(Instructions on reverse)

RECEIVED
OCT 13 2006
DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137
Expires: February 28, 1995

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
 OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

7. UNIT AGREEMENT NAME
Federal

8. FARM OR LEASE NAME, WELL NO.
Federal 2-17-9-16

2. NAME OF OPERATOR
Newfield Exploration Company

9. WELL NO.
43-013-33029

3. ADDRESS AND TELEPHONE NO.
1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT
Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface 669' FNL & 1785' FEL (NW/NE) Sec. 17, T9S, R16E
 At top prod. Interval reported below

11. SEC., T., R., ML. OR BLOCK AND SURVEY OR AREA
Sec. 17, T9S, R16E

At total depth

14. API NO. 43-013-33029 DATE ISSUED 01/26/06

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 08/29/06 16. DATE T.D. REACHED 09/20/06 17. DATE COMPLE. (Ready to prod.) 10/10/06

18. ELEVATIONS (DE, RKB, RT, GR, ETC.)* 5886' GL 5898' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH MD & TVD 6063' 21. PLUG BACK T.D., MD & TVD 6042'

22. IF MULTIPLE COMPLE. HOW MANY* 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4202'-5750'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/ GRADE	WEIGHT, L.B./ FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6063'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5835'	5705'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP3) 5736'-5750'	.46"	4/56	5736'-5750	Frac w/ 29,681# 20/40 sand in 375 bbls fluid
(CP1) 5591'-5604'	.43"	4/52	5591'-5604'	Frac w/ 34,101# 20/40 sand in 395 bbls fluid
(LODC) 5262'-5273'	.43"	4/44	5262'-5273'	Frac w/ 49,346# 20/40 sand in 429 bbls fluid
(A3) 5172'-5182'	.43"	4/40	5172'-5182'	Frac w/ 29,420# 20/40 sand in 358 bbls fluid
(A1) 5044'-5052'	.43"	4/32	5044'-5052'	Frac w/ 34,720# 20/40 sand in 386 bbls fluid
(B2) 4940'-4954'	.43"	4/56	4940'-4954'	Frac w/ 59,969# 20/40 sand in 475 bbls fluid
(D2) 4727'-4741'	.43"	4/56	4727'-4741'	Frac w/ 34,580# 20/40 sand in 374 bbls fluid
(PB10) 4431'-4443'	.43"	4/48	4431'-4443'	Frac w/ 50,316# 20/40 sand in 406 bbls fluid
(GB6) 4202'-4209'	.43"	4/28	4202'-4209'	Frac w/ 31,683# 20/40 sand in 336 bbls fluid

33. PRODUCTION

DATE FIRST PRODUCTION 10/10/06 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump WELL STATUS (Producing or shut-in) PRODUCING

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD. FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
30 day ave			----->	61	18	44	295

FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24 HOUR RATE	OF BBL	GAS--MCF	WATER--BBL	OF GRAVITY APPLICABLE

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ALL WELLS

Justin Park

RECEIVED

NOV 02 2006

DIV. OF OIL, GAS & MINING

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all
drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and
recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 2-17-9-16	Garden Gulch Mkr	3657'	
				Garden Gulch 1	3872'	
				Garden Gulch 2	3979'	
				Point 3 Mkr	4233'	
				X Mkr	4500'	
				Y-Mkr	4533'	
				Douglas Creek Mkr	4646'	
				BiCarbonate Mkr	4820'	
				B Limestone Mkr	4987'	
				Castle Peak	5516'	
				Basal Carbonate	5972'	
				Total Depth (LOGGERS)	6070'	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-64379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:

FEDERAL 2-17-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333029

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 669 FNL 1785 FEL

COUNTY: DUCHESNE

OTR, OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE, 17, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____ 10/26/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Status report for time period 09/29/06 - 10/10/06

Subject well had completion procedures initiated in the Green River formation on 09-29-06 without the use of a service rig over the well. A cement bond log was run and a total of nine Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (65736'-5750'); Stage #2 (5591'-5604'); Stage #3 (5262'-5273'); Stage #4 (5172'-5182'); Stage #5 (5044'-5052'); Stage #6 (4940'-4954'); Stage #7 (4727'-4741'); Stage #8 (4431'-4443'); Stage #9 (4202'-4209'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 10-06-2006. Bridge plugs were drilled out and well was cleaned to 6042'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 10-10-2006.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

Jentri Park

DATE 10 26 2006

(This space for State use only)

RECEIVED

OCT 31 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 2-17-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0669 FNL 1785 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330290000
PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforation"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/05/2014. New interval perforated, C sands - 4841-4847' 3 JSPF. On 11/07/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/10/2014 the casing was pressured up to 1522 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an State representative available to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining

Date: ~~November 25, 2014~~

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/12/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 11/10/2014 Time 9:55 am pm

Test Conducted by: Dustin Bennett

Others Present: _____

Well: <u>Federal 2-17-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NW/NE, Sec 17 T95 R16E Duchesne County, Utah</u>	API No: <u>43-013-33029</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1518.2</u>	psig
5	<u>1522.0</u>	psig
10	<u>1521.8</u>	psig
15	<u>1521.8</u>	psig
20	<u>1521.8</u>	psig
25	<u>1521.6</u>	psig
30 min	<u>1521.6</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

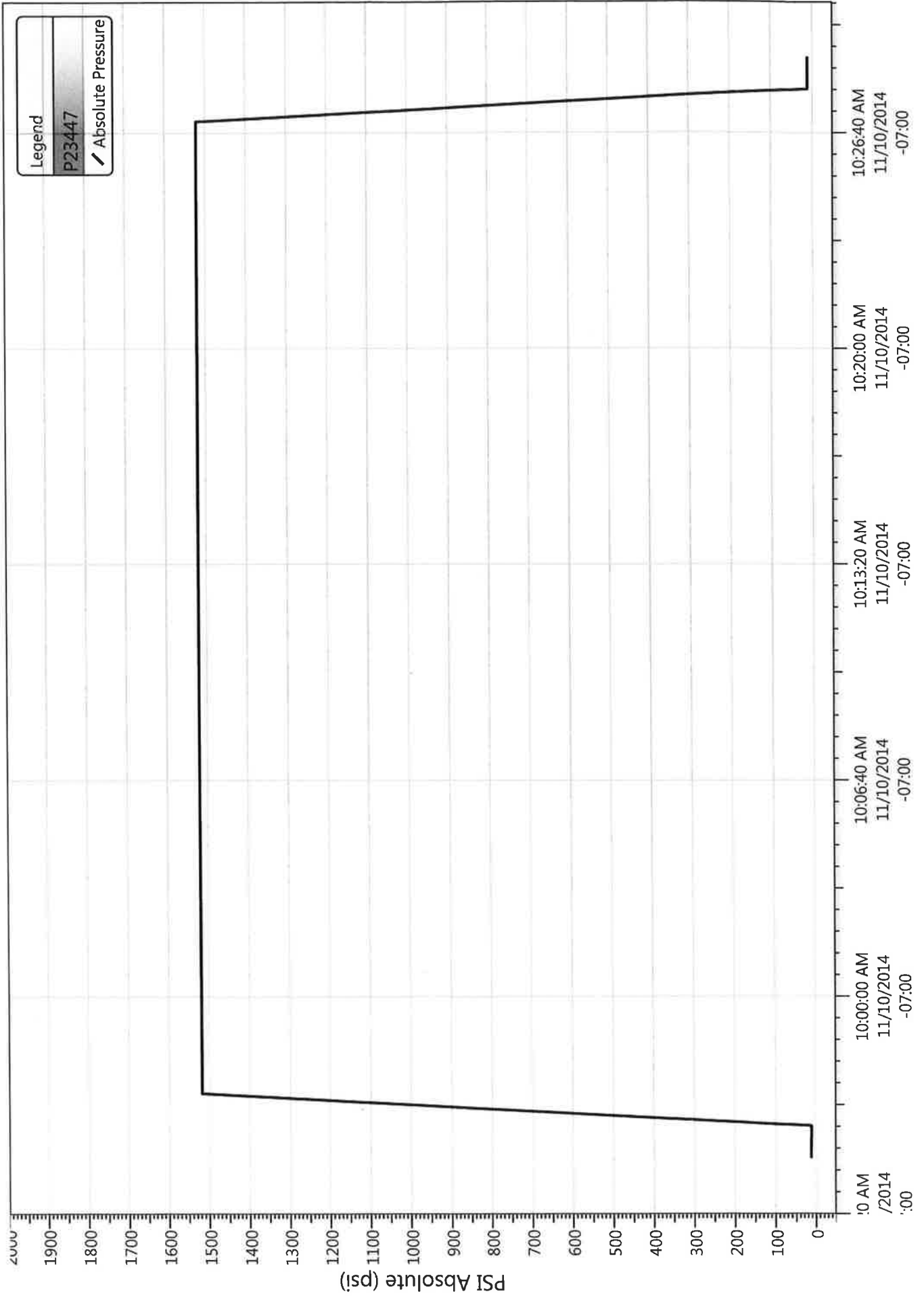
Tubing pressure: 50 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Dustin Bennett

Federal 2-17-9-16 (conversion mit 11-10-2014)
11/10/2014 9:54:22 AM



Well Name: Federal 2-17-9-16

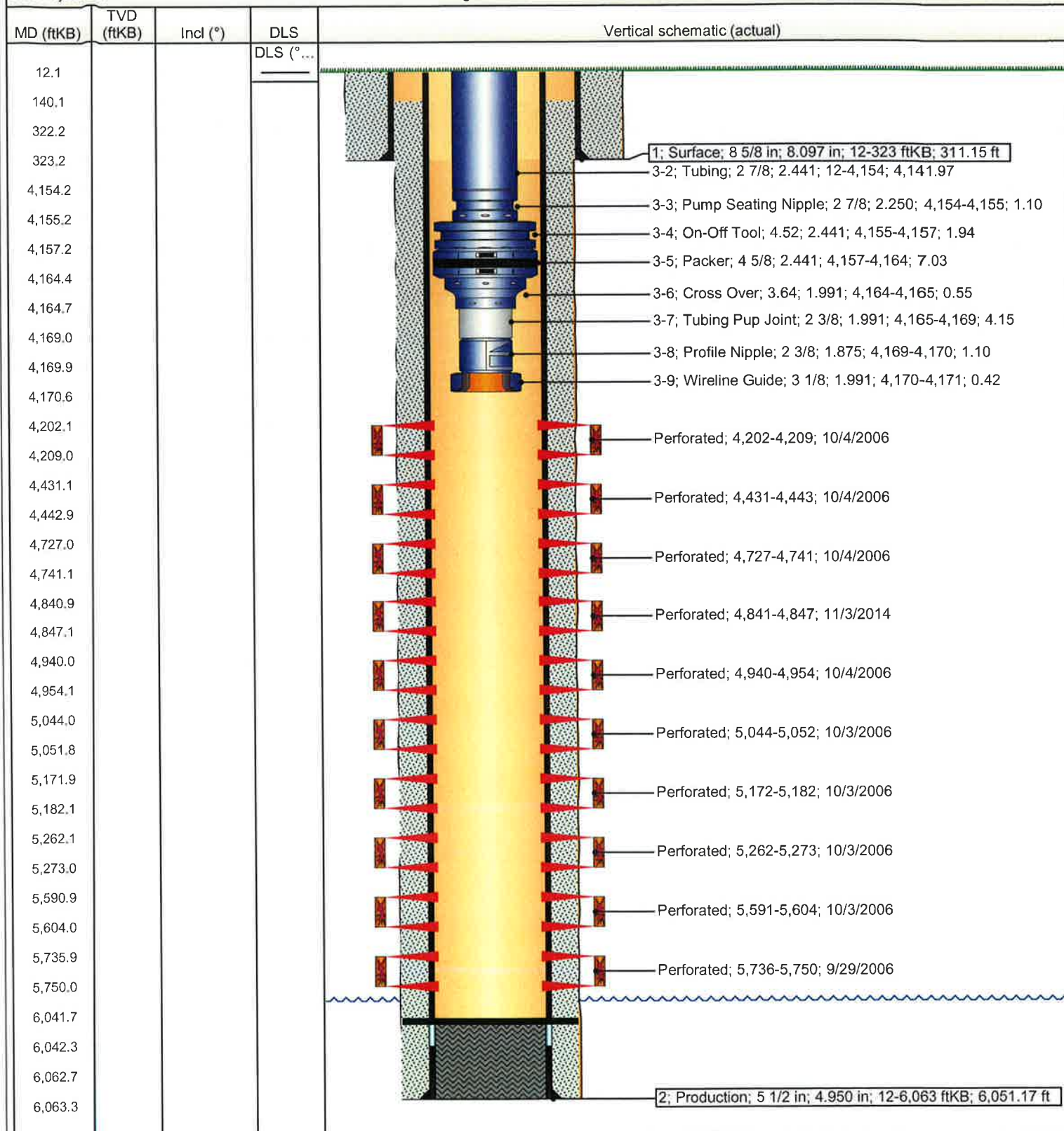
Surface Legal Location 17-9S-16E		API/UWI 43013330290000	Well RC 500155818	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 8/29/2006	Rig Release Date 9/21/2006	On Production Date 10/10/2006	Original KB Elevation (ft) 5,898	Ground Elevation (ft) 5,886	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,041.8	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 10/31/2014	Job End Date 11/10/2014
---------------------------------------	--------------------------------	---------------------------	------------------------------	----------------------------

TD: 6,063.2

Vertical - Original Hole, 11/11/2014 8:29:35 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 2-17-9-16**

Surface Legal Location 17-9S-16E		API/UWI 43013330290000		Lease	
County DUCHESENE		State/Province Utah		Basin	
Well Start Date 8/29/2006		Spud Date 8/29/2006		Final Rig Release Date 9/21/2006	
Original KB Elevation (ft) 5,898		Ground Elevation (ft) 5,886		Total Depth (ftKB) 6,063.2	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 6,041.8	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	WV/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/29/2006	8 5/8	8.097	24.00	J-55	323
Production	9/20/2006	5 1/2	4.950	15.50	J-55	6,063

Cement**String: Surface, 323ftKB 8/31/2006**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 323.2	Full Return?	Vol Cement Ret (bbl)
Fluid Description Cement w/ 160 sks. Class G w/ 2% CaCL + 1/4# / sk Cello-Flake. Mixed @ 15.8 ppg & 1.17 cf/sk yeild. Returned 3 bbls cement to pit.		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,063ftKB 9/21/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 140.0	Bottom Depth (ftKB) 6,063.2	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield		Fluid Type Lead	Amount (sacks) 325	Class Premilite II	Estimated Top (ftKB) 140.0
Fluid Description W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 450	Class 50/50 Poz	Estimated Top (ftKB) 3,000.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		11/5/2014		4,170.5				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)
Stretch Correction	1	2 7/8		6.50	J-55	0.25	12.0	12.2
Tubing	131	2 7/8	2.441	6.50	J-55	4,141.97	12.2	4,154.2
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	4,154.2	4,155.3
On-Off Tool	1	4.515	2.441			1.94	4,155.3	4,157.3
Packer	1	4 5/8	2.441			7.03	4,157.3	4,164.3
Cross Over	1	3.635	1.991			0.55	4,164.3	4,164.8
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.15	4,164.8	4,169.0
Profile Nipple	1	2 3/8	1.875		N-80	1.10	4,169.0	4,170.1
Wireline Guide	1	3 1/8	1.991			0.42	4,170.1	4,170.5

Rod Strings

Rod Description		Run Date		Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btn (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
9	GB6 sds, Original Hole	4,202	4,209	4	90	0.430	10/4/2006
8	PB10, Original Hole	4,431	4,443	4	90	0.430	10/4/2006
7	D2 sds, Original Hole	4,727	4,741	4	90	0.430	10/4/2006
10	C sds, Original Hole	4,841	4,847	3	120	0.340	11/3/2014
6	B2 sds, Original Hole	4,940	4,954	4	90	0.430	10/4/2006
5	A1 sds, Original Hole	5,044	5,052	4	90	0.430	10/3/2006
4	A3 sds, Original Hole	5,172	5,182	4	90	0.430	10/3/2006
3	LODC, Original Hole	5,262	5,273	4	90	0.430	10/3/2006
2	CP1 sds, Original Hole	5,591	5,604	4	90	0.430	10/3/2006
1	CP3, Original Hole	5,736	5,750	4	120	0.460	9/29/2006

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,000	0.78	25.1	2,369			
2	2,050	0.8	24.9	2,438			
3	2,700	0.95	25.2	3,121			
4	2,150	0.84	25.0	2,391			
5	2,600	0.95	25.2	2,357	225	318	0
6	1,900	0.82	25.3	2,123			



**Newfield Wellbore Diagram Data
Federal 2-17-9-16**



Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
7	2,050	0.87	25.3	2,090			
8	2,650	1.03	25.2	2,676			
9	2,200	0.96	25.3	2,330			
10	0	0.0	20.0	6,763	225		

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 29681 lb
2		Proppant White Sand 34101 lb
3		Proppant White Sand 49346 lb
4		Proppant White Sand 29420 lb
5		Proppant White Sand 34720 lb
6		Proppant White Sand 59969 lb
7		Proppant White Sand 34580 lb
8		Proppant White Sand 50316 lb
9		Proppant White Sand 31683 lb
10		



Well Name: Federal 2-17-9-16

Job Detail Summary Report

Jobs		Job Start Date	Job End Date
Primary Job Type	Conversion	10/31/2014	11/10/2014

Daily Operations		Report End Date	24hr Activity Summary
Report Start Date	10/31/2014	11/1/2014	MIRUSU, LD rods, Tag fill, RU BOP's, Test BOP's, TOOH w/ tbg breaking & doping.
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	09:00
Start Time	09:00	End Time	12:00
Start Time	12:00	End Time	14:30
Start Time	14:30	End Time	16:30
Start Time	16:30	End Time	18:00
Start Time	18:00	End Time	00:00

Daily Operations		Report End Date	24hr Activity Summary
Report Start Date	11/3/2014	11/4/2014	TOOH breaking & doping, Perforate, TIH w/ tools, Break down zone.
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	08:30
Start Time	08:30	End Time	11:00
Start Time	11:00	End Time	12:30
Start Time	12:30	End Time	15:30
Start Time	15:30	End Time	17:00
Start Time	17:00	End Time	00:00

Daily Operations		Report End Date	24hr Activity Summary
Report Start Date	11/4/2014	11/5/2014	RU frac well, Flow well back, LD work string, TIH w/ injection string, Test tbg.
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	09:30



Well Name: Federal 2-17-9-16

Job Detail Summary Report

Start Time	09:30	End Time	10:00	Comment
Start Time	10:00	End Time	12:30	RD Nabors. Open equalizer & released pkr. Took 700 psi to circulate tbg clean. TIH w/ tbg to C/O 78' of sand. Release RBP @ 4889'.
Start Time	12:30	End Time	16:00	RU Nabors catwalk & pipe racks. TOOH w/ L-80 laying down on racks. LD pkr & RBP.
Start Time	16:00	End Time	17:00	RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID, On/Off tool, 2-7/8" SN. TIH w/ 131 jts of used 2-7/8" J-55 tbg. Pump 10 bbbls. drop std vlv. Pressure tbg to 3000 psi & leave overnight.
Start Time	17:00	End Time	00:00	Shut in well for night.
Report Start Date	11/5/2014	Report End Date	11/6/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	Well was shut in for night.
Start Time	07:00	End Time	10:00	Well safety meeting. Tbg lost 2800 psi overnight. Pressure to 3000 psi. Tested 30 min (good). RU sand line & fish std vlv. RD BOP's. Pump 65 bbbls packer fluid.
Start Time	10:00	End Time	12:00	Set pkr @ 4141'. Pressure casing to 1500 psi.
Start Time	12:00	End Time	16:00	Ran 5 testes. Well was gaining 10 psi on 30 min tests. RU Newfield Water Services & well failing to test by climbing 8 psi in 30 min tests. Got good test.
Start Time	16:00	End Time	17:00	RDMOSU.
Start Time	17:00	End Time	00:00	Shut in well. Wait on permission to inject.
Report Start Date	11/10/2014	Report End Date	11/10/2014	24hr Activity Summary
Start Time	09:55	End Time	10:25	Conduct MIT
Start Time	09:55	End Time	10:25	On 11/07/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/10/2014 the casing was pressured up to 1522 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an State representative available to witness the test.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: FEDERAL 2-17-9-16	
9. API NUMBER: 43013330290000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0669 FNL 1785 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	
PHONE NUMBER: 435 646-4825 Ext	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
1. TYPE OF WELL Water Injection Well	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
SUNDRY NOTICES AND REPORTS ON WELLS	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

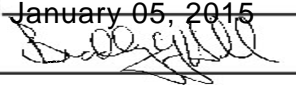
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/19/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 11:30 AM on 12/19/2014.

Accepted by the Utah Division of Oil, Gas and Mining

Date: January 05, 2015

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/23/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-424

Operator: Newfield Production Company
Well: Federal 2-17-9-16
Location: Section 17, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33029
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 31, 2014.
2. Maximum Allowable Injection Pressure: 1,868 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,977' – 6,042')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

12-17-2014
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 31, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 2-17-9-16, Section 17, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33029

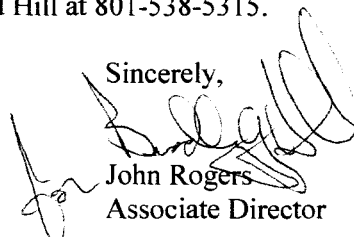
Newfield Production Company

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,977 feet in the Federal 2-17-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,



John Rogers
Associate Director

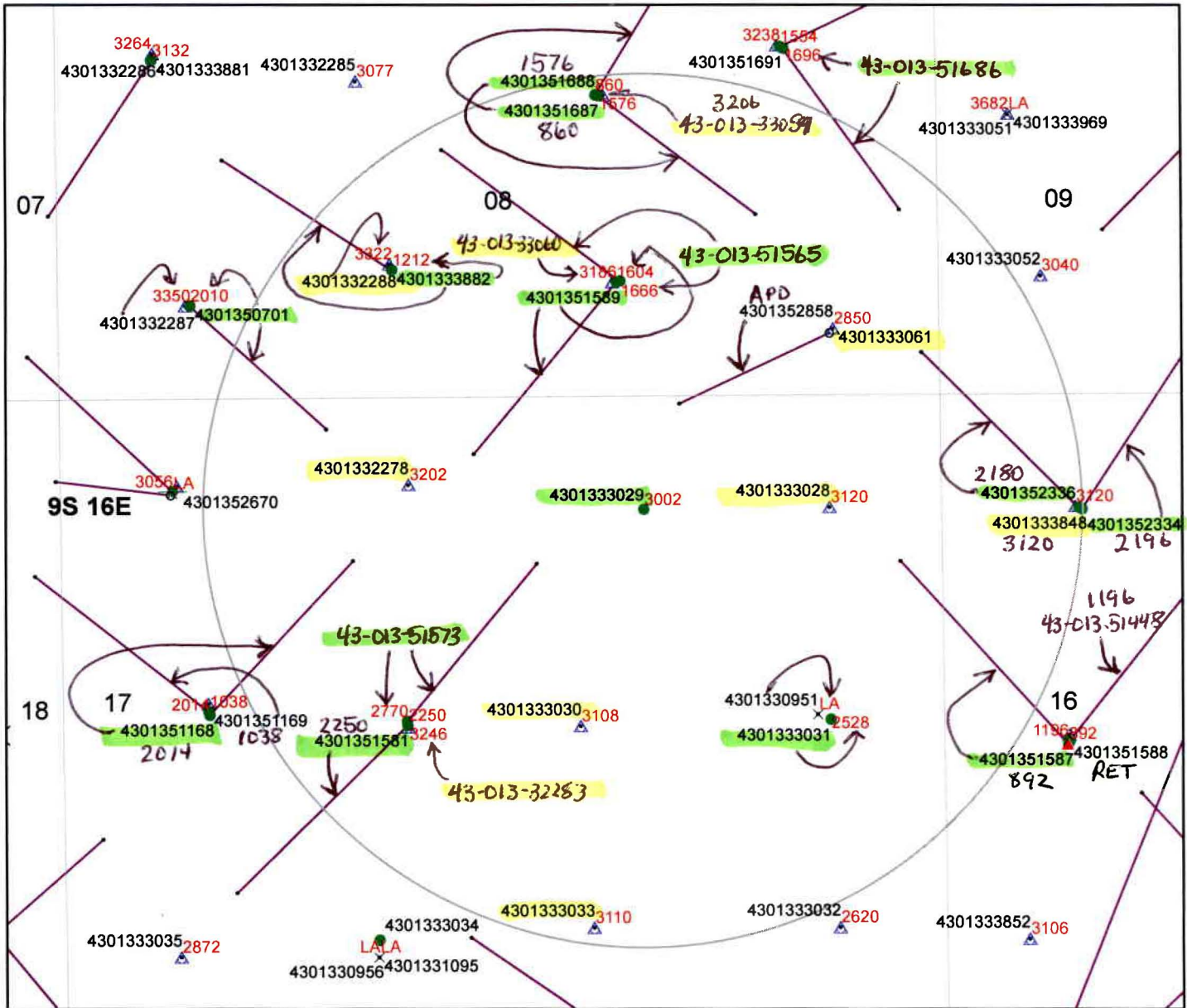
JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov





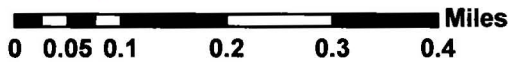
Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

**Cement Bond Tops
State 16-16-9-16
API #43-013-33854
UIC-420.3**

(updated 12/16/2014)



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbitopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 2-17-9-16

Location: 17/9S/16E **API:** 43-013-33029

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,063 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,002 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,152 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (12/16/2014), based on surface locations, there are 10 producing wells and 10 injection wells in the AOR. Four of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are 4 directional producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 3,977 feet and 6,042 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 2-17-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,868 psig. The requested maximum pressure is 1,868 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 2-17-9-16
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 7/25/2014 (revised 12/16/2014)

4770 S. 5600 W
 P.O. BOX 704005
 WEST VALLEY CITY, UTAH 84170
 FED. TAX I.D.# 87-0217663
 801-204-6910

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING. Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	6/25/2014

ACCOUNT NAME			
DIV OF OIL-GAS & MINING.			
TELEPHONE	ADORDER# / INVOICE		
8015385340	0000966816 /		
SCHEDULE			
Start 06/25/2014	End 06/25/2014		
CUST. REF. NO.			
CAUSE NO. UIC-424			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NAT			
SIZE			
76	Lines	2.00	COLUMN
TIMES	RATE		
3			
MISC. CHARGES	AD CHARGE		
TOTAL COS			
260.36			

**BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-424**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202; telephone 303-893-0102; for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
 Fence Line Federal 2-24-8-16 well located in NW/4 NE/4, Section 24, Township 8 South, Range 16 East
 API 43-013-32364
 Fence Line Federal 8-24-8-16 well located in SE/4 NE/4, Section 24, Township 8 South, Range 16 East
 API 43-013-32360
 Ashley Federal 6-25-9-15 well located in SE/4NW/4, Section 25, Township 9 South, Range 15 East
 API 43-013-32946
 Ashley Federal 10-25-9-15 well located in NW/4 SE/4, Section 25, Township 9 South, Range 15 East
 API 43-013-32949
 Federal 2-17-9-16 well located in NW/4 NE/4, Section 17, Township 9 South, Range 16 East
 API 43-013-33029
 Federal 8-17-9-16 well located in SE/4 NE/4, Section 17, Township 9 South, Range 16 East
 API 43-013-33031
 Federal 41-211 well located in NE/4 NE/4, Section 21, Township 9 South, Range 16 East
 API 43-013-31392

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of June, 2014,
 STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/ Brad Hill
 Permitting Manager
 966816

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH, CAUSE NO. UIC-424 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED IN THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY PUBLICATIONS IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTABLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTABLEGALS.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

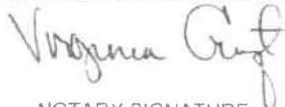
PUBLISHED ON Start 06/25/2014 End 06/25/2014

SIGNATURE 

DATE 6/25/2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
 PLEASE PAY FROM BILLING STATEMENT

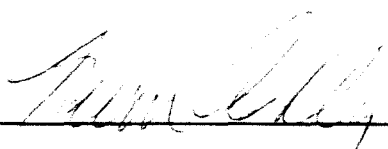
VIRGINIA CRAFT
 NOTARY PUBLIC - STATE OF UTAH
 My Comm. Exp. 01-12-2018
 Commission # 672963


 NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 1 day of July, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 1 day of July, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

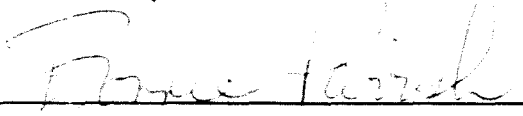


Publisher

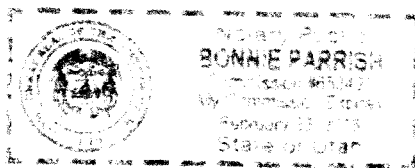
Subscribed and sworn to before me on this

2 day of July, 20 14

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-424

BEFORE THE
DIVISION OF OIL,
GAS AND MINING,
DEPARTMENT OF
NATURAL RE-
SOURCEES, STATE
OF UTAH.

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTION 24,
TOWNSHIP 8
SOUTH, RANGE
16 EAST, SECTION
25, TOWNSHIP 9
SOUTH, RANGE
15 EAST, AND
SECTIONS 17 AND
21, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company,
1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative
approval of the fol-
lowing wells located
in Duchesne County,
Utah, for conversion
to Class II injection
wells:

Greater Monument
Butte Unit:

Fenceline Federal
2-24-8-16 well lo-
cated in NW/4 NE/4,
Section 24, Township
8 South, Range 16
East

API 43-013-32364
Fenceline Federal
3-24-8-16 well lo-
cated in SE/4 NE/4,
Section 24, Township

538-5340. If such
a protest or notice
of intervention is
received, a hearing
will be scheduled
in accordance with
the aforementioned
administrative
procedural rules.
Protestants and/or
interveners should be
prepared to demon-
strate at the hearing
how this matter af-
fects their interests.

Dated this 23rd day
of June, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

Brad Hill
Permitting Man-
ager

Published in the
Uintah Basin Stan-
dard July 1, 2014.

8 South, Range 16
East

API 43-013-32360
Ashley Federal
6-25-9-15 well lo-
cated in SE 4 NW 4,
Section 25, Township
9 South, Range 15
East

API 43-013-32946
Ashley Federal 10-
25-9-15 well located
in NW 4 SE 4, Sec-
tion 25, Township 9
South, Range 15 East

API 43-013-32949
Federal 2-17-9-16
well located in NW 4
NE 4, Section 17,
Township 9 South,
Range 16 East

API 43-013-33020
Federal 8-17-9-16
well located in SE 4
NE 4, Section 17,
Township 9 South,
Range 16 East

API 43-013-33031
Federal 41-21Y
well located in NE 1/4
NE 1/4, Section 21,
Township 9 South,
Range 16 East

API 43-013-31392
The proceeding
will be conducted in
accordance with Utah
Admin. R649-10,
Administrative Proce-
dures.

Selected zones
in the Green River
Formation will be
used for water injec-
tion. The maximum
requested injection
pressures and rates
will be determined
based on fracture
gradient informa-
tion submitted by
Newfield Production
Company.

Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake
City, UT 84114-5801,
phone number (801)

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-424

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Fenceline Federal 2-24-8-16 well located in NW/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32364

Fenceline Federal 8-24-8-16 well located in SE/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32360

Ashley Federal 6-25-9-15 well located in SE/4NW/4, Section 25, Township 9 South, Range 15 East
API 43-013-32946

Ashley Federal 10-25-9-15 well located in NW/4 SE/4, Section 25, Township 9 South, Range 15 East
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Federal 2-17-9-16 well located in NW/4 NE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33029

Federal 8-17-9-16 well located in SE/4 NE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33031

Federal 41-21Y well located in NE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-31392

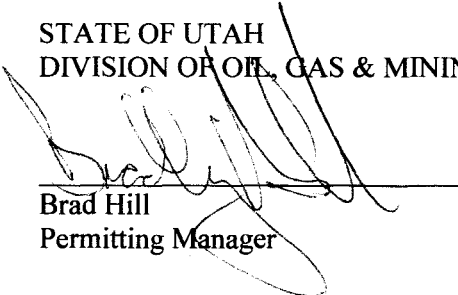
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 23rd day of June, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FENCELINE FEDERAL 2-24-8-16, FENCELINE FEDERAL 8-24-8-16,
ASHLEY FEDERAL 6-25-9-15, ASHLEY FEDERAL 10-25-9-15,
FEDERAL 2-17-9-16, FEDERAL 8-17-9-16, FEDERAL 41-21Y**

Cause No. UIC-424

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

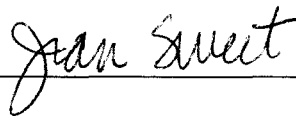
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 24, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-424

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-424

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Thu, Jun 26, 2014 at 2:54 PM

On 6/24/2014 9:37 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

–
Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

Received. Thank you. It will publish July 1, 2014.
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 24, 2014

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-424

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #0000966816-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	Payor Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154
Fax	801-359-3940	Ordered By	Acct. Exec
Email	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$260.36			
Payment Amt	\$0.00			
Amount Due	\$260.36	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	CAUSE NO. UIC-424	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	2.0 X 76 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	6/25/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	6/25/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	6/25/2014	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-424

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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- Greater Monument Butte Unit:
 - Fenceline Federal 2-24-8-16 well located in NW/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32364
 - Fenceline Federal 8-24-8-16 well located in SE/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32360
 - Ashley Federal 6-25-9-15 well located in SE/4NW/4, Section 25, Township 9 South, Range 15 East
API 43-013-32946
 - Ashley Federal 10-25-9-15 well located in NW/4 SE/4, Section 25, Township 9 South, Range 15 East
API 43-013-32949
 - Federal 2-17-9-16 well located in NW/4 NE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33029
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API 43-013-33031
 - Federal 41-219 well located in NE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-31392

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Dated this 23rd day of June, 2014.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

966816 UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

June 4, 2014

RECEIVED

JUN 06 2014

DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Federal #2-17-9-16
Monument Butte Field, Lease #UTU-64379
Section 17-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #2-17-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Jill L. Loyle
Regulatory Associate



NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #2-17-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64379
JUNE 4, 2014

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
 ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #2-17-9-16
 Field or Unit name: Monument Butte (Green River) Lease No. UTU-64379
 Well Location: QQ NWNE section 17 township 9S range 16E county Duchesne

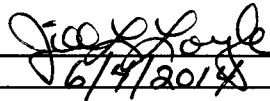
Is this application for expansion of an existing project? Yes [X] No []
 Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
 Disposal? Yes [] No [X]
 Storage? Yes [] No [X]
 Is this application for a new well to be drilled? Yes [] No [X]
 If this application is for an existing well,
 has a casing test been performed on the well? Yes [] No [X]
 Date of test: _____
 API number: 43-013-33029

Proposed injection interval: from 3977 to 6042
 Proposed maximum injection: rate 500 bpd pressure 1868 psig
 Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L Loyle Signature 
 Title: Regulatory Associate Date: 6/9/2018
 Phone No.: (303) 383-4135

(State use only)
 Application approved by _____ Title _____
 Approval Date _____

Comments:

Federal 2-17-9-16

Spud Date: 08/29/06
 Put on Production: 10/10/06
 K.B.: 5898, G.L.: 5886

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.30')
 DEPTH LANDED: 323.15' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 3 bbls to surf.

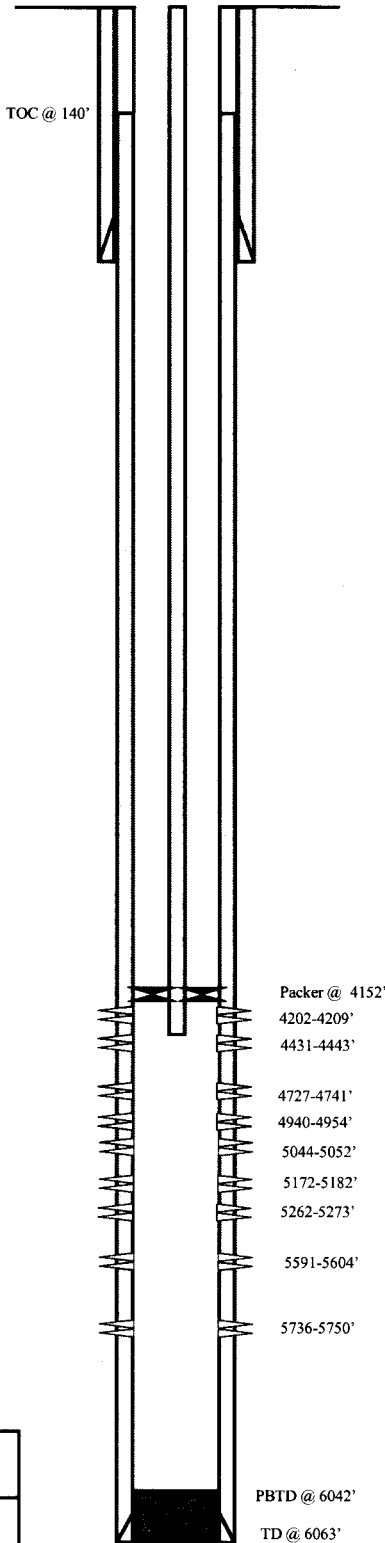
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6063.92')
 DEPTH LANDED: 6063.17' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP AT: 140' per CBL 9/30/06

TUBING (GI 3/19/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 180 jts (5692.6')
 TUBING ANCHOR: 5704.6' KB
 NO. OF JOINTS: 2 jts (63.23')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5770.63' KB
 NO. OF JOINTS: 2 jts (63.21')
 NOTCHED COLLAR: 2-7/8" (0.45")
 TOTAL STRING LENGTH: EOT @ 5835.39' KB

Proposed Injection Wellbore Diagram




FRAC JOB

10/03/06	5736-5750'	Frac CP3, sands as follows: 29681# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 2184 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc flush: 5748 gal. Actual flush: 5250 gal.
10/03/06	5591-5604'	Frac CP1 sands as follows: 34101# 20/40 sand in 395 bbls Lightning 17 frac fluid. Treated @ avg press of 2194 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 5602 gal. Actual flush: gal.
10/03/06	5262-5273'	Frac LODC sands as follows: 49346# 20/40 sand 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2882 psi w/avg rate of 24.6 BPM. ISIP 2700 psi. Calc flush: 5271 gal. Actual flush: 4788 gal.
10/03/06	5172-5182'	Frac A3 sands as follows: 29420# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 2296 psi w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc flush: 5180 gal. Actual flush: 4662 gal.
10/04/06	5044-5052'	Frac A1 sands as follows: 34720# 20/40 sand in 386 bbls Lightning 17 frac fluid. Treated @ avg press of 2198 psi w/avg rate of 24.8 BPM. ISIP 2600 psi. Calc flush: 5050 gal. Actual flush: 4578 gal.
10/04/06	4940-4954'	Frac B2 sands as follows: 59969# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1792 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4952 gal. Actual flush: 4368 gal.
10/04/06	4727-4741'	Frac D2 sands as follows: 34580# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1871 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4739 gal. Actual flush: 4242 gal.
10/04/06	4431-4443'	Frac PB10 sands as follows: 50316# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2487 psi w/avg rate of 24.7 BPM. ISIP 2650 psi. Calc flush: 4441 gal. Actual flush: 3948 gal.
10/04/06	4202-4209'	Frac GB6 sands as follows: 31683# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4207 gal. Actual flush: 4074 gal.
05/20/11		Pump Change. Rod & tubing details updated.

PERFORATION RECORD

09/29/06	5736-5750'	4 JSPF	56 holes
10/03/06	5591-5604'	4 JSPF	52 holes
10/03/06	5262-5273'	4 JSPF	44 holes
10/03/06	5172-5182'	4 JSPF	40 holes
10/03/06	5044-5052'	4 JSPF	32 holes
10/04/06	4940-4954'	4 JSPF	56 holes
10/04/06	4727-4741'	4 JSPF	56 holes
10/04/06	4431-4443'	4 JSPF	48 holes
10/04/06	4202-4209'	4 JSPF	28 holes



Federal 2-17-9-16
 669' FNL & 1785' FEL
 NW/NE Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33029; Lease #UTU-64379

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #2-17-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #2-17-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3977' - 6042'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3655' and the TD is at 6063'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #2-17-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-64379) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 6063' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1868 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #2-17-9-16, for existing perforations (4202' - 5750') calculates at 0.82 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1868 psig. We may add additional perforations between 3655' and 6063'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #2-17-9-16, the proposed injection zone (3977' - 6042') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-19.

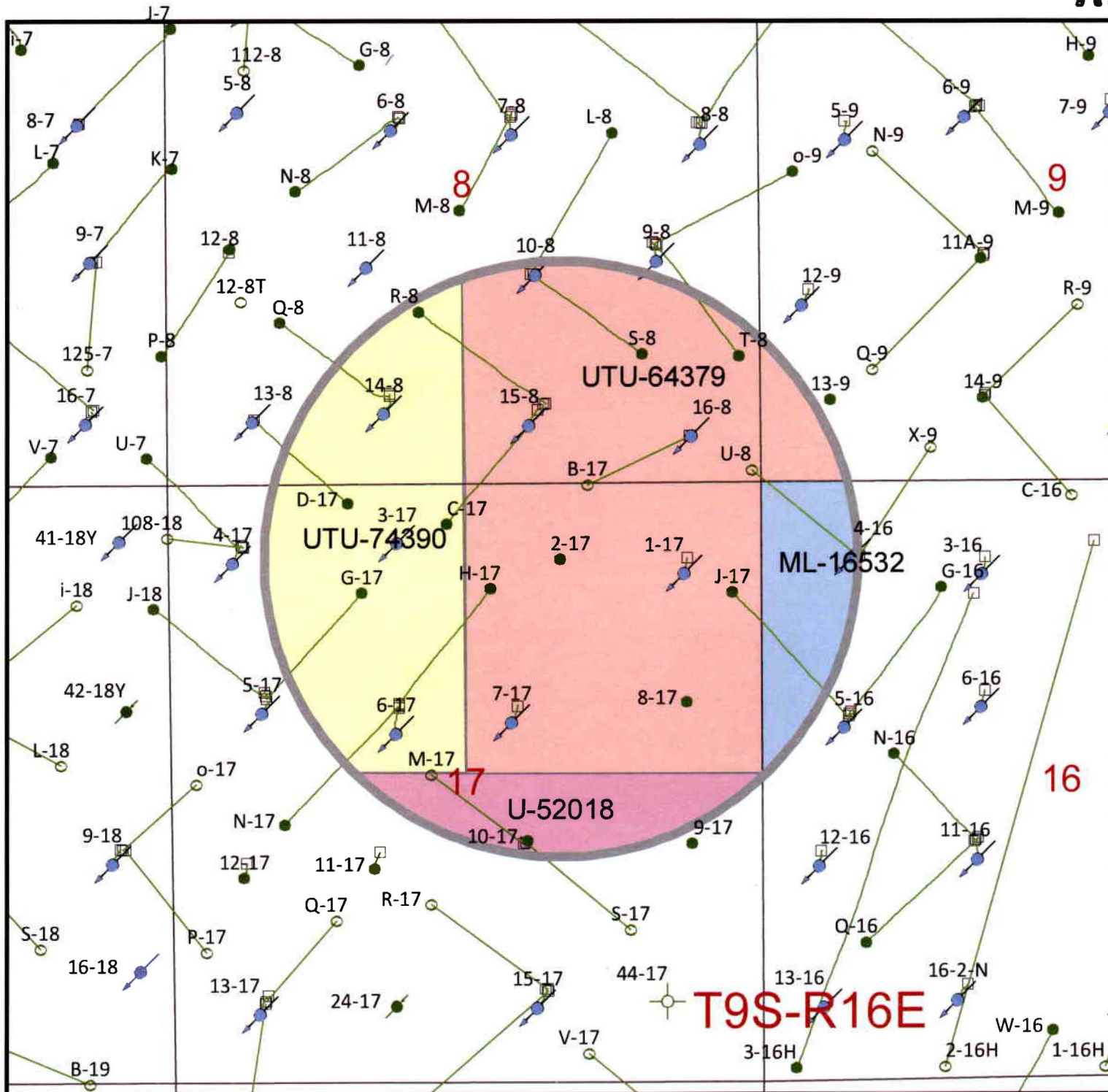
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.




Lease Number

- ML-16532
- U-52018
- UTU-64379
- UTU-74390

Well Status

- Half-Mile Buffer
- Location
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Water Disposal Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Federal 2-17-9-16
Section 17, T9S-R16E



NEWFIELD
ROCKY MOUNTAINS^{1 in = 1,250 feet}

1/2 Mile Radius Map
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

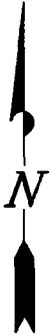
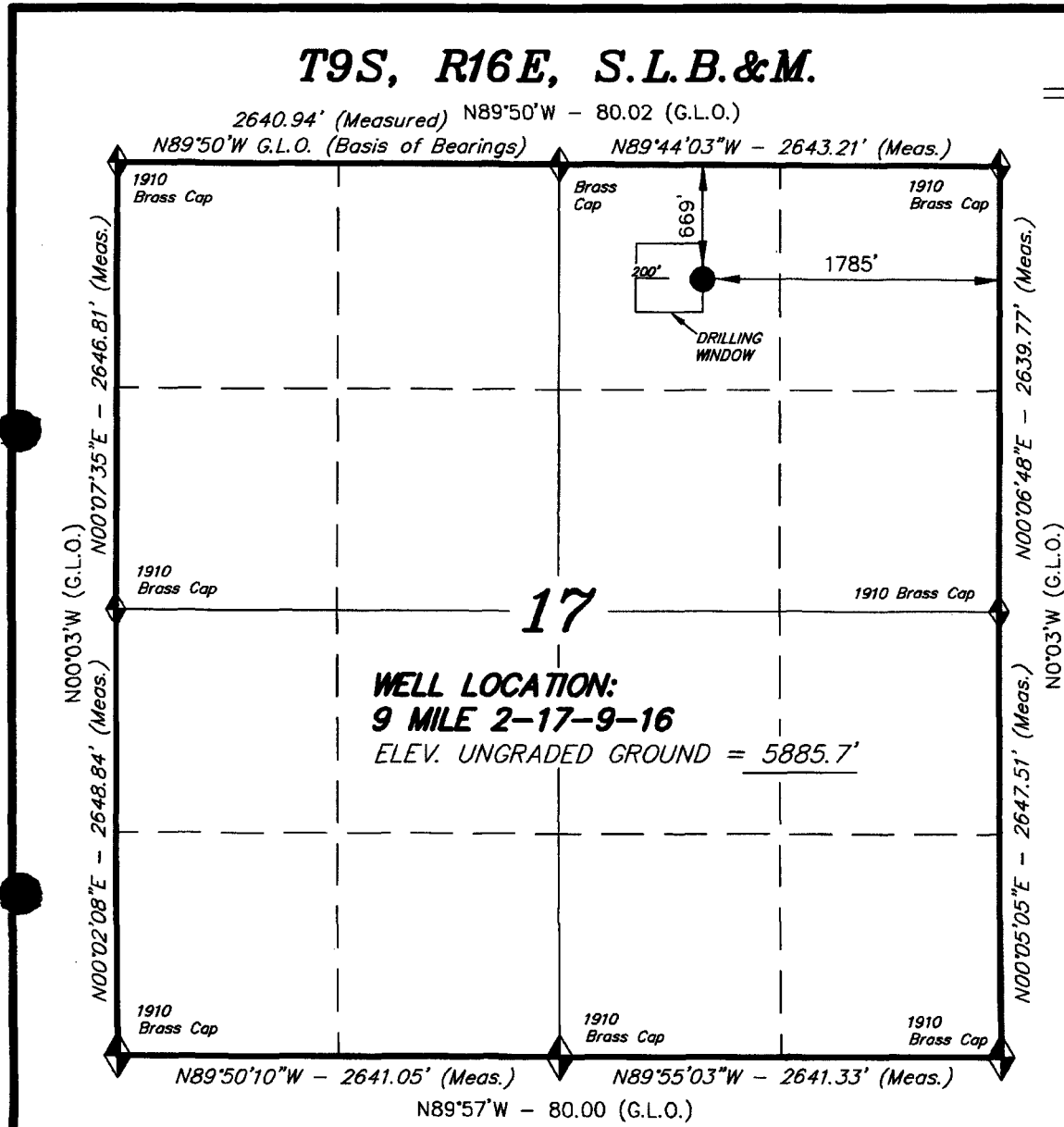
March 13, 2014

T9S-R16E

T9S, R16E, S.L.B.&M.

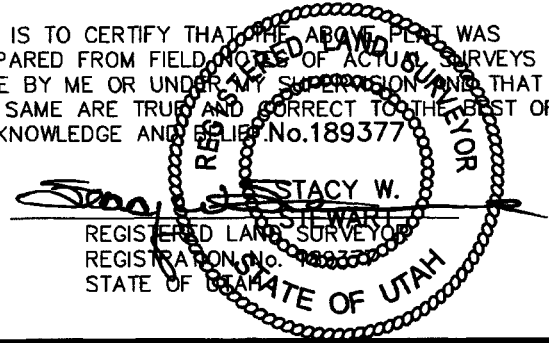
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 2-17-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 NE
 1/4 OF SECTION 17, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
9 MILE 2-17-9-16
 ELEV. UNGRADED GROUND = 5885.7'

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED
 BASIS OF ELEV;
 U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 2-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 10.84"
 LONGITUDE = 110° 08' 24.43"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 12-12-05	SURVEYED BY: K.S.
DATE DRAWN: 12-29-05	DRAWN BY: M.W.-
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 16: ALL	State of Utah ML 16532 HBP	QEP Energy Company El Paso E&P Company, LP Isramco Resources Inc Brave River Production Santa Fe Snyder Corporation Santa Fe Snyder Corporation Oxy USA Inc MYCO Industries Inc ABO Petroleum Corporation Yates Petroleum Corporation Newfield RMI LLC Newfield Production Company	State of Utah
2	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

4 T9S-R16E SLM
Section 6: All
Section 7: All
Section 8: W2
Section 17: NW
Section 18: NE, E2NW, Lot1,2

USA
UTU-74390
HBP

Newfield Production Company
Newfield RMI LLC
ABO Petroleum Corporation
MYCO Industries Inc
OXY Y-1 Company
Yates Petroleum Corporation

USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #2-17-9-16

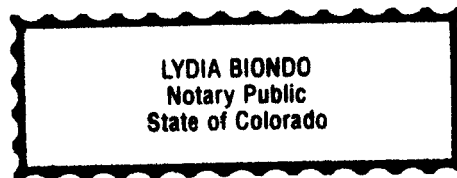
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Jill I. Loyle
Newfield Production Company
Jill I. Loyle
Regulatory Associate

Sworn to and subscribed before me this 4th day of June, 2014.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15



Federal 2-17-9-16

Spud Date: 08/29/06
 Put on Production: 10/10/06
 K.B.: 5898, G.L.: 5886

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.30')
 DEPTH LANDED: 323.15' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 3 bbls to surf.

PRODUCTION CASING

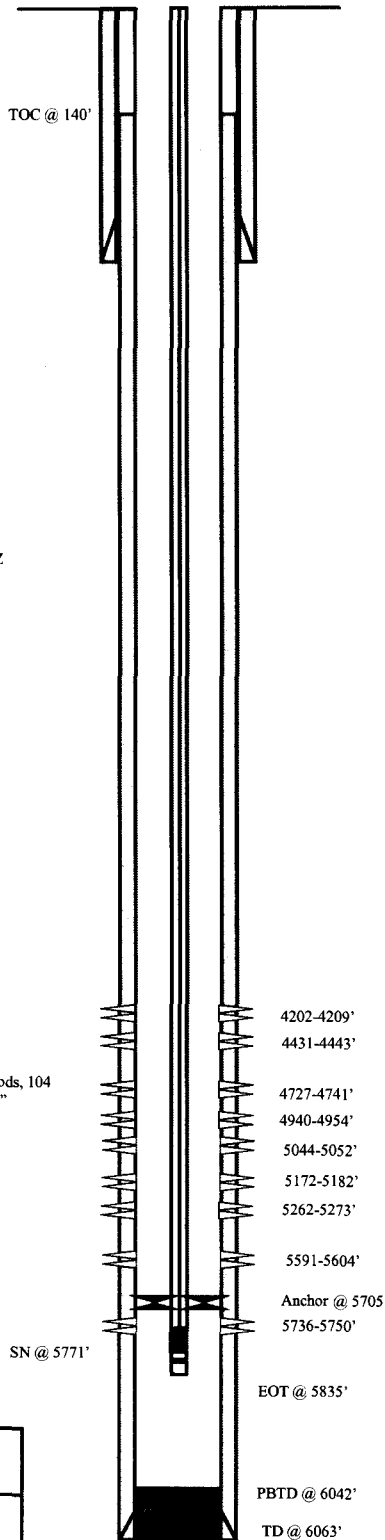
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6063.92')
 DEPTH LANDED: 6063.17' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP AT: 140' per CBL 9/30/06

TUBING (GI 3/19/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 180 jts (5692.6')
 TUBING ANCHOR: 5704.6' KB
 NO. OF JOINTS: 2 jts (63.23')
 SEATING NIPPLE: 2-7/8" (1.10")
 SN LANDED AT: 5770.63' KB
 NO. OF JOINTS: 2 jts (63.21')
 NOTCHED COLLAR: 2-7/8" (0.45')
 TOTAL STRING LENGTH: EOT @ 5835.39' KB

SUCKER RODS (GI 5/9/11)

POLISHED ROD: 1-1/2" x 26' SM
 SUCKER RODS: 4', 4', 4', 6', 8' x 3/4" pony rods, 99 x 3/4" guided rods, 104 x 3/4" sucker rods, 20 x 3/4" guided rods, 6 x 1-1/2" weight rods, 4' x 1" Stabilizer rod
 PUMP SIZE: 2-1/2" x 1-1/4" x 14' x 16' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4
 PUMPING UNIT: DARCO C-228-213-86



FRAC JOB

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10/04/06	4727-4741'	4 JSPF	56 holes
10/04/06	4431-4443'	4 JSPF	48 holes
10/04/06	4202-4209'	4 JSPF	28 holes

NEWFIELD

Federal 2-17-9-16

669' FNL & 1785' FEL

NW/NE Section 17-T9S-R16E

Duchesne Co, Utah

API #43-013-33029; Lease #UTU-64379

Federal 1-17-9-16

Spud Date: 9-13-06
 Put on Production: 11-15-06
 GL: 5878' KB: 5890'

Injection Wellbore Diagram

SURFACE CASING

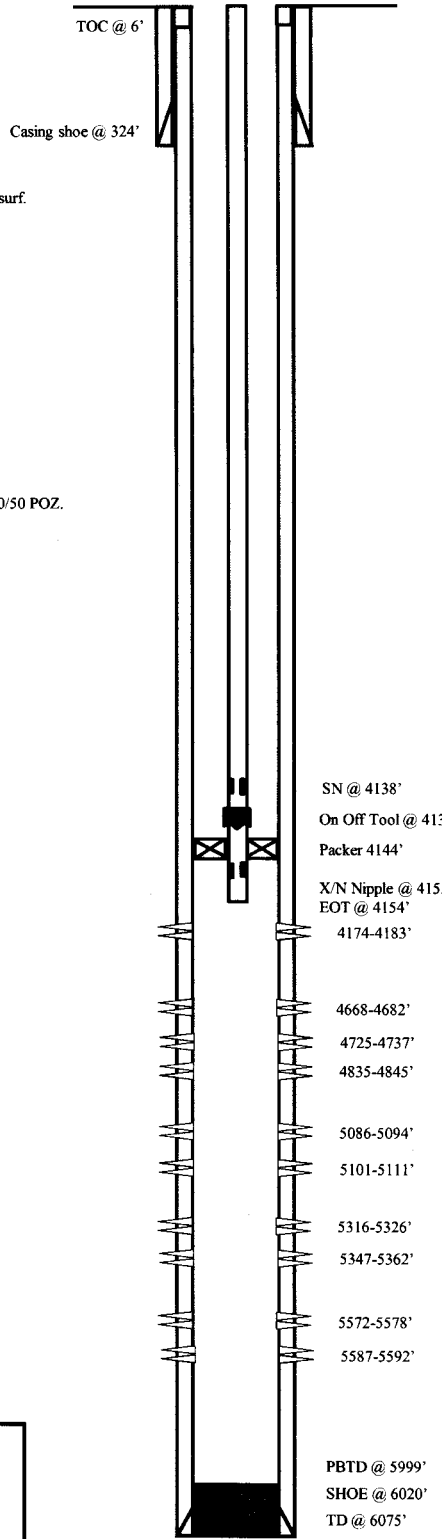
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.97')
 DEPTH LANDED: 323.82' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6007.66')
 DEPTH LANDED: 6020.91' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 6'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 136 jts (4126.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4138.3' KB
 ON/OFF TOOL AT: 4139.4'
 SEAL NIPPLE AT: 4140.8'
 ARROW #1 PACKER CE AT: 4144.47'
 XO 2-3/8 x 2-7/8 J-55 AT 4148.1'
 TBG PUP 2-3/8 N-80 AT: 4148.6'
 X/N NIPPLE AT: 4152.6'
 TOTAL STRING LENGTH: EOT @ 4154'



FRAC JOB

11-07-06 5572-5592' **Frac CP1 sands as follows:**
 25276# 20/40 sand in 354 bbls Lightning 17 frac fluid. Treated @ avg press of 2000 psi w/avg rate of 25.5 BPM. ISIP 2000 psi. Calc flush: 5107 gal. Actual flush: 5570 gal.

11-07-06 5316-5362' **Frac LODC sands as follows:**
 140563# 20/40 sand in 964 bbls Lightning 17 frac fluid. Treated @ avg press of 2425 psi w/avg rate of 25 BPM. ISIP 2450 psi. Calc flush: 4809 gal. Actual flush: 5314 gal.

11-08-06 5086-5111' **Frac A 1 sands as follows:**
 90538# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of psi w/avg rate of BPM. ISIP 2190 psi. Calc flush: 4578 gal. Actual flush: 5084 gal.

11-08-06 4835-4845' **Frac C sands as follows:**
 30222# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 w/avg rate of 25.5 BPM. ISIP 2060 psi. Calc flush: 4368 gal. Actual flush: 4833 gal.

11-08-06 4668-4737' **Frac D1, & D2 sands as follows:**
 80170# 20/40 sand in 587 bbls Lightning 17 frac fluid. Treated @ avg press of 1932 w/avg rate of 25.5 BPM. ISIP 2090 psi. Calc flush: 4162 gal. Actual flush: 4666 gal.

11-08-06 4174-4183' **Frac GB4 sands as follows:**
 27661# 20/40 sand in 296 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 w/avg rate of 25.3 BPM. ISIP 1818 psi. Calc flush: 4032 gal. Actual flush: 4172 gal.

4/13/11 **Tubing leak.** Updated rod & tubing detail.
 9/14/12 **Convert to Injection well**
 9/18/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
11-01-06	5587-5592'	4 JSPF	20 holes
11-01-06	5572-5578'	4 JSPF	24 holes
11-07-06	5347-5362'	4 JSPF	60 holes
11-07-06	5316-5326'	4 JSPF	40 holes
11-07-06	5101-5111'	4 JSPF	40 holes
11-07-06	5086-5094'	4 JSPF	32 holes
11-08-06	4835-4845'	4 JSPF	40 holes
11-08-06	4725-4737'	4 JSPF	48 holes
11-08-06	4668-4682'	4 JSPF	56 holes
11-08-06	4174-4183'	4 JSPF	36 holes

NEWFIELD

Federal 1-17-9-16

660' FNL & 660' FEL

NE/NE Section 17-T9S-R16E

Duchesne Co, Utah

API # 43-013-33028; Lease # UTU-64379

Federal 7-17-9-16

Spud Date: 8-26-06
 Put on Production: 10-5-06
 GL: 5941' KB: 5953'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.66')
 DEPTH LANDED: 322.51' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6031.04')
 DEPTH LANDED: 6044.29' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 525 sxs 50/50 POZ.
 CEMENT TOP AT: 65'

TUBING

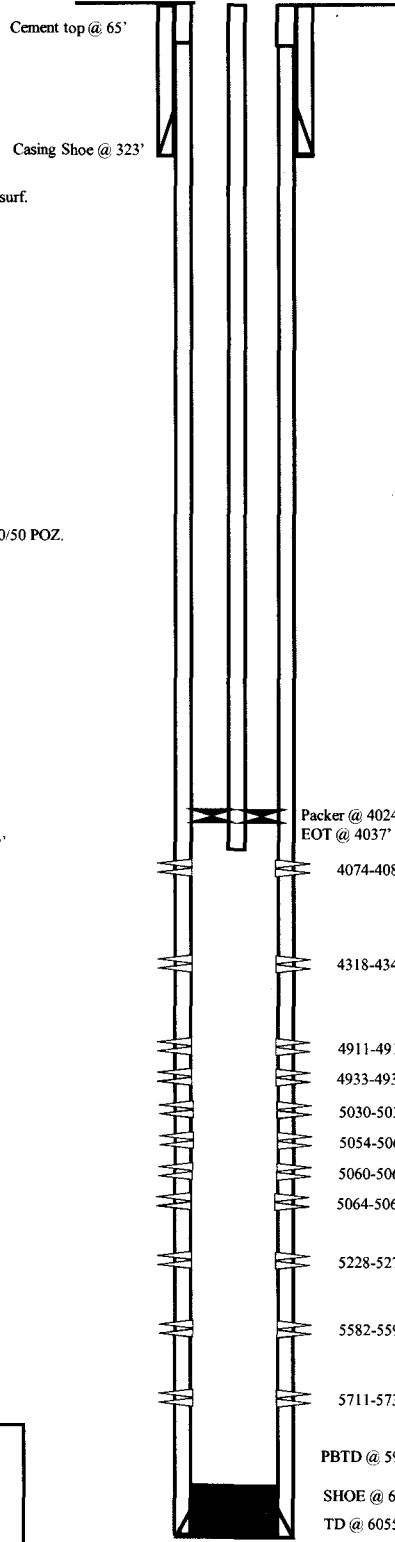
SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#
 NO. OF JOINTS: 127 jts (4009.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4021.0' KB
 ON/OFF TOOL AT: 4022.1'
 PACKER 5-1/2" AS1X w/1.875 "X" seal nipple AT: 4023.9'
 XO AT: 4030.9'
 TBG PUP 2-3/8" J-55 AT4031.4'
 XN NIPPLE 2-3/8" AT: 4035.5'
 TOTAL STRING LENGTH: EOT @ 4037'

PERFORATION RECORD

Date	Well ID	Tool	Holes
09-20-06	5711-5736'	4 JSPF	100 holes
09-28-06	5582-5594'	4 JSPF	48 holes
09-28-06	5228-5270'	4 JSPF	84 holes
09-28-06	5030-5038'	4 JSPF	32 holes
09-28-06	4933-4938'	4 JSPF	20 holes
09-28-06	4911-4917'	4 JSPF	24 holes
09-29-06	4318-4340'	4 JSPF	88 holes
09-29-06	4074-4080'	4 JSPF	24 holes
08-29-12	5064-5065'	3 JSPF	3 holes
08-29-12	5060-5061'	3 JSPF	3 holes
08-29-12	5054-5055'	3 JSPF	3 holes

FRAC JOB

09-28-06	5711-5736'	Frac CP3 sands as follows: 60051# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.6 BPM. ISIP 2010 psi. Calc flush: 5709 gal. Actual flush: 5208 gal.
09-28-06	5582-5594'	Frac CPI sands as follows: 34140# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 1965 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc flush: 5580 gal. Actual flush: 5053 gal.
09-28-06	5228-5270'	Frac LODC sands as follows: 119568# 20/40 sand in 828 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 25.3 BPM. ISIP 2420 psi. Calc flush: 5226 gal. Actual flush: 4713 gal.
09-28-06	5030-5038'	Frac A1 sands as follows: 28464# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 2205 w/ avg rate of 25 BPM. ISIP 2340 psi. Calc flush: 5028 gal. Actual flush: 4536 gal.
09-29-06	4911-4938'	Frac B2, & B1 sands as follows: 29823# 20/40 sand in 349 bbls Lightning 17 frac fluid. Treated @ avg press of 1850 w/ avg rate of 25.2 BPM. ISIP 1815 psi. Calc flush: 4909 gal. Actual flush: 4326 gal.
09-29-06	4318-4340'	Frac PB7 sands as follows: 73425# 20/40 sand in 552 bbls Lightning 17 frac fluid. Treated @ avg press of 2830 w/ avg rate of 24.9 BPM. ISIP 3290 psi. Calc flush: 4316 gal. Actual flush: 3822 gal.
09-29-06	4074-4080'	Frac CB2 sands as follows: 20053# 20/40 sand in 289 bbls Lightning 17 frac fluid. Treated @ avg press of 1945 w/ avg rate of 25 BPM. ISIP 1770 psi. Calc flush: 4072 gal. Actual flush: 3990 gal.
03-17-08		Major Workover
03-14-08	5030'-5038'	Acidize and Squeeze A1 sands as follows: pump 7 bbls techni-hib 767, 4 drms acid ave pump press @ 1816psi @ 2.2 BPM. ISIP @ 2100psi.
03-14-08	5228'-5270'	Acidize LODC sand as follows: 20 bbls techni-hib 767, 8 drms acid ave pump press 2128psi @ 4.3 BPM. ISIP @ 2000psi
03-14-08	5582'-5594'	Acidize CPI sands as follows: 20 bbls techni-hib, 5 drms acid. Ave pump press @ 2585psi @ 2.7 BPM. ISIP @ 2058psi
03-14-08	5711'-5736'	Acidize CP3 sands as follows: 20 bbls techni-hib, 8 drms acid. Ave pump press @ 2307psi @ 3.9 BPM. ISIP @ 1655psi
02-15-07	4933-4938'	Pump Change: Update rod and tubing details.
04-13-07	5030-5038'	Tubing Leak: Updated rod and tubing detail.
7-18-07	5054-5065'	Tubing Leak: Updated rod & tubing detail.
1/12/09	5060-5061'	Tubing Leak: Updated rod & tubing details.
8/26/09	5064-5065'	Tubing Leak: Updated rod & tubing details.
9/22/2010		Major Workover. Update rod and tubing details
1/27/2011	5228-5270'	Tubing Leak. Update rod and tubing details
08/31/12	5054-5065'	Frac A3 sands as follows: 26408# 20/40 sand in 274bbls Lightning 17 frac fluid.
09/07/12		Convert to Injection Well
09/10/12		Conversion MIT Finalized - update tbg detail
	PBTD @ 5992'	
	SHOE @ 6044'	
	TD @ 6055'	



NEWFIELD



Federal 7-17-9-16
 1974' FNL & 2179' FEL
 SW/NE Section 17-T9S-R16E
 Duchesne Co. Utah
 API # 43-013-33030; Lease # UTU-64379

Federal 8-17-9-16

Spud Date: 09/12/06
Put on Production: 11/09/06

K.B.: 5918, G.L.: 5906

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.03')
DEPTH LANDED: 323.45' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts. (6032.95')
DEPTH LANDED: 6046.20' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 10'

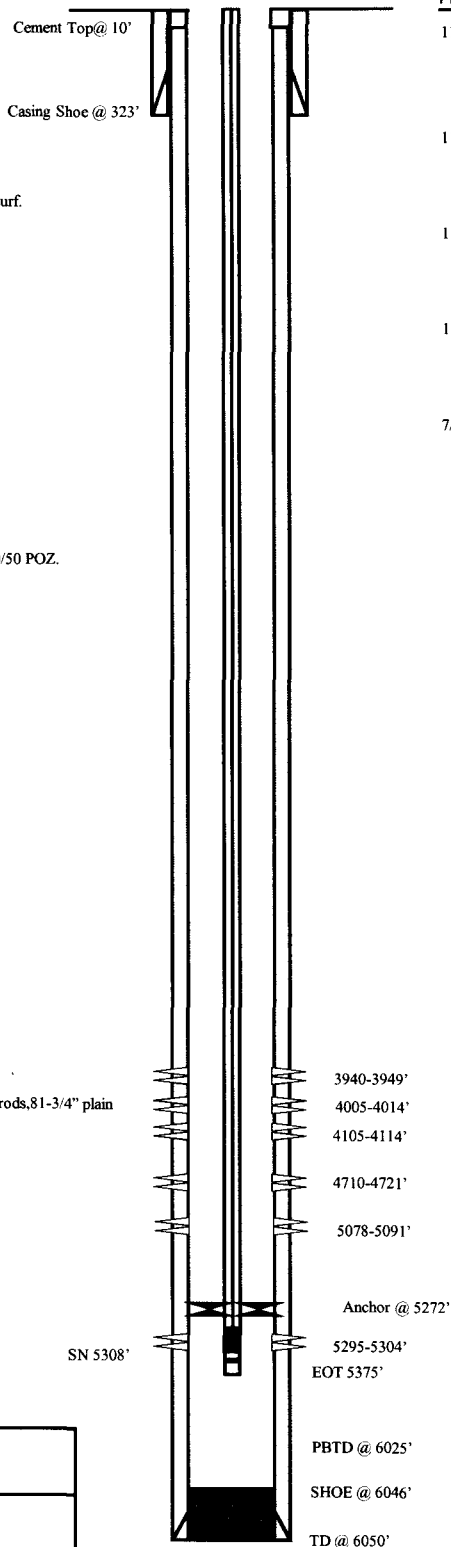
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 164 jts (5260.26')
TUBING ANCHOR: 5272.26' KB
NO. OF JOINTS: 1 jts (32.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5307.56' KB
NO. OF JOINTS: 2 jts (66.03')
TOTAL STRING LENGTH: EOT @ 5375.14' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 2-4' x 3/4" pony rod, 92-3/4" guided rods, 81-3/4" plain rods, 30-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger
STROKE LENGTH: 84"
PUMP SPEED, 5 SPM:

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

11/06/06	5295-5304'	Frac LODC sands as follows: 30252# 20/40 sand in 392 bbls Lightning 17 frac fluid. Treated @ avg press of 3045 psi w/avg rate of 24.9 BPM. ISIP 2580 psi. Calc flush: 5302 gal. Actual flush: 4767 gal.
11/06/06	4710-4721'	Frac C sands as follows: 41525# 20/40 sand in 417 bbls Lightning 17 frac fluid. Treated @ avg press of 1996 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc flush: 4719 gal. Actual flush: 4204 gal.
11/06/06	4105-4114'	Frac GB4 sands as follows: 21385# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1809 psi w/avg rate of 25.8 BPM. ISIP 1610 psi. Calc flush: 4112 gal. Actual flush: 3637 gal.
11/06/06	3940-4014'	Frac GB2 sands as follows: 68288# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1782 psi w/avg rate of 25.3 BPM. ISIP 1505 psi. Calc flush: 4012 gal. Actual flush: 3822 gal. HIT. Rod & tubing updated.
7/23/08		

PERFORATION RECORD

10/25/06	5295-5304'	4 JSPF	36 holes
11/06/06	5078-5091'	4 JSPF	52 holes
11/06/06	4710-4721'	4 JSPF	44 holes
11/06/06	4105-4114'	4 JSPF	36 holes
11/06/06	3940-3949'	4 JSPF	36 holes

NEWFIELD

Federal 8-17-9-16

1944' FNL & 675' FEL

SE/NE Section 17-T9S-R16E

Duchesne Co, Utah

API #43-013-33031; Lease #UTU-64379

NEWFIELD



Schematic

43-013-33033

Well Name: Federal 10-17-9-16

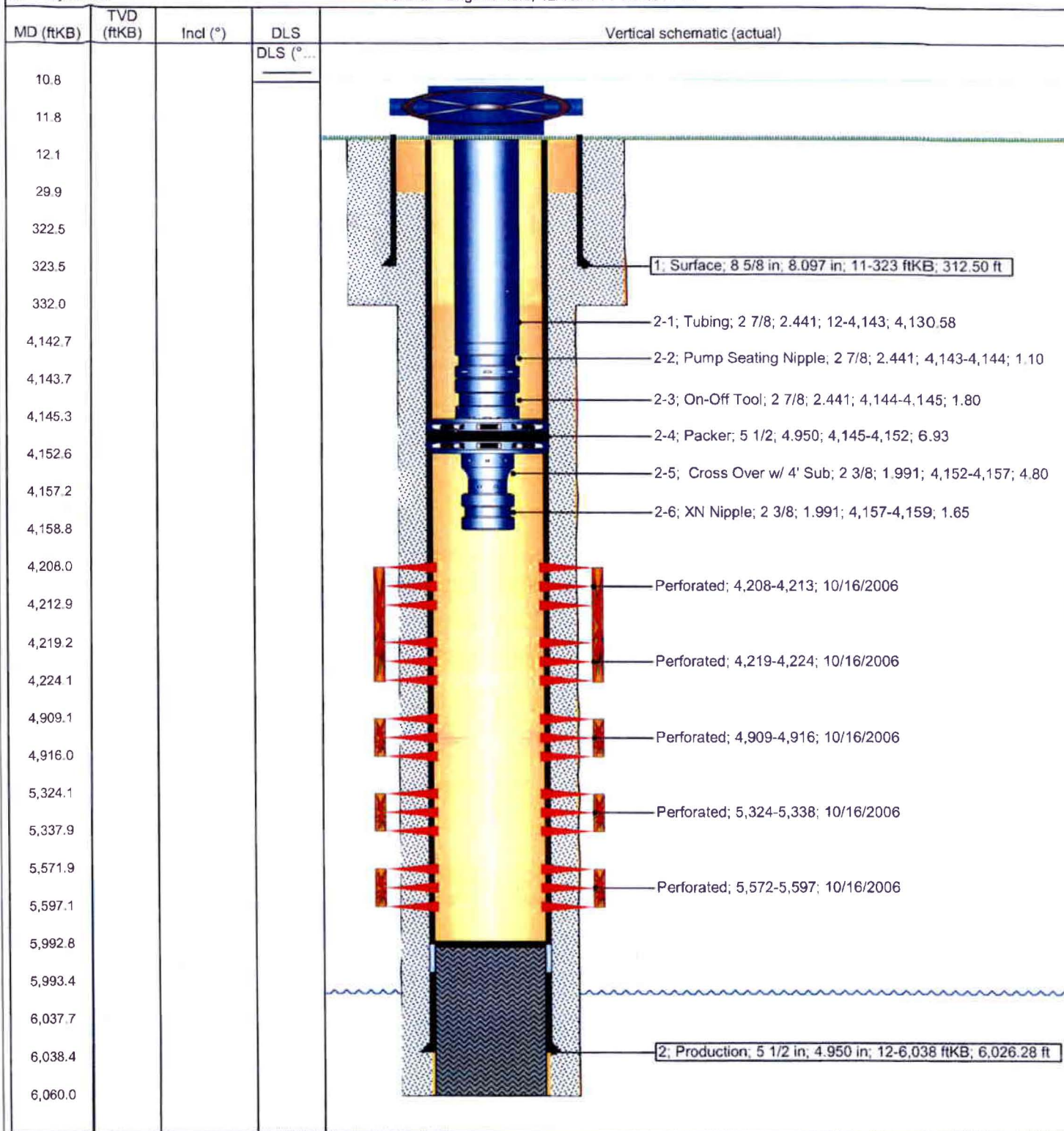
Surface Legal Location 17-9S-16E		AP/UWI 43013330330000	Well RC 500155828	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 9/1/2006	Rig Release Date	On Production Date 10/20/2006	Original KB Elevation (ft) 6,007	Ground Elevation (ft) 5,995	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,992.7	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/18/2014	Job End Date 3/25/2014
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TD: 6,060.0

Vertical - Original Hole, 12/15/2014 1:51:01 PM



FEDERAL 10-8-9-16

Spud Date: 1/10/07
 Put on Production: 03/20/07
 GL: 5883' KB: 5895'

Injection Wellbore Diagram

SURFACE CASING

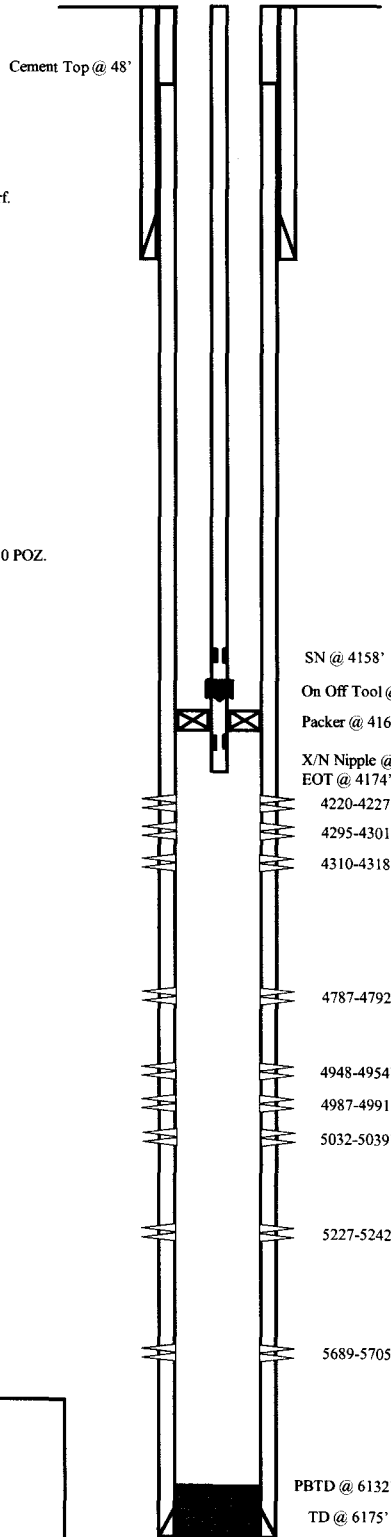
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (291.07')
 DEPTH LANDED: 302.92' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (6164.87')
 DEPTH LANDED: 6178.12' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 133 jts (4146')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4158' KB
 ON/OFF TOOL AT: 4159.1'
 ARROW #1 PACKER CE AT: 4164.3'
 XO 2-3/8 x 2-7/8 J-55 AT: 4167.9'
 TBG PUP 2-3/8 J-55 AT: 4168.4'
 X/N NIPPLE AT: 4172.5'
 TOTAL STRING LENGTH: EOT @ 4174.34'




FRAC JOB

Date	Well ID	Fracturing Details
03/14/07	5689-5705'	Frac C1 sands as follows: 70351# 20/40 sand in 534 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 psi w/avg rate of 25.3 BPM. ISIP 1865 psi. Calc flush: 5225 gal. Actual flush: 4746 gal.
02/26/07	5227-5242'	Frac A1 sands as follows: 70779# 20/40 sand in 576 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 25.3 BPM. ISIP 2700 psi. Calc flush: 5225 gal. Actual flush: 4746 gal.
03/15/07	4948-5039'	Frac C & B1 sands as follows: 60243# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1637 psi w/avg rate of 25.2 BPM. ISIP 1750 psi. Calc flush: 5037 gal. Actual flush: 4444 gal.
03/15/07	4787-4792'	Frac D1 sands as follows: 14960# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 25.3 BPM. ISIP 1740 psi. Calc flush: 4785 gal. Actual flush: 4240 gal.
03/15/07	4295-4318'	Frac GB6 sands as follows: 40023# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 1617 psi w/avg rate of 14.7 BPM. ISIP 2025 psi. Calc flush: 4316 gal. Actual flush: 3822 gal.
03/01/07	4220-4227'	Frac GB4 sands as follows: 23024# 20/40 sand in 251 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 psi w/avg rate of 25.2 BPM. ISIP 2030 psi. Calc flush: 4218 gal. Actual flush: 4116 gal.
11-30-07		Pump Change. Updated rod & tubing details.
2/22/08		Pump change. Updated rod & tubing details.
3/23/09		Pump change. Updated r & t details.
10/8/09		Parted rods. Updated rod & tubing details.
1/23/2010		Tubing Leak. Update rod and tubing details.
09/17/13		Convert to Injection Well
09/19/13		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Well ID	JSPF	Holes
03/07/07	5689-5705'	4 JSPF	64 holes
03/14/07	5227-5242'	4 JSPF	60 holes
03/14/07	5032-5039'	4 JSPF	28 holes
03/14/07	4987-4991'	4 JSPF	16 holes
03/14/07	4948-4954'	4 JSPF	24 holes
03/14/07	4787-4792'	4 JSPF	20 holes
03/15/07	4310-4318'	4 JSPF	32 holes
03/15/07	4295-4301'	4 JSPF	24 holes
03/15/07	4220-4227'	4 JSPF	28 holes

NEWFIELD



FEDERAL 10-8-9-16
 1837'FSL & 1994' FEL
 NW/SE Section 8-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33059; Lease # UTU-64379

Federal 15-8-9-16

Spud Date: 01/11/07
 Put on Production: 03/09/07
 K.B.: 5934, G.L.: 5922

Injection Wellbore Diagram

SURFACE CASING

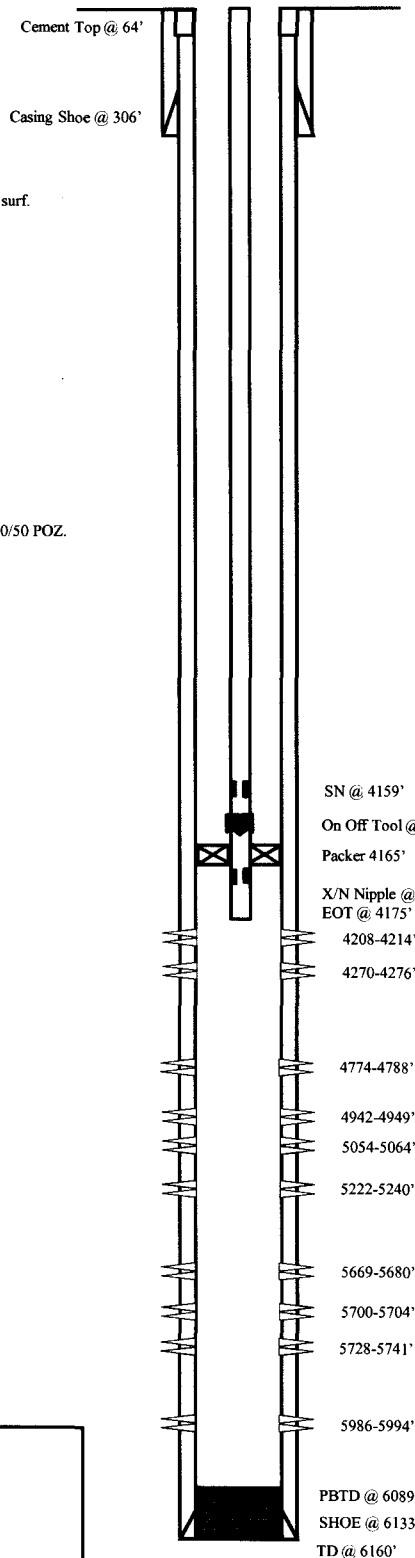
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (294.01')
 DEPTH LANDED: 305.86' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (6120.05')
 DEPTH LANDED: 6133.30' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 64'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 131 jts (4146.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4158.8' KB
 ON/OFF TOOL AT: 4159.9'
 ARROW #1 PACKER CE AT: 4165.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4168.8'
 TBG PUP 2-3/8 J-55 AT: 4169.4'
 X/N NIPPLE AT: 4173.5'
 TOTAL STRING LENGTH: EOT @ 4175'



FRAC JOB

03/02/07 5986-5994' **Frac CP5 sands as follows:**
 20494# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 2232 psi w/avg rate of 24.9 BPM. ISIP 2044 psi. Calc flush: 5992 gal. Actual flush: 5477 gal.

03/02/07 5669-5741' **Frac CP1,CP2 sands as follows:**
 80764# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 1494 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 5739 gal. Actual flush: 5124 gal.

03/02/07 5222-5240' **Frac A1 sands as follows:**
 161764# 20/40 sand in 1071 bbls Lightning 17 frac fluid. Treated @ avg press of 1500 psi w/avg rate of 24.9 BPM. ISIP 1944 psi. Calc flush: 5238 gal. Actual flush: 5250 gal.

03/05/07 5054-5064' **Frac B2 sands as follows:**
 29798# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 1628 psi w/avg rate of 25.2 BPM. ISIP 1839 psi. Calc flush: 5062 gal. Actual flush: 4578 gal.

03/06/07 4942-4949' **Frac C sands as follows:**
 29152# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2111 psi w/avg rate of 24.9 BPM. ISIP 1839psi. Calc flush: 4947 gal. Actual flush: 4452 gal.

03/06/07 4774-4788' **Frac D1 sands as follows:**
 79970# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1620 psi w/avg rate of 25.1 BPM. ISIP 2065 psi. Calc flush: 4786 gal. Actual flush: 4242 gal.

03/06/07 4208-4276' **Frac GB2, GB4 sands as follows:**
 42220# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 4274 gal. Actual flush: 4116 gal.

2/24/09 **Pump Change.** Updated rod & tubing details.

11/25/09 **Parted rods.** Updated rod and tubing detail

9/7/2010 **Parted rods.** Updated rod and tubing detail.


10/1/2010 **Pump change.** Updated rod and tubing detail.

10/19/12 **Convert to Injection Well**

10/22/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Depth Range	Tool	Holes
02/21/07	5986-5994'	4 JSPF	32 holes
03/02/07	5728-5741'	4 JSPF	52 holes
03/02/07	5700-5704'	4 JSPF	16 holes
03/02/07	5669-5680'	4 JSPF	44 holes
03/02/07	5222-5240'	4 JSPF	72 holes
03/02/07	5054-5064'	4 JSPF	40 holes
03/05/07	4942-4949'	4 JSPF	28 holes
03/06/07	4774-4788'	4 JSPF	56 holes
03/06/07	4270-4276'	4 JSPF	24 holes
03/06/07	4208-4214'	4 JSPF	24 holes



Federal 15-8-9-16
 703' FSL & 1952' FEL
 SW/SE Section 8-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33060; Lease #UTU-64379

Federal 16-8-9-16

Spud Date: 02/06/07
 Put on Production: 03/21/07
 K.B.: 5876, G.L.: 5864

Injection Wellbore Diagram

SURFACE CASING

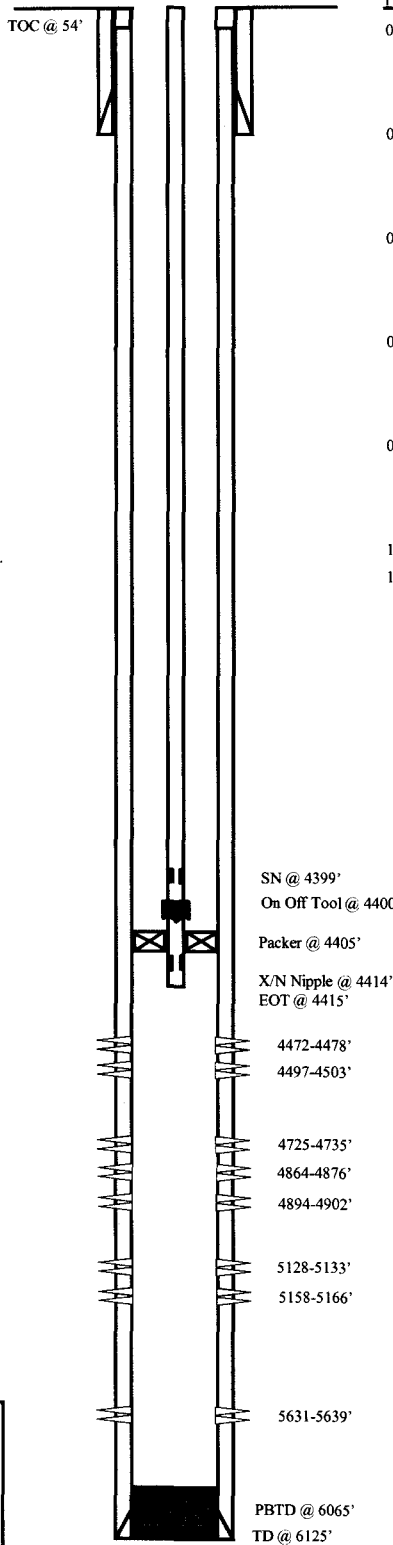
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (308.18')
 DEPTH LANDED: 320.03' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6054.21')
 DEPTH LANDED: 6104.47' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 301 sxs Prem. Lite II mixed & 449 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 139 jts (4386.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4398.6' KB
 ON/OFF TOOL AT: 4399.7'
 ARROW #1 PACKER CE AT: 4405.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4409'
 TBG PUP 2-3/8 J-55 AT: 4409.5'
 X/N NIPPLE AT: 4413.7'
 TOTAL STRING LENGTH: EOT @ 4415.24'



FRAC JOB

03/13/07 5627-5732' **Frac CP2, sands as follows:**
 26883# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2479 psi w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc flush: 5730 gal. Actual flush: 5124 gal.

03/13/07 5128-5166' **Frac A3 sands as follows:**
 24821# 20/40 sand in 347bbls Lightning 17 frac fluid. Treated @ avg press of 2094psi w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc flush: 5164 gal. Actual flush: 4624 gal.

03/13/07 4864-4902' **Frac C sands as follows:**
 95479# 20/40 sand in 684 bbls Lightning 17 frac fluid. Treated @ avg press of 1795 psi w/avg rate of 25.2 BPM. ISIP 2133 psi. Calc flush: 4900 gal. Actual flush: 4364 gal.

03/13/07 4725-4735' **Frac D1 sands as follows:**
 45323# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg press of 1834 psi w/avg rate of 25.2 BPM. ISIP 2100 psi. Calc flush: 4733 gal. Actual flush: 4204 gal.

03/13/07 4472-4503' **Frac PB10, PB11 sands as follows:**
 22086# 20/40 sand in 270 bbls Lightning 17 frac fluid. Treated @ avg press of 2550 psi w/avg rate of 25.3 BPM. ISIP 2425 psi. Calc flush: 4501 gal. Actual flush: 4368 gal.

11/12/13 **Convert to Injection Well**
 11/13/13 **Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

Date	Interval	Tool	Holes
03/01/07	5631-5639'	4 JSPF	32 holes
03/13/07	5158-5166'	4 JSPF	32 holes
03/13/07	5128-5133'	4 JSPF	20 holes
03/13/07	4894-4902'	4 JSPF	32 holes
03/13/07	4864-4876'	4 JSPF	48 holes
03/13/07	4725-4735'	4 JSPF	40 holes
03/13/07	4497-4503'	4 JSPF	24 holes
03/13/07	4472-4478'	4 JSPF	24 holes

NEWFIELD

Federal 16-8-9-16
 418' FSL & 629' FEL
 SE/SE Section 8-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33061; Lease #UTU-64379

West Point 14-8-9-16

Spud Date: 12/13/2001
 Put on Production: 1/15/2002
 GL: 5959' KB: 5969'

Initial Production: 78 BOPD,
 90 MCFD, 10 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

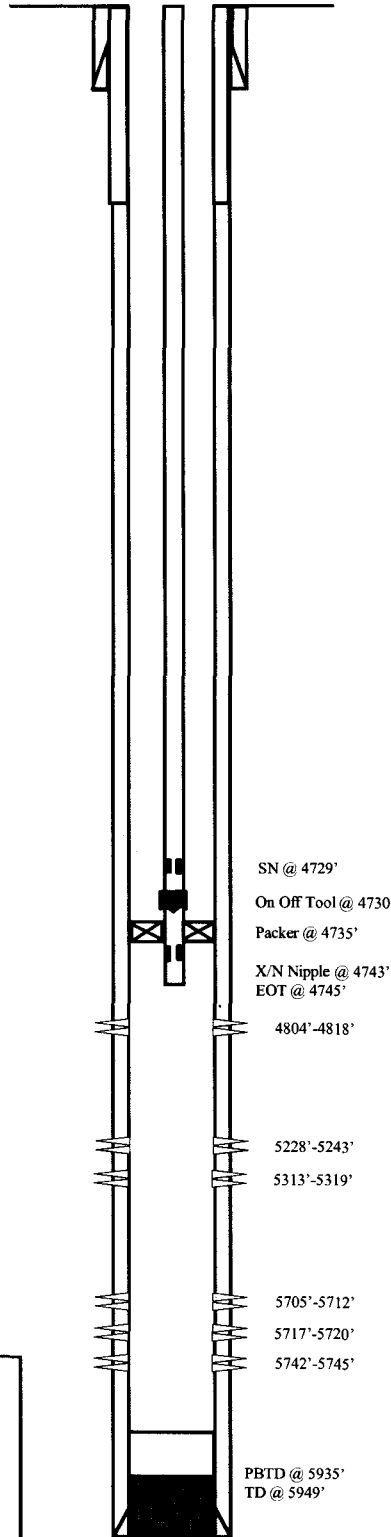
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (310.63')
 DEPTH LANDED: 318.63'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 2 bbls cmt to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 142 jts. (5957.29')
 DEPTH LANDED: 5954.79'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 1100' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 145 jts (4719')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4729' KB
 ON/OFF TOOL AT: 4730.1'
 ARROW #1 PACKER CE AT: 4735.3'
 XO 2-3/8 x 2-7/8 J-55 AT: 4738.9'
 TBG PUP 2-3/8 J-55 AT: 4739.4'
 X/N NIPPLE AT: 4743.5'
 TOTAL STRING LENGTH: EOT @ 4745.35'



FRAC JOB

1/10/02 5707'-5745' **Frac CP-3 sand as follows:**
 26,000# 20/40 sand in 297 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25 BPM. ISIP 1980 psi. Calc. flush: 5707 gal., Act. flush: 5628 gal.

1/10/02 5228'-5319' **Frac A-3 sand as follows:**
 60,000# 20/40 sand in 483 bbls Viking I-25 fluid. Treated @ avg press of 2300 psi w/avg rate of 25 BPM. ISIP 2085 psi. Calc. flush: 5228 gal., Act. flush: 5166 gal.

1/10/02 4804'-4818' **Frac D-1 sand as follows:**
 60,680# 20/40 sand in 486 bbls Viking I-25 fluid. Treated @ avg press of 1775 psi w/avg rate of 25 BPM. ISIP 2060 psi. Calc. flush: 4804 gal., Act. flush: 4707 gal.

07/11/06 **Pump Change.** Update rod and tubing details.

3/25/11 **Pump Change.** Updated rod & tubing details.


8/12/11 **Pump Change.** Updated rod & tubing details.

09/19/13 **Convert to Injection Well**

09/24/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
1/08/02	5742'-5745'	4 JSPF	12 holes
1/08/02	5717'-5720'	4 JSPF	12 holes
1/08/02	5705'-5712'	4 JSPF	20 holes
1/10/02	5313'-5319'	4 JSPF	24 holes
1/10/02	5228'-5243'	4 JSPF	60 holes
1/10/02	4804'-4818'	4 JSPF	56 holes



West Point 14-8-9-16
 809' FSL & 1999' FWL
 SESW Section 8-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32288; Lease #UTU-74390

West Point #3-17-9-16

Spud Date: 11/12/2001
 Put on Production: 7/16/02
 GL: 5995' KB: 6005'

Initial Production: 97 BOPD,
 311 MCFD, 27 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (290.19')
 DEPTH LANDED: 300.04' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5924.13')
 DEPTH LANDED: 5921.73' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 360' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 128 jts (4137.93')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4147.97' KB
 PACKER AT: 4147.93'
 TOTAL STRING LENGTH: EOT @ 4156.38' KB

FRAC JOB

7/09/02 5180'-5386' **Frac A3/LODC sands as follows:**
 59,987# 20/40 sand in 468 bbls Viking I-25 fluid. Treated @ avg press of 2275 psi w/avg rate of 26.2 BPM. Screened out w/ 54,387# sand in formation and 5,600# sand in casing. Calc flush: 5180 gal. Actual flush: 4158 gal. ISIP 3000 psi.

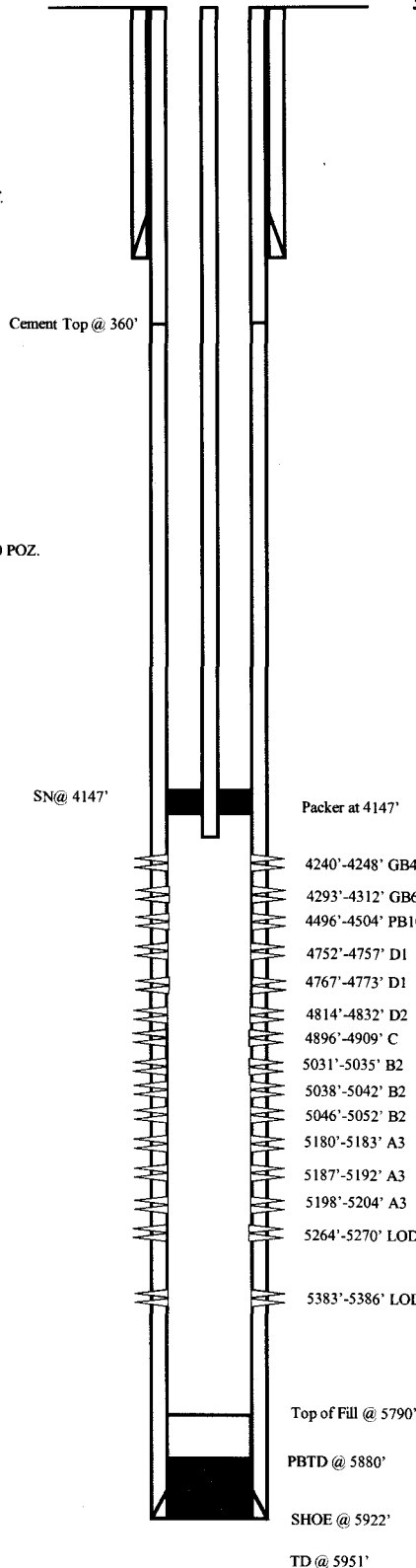
7/12/02 4896'-5052' **Frac C/B2 sands as follows:**
 59,386# 20/40 sand in 479 bbls Viking I-25 fluid. Treated @ avg press of 1650 psi w/avg rate of 28 BPM. ISIP 1980 psi. Calc flush: 4896 gal. Actual flush: 4851 gal.

7/12/02 4752'-4832' **Frac D1/D2 sands as follows:**
 92,116# 20/40 sand in 656 bbls Viking I-25 fluid. Treated @ avg press of 1790 psi w/avg rate of 28 BPM. ISIP 2130 psi. Calc flush: 4752 gal. Actual flush: 4662 gal.

7/12/02 4496'-4504' **Frac PB10 sands as follows:**
 25,900# 20/40 sand in 271 bbls Viking I-25 fluid. Treated @ avg press of 2525 psi w/avg rate of 25.5 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4410 gal.

7/12/02 4240'-4312' **Frac GB4/GB6 sands as follows:**
 60,856# 20/40 sand in 462 bbls Viking I-25 fluid. Treated @ avg press of 1775 psi w/avg rate of 25.5 BPM. ISIP 1950 psi. Calc flush: 4240 gal. Actual flush: 4158 gal.

2/28/05 **Injection Conversion**
 6/3/06 **Well Recompleted.**
 7/1/06 **MIT completed and submitted.**



PERFORATION RECORD

Date	Depth Range	Tool	Holes
7/09/09	5383'-5386'	4 JSPF	12 holes
7/09/09	5264'-5270'	4 JSPF	24 holes
7/09/09	5198'-5204'	4 JSPF	24 holes
7/09/09	5187'-5192'	4 JSPF	20 holes
7/09/09	5180'-5183'	4 JSPF	12 holes
7/12/09	5046'-5052'	4 JSPF	24 holes
7/12/09	5038'-5042'	4 JSPF	16 holes
7/12/09	5031'-5035'	4 JSPF	16 holes
7/12/09	4896'-4909'	4 JSPF	52 holes
7/12/09	4814'-4832'	4 JSPF	72 holes
7/12/09	4767'-4773'	4 JSPF	24 holes
7/12/09	4752'-4757'	4 JSPF	20 holes
7/12/09	4496'-4504'	4 JSPF	32 holes
7/12/09	4293'-4312'	4 JSPF	76 holes
7/12/09	4240'-4248'	4 JSPF	32 holes

NEWFIELD

West Point #3-17-9-16
 522' FNL & 2053' FWL
 NENW Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32278; Lease #UTU-74390

West Point 6-17-9-16

Spud Date: 4/11/02
 Put on Production: 8/12/02
 GL: 6005' KB: 6015'

Initial Production: 52 BOPD,
 52 MCFD, 14 BWPD

Injection Wellbore Diagram

SURFACE CASING

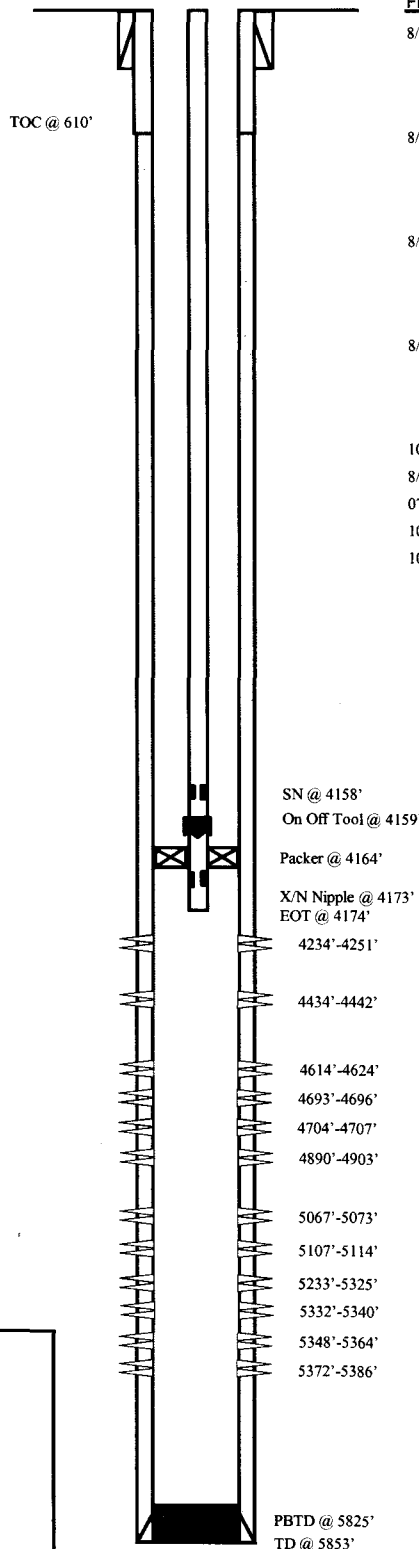
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (298.85')
 DEPTH LANDED: 306.85'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, circ 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131jts (5853.63')
 DEPTH LANDED: 5851.23'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs Premlite II & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 610' per CBL 8/5/02

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 128 jts (4148.2')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4158.2' KB
 ON/OFF TOOL AT: 4159.3'
 ARROW #1 PACKER CE AT: 4164.5'
 XO 2-3/8 x 2-7/8 J-55 AT: 4168.2'
 TBG PUP 2-3/8 J-55 AT: 4168.7'
 X/N NIPPLE AT: 4172.8'
 TOTAL STRING LENGTH: EOT @ 4174.4'



FRAC JOB

8/05/02 5233'-5386' **Frac LODC sand as follows:**
 199,413# 20/40 sand in 859 bbls Viking I-25 fluid. Treated @ avg press of 1657 psi w/avg rate of 25.5 BPM. ISIP 2250 psi. Calc flush: 5233 gal. Actual flush: 5166 gal.

8/05/02 4890'-5114' **Frac B1, A1, A3 sands as follows:**
 65,332# 20/40 sand in 280 bbls Viking I-25 fluid. Treated @ avg press of 1876 psi w/avg rate of 26.1 BPM. ISIP 2140 psi. Calc flush: 4890 gal. Actual flush: 4809 gal.

8/05/02 4614'-4707' **Frac D1, DS2 sands as follows:**
 43,479# 20/40 sand in 210 bbls Viking I-25 fluid. Treated @ avg press of 2458 psi w/avg rate of 22.4 BPM. ISIP 1940 psi. Calc flush: 4614 gal. Actual flush: 4536 gal.

8/06/02 4234'-4442' **Frac GB6, PB10 sands as follows:**
 49,565# 20/40 sand in 228 bbls Viking I-25 fluid. Treated @ avg press of 2234 psi w/avg rate of 24.5 BPM. ISIP 2150 psi. Calc flush: 4234 gal. Actual flush: 4116 gal.

10/7/02 **Pump change.** Update rod details.
 8/24/04 **Parted Rods.** Update rod details.
 07/07/05 **Parted Rods.** Update rod and tubing details
Convert to Injection Well
Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Depth Range	Tool	Holes
8/02/02	5372'-5386'	2 JSPF	28 holes
8/02/02	5348'-5364'	2 JSPF	32 holes
8/02/02	5332'-5340'	2 JSPF	16 holes
8/02/02	5233'-5325'	2 JSPF	184 holes
8/05/02	5107'-5114'	4 JSPF	28 holes
8/05/02	5067'-5073'	4 JSPF	24 holes
8/05/02	4890'-4903'	4 JSPF	52 holes
8/05/02	4704'-4707'	4 JSPF	12 holes
8/05/02	4693'-4696'	4 JSPF	12 holes
8/05/02	4614'-4624'	4 JSPF	40 holes
8/06/02	4434'-4442'	4 JSPF	32 holes
8/06/02	4234'-4251'	4 JSPF	68 holes

NEWFIELD

West Point 6-17-9-16
 1984' FNL & 2050' FWL
 SE NW Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32283; Lease #UTU-74390

Spud Date: 4/1/08
 Put on Production: 6/3/08
 GL: 5881' KB: 5893'

State 4-16-9-16

Injection Wellbore Diagram

SURFACE CASING

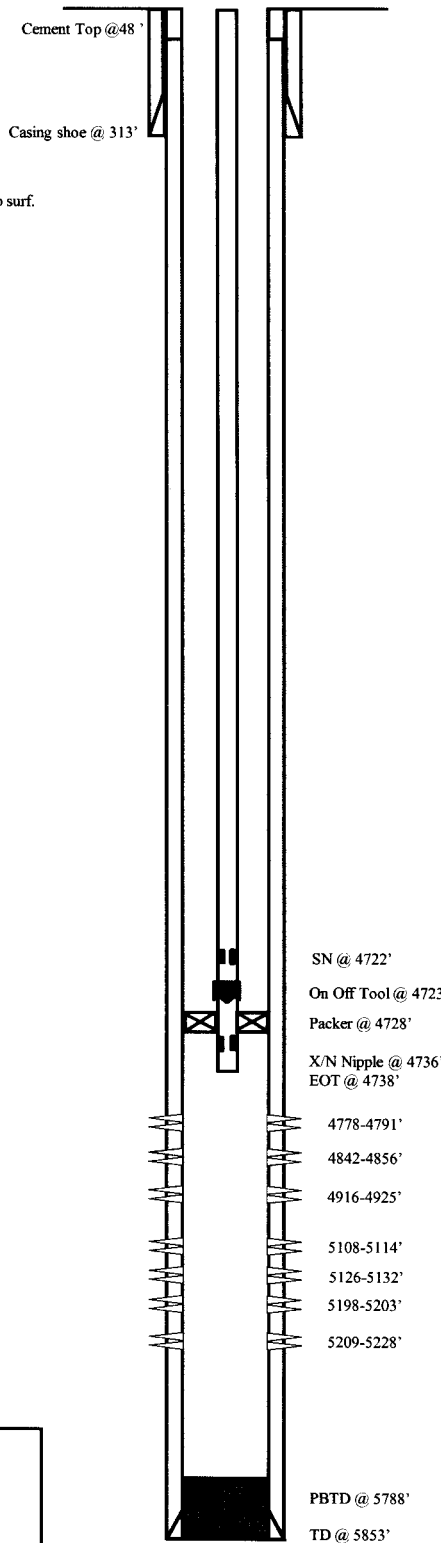
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (300.96')
 DEPTH LANDED: 312.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 158jts 5819.28
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5832.53'
 CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz
 CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 150 jts (4709.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4721.9' KB
 ON/OFF TOOL AT: 4723'
 ARROW #1 PACKER CE AT: 4727.62'
 XO 2-3/8 x 2-7/8 J-55 AT: 4731.7'
 TBG PUP 2-3/8 J-55 AT: 4732.2'
 X/N NIPPLE AT: 4736.3'
 TOTAL STRING LENGTH: EOT @ 4737.94'



FRAC JOB

05-28-08 5209-5228' **Frac LODC sds as follows:** 200,061# 20/40 sand in 1373 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM. ISIP 2322 psi. Actual Flush: 4683 gals.

05-28-08 5108-5114' **Frac A1 & A3 sds as follows:** 120,424# 20/40 sand in 868 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM. ISIP 2220 psi. Actual Flush: 4616 gals.

05-28-08 4916-4925' **Frac B1 sds as follows:** 54,952# 20/40 sand in 495 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM. ISIP 1705 psi. Actual Flush: 4406 gals.

05-28-08 4842-4856' **Frac C sds as follows:** 115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4330 gals.

05-28-08 4778-4791' **Frac D3 sds as follows:** 115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4679 gals.

3/28/09 **Pump Change.** Updated r & t details.

6/5/09 **Pump Change.** Updated rod & tubing details.

07/02/13 **Convert to Injection Well**

07/03/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

4778-4791'	4 JSPF	52 holes
4842-4856'	4 JSPF	56 holes
4916-4925'	4 JSPF	36 holes
5108-5114'	4 JSPF	24 holes
5126-5132'	4 JSPF	24 holes
5198-5203'	4 JSPF	20 holes
5209-5228'	4 JSPF	76 holes

NEWFIELD

State 4-16-9-16
 660' FNL & 815' FWL
 NW/NW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33848; Lease #Utah State ML-16532

GMBU C-17-9-16

Spud Date: 5-9-2013
 Put on Production: 6-21-2013
 GL:5925' KB:5935'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8jts (328')
 DEPTH LANDED: 339'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

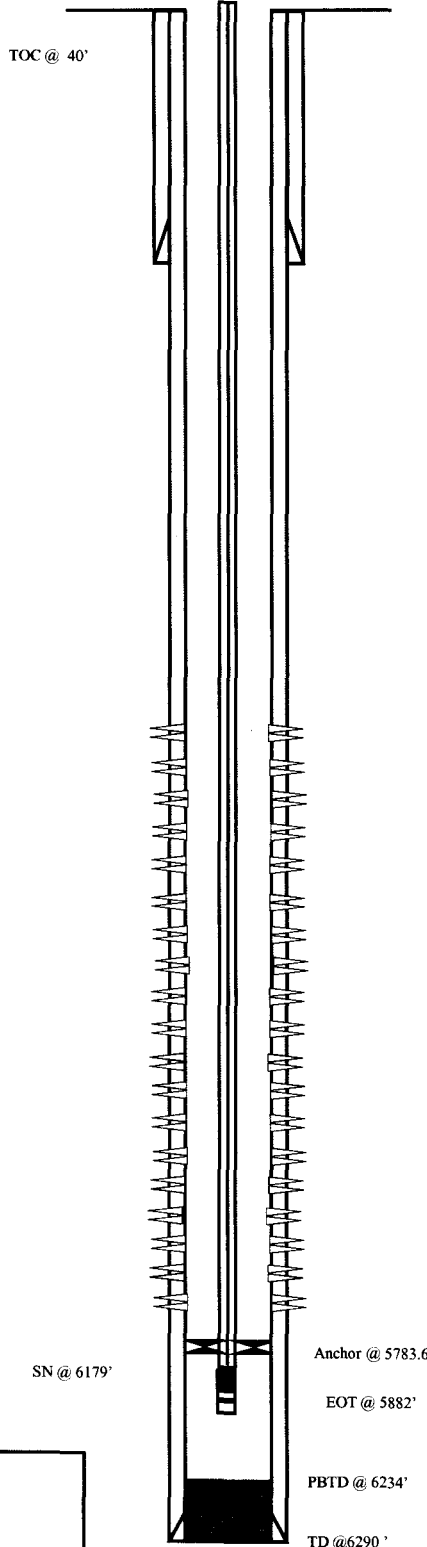
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 144jts (6312.63')
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6290'
 CEMENT DATA: 265 sxs Premlite II & 475 sxs 50/50 POZ.
 CEMENT TOP AT: 40'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 184ts (5773.6')
 TUBING ANCHOR: 5783.6'
 NO. OF JOINTS: 1jts (31.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5817.8'
 NO. OF JOINTS: 2jt (62.8')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5882.11'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 2', 4', 6', 8' x 7/8" Pony Rods, 68 x 7/8"
 4per Guided Rods, 132 x 3/4" 4per Guided Rods, 30 x 7/8"
 8per Guided Rods
 PUMP SIZE: 2-1/2" x 1-3/4" x 20" x 21" x 24" RHAC
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 5
 PUMPING UNIT: DARCO C-640-365-168




FRAC JOB

6-17-13	5810-5778''	Frac CP1 sands as follows: Frac with 54704# 20/40 sand in 400bbbls
6-17-13	5546-5293'	Frac LODC & A1 sands as follows: Frac with 124949# 20/40 sand in 862bbbls
6-17-13	5144-5038'	Frac B2, B1, B.5, C sands as follows: Frac with 47175# 20/40 sand in 482 bbbls
6-17-13	4922-4856'	Frac D1, D2 sands as follows: Frac with 24897# 20/40 sand in 304 bbbls
6-17-13	4374-4352'	Frac GB6 sands as follows: Frac with 34758# 20/40 sand in 352 bbbls

PERFORATION RECORD

5,808.0 - 5,810.0	2 JSPF	4 Shots
5,801.0 - 5,802.0	2 JSPF	2 Shots
5,795.0 - 5,796.0	2 JSPF	2 Shots
5,776.0 - 5,778.0	2 JSPF	4 Shots
5,778.0 - 5,780.0	2 JSPF	4 Shots
5,544.0 - 5,546.0	2 JSPF	4 Shots
5,528.0 - 5,530.0	2 JSPF	4 Shots
5,511.0 - 5,512.0	2 JSPF	2 Shots
5,499.0 - 5,500.0	2 JSPF	2 Shots
5,481.0 - 5,482.0	2 JSPF	2 Shots
5,310.0 - 5,312.0	2 JSPF	4 Shots
5,293.0 - 5,294.0	2 JSPF	2 Shots
5,141.0 - 5,144.0	2 JSPF	6 Shots
5,107.0 - 5,110.0	2 JSPF	6 Shots
5,089.0 - 5,091.0	2 JSPF	4 Shots
5,038.0 - 5,040.0	2 JSPF	4 Shots
4,918.0 - 4,922.0	2 JSPF	8 Shots
4,856.0 - 4,858.0	2 JSPF	4 Shots
4,372.0 - 4,374.0	2 JSPF	4 Shots
4,364.0 - 4,366.0	2 JSPF	4 Shots
4,352.0 - 4,354.0	2 JSPF	4 Shots



GMBU C-17-9-16
 704' FSL & 1929' FEL (SW/SE)
 Section 8, T9S, R16E
 Duchesne Co, Utah
 API # 43-013-51589; EDA:

GMBU D-17-9-16

Spud Date: 11/17/2011
 PWOP: 01/24/2012
 GL: 5984' KB: 5997'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (317.6')
 DEPTH LANDED: 330.92' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

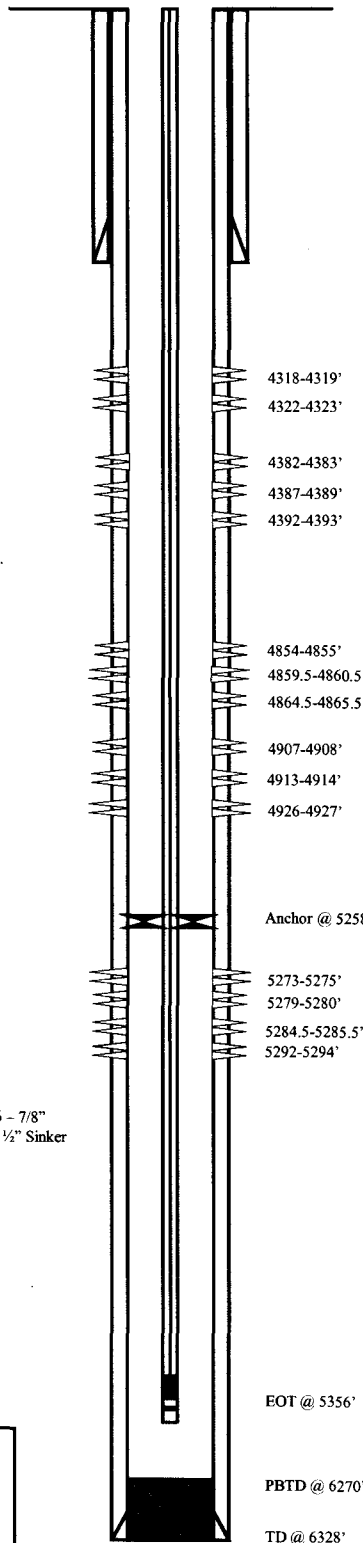
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 155 jts. (6296.11') Shoe Joint (41.83')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 6314.72' KB
 CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 200'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 168 jts. (5245.1')
 TUBING ANCHOR: 5258.1' KB
 NO. OF JOINTS: 1 jt. (31.4')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5292.3' KB
 NO. OF JOINTS: 2 jts. (62.7')
 NOTCHED COLLAR: 5356.0' KB
 TOTAL STRING LENGTH: EOT @ 5356'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 66 - 7/8" 4per Guided Rods (1650'), 138 - 3/4" 4per Guided Rods (3450'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Guided Rods (20')
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC
 STROKE LENGTH: 144"
 PUMP SPEED: 5 SPM



FRAC JOB

01/12/2012 5273-5294' **Frac A1, sands as follows:**
 Frac with 65477# 20/40 white sand in 519 bbls lightning 17 fluid; 699 bbls total fluid to recover.


01/14/2012 4854-4927' **Frac D1 & D2, sands as follows:**
 Frac with 130430# 20/40 white sand in 1025 bbls lightning 17 fluid; 1141 bbls total fluid to recover.

01/14/2012 4318-4393' **Frac GB4 & GB6, sands as follows:**
 Frac with 62853# 20/40 white sand in 510 bbls lightning 17 fluid; 612 bbls total fluid to recover.

PERFORATION RECORD

Depth Range	Tool	Holes
5292-5294'	3 JSPF	6 holes
5284.5-5285.5'	3 JSPF	3 holes
5279-5280'	3 JSPF	3 holes
5273-5275'	3 JSPF	6 holes
4926-4927'	3 JSPF	3 holes
4913-4914'	3 JSPF	3 holes
4907-4908'	3 JSPF	3 holes
4864.5-4865.5'	3 JSPF	3 holes
4859.5-4860.5'	3 JSPF	3 holes
4854-4855'	3 JSPF	3 holes
4392-4393'	3 JSPF	3 holes
4387-4389'	3 JSPF	3 holes
4382-4383'	3 JSPF	3 holes
4322-4323'	3 JSPF	3 holes
4318-4319'	3 JSPF	3 holes

NEWFIELD



GMBU D-17-9-16
 578' FSL & 791' FWL (SW/SW)
 Section 8, T9S, R16E
 Duchesne County, Utah
 API #43-013-50701; Lease # UTU-74390

NEWFIELD



GMBU G-17-9-16

Uinta Central Basin - Duchesne County, Utah, USA

Surf Location: SW/NW - Sec 17, T9S, R10E; 1,897' FNL & 863' FEL

8985' GL + 10' KB

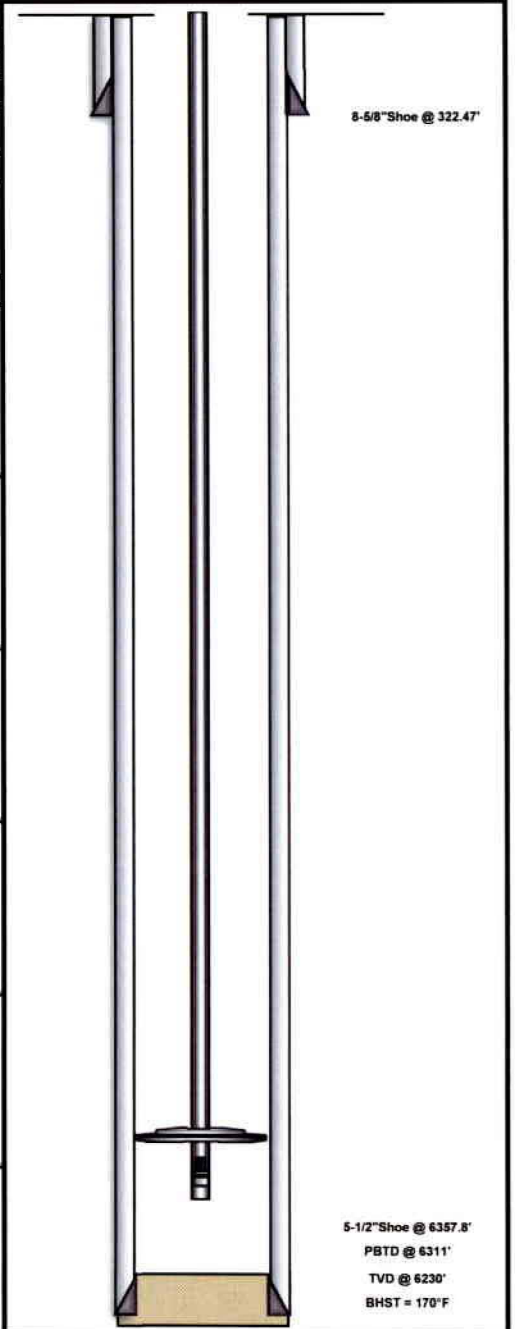
API#: 43-013-81168; Lease#: UTU-74390

Paul Lembcke

PFM 11/20/2012

Spud Date: 10/13/2012; PoP Date: 1/31/2013

CASING DETAIL	Casing	Top	Bottom	Size	WT	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	322'	8-5/8"	24#	J-55	7.972"	2.950	1.370	8.067"	2.6749	STC	12.250
Prod	10'	6.358'	5-1/2"	15.5#	J-55	4.825"	4.810	4.040	4.950"	0.9997	LTC	7.875	
TUBG. DETAIL	Top	Bottom	Coupling	Size	WT	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5.574'	BEUE	2-7/8"	6.5#	J-55	2.347"	7.260	7.680	2.441"	Tubing Anchor Set @ 5.476'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	-	C(API)	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5.480'				
	4per Guided Rod		30'	1.930'	7/8"	Tenaris D78	1.900'	76					
	4per Guided Rod		1.930'	4.780'	3/4"	Tenaris D78	2.850'	114					
	8per Guided Rod		4.780'	5.480'	7/8"	Tenaris D78	700'	28					
Stage	Top	Bottom	SPF	Gun Size	Date	Frac Summary							
6	4,261'	4,262'	3	1"	1/16/2013	Formation:	GB6	GB4					
	4,264'	4,266'	3	2"	1/16/2013	20/40 White:	98,879 lbs	18% HCl:	0 gals				
	4,318'	4,320'	3	2"	1/16/2013	Pad:	1,701 gals	Treating Fluid:	22,079 gals				
	4,329'	4,331'	3	2"	1/16/2013	Flush:	4,271 gals	Load to Recover:	28,062 gals				
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	3,515 psi				
	0'	0'	3	0'	-								
5	4,548'	4,552'	3	4"	1/16/2013	Formation:	PB10						
	0'	0'	3	0'	-	20/40 White:	24,194 lbs	18% HCl:	252 gals				
	0'	0'	3	0'	-	Pad:	5,690 gals	Treating Fluid:	6,178 gals				
	0'	0'	3	0'	-	Flush:	4,796 gals	Load to Recover:	16,674 gals				
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	2,841 psi				
	0'	0'	3	0'	-								
4	4,736'	4,738'	3	2"	1/16/2013	Formation:	DS3	DS2					
	4,770'	4,774'	3	4"	1/16/2013	20/40 White:	104,344 lbs	18% HCl:	252 gals				
	0'	0'	3	0'	-	Pad:	1,315 gals	Treating Fluid:	23,793 gals				
	0'	0'	3	0'	-	Flush:	4,876 gals	Load to Recover:	29,984 gals				
	0'	0'	3	0'	-	ISIP=	0.970 psi/ft	Max STP:	3,155 psi				
	0'	0'	3	0'	-								
3	4,822'	4,824'	3	2"	1/16/2013	Formation:	D1						
	4,831'	4,835'	3	4"	1/16/2013	20/40 White:	46,418 lbs	18% HCl:	252 gals				
	0'	0'	3	0'	-	Pad:	2,953 gals	Treating Fluid:	11,092 gals				
	0'	0'	3	0'	-	Flush:	5,082 gals	Load to Recover:	19,127 gals				
	0'	0'	3	0'	-	ISIP=	0.870 psi/ft	Max STP:	2,784 psi				
	0'	0'	3	0'	-								
2	5,103'	5,104'	3	1"	1/16/2013	Formation:	A1	B2					
	5,136'	5,138'	3	2"	1/16/2013	20/40 White:	74,737 lbs	18% HCl:	252 gals				
	5,223'	5,227'	3	4"	1/16/2013	Pad:	1,487 gals	Treating Fluid:	17,850 gals				
	0'	0'	3	0'	-	Flush:	5,330 gals	Load to Recover:	24,667 gals				
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	3,942 psi				
	0'	0'	3	0'	-								
1	5,481'	5,462'	3	1"	1/9/2013	Formation:	LODC						
	5,463'	5,404'	3	1"	1/9/2013	20/40 White:	139,958 lbs	18% HCl:	252 gals				
	5,490'	5,492'	3	2"	1/9/2013	Pad:	5,893 gals	Treating Fluid:	32,529 gals				
	5,513'	5,516'	3	3"	1/9/2013	Flush:	5,704 gals	Load to Recover:	44,125 gals				
	0'	0'	3	0'	-	ISIP=	0.870 psi/ft	Max STP:	2,987 psi				
	0'	0'	3	0'	-								
CEMENT	Surf	On 10/13/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.											
	Prod	On 11/3/12 Baker pumped 240 sks lead @ 11 ppg w/ 3.53 yield plus 470 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 20 bbls to the pit. TOC @ Surface.											



5-1/2" Shoe @ 6357.8'
 PBTD @ 6311'
 TVD @ 6230'
 BHST = 170°F

Well Name: **GMBU H-17-9-16**

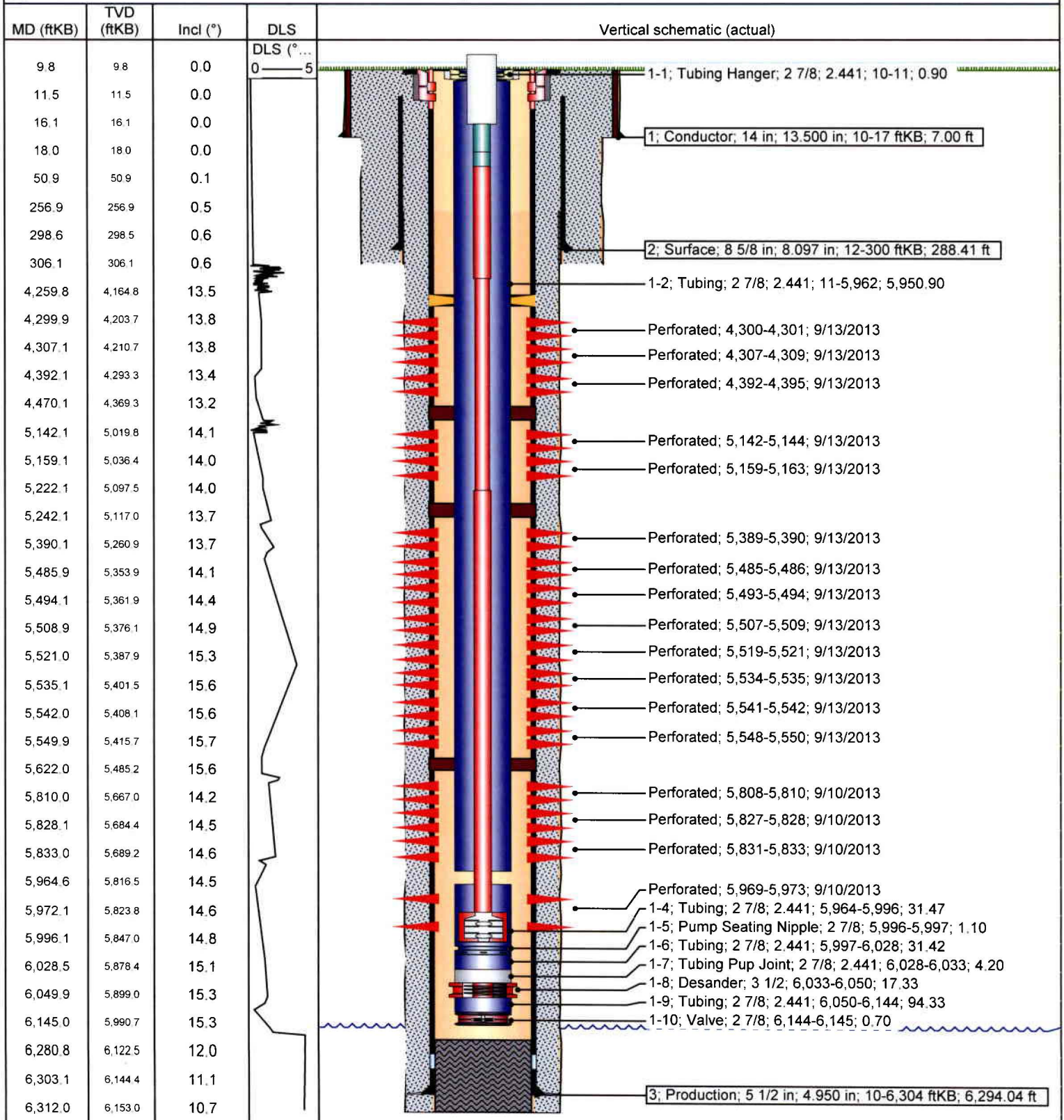
Surface Legal Location SENW 1944 FNL 2044 FWL Sec 17 T9S R16E Mer SLB			API/UWI 43013515730000	Well RC 500335149	Lease UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 8/17/2013	Rig Release Date 9/6/2013	On Production Date 10/4/2013	Original KB Elevation (ft) 6,016	Ground Elevation (ft) 6,006	Total Depth All (TVD) (ftKB) Original Hole - 6,153.0		PBD (All) (ftKB) Original Hole - 6,281.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 9/10/2013	Job End Date 10/4/2013
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TD: 6,312.0

Slant - Original Hole, 6/3/2014 7:14:25 AM



Well Name: **GMBU J-17-9-16**

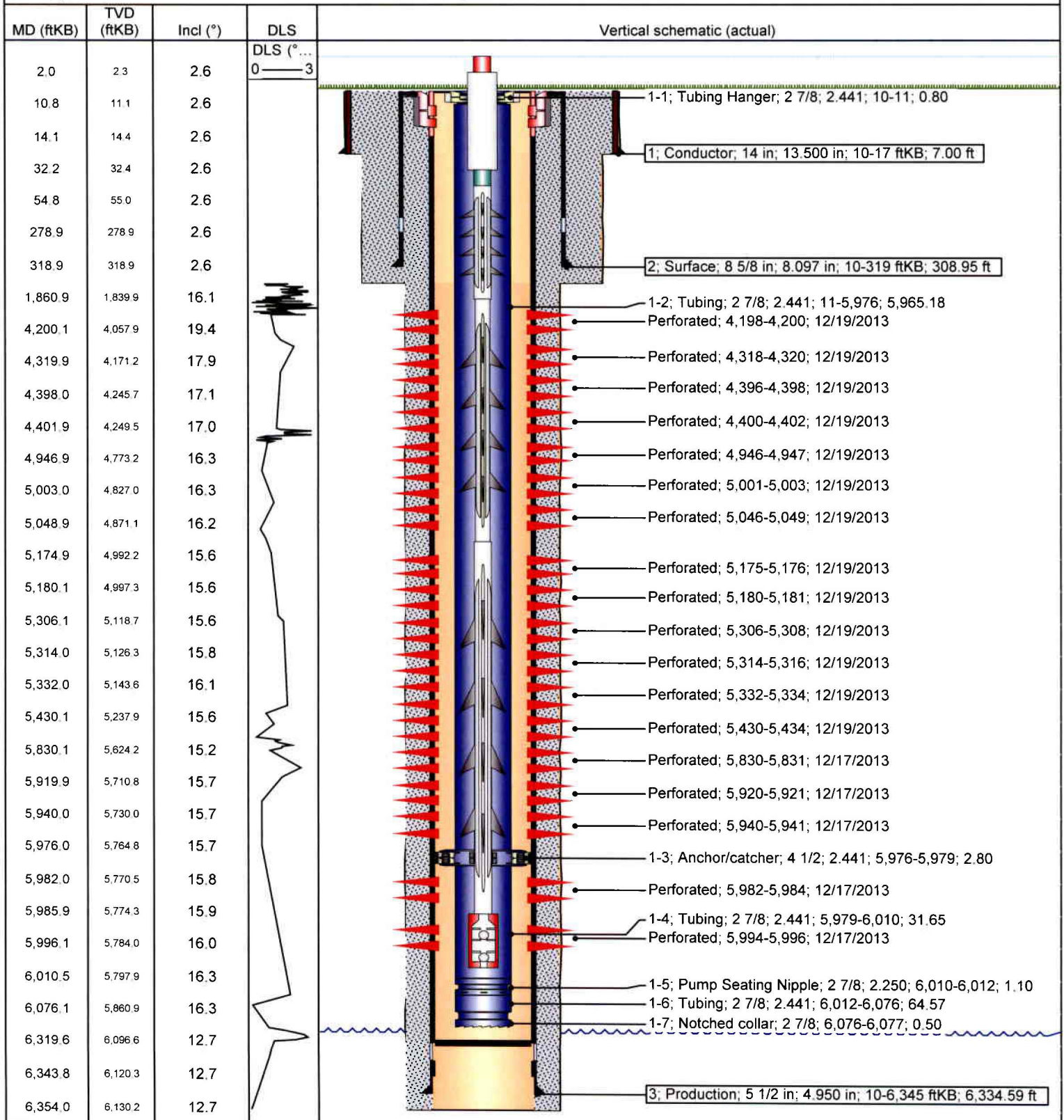
Surface Legal Location SWNW 2100 FNL 750 FWL Sec 16 T9S R16E Mer SLB			API/UWI 43013515870000	Well RC 500343109	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 11/6/2013	Rig Release Date 11/27/2013	On Production Date	Original KB Elevation (ft) 5,931	Ground Elevation (ft) 5,921	Total Depth All (TVD) (ftKB) Original Hole - 6,130.2		PBD (All) (ftKB) Original Hole - 6,319.6	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/17/2013	Job End Date 1/3/2014
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TD: **6,354.0**

Slant - Original Hole, 6/3/2014 7:16:52 AM



Well Name: Gmbu R-8-9-16

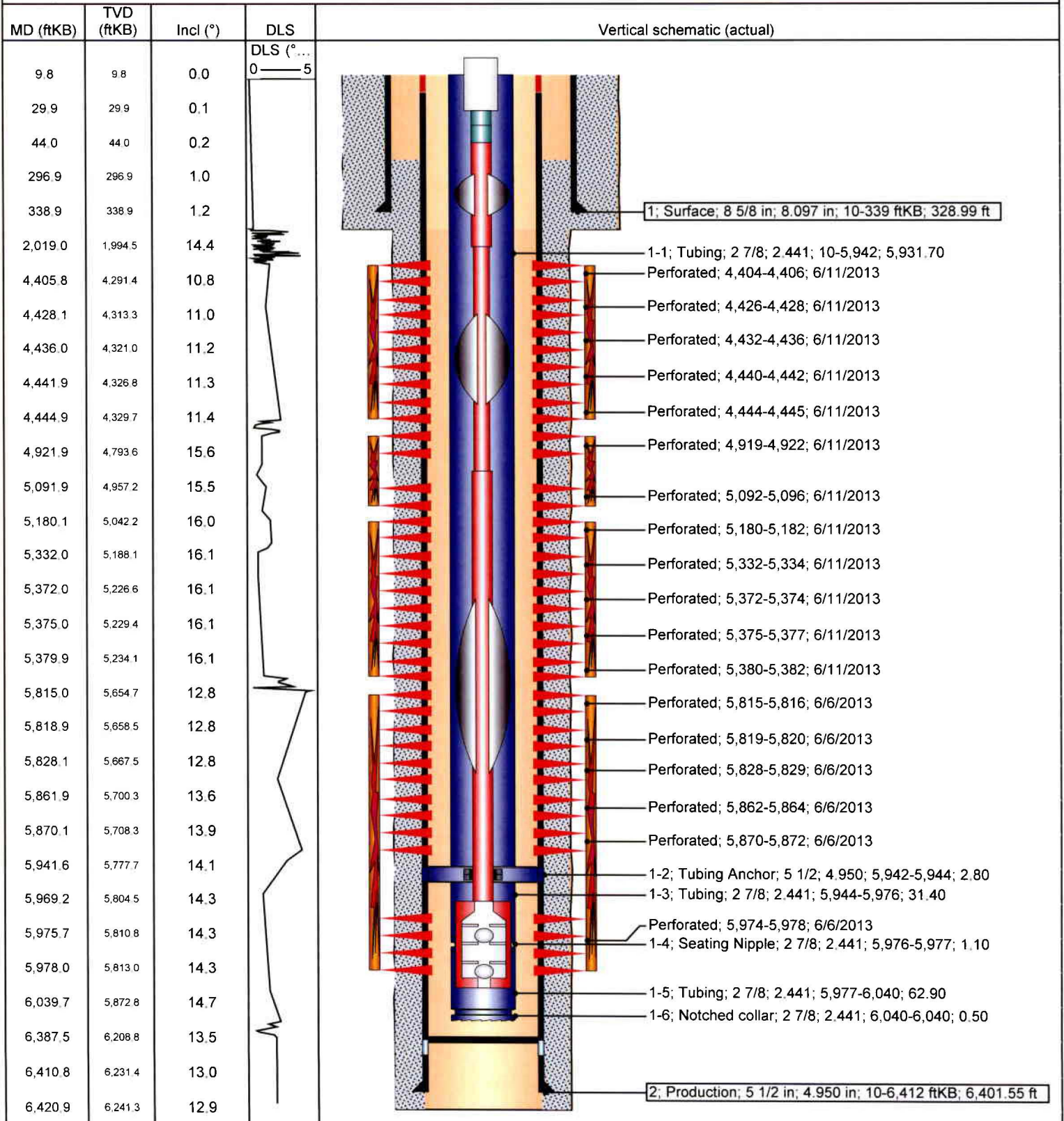
Surface Legal Location 08-9S-16E		API/UWI 43013515650000	Well RC 500334814	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 5/9/2013	Rig Release Date 5/27/2013	On Production Date 6/14/2013	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,387.6	

Most Recent Job

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Pump Repair	Job Start Date 1/6/2014	Job End Date 1/7/2014
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TD: 6,421.0

Vertical - Original Hole, 6/3/2014 7:06:30 AM



Well Name: GMBU S-8-9-16

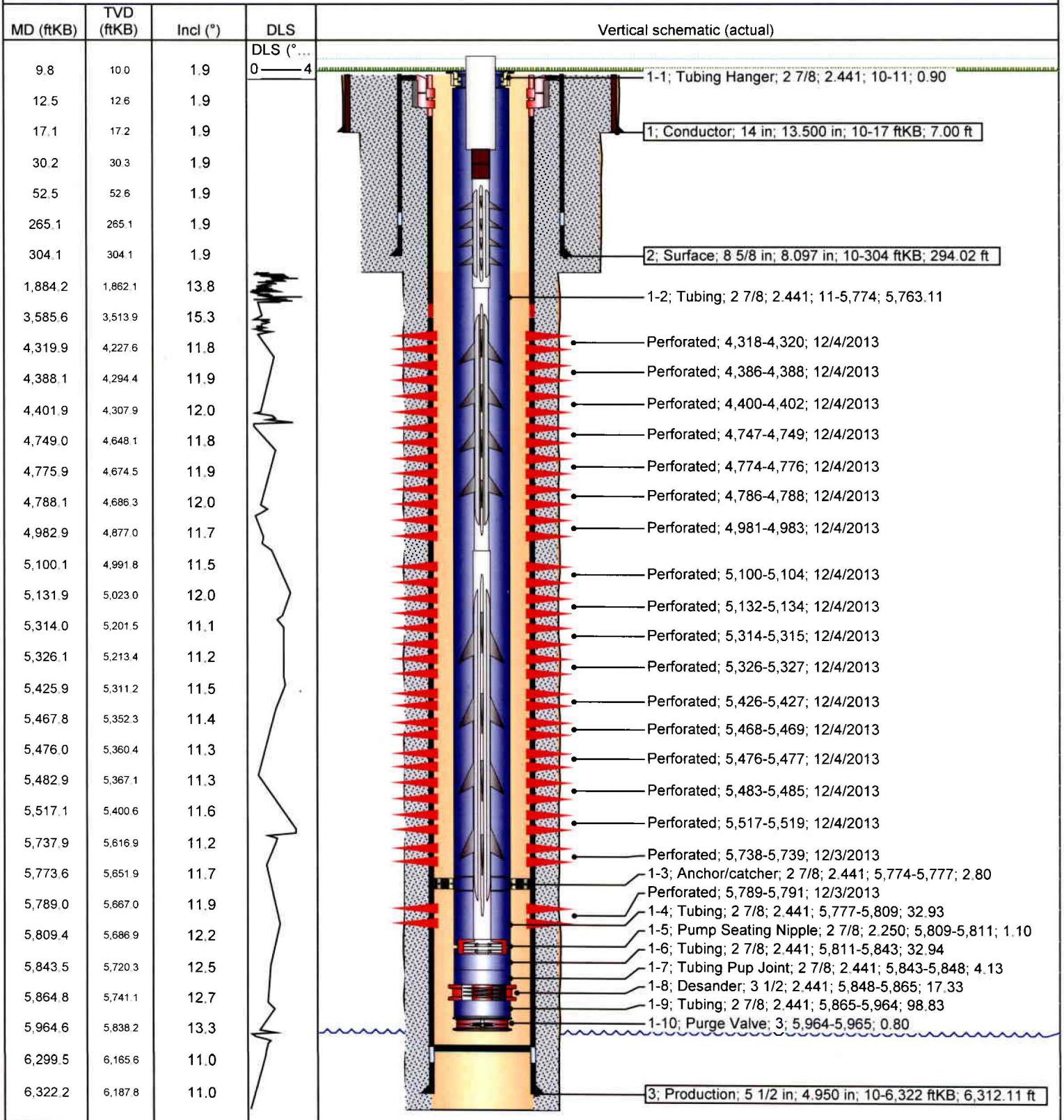
Surface Legal Location NESW 1832 FSL 2021 FEL Sec 8 T9S R16E Mer SLB		API/UWI 43013516880000	Well RC 500346808	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 10/30/2013	Rig Release Date 11/11/2013	On Production Date	Original KB Elevation (ft) 5,898	Ground Elevation (ft) 5,888	Total Depth All (TVD) (ftKB) Original Hole - 6,200.4	PBTD (All) (ftKB) Original Hole - 6,298.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/3/2013	Job End Date 12/12/2013
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TD: 6,335.0

Slant - Original Hole, 6/3/2014 7:07:26 AM



Well Name: **GMBU T-8-9-16**

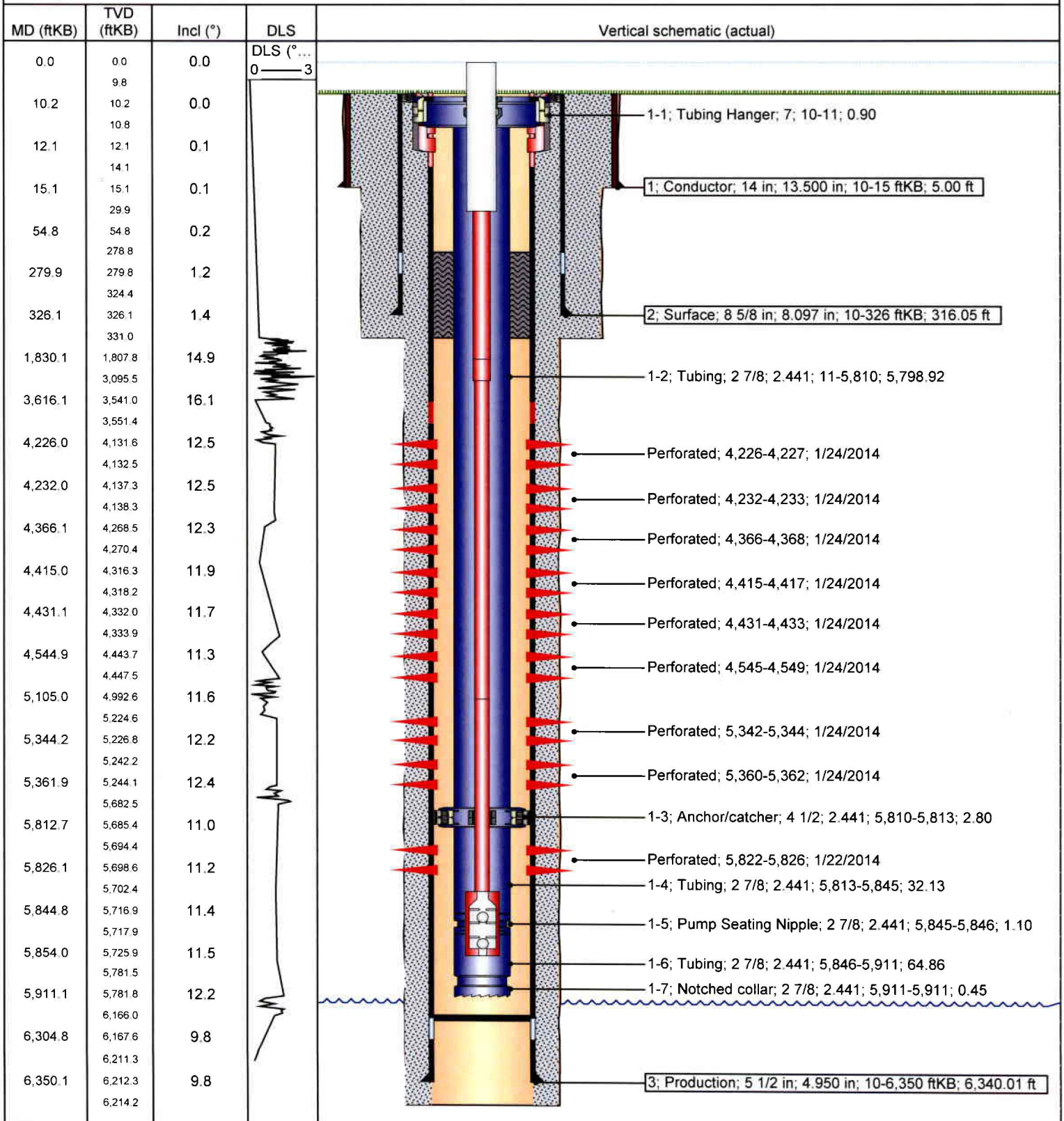
Surface Legal Location NESE 2112 FSL 904 FEL Sec 8 T9S R16E Mer SLB		API/UWI 43013516860000	Well RC 500346814	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/17/2013	Rig Release Date 1/9/2014	On Production Date	Original KB Elevation (ft) 5,906	Ground Elevation (ft) 5,896	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,303.1	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/22/2014	Job End Date 2/3/2014
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TD: 6,352.0

Slant - Original Hole, 6/3/2014 7:08:09 AM



West Point Fed Q-8-9-16

Spud Date: 9/1/2009
 Put on Production: 10/12/2009
 GL: 5959' KB: 5971'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.05')
 DEPTH LANDED: 320.90'
 CEMENT DATA: 160 sxs Class 'G', circ. 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts (6258.9')
 DEPTH LANDED: 6273.90'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 270 sxs Prim Lite II & 360 sxs 50:50 POZ
 CEMENT TOP AT: 0' per CBL 10/2/09

TUBING (GI 10/12/09)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO OF JOINTS: 181 jts (5795.3')
 TUBING ANCHOR: 5807.3' KB
 NO OF JOINTS: 2 jts (63.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5874' KB
 NO OF JOINTS: 2 jts (64.7')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5940'

SUCKER RODS (GI 7/23/10)

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 2', 4', 6' x 7/8" pony rods; 230 x 7/8" guided rods (8per); 4 x 1-1/2" weight rods
 PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC
 STROKE LENGTH: 146"
 PUMP SPEED, SPM: 37
 PUMPING UNIT: DARCO C-640-365-168

FRAC JOB

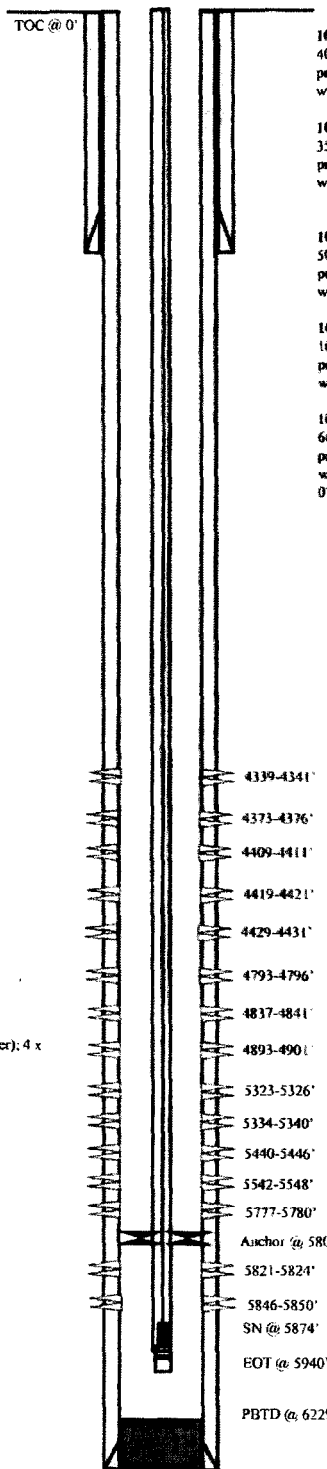
10/6/2009 5777-5850' Frac CP.5, CP1, CP2 sds as follows:
 40,866# sand in 438 bbls of lightning 17 frac fluid. Treated @ ave
 pressure of 2228 w/ ave rate of 35 bpm w/ 8 ppg of sand. ISIP was 2061
 w/ 80FG 5 min was 1841 10 min was 1774 15 min was 1702

10/6/2009 5440-5548' Frac LODC sds as follows:
 35,697# sand in 400 bbls of lightning 17 frac fluid. Treated @ ave
 pressure of 2801 w/ ave rate of 40 bpm w/ 8 ppg of sand. ISIP was 2446
 w/ 89FG

10/6/2009 5323-5340' Frac A3 sds as follows:
 50,130# sand in 469 bbls of lightning 17 frac fluid. Treated @ ave
 pressure of 2396 w/ ave rate of 33 bpm w/ 8 ppg of sand. ISIP was 2192
 w/ 85FG

10/6/2009 4793-4901' Frac D1, DS3, DS1 sds as follows:
 100,980# sand in 752 bbls of lightning 17 frac fluid. Treated @ ave
 pressure of 2396 w/ ave rate of 48 bpm w/ 8 ppg of sand. ISIP was 2080
 w/ 87FG 5 min was 1900 10 min was 1841 15 min was 1786

10/6/2009 4339-4431' Frac GB6 GB4 sds as follows:
 66,307# sand in 557 bbls of lightning 17 frac fluid. Treated @ ave
 pressure of 2396 w/ ave rate of 48 bpm w/ 8 ppg of sand. ISIP was 2001
 w/ 90FG
 07/24/10 Pump Change. Rod & Tubing updated



PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
10/6/09	5846-5850'	3 JSPF	12 holes
10/6/09	5821-5824'	3 JSPF	9 holes
10/6/09	5777-5780'	3 JSPF	9 holes
10/6/09	5542-5548'	3 JSPF	18 holes
10/6/09	5440-5446'	3 JSPF	18 holes
10/6/09	5334-5340'	3 JSPF	18 holes
10/6/09	5323-5326'	3 JSPF	9 holes
10/6/09	4893-4901'	3 JSPF	24 holes
10/6/09	4837-4841'	3 JSPF	12 holes
10/6/09	4793-4796'	3 JSPF	9 holes
10/6/09	4429-4431'	3 JSPF	6 holes
10/6/09	4419-4421'	3 JSPF	6 holes
10/6/09	4409-4411'	3 JSPF	6 holes
10/6/09	4373-4376'	3 JSPF	9 holes
10/6/09	4339-4341'	3 JSPF	6 holes

NEWFIELD

West Point Fed Q-8-9-16

785' FSL & 1998' FWL

SE/SW Section 8-T9S-R16E

Duchesne Co, Utah

API # 43-013-33882; Lease # UTTU-74390

TD @ 6281'

43-013-51581

Well Name: GMBU N-17-9-16

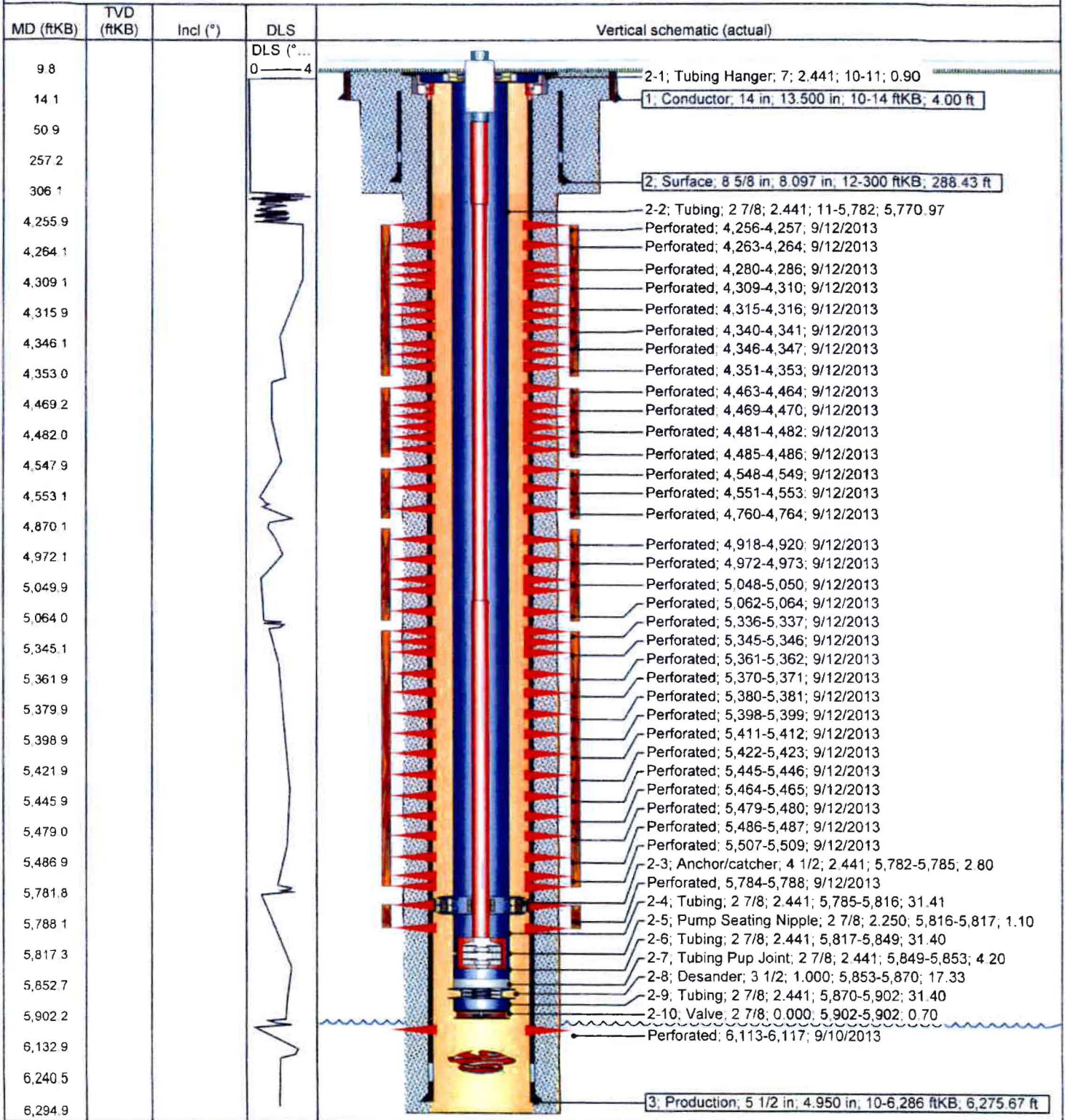
Surface Legal Location SENW 1965 FNL 2048 FWL Sec 17 T9S R16E Mer SLB			API/NAI 43013515810000	Well RC 500335182	Lease UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 8/16/2013	Rig Release Date 9/2/2013	On Production Date 10/4/2013	Original KB Elevation (ft) 6,016	Ground Elevation (ft) 6,006	Total Depth All (TVD) (ftKB)		PBDT (All) (ftKB) Original Hole - 6,239.0	

Most Recent Job

Job Category	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 9/10/2013	Job End Date 10/17/2013
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TD: 6,295.0

Slant - <des>, 7/15/2014 8:12:36 AM



NEWFIELD

Schematic

Well Name: **GMBU L-8-9-16**

43-013-51687

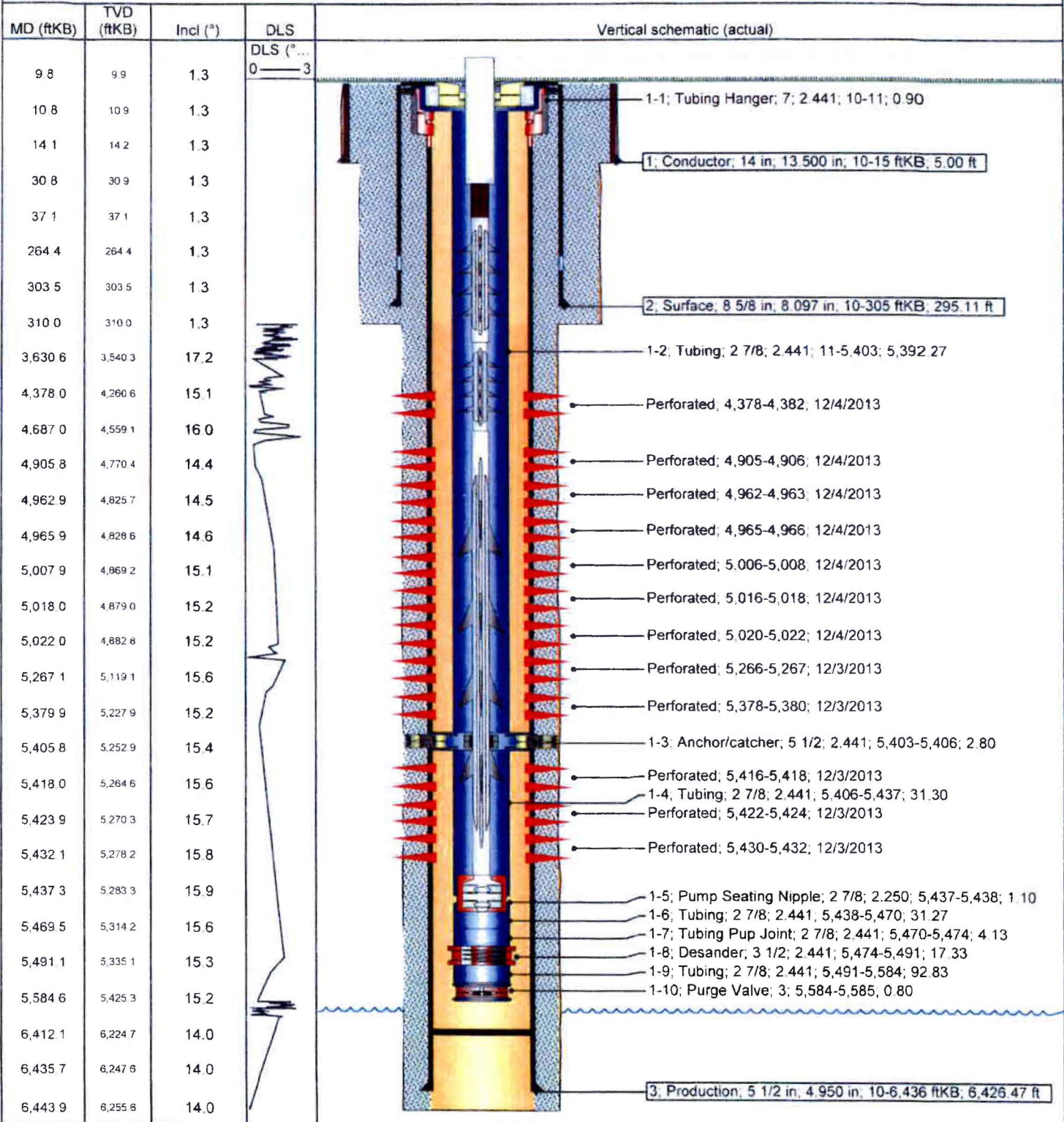
Surface Legal Location NWSE 1836 FSL 2042 FEL Sec 8 T9S R16E Mer SLB		API/UWI 43013516870000	Well RC 500346810	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 10/31/2013	Rig Release Date 11/17/2013	On Production Date 12/16/2013	Original KB Elevation (ft) 5,898	Ground Elevation (ft) 5,888	Total Depth All (TVD) (ftKB) Original Hole - 6,255.7	PBTD (All) (ftKB) Original Hole - 6,412.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/3/2013	Job End Date 12/16/2013
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TD: 6,444.0

Slant - Original Hole, 7/15/2014 8:14:21 AM



NEWFIELD

Schematic

43-013-52334

Well Name: GMBU X-9-9-16

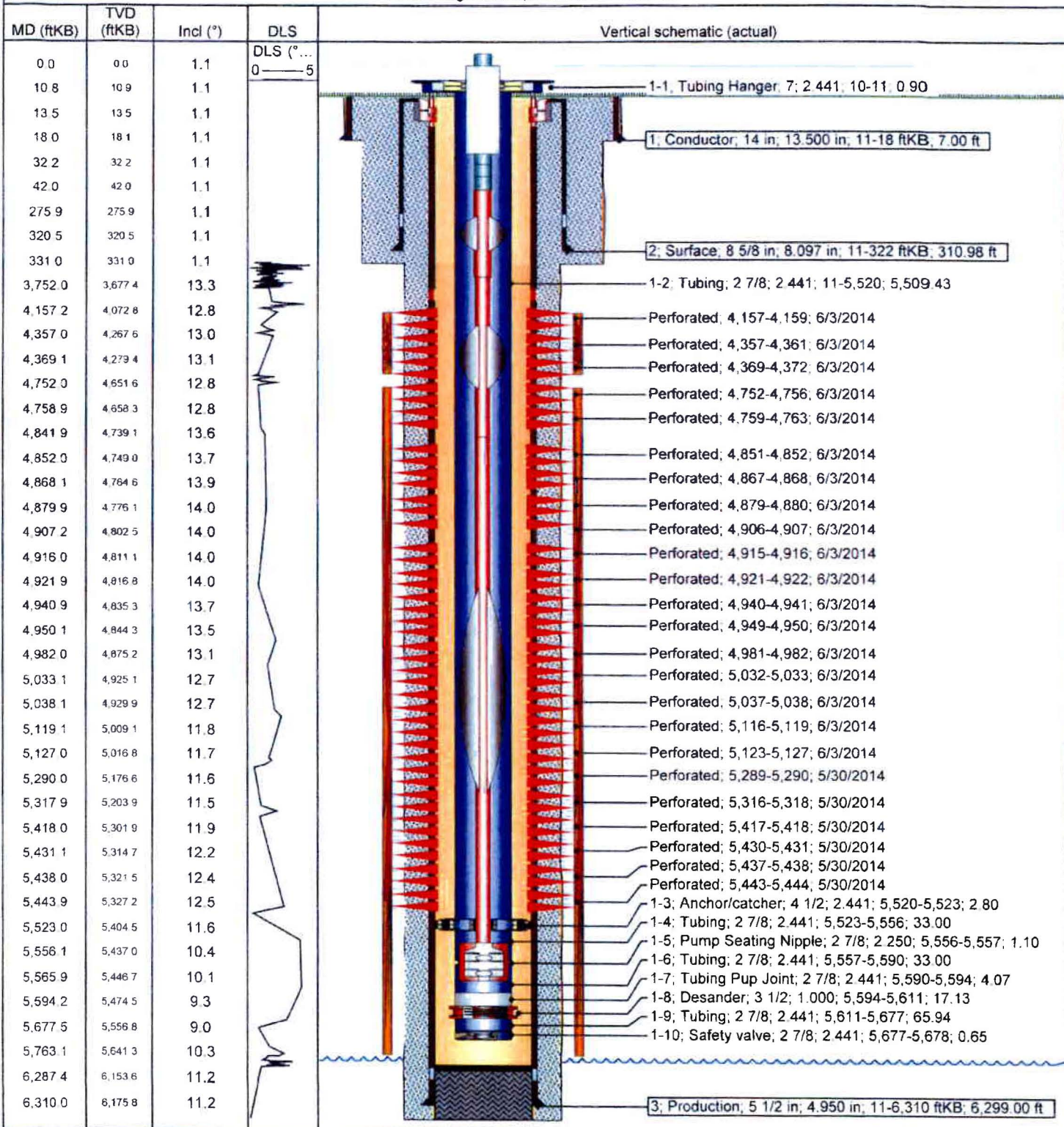
Surface Legal Location NWNW 684' FNL 855' FWL Sec 16 T9S R16E		API/UWI 43013523340000	Well RC 500346545	Lease UTU79831	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 4/23/2014	Rig Release Date 5/16/2014	On Production Date 6/11/2014	Original KB Elevation (ft) 5,889	Ground Elevation (ft) 5,878	Total Depth All (TVD) (ftKB) Original Hole - 6,183.6	PBTD (All) (ftKB) Original Hole - 6,285.5	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/30/2014	Job End Date 6/10/2014
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TD: 6,318.0

Slant - Original Hole, 7/15/2014 8:10:04 AM



NEWFIELD

Schematic

43-013-52336

Well Name: GMBU U-8-9-16

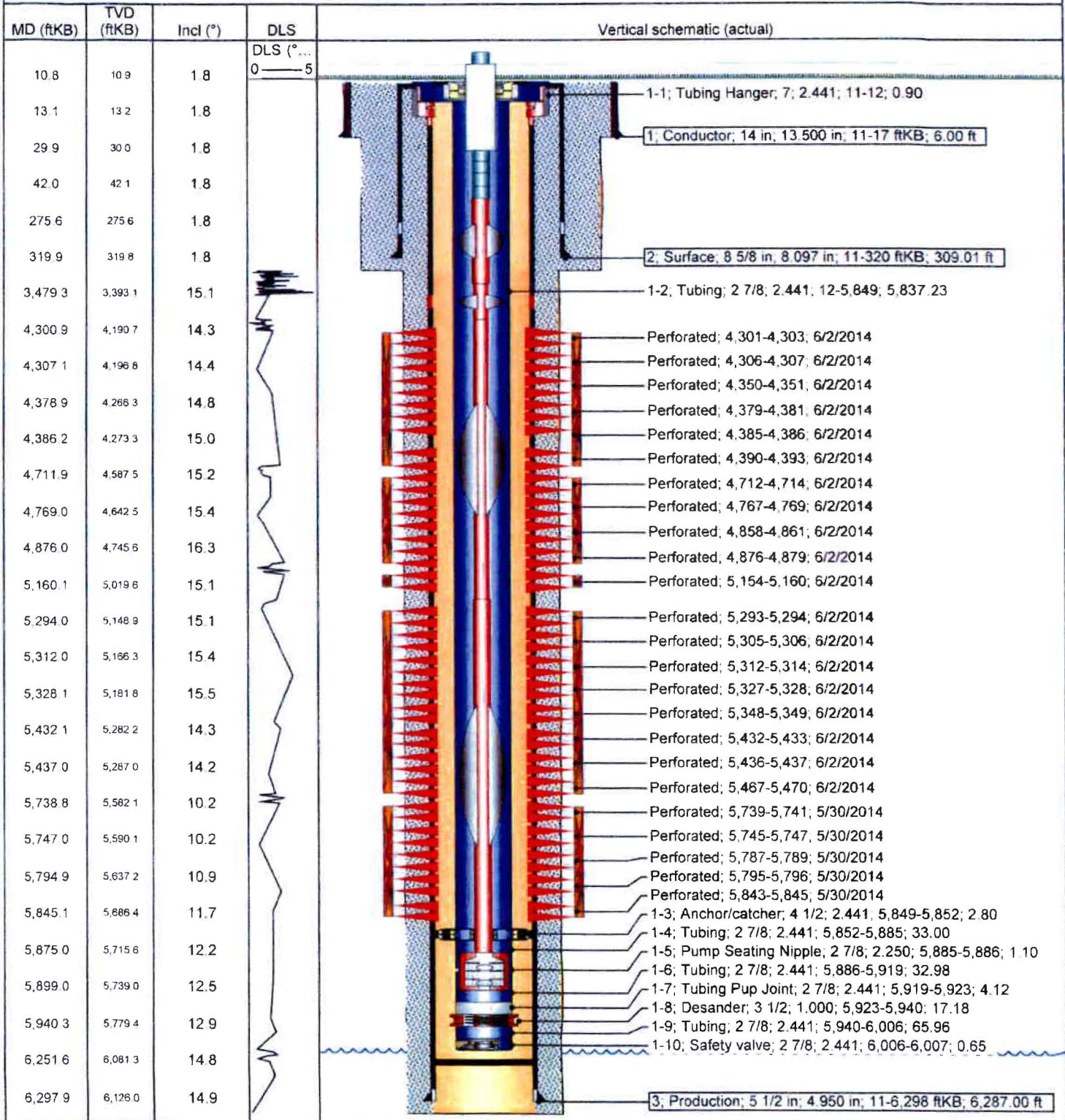
Surface Legal Location NWNW 674' FNL 836' FWL Sec 16 T9S R16E				API/UWI 43013523360000	Well RC 500346538	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 4/22/2014	Rig Release Date 5/11/2014	On Production Date 6/11/2014	Original KB Elevation (ft) 5,889	Ground Elevation (ft) 5,878	Total Depth All (TVD) (ftKB) Original Hole - 6,135.7	PBTD (All) (ftKB) Original Hole - 6,251.5			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/30/2014	Job End Date 6/6/2014
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TD: 6,308.0

Slant - Original Hole, 7/15/2014 8:11:41 AM



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **FEDERAL 2-17-9-16**
 Sample Point:
 Sample Date: **1/24/2014**
 Sample ID: **WA-264550**

Sales Rep: **Pete Prodromides**
 Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	1/24/2014	Sodium (Na):	4828.00	Chloride (Cl):	9000.00
System Temperature 1 (°F):	120	Potassium (K):	32.00	Sulfate (SO4):	8.00
System Pressure 1 (psig):	60	Magnesium (Mg):	7.20	Bicarbonate (HCO3):	1708.00
System Temperature 2 (°F):	210	Calcium (Ca):	22.60	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	3.20	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.007	Barium (Ba):	0.84	Propionic Acid (C2H5COO)	
pH:	8.70	Iron (Fe):	30.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	15640.40	Zinc (Zn):	0.10	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.03	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.43	Silica (SiO2):	
H2S in Water (mg/L):	20.00				

Notes:

AI=0.06 B=7.7 LI=1.2

(PTB = Pounds per Thousand Barrels)

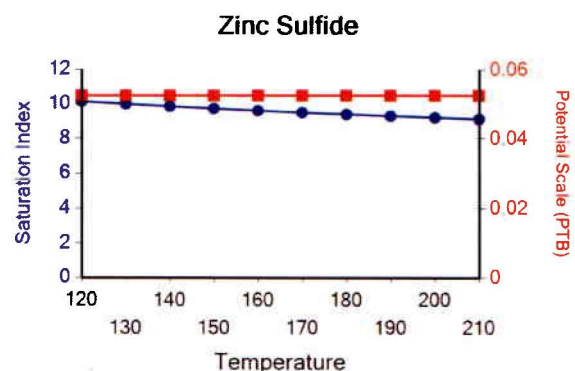
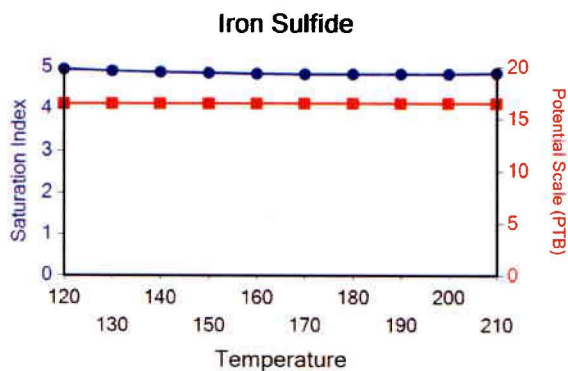
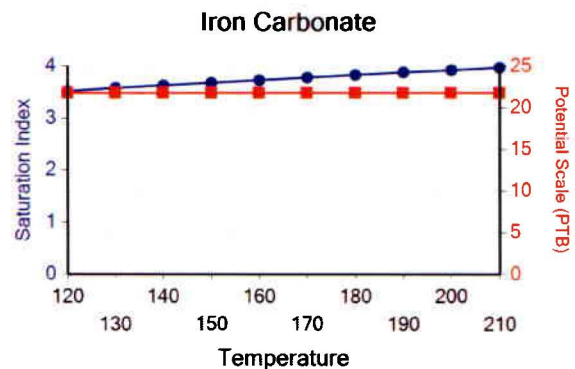
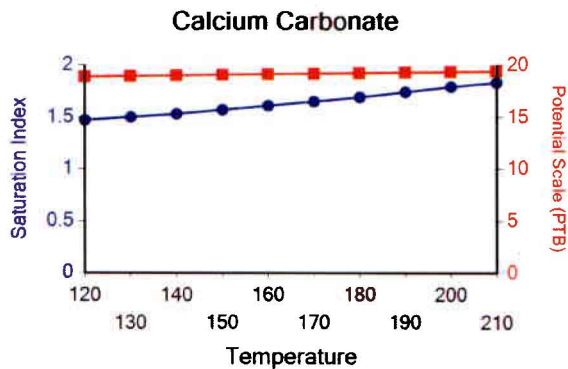
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.83	19.41	0.00	0.00	4.86	16.55	3.97	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.11	0.05
200.00	60.00	1.79	19.36	0.00	0.00	4.84	16.55	3.92	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.20	0.05
190.00	60.00	1.74	19.31	0.00	0.00	4.84	16.55	3.88	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.29	0.05
180.00	60.00	1.69	19.26	0.00	0.00	4.84	16.55	3.83	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.05
170.00	60.00	1.65	19.20	0.00	0.00	4.84	16.55	3.78	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.49	0.05
160.00	60.00	1.61	19.14	0.00	0.00	4.85	16.55	3.73	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.61	0.05
150.00	60.00	1.57	19.08	0.00	0.00	4.87	16.55	3.68	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.73	0.05
140.00	60.00	1.53	19.02	0.00	0.00	4.89	16.55	3.63	21.81	0.00	0.00	0.00	0.00	0.00	0.00	9.86	0.05
130.00	60.00	1.50	18.96	0.00	0.00	4.92	16.55	3.58	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.05
120.00	60.00	1.47	18.90	0.00	0.00	4.96	16.55	3.52	21.81	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.05

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.07	9.65	0.01	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.06	9.81	0.01	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.06	9.97	0.01	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.06	10.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.06	10.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.06	10.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.06	10.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.06	10.95	0.01	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.06	11.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.05	11.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00

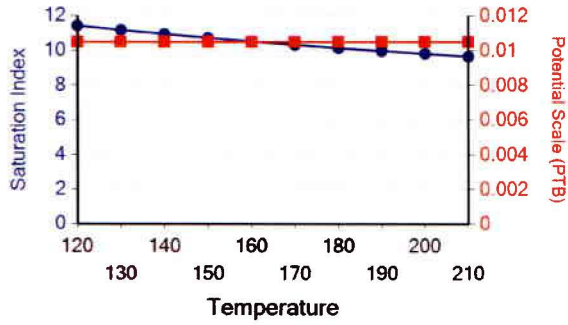
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

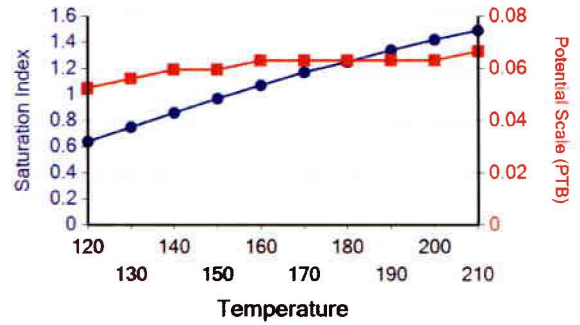


Water Analysis Report

Lead Sulfide



Zinc Carbonate



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **WELLS DRAW INJ FACILITY**
 Sample Point: **Commingled After Filter**
 Sample Date: **11/18/2013**
 Sample ID: **WA-259493**

Sales Rep: **Jacob Bird**
 Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	11/26/2013	<i>Cations</i>		<i>Anions</i>	
System Temperature 1 (°F):	120	mg/L		mg/L	
System Pressure 1 (psig):	2000	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Temperature 2 (°F):	210	Potassium (K):	39.00	Sulfate (SO4):	41.00
System Pressure 2 (psig):	2000	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1122.00
Calculated Density (g/ml):	0.999	Calcium (Ca):	41.00	Carbonate (CO3):	
pH:	6.50	Strontium (Sr):	0.70	Acetic Acid (CH3COO)	
Calculated TDS (mg/L):	2413.76	Barium (Ba):	0.00	Propionic Acid (C2H5COO)	
CO2 in Gas (%):		Iron (Fe):	0.11	Butanoic Acid (C3H7COO)	
Dissolved CO2 (mg/L):	24.00	Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
H2S in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
H2S in Water (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
		Manganese (Mn):	0.00	Silica (SiO2):	4.92

Notes:
B=4 Al=18 Li=0

(PTB = Pounds per Thousand Barrels)

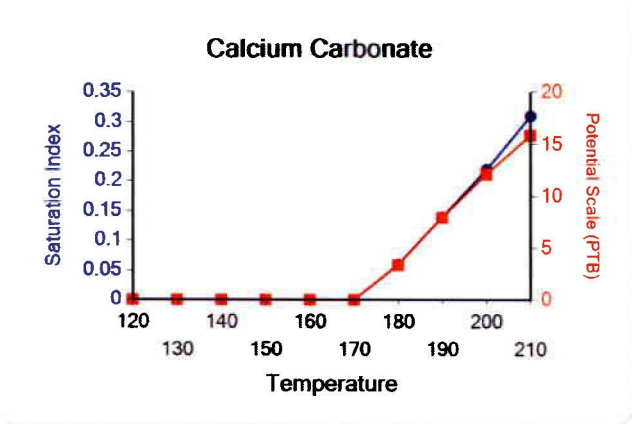
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	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
190.00	2000.00	0.14	7.94	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
180.00	2000.00	0.06	3.37	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
170.00	2000.00	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	0.00	0.00
160.00	2000.00	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	0.00	0.00
150.00	2000.00	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	0.00	0.00
140.00	2000.00	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	0.00	0.00
130.00	2000.00	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	0.00	0.00
120.00	2000.00	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	0.00	0.00

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	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	0.00	0.00
200.00	2000.00	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	0.00	0.00
190.00	2000.00	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	0.00	0.00
180.00	2000.00	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	0.00	0.00
170.00	2000.00	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	0.00	0.00
160.00	2000.00	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	0.00	0.00
150.00	2000.00	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	0.00	0.00
140.00	2000.00	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	0.00	0.00
130.00	2000.00	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	0.00	0.00
120.00	2000.00	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	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate

These scales have positive scaling potential under final temperature and pressure:



Attachment "G"

**Federal #2-17-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax
Top	Bottom			(psi/ft)	
5736	5750	5743	2000	0.78	1963
5591	5604	5598	2050	0.80	2014
5262	5273	5268	2700	0.95	2666
5172	5182	5177	2150	0.85	2116
5044	5052	5048	2600	0.95	2567
4940	4954	4947	1900	0.82	1868 ←
4727	4741	4734	2050	0.87	2019
4431	4443	4437	2650	1.03	2621
4202	4209	4206	2200	0.96	2173
				Minimum	<u><u>1868</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

NEWFIELD ATTACHMENT G-1

10815



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** 9-30-06 **Day:** 01
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP3 sds	5736-5750'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Sep-06 **SITP:** _____ **SICP:** 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6003' & cement top @ 140'. Perforate stage #1, CP3 sds @ 5736-50' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 56 shots. 143 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 143 **Starting oil rec to date:** _____
Fluid lost/recovered today: 0 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 143 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: _____ **Job Type:** _____
Company: _____
Procedure or Equipment detail: _____

COSTS

Weatherford BOP	\$450
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$6,211
Drilling cost	\$318,037
Loyds Hot Oil	\$420
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** _____
Avg TP: _____ **Avg Rate:** _____ **Total Prop pmpd:** _____
ISIP: _____ **5 min:** _____ **10 min:** _____ **FG:** _____

Completion Supervisor: Ron Shuck

DAILY COST: \$332,518
TOTAL WELL COST: \$332,518



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 4, 2006 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8" @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP3 sds	5736-5750'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 03-Oct-06 **SITP:** _____ **SICP:** 0 psi

Day 2a.

RU BJ Services. 0 psi on well. Frac CP3 sds w/ 29,681#'s of 20/40 sand in 375 bbls of Lightning 17 fluid. Broke @ 2485 psi Treated w/ ave pressure of 2184 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2000 psi. Leave pressure on well. 518 BWTR. See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 143 **Starting oil rec to date:** _____
Fluid lost/recovered today: 375 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 518 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP3 sands

COSTS

BJ Services-CP3	\$21,968
NPC frac wtr	\$576
NPC fuel gas	\$100
Weatherford tools/serv	\$950
NPC trucking	\$300
NPC Supervisor	\$75

3000 gals of pad

2319 gals W/ 1-4 ppg of 20/40 sand

4677 gals W/ 4-6.5 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 5250 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2369 **Max Rate:** 25.1 BPM **Total fluid pmpd:** 375 bbls
Avg TP: 2184 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 29,681#'s
ISIP: 2000 **5 min:** _____ **10 min:** _____ **FG:** .78

Completion Supervisor: Orson Barney

DAILY COST: \$23,969
TOTAL WELL COST: \$356,487

NEWFIELD



ATTACHMENT G-1

3 of 15

DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 4, 2006 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 03-Oct-06 **SITP:** _____ **SICP:** 1588 psi

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 13' perf gun. Set plug @ 5660'. Perforate CP1 sds @ 5591- 5604' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 52 shots. RU BJ Services. 1588 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. 1435 psi on well. Frac CP1 sds w/ 34,101#'s of 20/40 sand in 395 bbls of Lightning 17 fluid. Broke @ 3749 psi Treated w/ ave pressure of 2194 psi @ ave rate of 24.6 BPM. NO ACID PUMPED IN FLUSH FOR STAGE #3 (Valve shut on acid transport). ISIP 2050 psi. Leave pressure on well. 913 BWTR. See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 518 **Starting oil rec to date:** _____
Fluid lost/recovered today: 395 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 913 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP1 sands

3300 gals of pad
2431 gals W/ 1-4 ppg of 20/40 sand
4890 gals W/ 4-6.5 ppg of 20/40 sand
gals W/ 6.5 ppg of 20/40 sand
Flush W/ gals of slick water
"NO ACID PUMPED IN FLUSH"

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2438 **Max Rate:** 24.9 BPM **Total fluid pmpd:** 395 bbls
Avg TP: 2194 **Avg Rate:** 24.6 BPM **Total Prop pmpd:** 34,101#'s
ISIP: 2050 **5 min:** _____ **10 min:** _____ **FG:** .80

Completion Supervisor: Orson Barney

COSTS

BJ Services-CP1	\$14,411
NPC frac wtr	\$720
NPC fuel gas	\$125
Weatherford tools/serv	\$2,450
Lone Wolf WL	\$5,074
NPC Supervisor	\$75

DAILY COST: \$22,855
TOTAL WELL COST: \$379,342



4 of 15

DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 4, 2006 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5380'
BP: 5660'

PERFORATION RECORD

Zone	Perfs	SPF#shots	Zone	Perfs	SPF#shots
			LODC	5262-5273'	4/44
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 03-Oct-06 **SITP:** _____ **SICP:** 1730 psi

Day 2c.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 11' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5262- 73' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 44 shots. RU BJ Services. 1730 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid (2 runs due to misfire). RU BJ Services. 1565 psi on well. Frac LODC sds w/ 49,346#'s of 20/40 sand in 429 bbls of Lightning 17 fluid. Broke @ 4097 psi Treated w/ ave pressure of 2882 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage # 4. ISIP 2700 psi. Leave pressure on well. 1342 BWTR. See Day 2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 913 **Starting oil rec to date:** _____
Fluid lost/recovered today: 429 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1342 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: LODC sands

- _____ 3800 gals of pad
- _____ 2625 gals W/ 1-5 ppg of 20/40 sand
- _____ 5250 gals W/ 5-8 ppg of 20/40 sand
- _____ 1051 gals W/ 8 ppg of 20/40 sand
- _____ Flush W/ 504 gals of 15% HCL acid
- _____ Flush W/ 4788 gals of slick water

Flush called @ blender--includes 2 bbls pump/line volume

Max TP: 3121 **Max Rate:** 25.2 BPM **Total fluid pmpd:** 429 bls
Avg TP: 2882 **Avg Rate:** 24.6 BPM **Total Prop pmpd:** 49,346#'s
ISIP: 2700 **5 min:** _____ **10 min:** _____ **FG:** .95

Completion Supervisor: Orson Barney

COSTS

BJ Services-LODC	\$16,850
NPC frac wtr	\$1,008
NPC fuel gas	\$175
Weatherford tools/serv	\$2,450
Lone Wolf WL	\$4,294
NPC Supervisor	\$75

DAILY COST: \$24,852
TOTAL WELL COST: \$404,194



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 4, 2006 **Day:** 2d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5225'
BP: 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5262-5273'	4/44
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 03-Oct-06 **SITP:** _____ **SICP:** 2224 psi

Day 2d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 10' perf gun. Set plug @ 5225'. Perforate A3 sds @ 5172- 82' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 40 shots. RU BJ Services. 2224 psi on well. Frac A3 sds w/ 29,420#'s of 20/40 sand in 358 bbls of Lightning 17 fluid. Broke @ 3747 psi Treated w/ ave pressure of 2296 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage # 5. ISIP 2150 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5110'. Perforate A1 sds @ 5044- 52' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 32 shots. Leave pressure on well. 1700 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1342 **Starting oil rec to date:** _____
Fluid lost/recovered today: 358 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1700 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A3 sands

- 3000 gals of pad
- 2319 gals W/ 1-4 ppg of 20/40 sand
- 4551 gals W/ 4-6.5 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4662 gals of slick water

****Flush called @ blender—includes 2 bbls pump/line volume****

Max TP: 2391 **Max Rate:** 25 BPM **Total fluid pmpd:** 358 bbls
Avg TP: 2296 **Avg Rate:** 24.7 BPM **Total Prop pmpd:** 29,420#'s
ISIP: 2150 **5 min:** _____ **10 min:** _____ **FG:** .84

Completion Supervisor: Orson Barney

COSTS

BJ Services-A3	\$21,968
NPC frac wtr	\$576
NPC fuel gas	\$100
Weatherford tools/serv	\$2,450
Lone Wolf WL-A3	\$3,903
NPC Supervisor	\$75
Lone Wolf WL-A1	\$3,123

DAILY COST: \$32,195

TOTAL WELL COST: \$436,389



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 5, 2006 **Day:** 3a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6003'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 5225'
BP: 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5262-5273'	4/44
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-06 **SITP:** _____ **SICP:** 1302 psi

Day 3a.

RU BJ Services. 1302 psi on well. Frac A1 sds w/ 34,720#'s of 20/40 sand in 386 bbls of Lightning 17 fluid. Broke @ 2545 psi Treated w/ ave pressure of 2198 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2600 psi. Leave pressure on well. 2086 BWTR. See Day 3b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1700 **Starting oil rec to date:** _____
Fluid lost/recovered today: 386 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2086 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A1 sands

COSTS

BJ Services-A1	\$14,411
NPC frac wtr	\$720
NPC fuel gas	\$125
Weatherford tools/serv	\$2,450
NPC Supervisor	\$60

- 3300 gals of pad
- 2431 gals W/ 1-4 ppg of 20/40 sand
- 4890 gals W/ 4-6.5 ppg of 20/40 sand
- 509 gals W/ 6.5 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4578 gals of slick water

Flush called @ blender--includes 2 bbls pump/line volume

Max TP: 2357 **Max Rate:** 25.2 BPM **Total fluid pmpd:** 386 bbls
Avg TP: 2198 **Avg Rate:** 24.8 BPM **Total Prop pmpd:** 34,720#'s
ISIP: 2600 **5 min:** _____ **10 min:** _____ **FG:** .95

Completion Supervisor: Orson Barney

DAILY COST: \$17,766
TOTAL WELL COST: \$454,155



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 5, 2006 **Day:** 3b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8" @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 5005'
BP: 5110', 5225', 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF#shots	Zone	Perfs	SPF#shots
			LODC	5262-5273'	4/44
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56
B2 sds	4940-4954'	4/56			
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-06 **SITP:** _____ **SICP:** 1715 psi

Day 3b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 14' perf gun. Set plug @ 5005'. Perforate B2 sds @ 4940- 54' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 56 shots. RU BJ Services. 1715 psi on well. Frac B2 sds w/ 59,969#s of 20/40 sand in 475 bbls of Lightning 17 fluid. Broke @ 4136 psi Treated w/ ave pressure of 1792 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #7. ISIP 1900 psi. Leave pressure on well. 2561 BWTR. See Day 3c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2086 **Starting oil rec to date:** _____
Fluid lost/recovered today: 475 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2561 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: B2 sands

- 4600 gals of pad
- 3000 gals W/ 1-5 ppg of 20/40 sand
- 6000 gals W/ 5-8 ppg of 20/40 sand
- 1478 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4368 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2123 **Max Rate:** 25.3 BPM **Total fluid pmpd:** 475 bbls
Avg TP: 1792 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 59,969#s
ISIP: 1900 **5 min:** _____ **10 min:** _____ **FG:** .82

Completion Supervisor: Orson Barney

COSTS

BJ Services-B2	\$19,035
NPC frac wtr	\$1,224
NPC fuel gas	\$213
Weatherford tools/serv	\$2,450
Lone Wolf WL-B2	\$4,512
NPC Supervisor	\$60

DAILY COST: \$27,494

TOTAL WELL COST: \$481,649

NEWFIELD



ATTACHMENT G-1

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DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 5, 2006 **Day:** 3c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 4840'
BP: 5005', 5110', 5225', 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5262-5273'	4/44
			CP1 sds	5591-5604'	4/52
			CP3 sds	5736-5750'	4/56
D2 sds	4727-4741'	4/56			
B2 sds	4940-4954'	4/56			
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-06 **SITP:** _____ **SICP:** 1469 psi

Day 3c.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 14' perf gun. Set plug @ 4840'. Perforate D2 sds @ 4727- 41' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 56 shots. RU BJ Services. 1469 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid (2 runs due to misfire). RU BJ Services. 1340 psi on well. Frac D2 sds w/ 34,580#'s of 20/40 sand in 374 bbls of Lightning 17 fluid. Broke @ 4039 psi Treated w/ ave pressure of 1871 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #8. ISIP 2050 psi. Leave pressure on well. 2935 BWTR. See Day 3d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2561 **Starting oil rec to date:** _____
Fluid lost/recovered today: 374 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2935 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: D2 sands

- _____ 3300 gals of pad
- _____ 2431 gals W/ 1-4 ppg of 20/40 sand
- _____ 4890 gals W/ 4-6.5 ppg of 20/40 sand
- _____ 341 gals W/ 6.5 ppg of 20/40 sand
- _____ Flush W/ 504 gals of 15% HCL acid
- _____ Flush W/ 4242 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2090 **Max Rate:** 25.3 BPM **Total fluid pmpd:** 374 bbls
Avg TP: 1871 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 34,580#'s
ISIP: 2050 **5 min:** _____ **10 min:** _____ **FG:** .87

Completion Supervisor: Orson Barney

COSTS

BJ Services-D2	\$23,067
NPC frac wtr	\$720
NPC fuel gas	\$125
Weatherford tools/serv	\$2,450
Lone Wolf WL-D2	\$4,512
NPC Supervisor	\$60

DAILY COST: \$30,934

TOTAL WELL COST: \$512,583



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DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 5, 2006 **Day:** 3d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6003'WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 4540'
BP: 4840', 5005', 5110', 5225', 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC	5262-5273'	4/44
<u>PB10</u>	<u>4431-4443'</u>	<u>4/48</u>	<u>CP1 sds</u>	<u>5591-5604'</u>	<u>4/52</u>
<u>D2 sds</u>	<u>4727-4741'</u>	<u>4/56</u>	<u>CP3 sds</u>	<u>5736-5750'</u>	<u>4/56</u>
<u>B2 sds</u>	<u>4940-4954'</u>	<u>4/56</u>	_____	_____	_____
<u>A1 sds</u>	<u>5044-5052'</u>	<u>4/32</u>	_____	_____	_____
<u>A3 sds</u>	<u>5172-5182'</u>	<u>4/40</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-06 **SITP:** _____ **SICP:** 1492 psi

Day 3d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 12' perf gun. Set plug @ 4540'. Perforate PB10 sds @ 4431- 43' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 48 shots. RU BJ Services. 1492 psi on well. Frac PB10 sds w/ 50,316#'s of 20/40 sand in 406 bbls of Lightning 17 fluid. Broke @ 2573 psi Treated w/ ave pressure of 2487 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #9. ISIP 2650 psi. Leave pressure on well. 3341 BWTR. See Day 3e.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2935 **Starting oil rec to date:** _____
Fluid lost/recovered today: 406 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 3341 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: PB10 sands

- 3800 gals of pad
- 2625 gals W/ 1-5 ppg of 20/40 sand
- 5250 gals W/ 5-8 ppg of 20/40 sand
- 925 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 3948 gals of slick water

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2676 **Max Rate:** 25.2 BPM **Total fluid pmpd:** 406 bbls
Avg TP: 2487 **Avg Rate:** 24.7 BPM **Total Prop pmpd:** 50,316#'s
ISIP: 2650 **5 min:** _____ **10 min:** _____ **FG:** 1.03

Completion Supervisor: Orson Barney

COSTS

<u>BJ Services-PB10</u>	<u>\$16,850</u>
<u>NPC frac wtr</u>	<u>\$1,008</u>
<u>NPC fuel gas</u>	<u>\$175</u>
<u>Weatherford tools/serv</u>	<u>\$2,450</u>
<u>Lone Wolf WL-PB10</u>	<u>\$3,867</u>
<u>NPC Supervisor</u>	<u>\$60</u>
_____	_____
_____	_____
_____	_____

DAILY COST: _____ \$24,410
TOTAL WELL COST: _____ \$536,993



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 5, 2006 **Day:** 3e
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6003'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** 4310'
 BP: 4540', 4840', 5005', 5110', 5225', 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4202-4209'	4/28	LODC	5262-5273'	4/44
PB10	4431-4443'	4/48	CP1 sds	5591-5604'	4/52
D2 sds	4727-4741'	4/56	CP3 sds	5736-5750'	4/56
B2 sds	4940-4954'	4/56			
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-06 **SITP:** _____ **SICP:** 2040 psi

Day 3e.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 7' perf gun. Set plug @ 4310'. Perforate PB10 sds @ 4202- 09' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 28 shots. RU BJ Services. 2040 psi on well. Frac GB6 sds w/ 31,683#'s of 20/40 sand in 336 bbls of Lightning 17 fluid. Broke @ 2853 psi Treated w/ ave pressure of 2175 psi @ ave rate of 24.9 BPM. ISIP 2200 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 9 1/2 hrs & died. Rec. 580 BTF (16% of total frac). SIWFN w/ 3097 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3341 **Starting oil rec to date:** _____
Fluid lost/recovered today: 244 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 3097 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: GB6 sands

- 3000 gals of pad
- 2319 gals W/ 1-4 ppg of 20/40 sand
- 4719 gals W/ 4-6.5 ppg of 20/40 sand
- Flush W/ 4074 gals of slick water

COSTS

BJ Services-GB6	\$12,483
NPC frac wtr	\$648
NPC fuel gas	\$113
Weatherford tools/serv	\$2,450
Lone Wolf WL-GB6	\$2,256
NPC Supervisor	\$60
NPC flowback hand	\$350
Unichem chemicals	\$450

Max TP: 2330 **Max Rate:** 25.3 BPM **Total fluid pmpd:** 336 bbls
Avg TP: 2175 **Avg Rate:** 24.9 BPM **Total Prop pmpd:** 31,683#'s
ISIP: 2200 **5 min:** _____ **10 min:** _____ **FG:** .96

Completion Supervisor: Orson Barney

DAILY COST: \$18,810
TOTAL WELL COST: \$555,803



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DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 6, 2006 **Day:** 4
Operation: Completion **Rig:** NC#2

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBTD:** 6003'WL
Tbg: Size: 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____
BP: 4540', 4840', 5005', 5110', 5225', 5380', 5660'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	<u>4202-4209'</u>	<u>4/28</u>	LODC	<u>5262-5273'</u>	<u>4/44</u>
PB10	<u>4431-4443'</u>	<u>4/48</u>	CP1 sds	<u>5591-5604'</u>	<u>4/52</u>
D2 sds	<u>4727-4741'</u>	<u>4/56</u>	CP3 sds	<u>5736-5750'</u>	<u>4/56</u>
B2 sds	<u>4940-4954'</u>	<u>4/56</u>	_____	_____	_____
A1 sds	<u>5044-5052'</u>	<u>4/32</u>	_____	_____	_____
A3 sds	<u>5172-5182'</u>	<u>4/40</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/5/06 **SITP:** _____ **SICP:** 300

MIRU NC#2. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" tbg. Tag CBP @ 4310'. RU powerswivel & pump. DU CBP in 35 min. Circulate well clean. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3097 **Starting oil rec to date:** _____
Fluid lost/recovered today: 50 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 3047 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: _____ **Job Type:** _____
Company: _____
Procedure or Equipment detail: _____

COSTS

NC#2	\$
Weatherford BOP	\$3,171
Weatherford P.S.	\$210
B&L new 2 7/8" tbg.	\$850
NPC location cleanup	\$28,892
NDSI Water & trucks	\$300
NDSI Trucking	\$400
NPC trucking	\$1,200
Mtn West sanitation	\$600
Mecham Const.	\$600
Monks pit reclaim	\$19,500
NPC surface equip.	\$1,800
NPC Supervision	\$130,000
DAILY COST:	\$300
TOTAL WELL COST:	\$187,823
	\$743,626

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** _____
Avg TP: _____ **Avg Rate:** _____ **Total Prop pmpd:** _____
ISIP: _____ **5 min:** _____ **10 min:** _____ **FG:** _____
Completion Supervisor: Don Dulen



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 Report Date: Oct 7, 2006 Day: 5
Operation: Completion Rig: NC#2

WELL STATUS

Surf Csg: 8-5/8' @ 323' Prod Csg: 5-1/2" @ 6063' Csg PBTD: 6042'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EQT @: 6000' BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF#shots, Zone, Perfs, SPF#shots. Rows include GB6 sds, PB10, D2 sds, B2 sds, A1 sds, A3 sds, and LODC, CP1 sds, CP3 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/6/06 SITP: 100 SICP: 100

Bleed off well. RIH w/ tbg. Tag CBP @ 4540'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 4840'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5005'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5050'. C/O to CBP @ 5110' (60' of sand). DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5225'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5272'. C/O to CBP @ 5380' (108' of sand). DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5645'. C/O to CBP @ 5660' (15' of sand). DU CBP in 50 min. Cont. RIH w/ tbg. Tag @ 5949'. C/O to PBTD @ 6042' (93' of sand). Circulate well clean. Pull up to 6000'. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3047 Starting oil rec to date:
Fluid lost/recovered today: 120 Oil lost/recovered today:
Ending fluid to be recovered: 3167 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

COSTS

Table with 2 columns: Description, Cost. Rows include NC#2 (\$5,483), Weatherford BOP (\$210), Weatherford P.S. (\$850), CDI TAC (\$525), CDI PSN (\$80), CDI rod pump (\$1,400).

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG:
Completion Supervisor: Don Dulen

NPC Supervision \$300
DAILY COST: \$8,848
TOTAL WELL COST: \$752,474



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 Report Date: Oct 10, 2006 Day: 6
Operation: Completion Rig: NC#2

WELL STATUS

Surf Csg: 8-5/8" @ 323' Prod Csg: 5-1/2" @ 6063' Csg PBTB: 6042'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5835' BP/Sand PBTB:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF#shots, Zone, Perfs, SPF#shots. Rows include GB6 sds, PB10, D2 sds, B2 sds, A1 sds, A3 sds, and LODC, CP1 sds, CP3 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/9/06 SITP: 50 SICP: 50

RIH w/ swab. SFL @ surface. Made 17 runs. Recovered 160 bbls (159 water, 1 oil). No show of sand or gas. Ending oil cut @ approx. 5%. EFL @ 1000'. RD swab. RIH w/ tbg. Tag PBTB @ 6042'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" NC, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 180 jts 2 7/8" tbg. ND BOP. Set TAC @ 5704' w/ 16,000# tension. NU wellhead. X-over for rods. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3167 Starting oil rec to date: 0
Fluid lost/recovered today: 130 Oil lost/recovered today: 1
Ending fluid to be recovered: 3037 Cum oil recovered: 1
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

COSTS

Table with 2 columns: Description, Cost. Rows include NC#2 (\$5,356), Weatherford BOP (\$210), NPC Trucking (\$300).

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG:

Completion Supervisor: Don Dulen

Table with 2 columns: Description, Cost. Rows include NPC Supervision (\$300), DAILY COST (\$6,166), TOTAL WELL COST (\$758,640).



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 **Report Date:** Oct 11, 2006 **Day:** 7
Operation: Completion **Rig:** NC#2

WELL STATUS

Surf Csg: 8-5/8' @ 323' **Prod Csg:** 5-1/2" @ 6063' **Csg PBDT:** 6042'
Tbg: Size: 2 7/8" Wt: 6.5# **Grd:** J-55 **Pkr/EOT @:** 5835' **BP/Sand PBDT:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4202-4209'	4/28	LODC	5262-5273'	4/44
PB10	4431-4443'	4/48	CP1 sds	5591-5604'	4/52
D2 sds	4727-4741'	4/56	CP3 sds	5736-5750'	4/56
B2 sds	4940-4954'	4/56			
A1 sds	5044-5052'	4/32			
A3 sds	5172-5182'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/10/06 **SITP:** 0 **SICP:** 0

RIH w/ CDI 2 1/2" x 1 1/2" x 10' x 14' RHAC pump, 6- 1 1/2" weight bars, 10- 3/4" guided rods, 114- 3/4" slick rods, 100- 3/4" guided rods, 1- 2', 6' x 3/4" pony subs, 1 1/2" x 22' polished rod. Seat pump. Tbg. Was full. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Put well on production @ 3:00 p.m. 86" stroke length, 5 spm. Final Report.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3037 **Starting oil rec to date:** 1
Fluid lost/recovered today: 0 **Oil lost/recovered today:** 0
Ending fluid to be recovered: 3037 **Cum oil recovered:** 1
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

PRODUCTION TBG DETAIL

ROD DETAIL

COSTS

KB 12.00'				NC#2	
180	2 7/8" J-55 tbg	5692.60'	1 1/2" X 22' polished rod	NPC frac tk(10x10days)	\$4,525
	TA 2.80'	5704.60'	1- 2', 6' x 3/4" pony subs	NPC frac head	\$500
2	2 7/8" J-55 tbg	63.23'	100- 3/4" scraped rods	NPC swab tk(4 days)	\$160
	SN 1.10'	5770.63'	114- 3/4" plain rods	Weatherford chomp bit	\$1,150
2	2 7/8" J-55 tbg	63.21'	10- 3/4" scraped rods	"B" grade rod string	\$9,307
	2 7/8" NC.	.45'	6- 1 1/2" weight bars	Polished rod pkg.	\$1,300
	EOT @ 5835.39'		CDI 2 1/2" x 1 1/2" x 14'		
			RHAC pump		

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** _____
Avg TP: _____ **Avg Rate:** _____ **Total Prop pmpd:** _____
ISIP: _____ **5 min:** _____ **10 min:** _____ **FG:** _____
Completion Supervisor: Don Dulen

NPC Supervision \$300
DAILY COST: \$21,242
TOTAL WELL COST: \$779,882



DAILY COMPLETION REPORT

WELL NAME: Federal 2-17-9-16 Report Date: 3-20-08 Day: 1
Operation: Completion Rig: NC#2

WELL STATUS

Surf Csg: 8-5/8' @ 323' Prod Csg: 5-1/2" @ 6063' Csg PBTD: 6042'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5835' BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB6 sds, PB10, D2 sds, B2 sds, A1 sds, A3 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/19/08 SITP: 0 SICP: 0

6:30AM MIRU NC#1, R/D Unit, Wt On Wtr, R/U ZHO, pmp 60 Bbls Wtr D/Csg, Unseat pmp, POOH W/-Polish Rod 3/4x2'-6' Ponys, 1-3/4 Guided Rod, R/U H/Oiler To Tbg, Flush Tbg W/-15 Bbls Wtr, (Note) Pressured Up To 1500 Psi Rods & pmp Were Stuck, R/U H/Oiler To Csg, pmp 40 Bbls Wtr D/Csg While Working Rods & pmp Free. POOH W/-99-3/4 Guided Rods, 114-3/4 Slick Rods, 10-3/4 Guided Rods, 6-1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 Bbls Wtr Or Trip Out Due To Oil. R/U S/Line, RIH To PBTD @ 6042', No Fill. ZHO Flush Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/ CDI-2 1/2x1 1/2x10x14' RHAC & Rod String Shown Below. Seat pmp, R/U Unit, Fill Tbg W/-5 Bbls Wtr, Stroke Unit 8 Tbg To 800 Psi, Good Test. R/D Rig. POP @ 6:30PM 86"SL, 5 SPM. (Final Report).

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date:
Fluid lost/recovered today: 140 Oil lost/recovered today:
Ending fluid to be recovered: 140 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

TUBING DETAIL

ROD DETAIL

COSTS

Table with 3 columns: Tubing Detail, Rod Detail, Costs. Rows include KB = 12.0, 180 Jts Tbg = 5692.60, T/A = 2.80 @ 5704.60 KB, 2 Jts Tbg = 63.23, S/N = 1.10 @ 5770.63 KB, 2 Jts Tbg = 63.21, N/C = .45 @ 5835.39 KB.

DAILY COST: \$0

Completion Supervisor: Duane Freston.

TOTAL WELL COST: \$10,434

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4152'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 152' balance plug using 17 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" cement down 5 ½" casing to 373'

The approximate cost to plug and abandon this well is \$42,000.

Federal 2-17-9-16

Spud Date: 08/29/06
 Put on Production: 10/10/06
 K.B.: 5898, G.L.: 5886

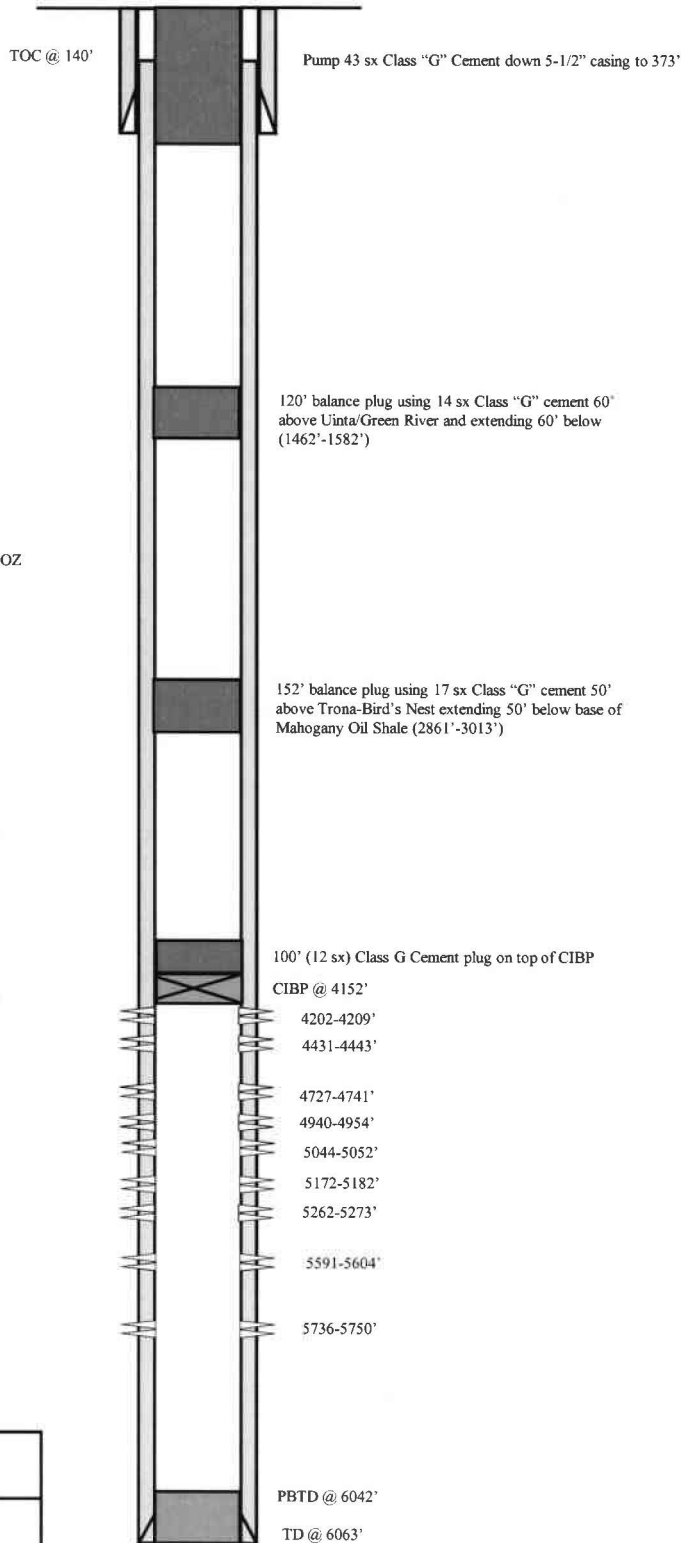
SURFACE CASING


CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.30')
 DEPTH LANDED: 323.15' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 3 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6063.92')
 DEPTH LANDED: 6063.17' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP AT: 140' per CBL 9/30/06

Proposed P & A Wellbore Diagram




<p>Federal 2-17-9-16 669' FNL & 1785' FEL NW/NE Section 17-T9S-R16E Duchesne Co, Utah API #43-013-33029; Lease #UTU-64379</p>

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: Federal 2-17-9-16	
2. NAME OF OPERATOR: Newfield Production Company	9. API NUMBER: 43013330290000	
3. ADDRESS OF OPERATOR: 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	PHONE NUMBER: 435-646-4802	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 669 FNL 1785 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWE Section: 17 Township: 9S Range: 16E Meridian: S	COUNTY: DUCHESNE	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/11/2019	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 10/08/2019 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/11/2019 the casing was pressured up to 1087 psig and charted for 15 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1815 psig during the test. There was a State representative available to witness the test – Mark Gwynn.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 17, 2019
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Field Production Assistant
SIGNATURE N/A		DATE 10/15/2019

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company
10530 South County Rd #33
Myton, UT 84052
435.646.3721

UDOGM Witness: MARK Gwynn Date: 10-11-2019 Time: 7:46 am pm
 Test Conducted By: EVERETT UNRUH
 Others Present: _____

Well Name: <u>Federal 2-17-9-16</u>			
Field: <u>MONUMENT BUTE</u>	County: <u>Duchesne</u>	State: <u>UT</u>	
Location: <u>NWNE</u> Sec: <u>17</u>	T <u>9</u>	N/S <u>16</u>	R <u>16</u> <input checked="" type="radio"/> W
Operator: <u>Newfield</u>	API # <u>43-013-33039</u>		
Last MIT: <u>11/10/2014</u>	Maximum Allowable Pressure: <u>1868</u> psig		

Is this a regulary scheduled test? Yes { } No
 Initial Test for Permit? { } Yes No
 Test after well rework? { } Yes No
 Well injection during test? Yes { } No If Yes, rate: 34 bpd

Pre-test casing / tubing annulus pressure: 1813 psig

MIT DATA TABLE	Test #1	Test #2
TUBING PRESSURE		
Initial Pressure	<u>1813</u> psig	psig
End of test pressure	<u>1815</u> psig	psig
CASING / TUBING ANNULUS PRESSURE		
0 minutes	<u>1088.6</u> psig	psig
5 minutes	<u>1088.0</u> psig	psig
10 minutes	<u>1087.8</u> psig	psig
15 minutes	<u>1087.2</u> psig	psig
20 minutes	psig	psig
25 minutes	psig	psig
30 minutes	psig	psig
_____ minutes	psig	psig
_____ minutes	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass { } Fail	{ } Pass { } Fail

Does the annulus pressure build back up after test? { } Yes No

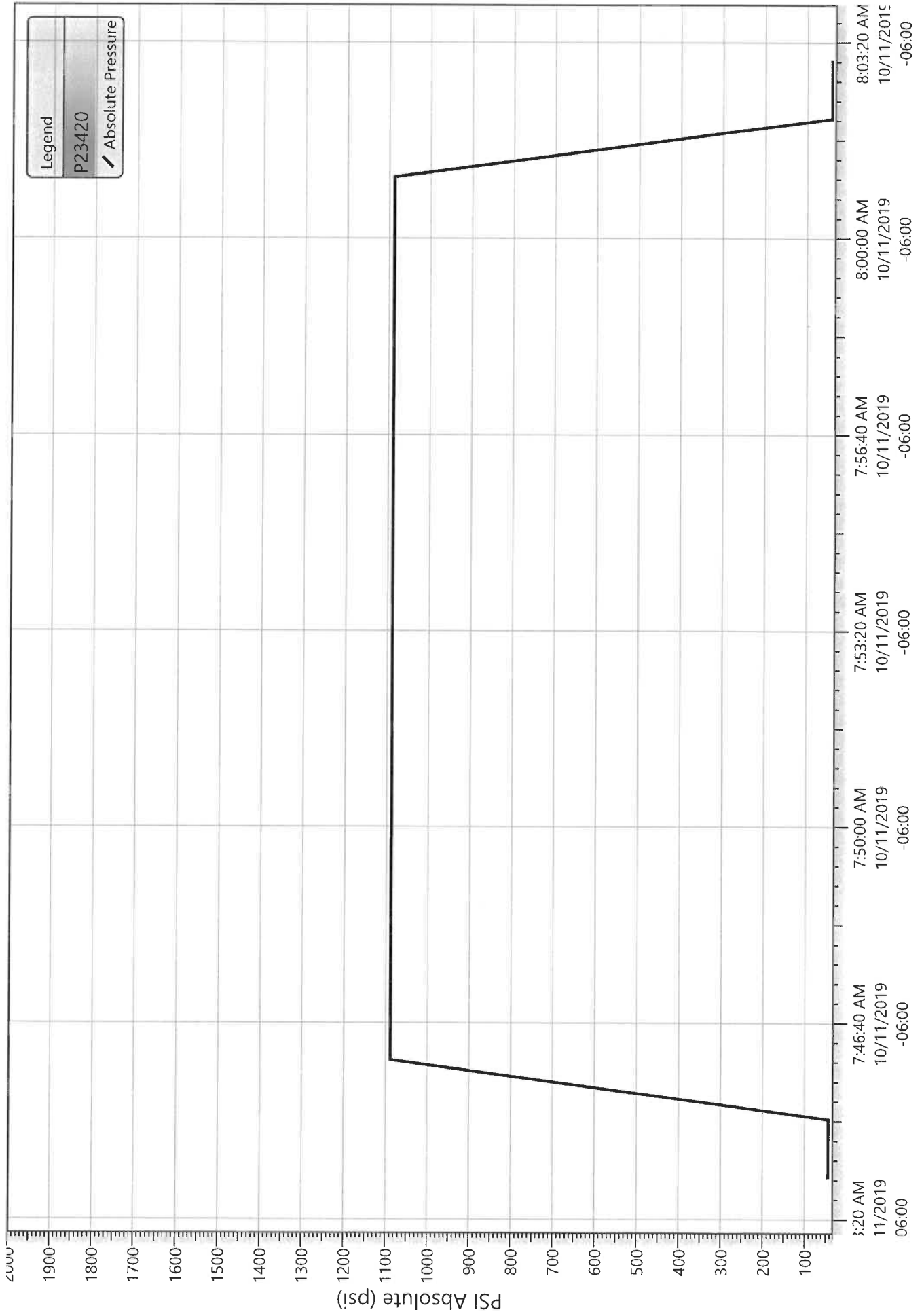
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Mark Gwynn

Signature of Person Conducting Test: Everett Unruh

Federal 2-17-9-16 (10/11/2019, 5 yr. MIT)

10/11/2019 7:43:09 AM



Division of Oil, Gas and Mining
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

FORMER OPERATOR: Newfield Production Company	NEW OPERATOR: Ovintiv Production, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4704

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
- Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
- New operator Division of Corporations Business Number: 755627-0143

REVIEW:

- Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
- Reports current for Production/Disposition & Sundries: 1/14/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020

Surface Facility(s) included in operator change:

- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17
- Ashley Fed 8-14-9-15 Pipeline
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Temporary Produced Water Conditioning Site
- Dart Temporary Produced Water Facility
- Earl Temporary Water Treatment Facility

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): B001834.A
 107238142-Shut-In Bond

DATA ENTRY:

Well(s) update in the RBDMS on: 1/14/2021

Group(s) update in RDBMS on: 1/14/2021

Surface Facilities update in RBDMS on: 1/14/2021

Entities Updated in RBDMS on:

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached list

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
see attached

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
see attached

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
attached

3. ADDRESS OF OPERATOR:
4 Waterway Square Place St. CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:
(435) 646-4936

10. FIELD AND POOL, OR WILDCAT:
attached

4. LOCATION OF WELL
FOOTAGES AT SURFACE: _____ COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

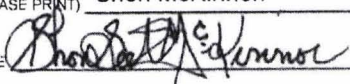
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:
Newfield Producion Company
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NEW NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies
SIGNATURE  DATE 3/16/2020

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Newfield Production Company		8. WELL NAME and NUMBER: see attached
3. ADDRESS OF OPERATOR: 4. Waterway Square Place SU CITY The Woodlands STATE TX ZIP 77380		9. API NUMBER: attached
PHONE NUMBER: (435) 646-4936		10. FIELD AND POOL, OR WILDCAT: attached
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: _____		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:
Newfield Production Company
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NEW NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NAME (PLEASE PRINT) <u>Shon McKinnon</u>	TITLE <u>Regulatory Manager, Rockies</u>
SIGNATURE	DATE <u>3/16/2020</u>

(This space for State use only)



TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list	API Number Attached
Location of Well	Field or Unit Name See Attached
Footage : County :	Lease Designation and Number See Attached
QQ, Section, Township, Range: State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/24/2020

CURRENT OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

NEW OPERATOR

Company: <u>Ovintiv Production, Inc</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

Mar 25, 2020

EPA approval required

- Max Inj. Press.
- Max Inj. Rate
- Perm. Inj. Interval
- Packer Depth
- Next MIT Due

Effective Date: 7/1/2021

FORMER OPERATOR: Ovintiv Production, Inc.	NEW OPERATOR: Ovintiv USA, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4689
 Pre-Notice Completed: 9/22/2021

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
- Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
- New operator Division of Corporations Business Number: 5053175-0143

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021
 Reports current for Production/Disposition & Sundries: 9/22/2021
 OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021
 UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021
 Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): B001834-B
 107238142A

DATA ENTRY:

Well(s) update in the RBDMS on: 11/24/2021
 Group(s) update in RDBMS on: 11/21/2021
 Surface Facilities update in RBDMS on: 11/24/2021
 Entities Updated in RBDMS on: 11/24/2021

COMMENTS:

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additional bond will be required at this time.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:
Ovintiv Production, Inc.

9. API NUMBER:

3. ADDRESS OF OPERATOR:
4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:
(281) 210-5100

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>7/1/2021</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(281) 210-5100

NEW NAME:
Ovintiv USA Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter

TITLE Manager, US Regulatory Operations

SIGNATURE *Julia M Carter*

DATE 9/8/2021

(This space for State use only)

APPROVED

By Utah Division of
Oil, Gas, and Mining

Rachel Medina



TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name See Attached
Footage :	County :	Lease Designation and Number See Attached
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 7/1/2021

CURRENT OPERATOR

Company: <u>Ovintiv Production, Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

NEW OPERATOR

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

(This space for State use only) Approved by the
Utah Division of
Oil, Gas and Mining

[Signature]
Oct 04, 2021

EPA approval required

Max Inj. Press.
Max Inj. Rate
Perm. Inj. Interval
Packer Depth
Next MIT Due

Effective Date: 9/1/2022

FORMER OPERATOR:	NEW OPERATOR:
Ovintiv USA, Inc.	Scout Energy Management, LLC
Groups:	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 2888

Pre-Notice Completed: 10/19/2022

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2022
- Sundry or legal documentation was received from the **NEW** operator on: 9/26/2022
- New operator Division of Corporations Business Number: 12607016-0161

REVIEW:

- Receipt of Acceptance of Drilling Procedures for APD on: 11/15/2022
- Reports current for Production/Disposition & Sundries: 10/19/2022
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/11/2022
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Orlan 12/15/2022
- Surface Facility(s) included in operator change: 10/19/2022

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s):
 612402641-Blanket Bond
 612402460-Full-Cost Shut-In Bond

DATA ENTRY:

Well(s) update in the RBDMS on: 12/20/2022 and 1/25/2023

Group(s) update in RDBMS on: 12/20/2022

Surface Facilities update in RBDMS on: NA

Entities Updated in RBDMS on: 1/25/2023

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A
		7. UNIT or CA AGREEMENT NAME: Greater Monument Butte Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: See attached Exhibit A	
2. NAME OF OPERATOR: Scout Energy Management, LLC	9. API NUMBER: Attached	
3. ADDRESS OF OPERATOR: 13800 Montfort Road, Suite 1 <small>CITY</small> Dallas <small>STATE</small> TX <small>ZIP</small> 75240	PHONE NUMBER: (972) 325-1096	10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached Exhibit A		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

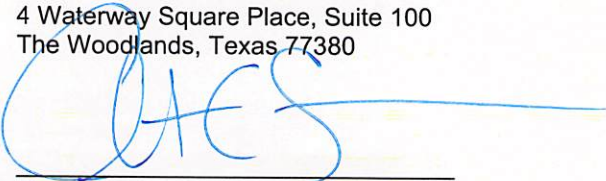
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	


12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

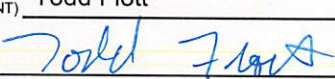
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:
Ovintiv USA Inc.
4 Waterway Square Place, Suite 100
The Woodlands, Texas 77380

NEW OPERATOR:
Scout Energy Management, LLC
13800 Montfort Road, Suite 100
Dallas, TX 75240


Signature - Christian C. Sizemore
Director, Rockies and Land Innovation
State/Fee Bond #105189977
BLM Bond #105073466


Signature - Todd Flott
Managing Director
State/Fee Bond #612402460 / #61242461
BLM Bond #612402462

NAME (PLEASE PRINT) <u>Todd Flott</u>	TITLE <u>Managing Director</u>
SIGNATURE 	DATE <u>8/31/2022</u>

(This space for State use only)

APPROVED
By Rachel Medina at 10:58 am, Dec 21, 2022



TRANSFER OF AUTHORITY TO INJECT

Well Name and Number see attached list		API Number attached
Location of Well		Field or Unit Name see attached Exhibit A
Footage :	County : see attached	Lease Designation and Number see attached Exhibit A
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2022

CURRENT OPERATOR

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Christian C. Sizemore</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Director, Rockies and Land Innovation</u>
Phone: <u>281-210-5100</u>	Date: <u>11/16/2022</u>
Comments: UIC wells under UDOGM Jurisdiction	

NEW OPERATOR

Company: <u>Scout Energy Management LLC</u>	Name: <u>Jon Piot</u>
Address: <u>13800 Montford Road, Suite 100</u>	Signature:
<u>city Dallas state TX zip 75240</u>	Title: <u>Managing Director</u>
Phone: <u>972-325-1027</u>	Date: <u>11/15/2022</u>
Comments: Change of operator effective 9/1/2022	

(This space for State use only)

EPA approval required

- Max Inj. Press.
- Max Inj. Rate
- Perm. Inj. Interval
- Packer Depth
- Next MIT Due