



RECEIVED

SEP 03 2004

DIV. OF OIL, GAS &amp; MINING

September 2, 2004

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: Ashley Federal 14-13-9-15, 16-13-9-15,  
14-14-9-15, and 16-14-9-15.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 8-13-9-16 and 13-13-9-16 are Exception Locations. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate Exception Location Letters. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Lana Nebeker  
Production Clerk

enclosures

Form 3160-3  
(September 2001)

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-68548

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
Ashley

8. Lease Name and Well No.  
Ashley Federal 14-13-9-15

9. API Well No. **43-013-3 2669**

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/SW Sec. 13, T9S R15E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
Inland 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 SE/SW 758' FSL 2020' FWL **569793X 40.02572**  
At proposed prod. zone **4430722Y -110.18209**

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 17.0 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 562' f/lse, 3260' f/unit  
Approx. 2,737'

16. No. of Acres in lease  
711.22

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. 2,737'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6158.3' GL

22. Approximate date work will start\*  
1st Quarter 2005

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:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 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).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

|                                      |                                      |                       |
|--------------------------------------|--------------------------------------|-----------------------|
| 25. Signature<br><i>Lana Nebeker</i> | Name (Printed/Typed)<br>Lana Nebeker | Date<br><b>9-2-04</b> |
| Title<br>Production Clerk            |                                      |                       |
| Approved by (Signature)              | Name (Printed/Typed)                 | Date                  |
| Title                                | Office                               |                       |

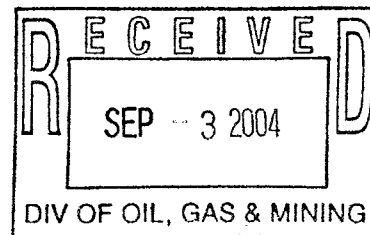
Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

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)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: **9-14-04**  
BY: *[Signature]*

Federal Approval of this  
Action is Necessary



# T9S, R15E, S.L.B.&M.

S89°55'W - 80.16 (G.L.O.)

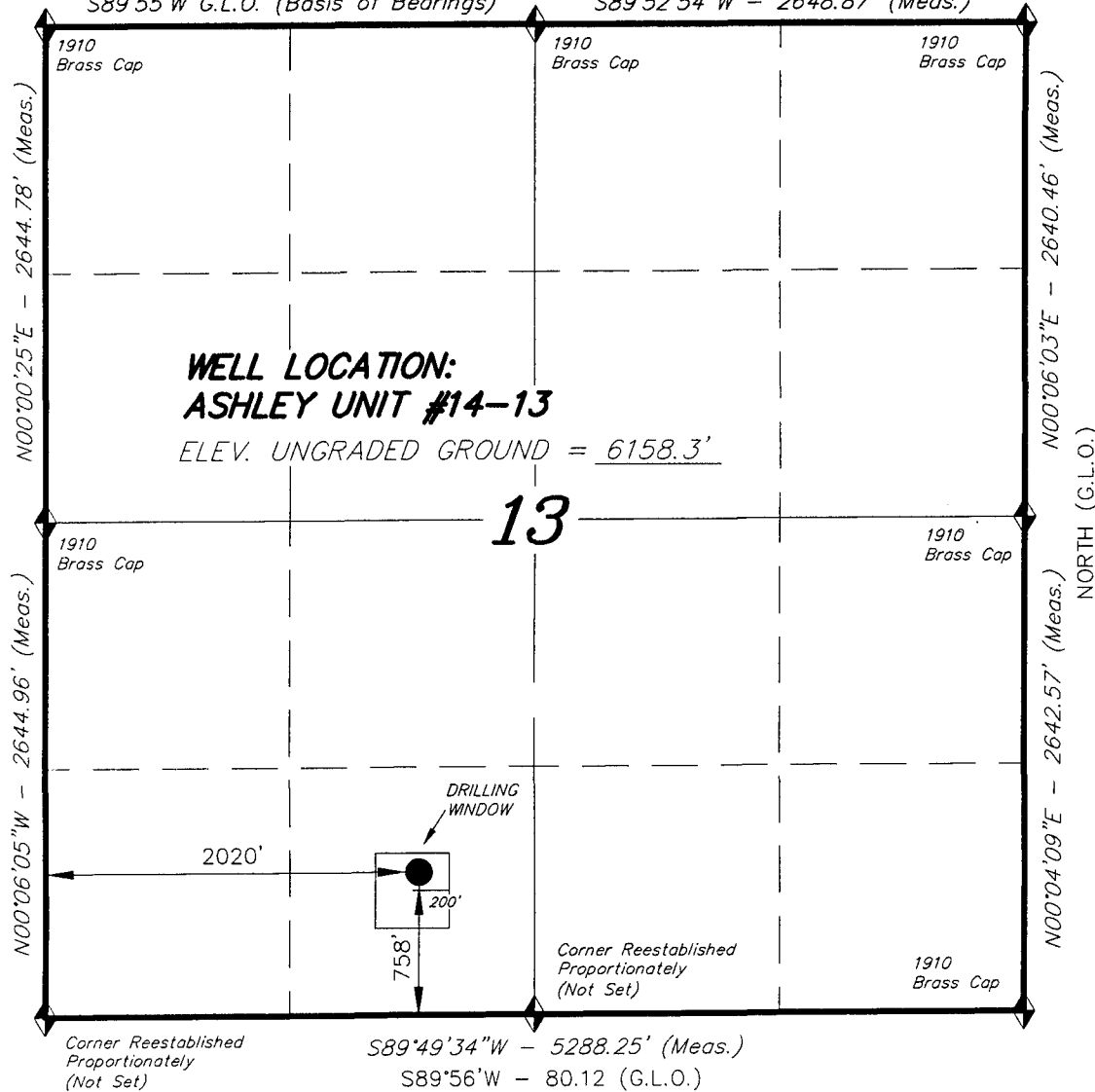
2651.57' (Measured)

S89°55'W G.L.O. (Basis of Bearings)

S89°52'54"W - 2648.87' (Meas.)

## INLAND PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT #14-13,  
LOCATED AS SHOWN IN THE SE 1/4 SW  
1/4 OF SECTION 13, T9S, R15E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:  
ASHLEY UNIT #14-13**

ELEV. UNGRADED GROUND = 6158.3'

**13**

DRILLING WINDOW

2020'

200'

758'

Corner Reestablished  
Proportionately  
(Not Set)

S89°49'34"W - 5288.25' (Meas.)

S89°56'W - 80.12 (G.L.O.)

Corner Reestablished  
Proportionately  
(Not Set)

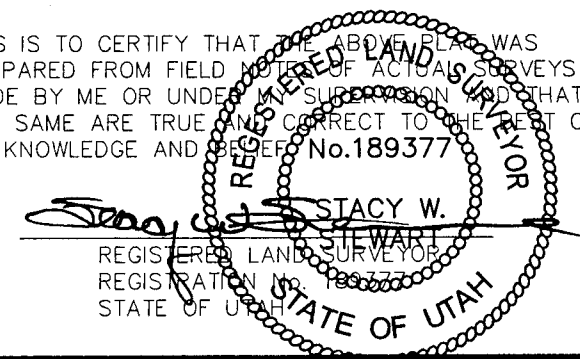
◆ = SECTION CORNERS LOCATED

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



AUG 18 2004

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



**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 8-18-04     | DRAWN BY: F.T.M.    |
| NOTES:            | FILE #              |

INLAND PRODUCTION COMPANY  
ASHLEY 14-13-9-15  
SE/SW SECTION 13, T9S, R15E  
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' – 1640' |
| Green River | 1640'      |
| Wasatch     | 6030'      |

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

Green River Formation 1640' – 6500' - 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 2000 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.

INLAND PRODUCTION COMPANY  
ASHLEY FEDERAL #14-13-9-15  
SE/SW SECTION 13, T9S, R15E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Ashley Federal #14-13-9-15 located in the SE 1/4 SW 1/4 Section 13, T9S, R15E, 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 along Hwy 53 - 11.3 miles  $\pm$  to it's junction with an existing dirt road to the northwest; proceed 3.1 miles  $\pm$  to it's junction with an existing road to the east; proceed easterly .1.0 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southeasterly along the proposed access road - 405'  $\pm$  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

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. MOAC Report #01-163,05/23/02. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

For the Ashley Federal #14-13-9-15 Inland Production Company requests 405' of disturbed area be granted in the Ashley Unit 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.

Inland Production Company requests 405' of disturbed area be granted in the Ashley Unit to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 2" gas gathering line, and a 2" 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 Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland'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:**

No new construction or surface disturbance within a 2 mile radius of strutting grounds March 1 – June 30.

**Reserve Pit Liner**

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

**Muffler**

To reduce noise levels in the area, a hospital muffler or multi-cylinder engine shall be installed on the pumping unit.

**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)

|                                  |                             |            |
|----------------------------------|-----------------------------|------------|
| Black Sage                       | <i>Artemisia Nova</i>       | 1 lbs/acre |
| Indian Rice Grass                | <i>Oryzopsis Hymenoides</i> | 6 lbs/acre |
| Beardless Blue Bunch Wheat Grass | <i>Agropyron Spicatum</i>   | 5 lbs/acre |

**Details of the On-Site Inspection**

The proposed Ashley Federal #14-13-9-15 was on-sited on 4/15/04. The following were present; Brad Mecham (Inland Production), David Gerbig (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham

Address: Route #3 Box 3630  
Myton, UT 84052


Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #14-13-9-15 SE/SW Section 13, Township 9S, Range 15E: Ashley Unit; 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.

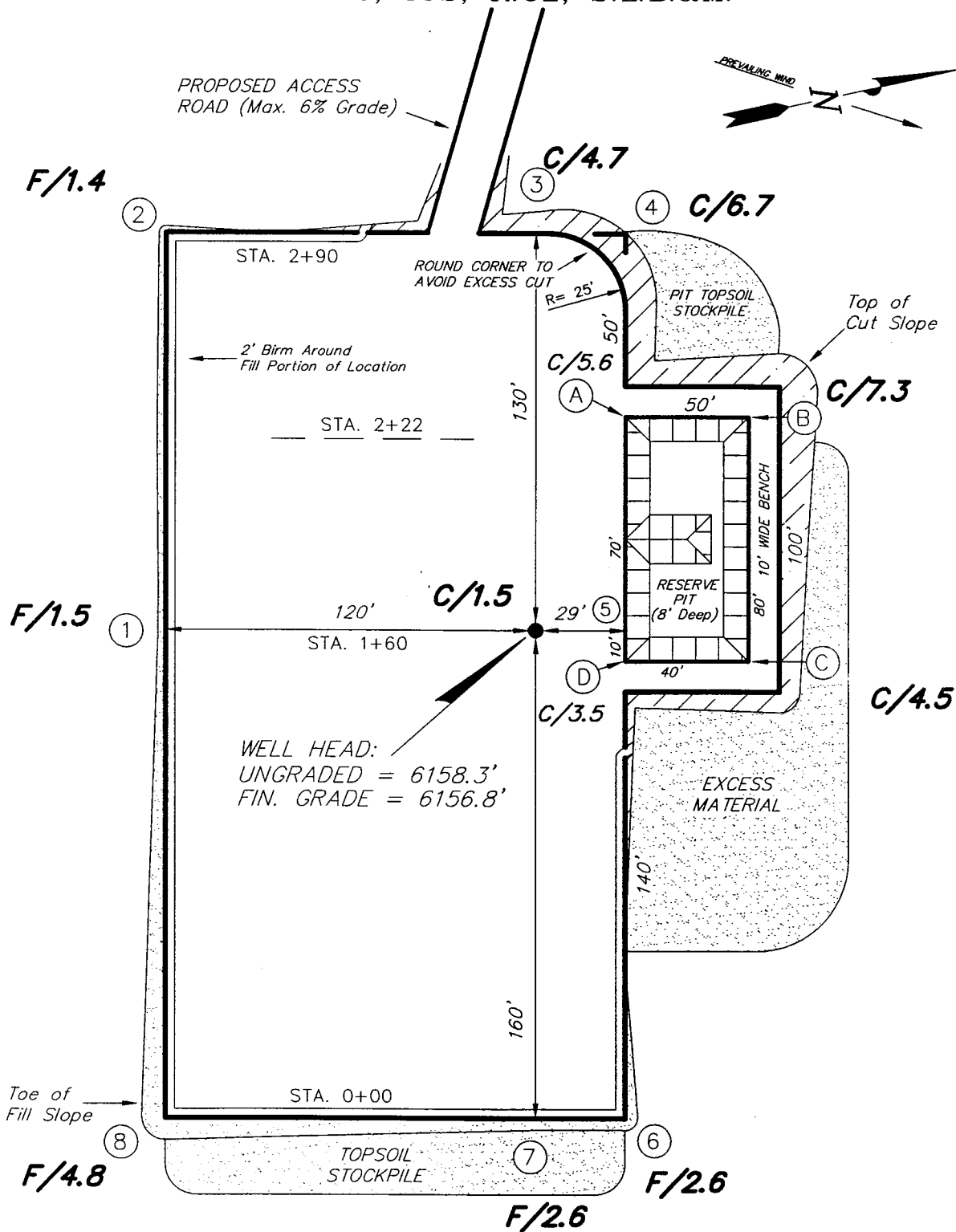
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland 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.

9-2-04  
Date

  
Lana Nebeker  
Production Clerk

# INLAND PRODUCTION COMPANY

ASHLEY UNIT 14-13  
 Section 13, T9S, R15E, S.L.B.&M.



**REFERENCE POINTS**

210' EAST = 6152.3'

260' EAST = 6149.9'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

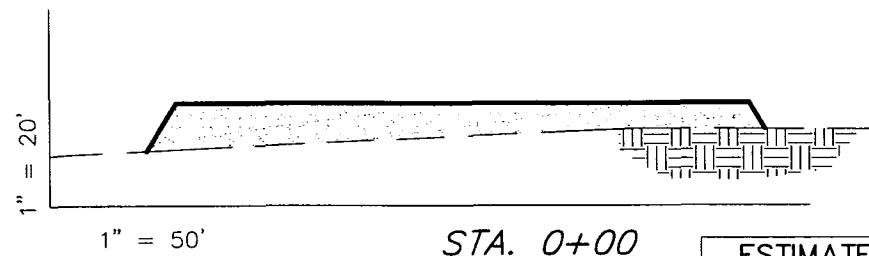
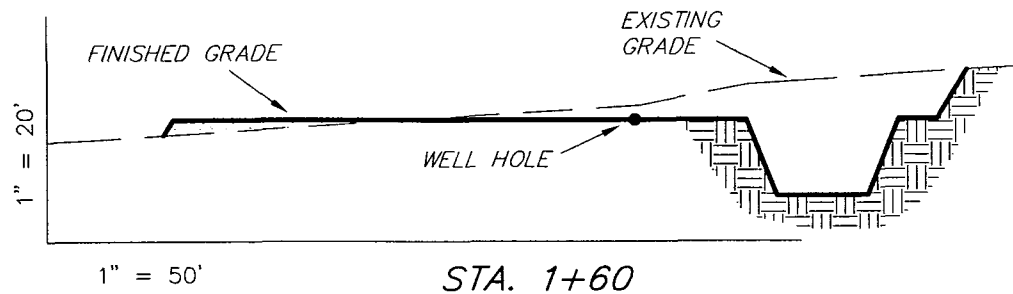
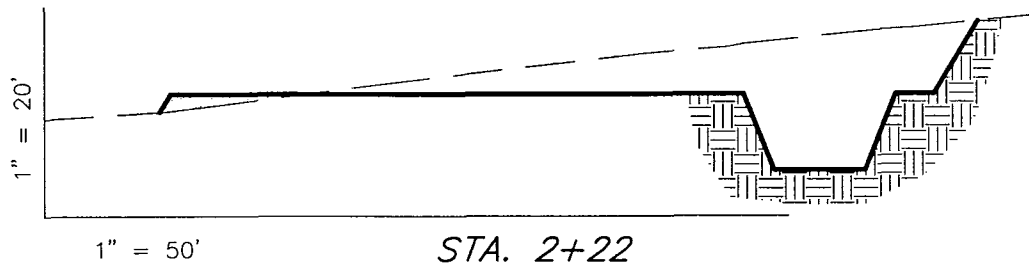
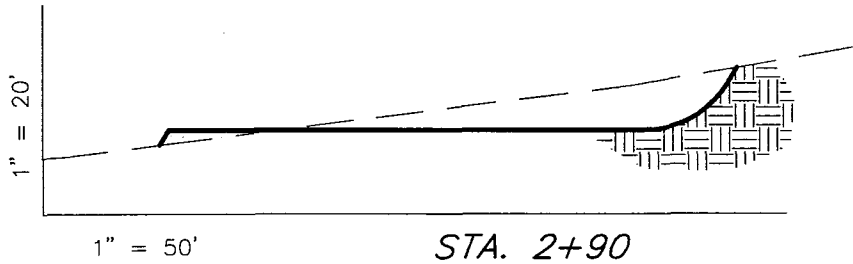
DRAWN BY: F.T.M.

DATE: 8-18-04

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



**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**ASHLEY UNIT 14-13**



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

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

| ITEM          | CUT          | FILL         | 6" TOPSOIL                               | EXCESS     |
|---------------|--------------|--------------|--|------------|
| PAD           | 2,260        | 2,260        | Topsoil is<br>not included<br>in Pad Cut | 0          |
| PIT           | 640          | 0            |  | 640        |
| <b>TOTALS</b> | <b>2,900</b> | <b>2,260</b> | <b>890</b>                               | <b>640</b> |

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

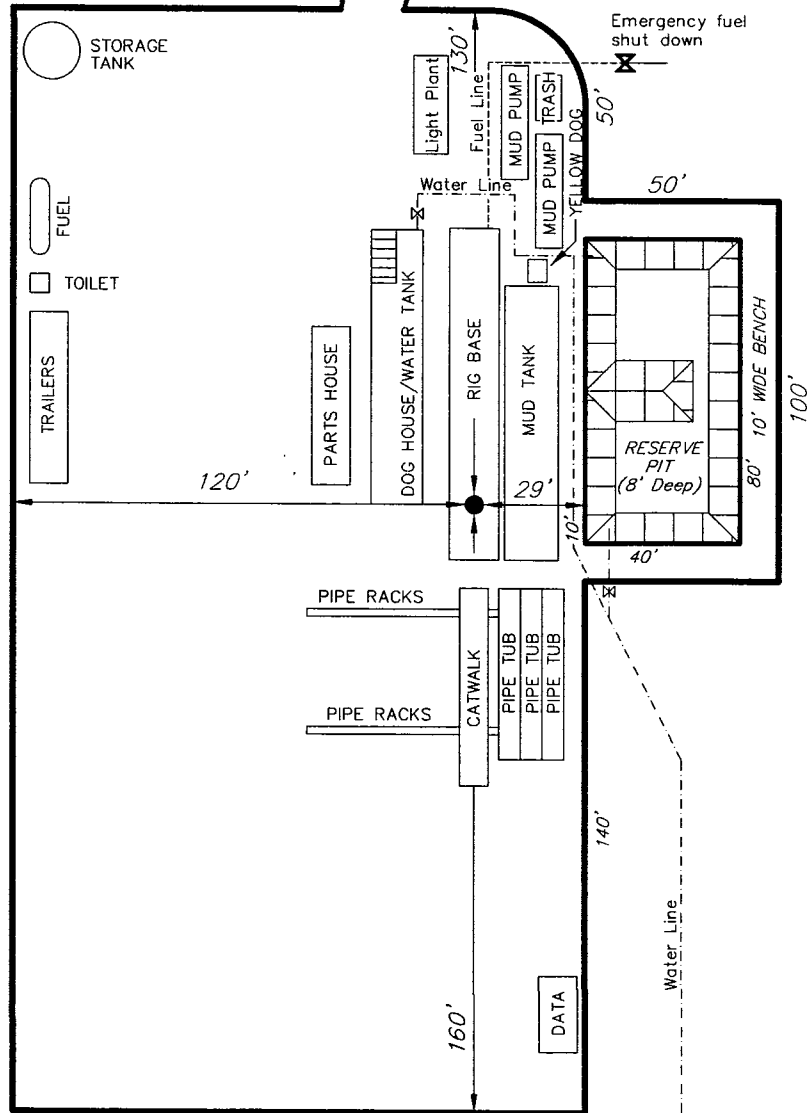
DATE: 8-18-04

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

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT ASHLEY UNIT 14-13

PROPOSED ACCESS ROAD (Max. 6% Grade)



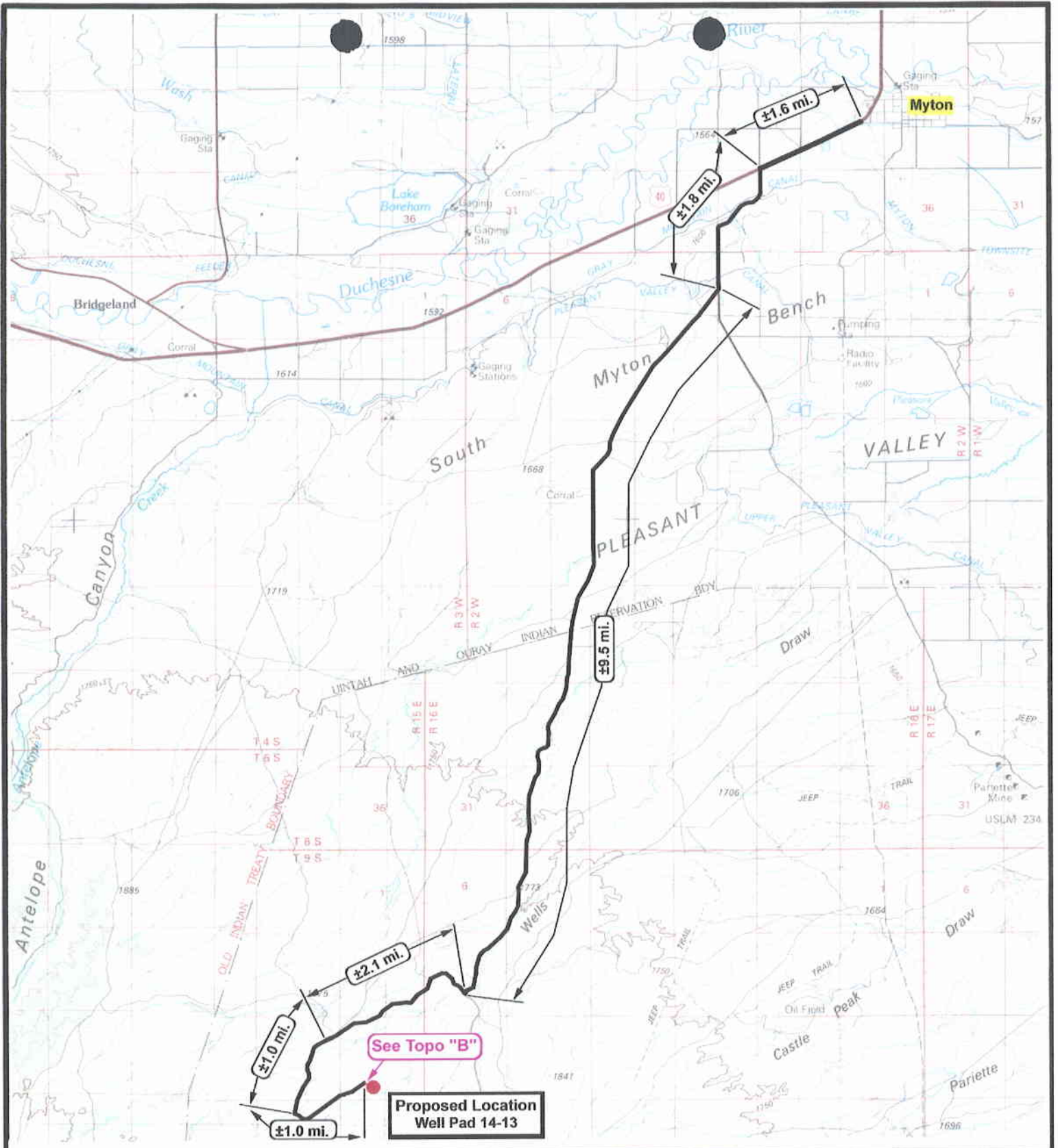
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-18-04

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



**Ashley Unit 14-13**  
**SEC. 13, T9S, R15E, S.L.B.&M.**



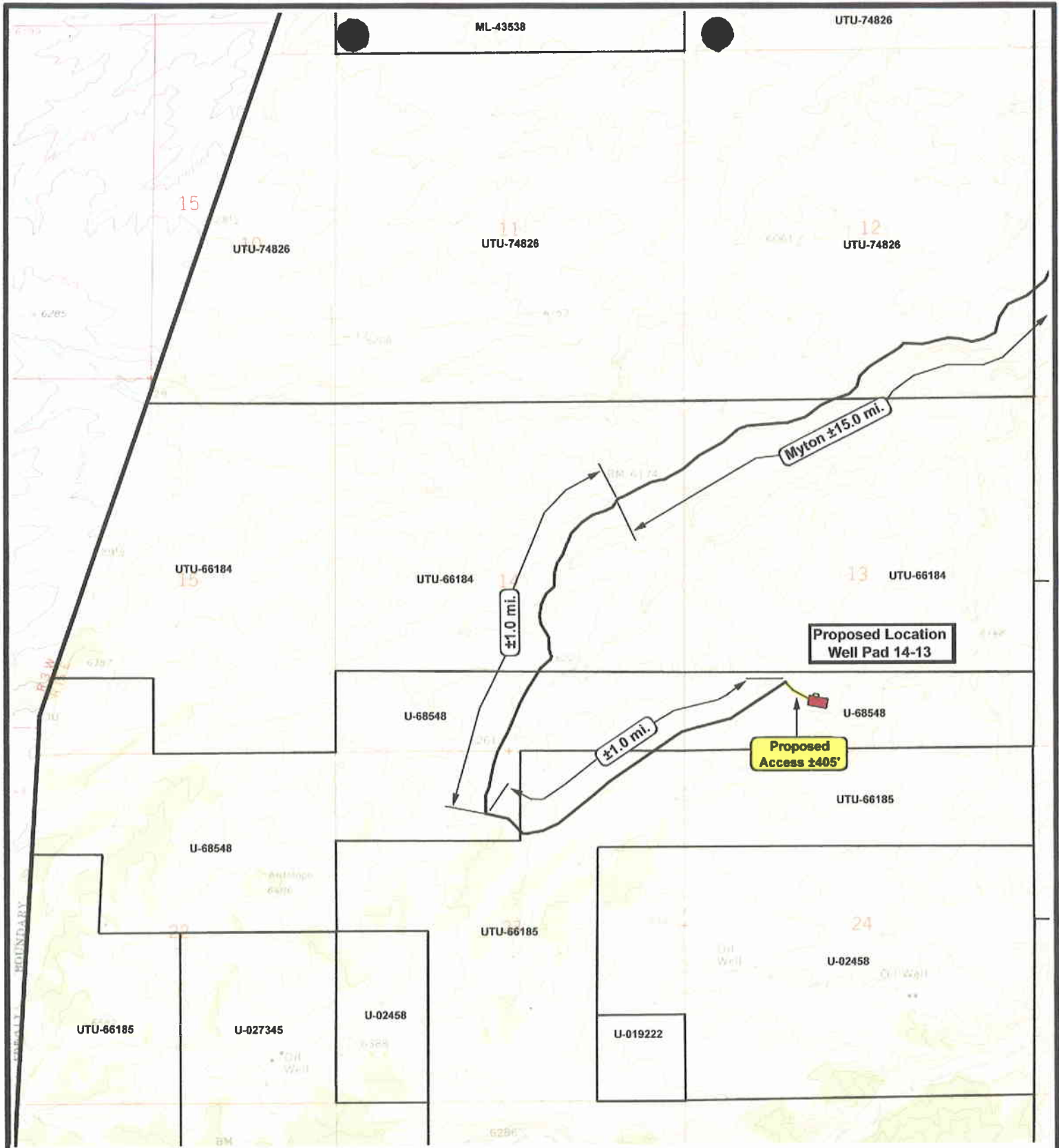
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: bgm  
 DATE: 08-18-2004

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
"A"



**Ashley Unit 14-13  
SEC. 13, T9S, R15E, S.L.B.&M.**

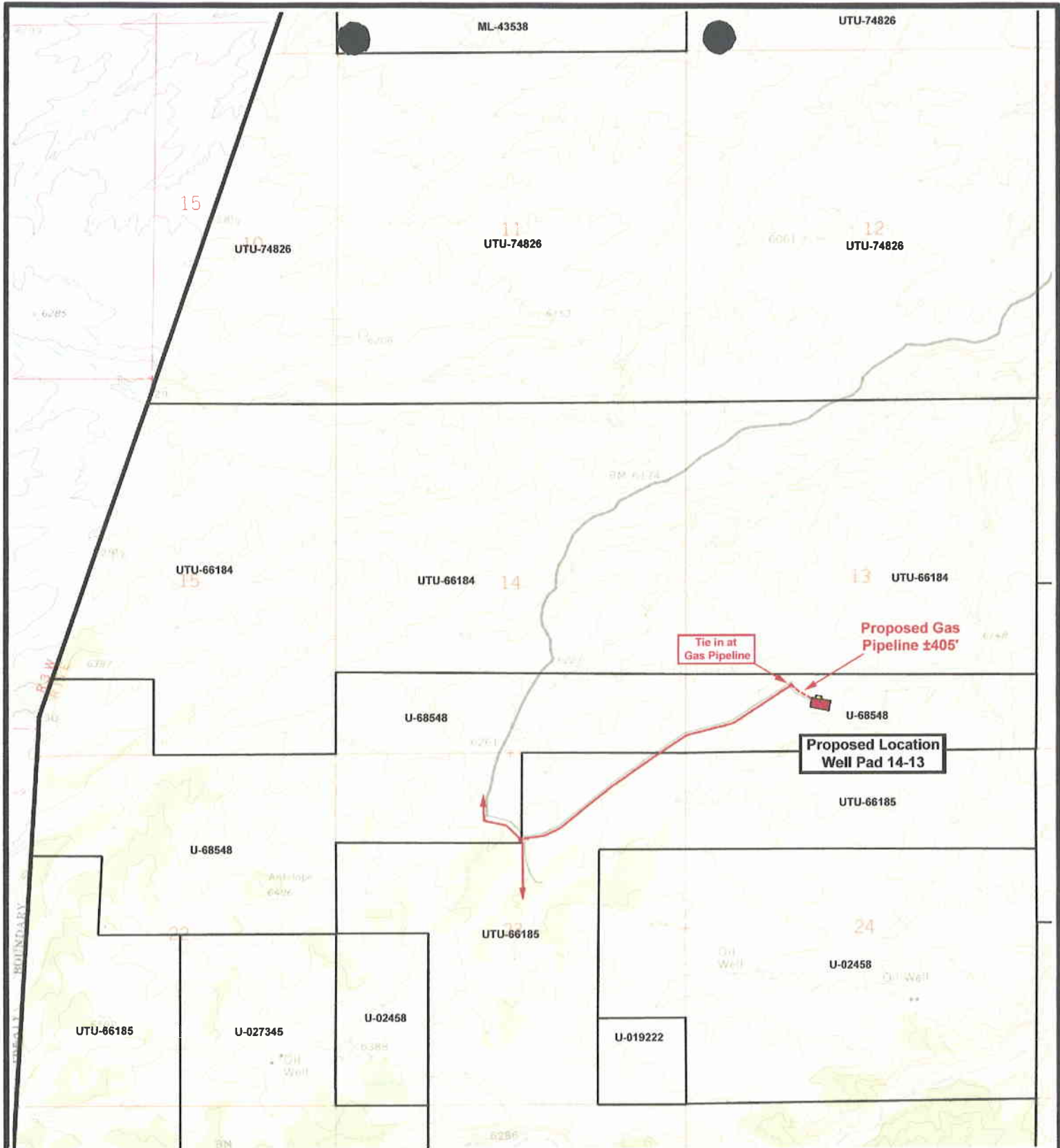


*Tri-State  
Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-18-2004

- Legend**
- Existing Road
  - Proposed Access

TOPOGRAPHIC MAP  
**"B"**



RESOURCES INC.

**Ashley Unit 14-13  
SEC. 13, T9S, R15E, S.L.B.&M.**



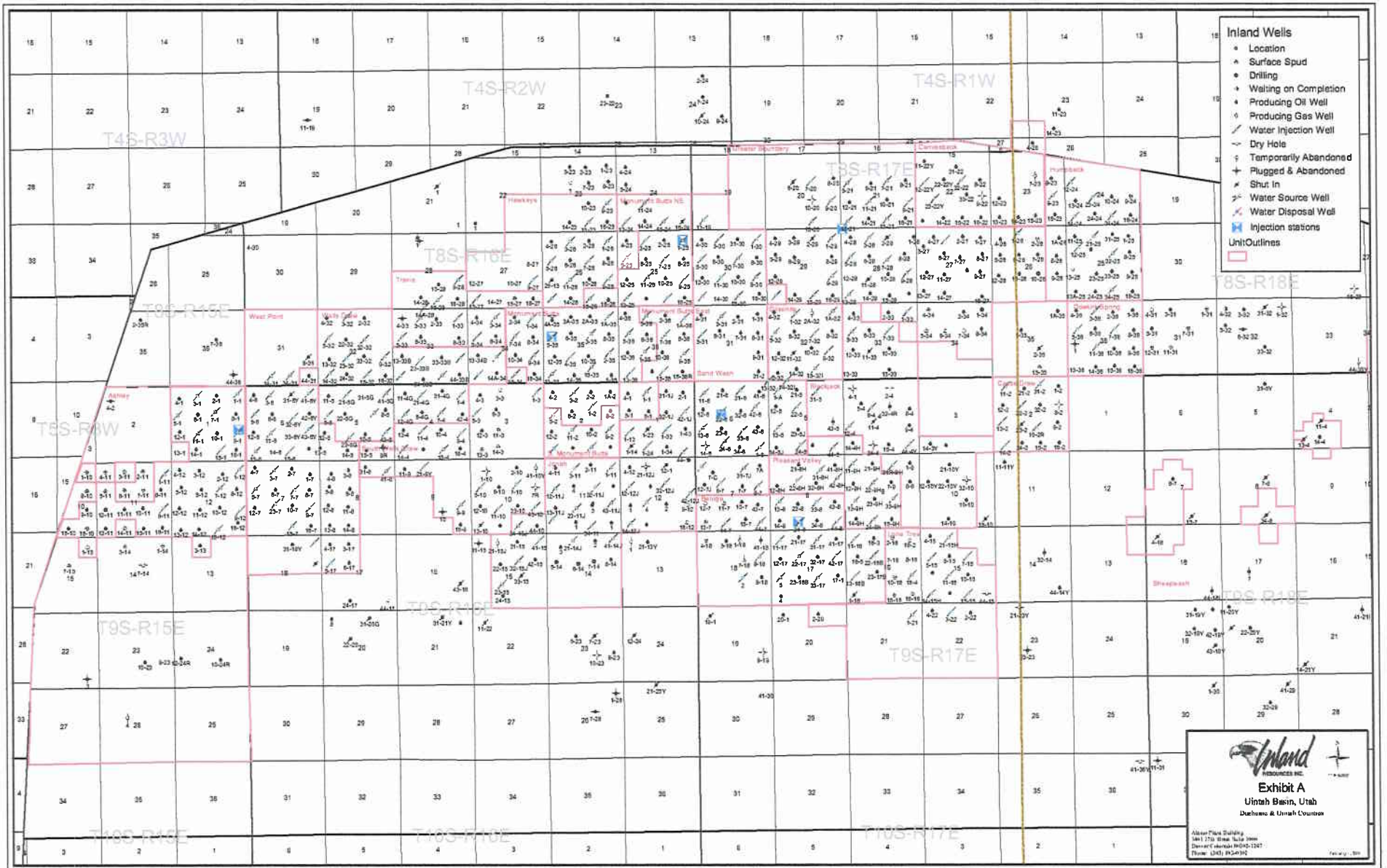
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-18-2004

**Legend**

- Roads
- Existing Gas Line
- Proposed Gas Line

**TOPOGRAPHIC MAP**  
**"C"**



UTU-74826

UTU-74

UTU-66184

UTU-64379

U-02458

98/15E

Proposed Location  
Well Pad 14-13



Ashley Unit 14-13  
SEC. 13, T9S, R15E, S.L.B.&M.



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

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-18-2004

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

# 2-M SYSTEM

Blowout Prevention Equipment Systems

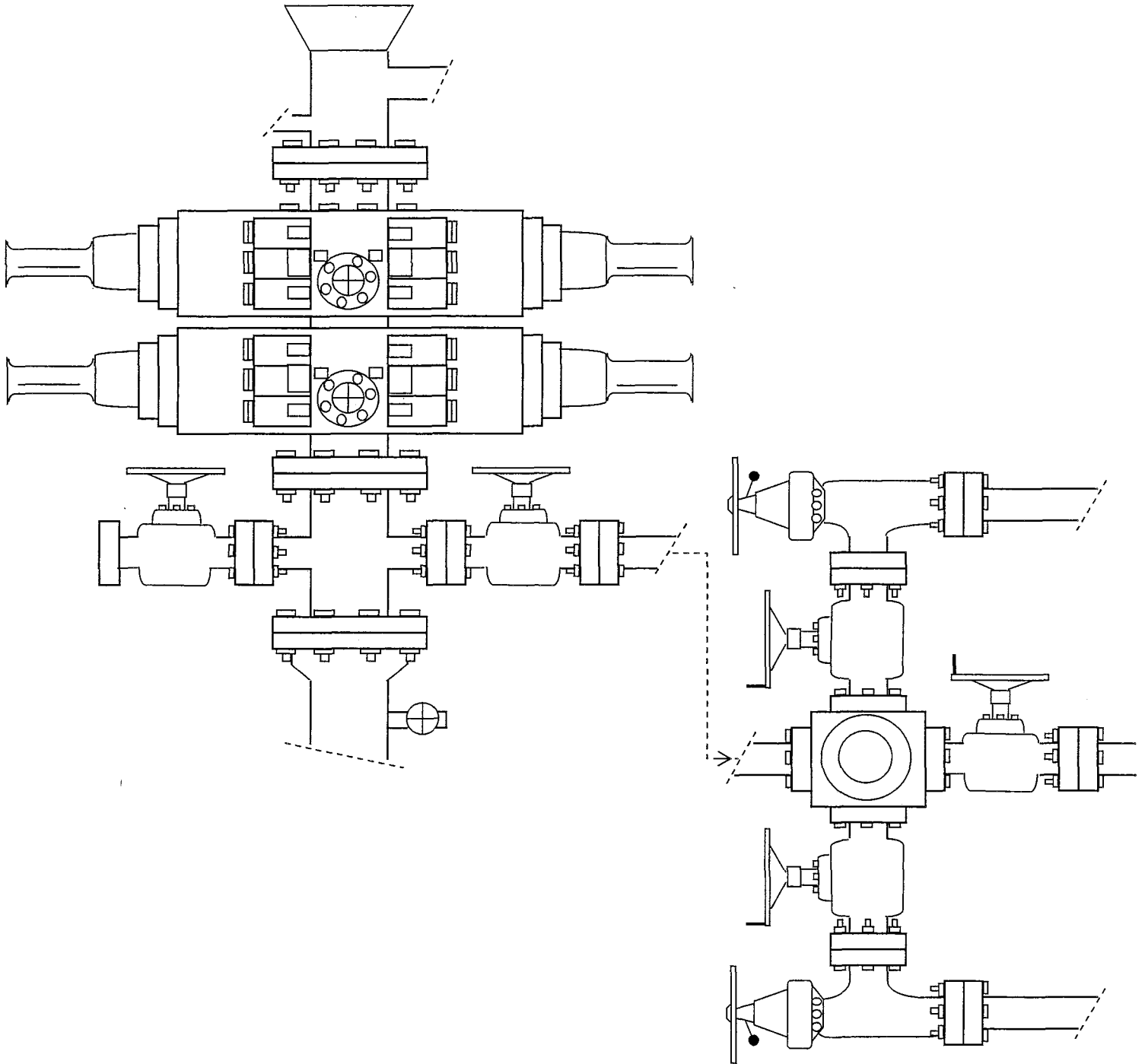


EXHIBIT C



CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCES' 1750 ACRE ASHLEY UNIT, IN  
TOWNSHIP 9S, RANGE 15E, SECTIONS 13, 14, AND 15,  
DUCHESNE COUNTY, UTAH

Anne Raney  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

Prepared Under Contract With:

Jon D. Holst & Associates  
for  
Inland Resources  
2507 Flintridge Place  
Fort Collins, CO 80521

Prepared By:

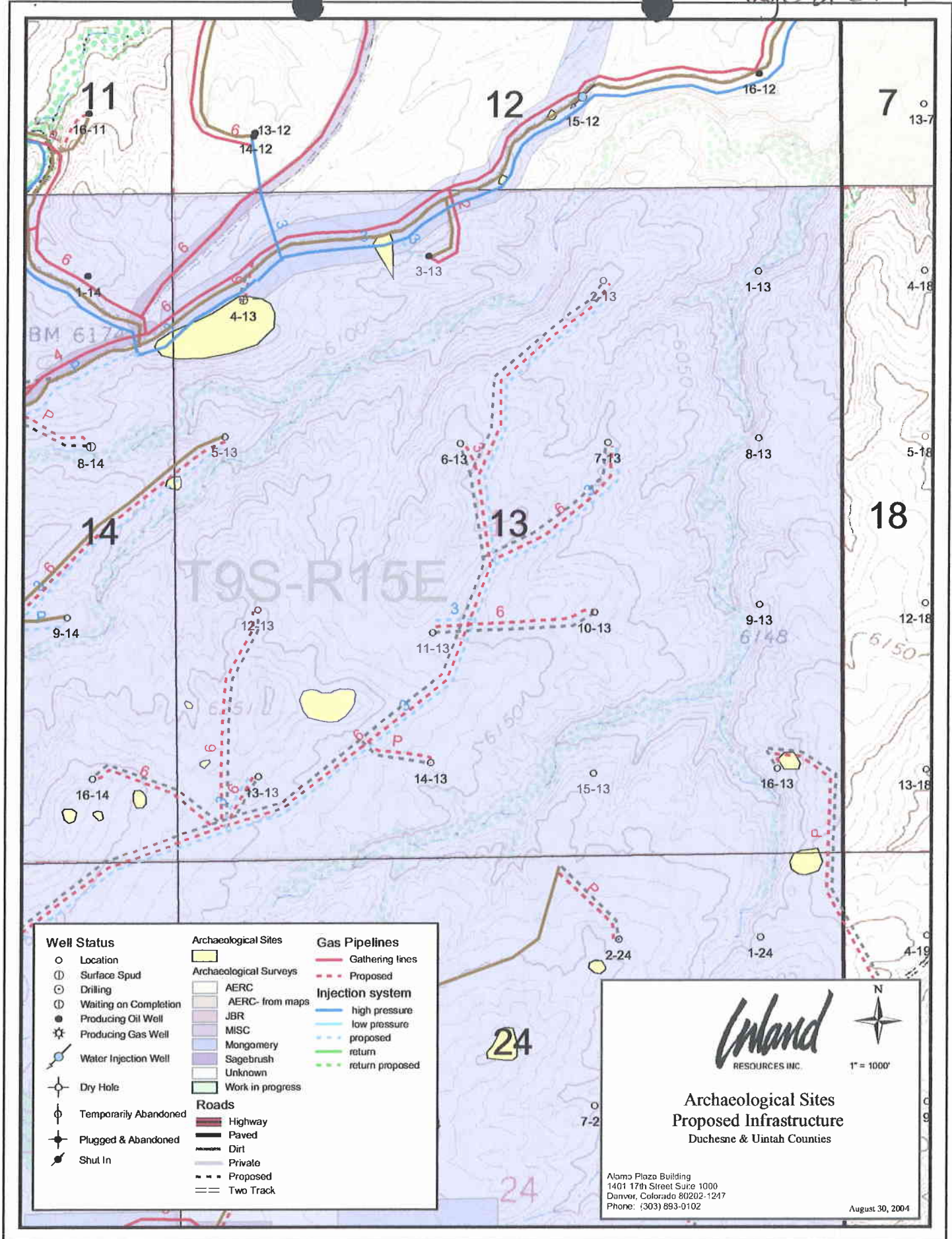
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 01-163


May 23, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0235b



| Well Status             | Archaeological Sites   | Gas Pipelines         |
|-------------------------|------------------------|-----------------------|
| ○ Location              | Archaeological Surveys | — Gathering lines     |
| ① Surface Spud          | AERC                   | - - - Proposed        |
| ② Drilling              | AERC- from maps        | Injection system      |
| ③ Waiting on Completion | JBR                    | — high pressure       |
| ● Producing Oil Well    | MISC                   | — low pressure        |
| ⊙ Producing Gas Well    | Mongomery              | - - - proposed        |
| ⊙ Water Injection Well  | Sagebrush              | — return              |
| ⊙ Dry Hole              | Unknown                | - - - return proposed |
| ⊙ Temporarily Abandoned | Work in progress       |                       |
| ⊙ Plugged & Abandoned   | Roads                  |                       |
| ⊙ Shut In               | — Highway              |                       |
|                         | — Paved                |                       |
|                         | — Dirt                 |                       |
|                         | — Private              |                       |
|                         | - - - Proposed         |                       |
|                         | == Two Track           |                       |



RESOURCES INC.

**Archaeological Sites  
Proposed Infrastructure**  
Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 693-0102

August 30, 2004

**INLAND RESOURCES, INC.**

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

(South half Section 13, south half Section 14, south half Section 15,  
entire Sections 22, 23, 24, T 9 S, R 15 E; Section 5 minus SW &  
SE 1/4, SE 1/4, and existing well site at NW 1/4, NE 1/4, T 9 S, R 18 E)

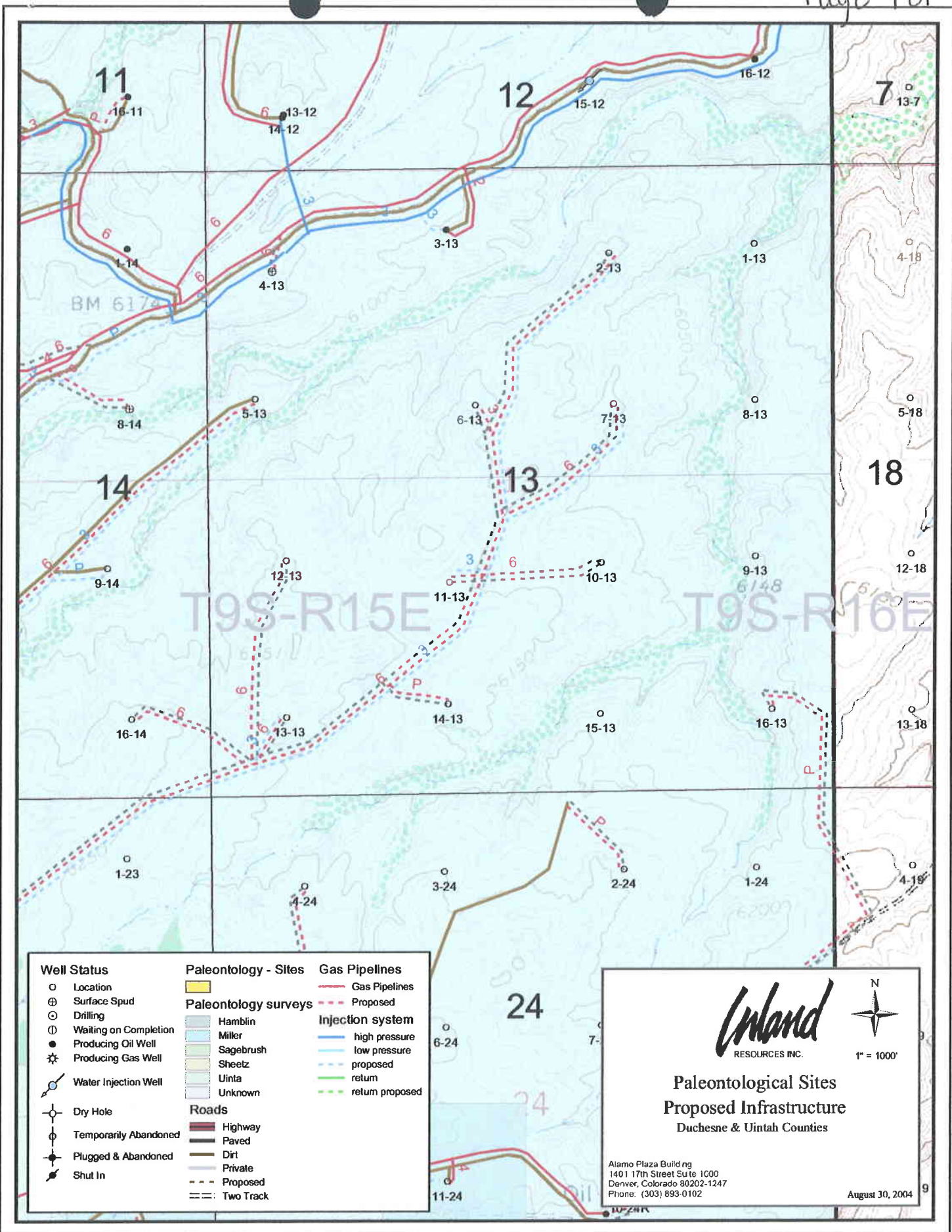
**REPORT OF SURVEY**

Prepared for:


**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 7, 2003



| Well Status             | Paleontology - Sites | Gas Pipelines         |
|-------------------------|----------------------|-----------------------|
| ○ Location              | Yellow box           | — Gas Pipelines       |
| ⊕ Surface Spud          |                      | - - - Proposed        |
| ⊙ Drilling              | Paleontology surveys | Injection system      |
| ⓪ Waiting on Completion | Hamblin              | — high pressure       |
| ● Producing Oil Well    | Miller               | — low pressure        |
| ⊙ Producing Gas Well    | Sagebrush            | - - - proposed        |
| ⊙ Water Injection Well  | Sheetz               | — return              |
| ⊙ Dry Hole              | Uinta                | - - - return proposed |
| ⊙ Temporarily Abandoned | Unknown              |                       |
| ⊙ Plugged & Abandoned   | Roads                |                       |
| ⊙ Shut In               | Highway              |                       |
|                         | Paved                |                       |
|                         | Dirt                 |                       |
|                         | Private              |                       |
|                         | - - - Proposed       |                       |
|                         | - - - Two Track      |                       |



**Inland**  
RESOURCES INC.

**Paleontological Sites  
Proposed Infrastructure**  
Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

August 30, 2004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/03/2004

API NO. ASSIGNED: 43-013-32669

WELL NAME: ASHLEY FED 14-13-9-15  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: LANA NEBEKER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 13 090S 150E  
SURFACE: 0758 FSL 2020 FWL  
BOTTOM: 0758 FSL 2020 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-68548  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

LATITUDE: 40.02572  
LONGITUDE: -110.1821

RECEIVED AND/OR REVIEWED:

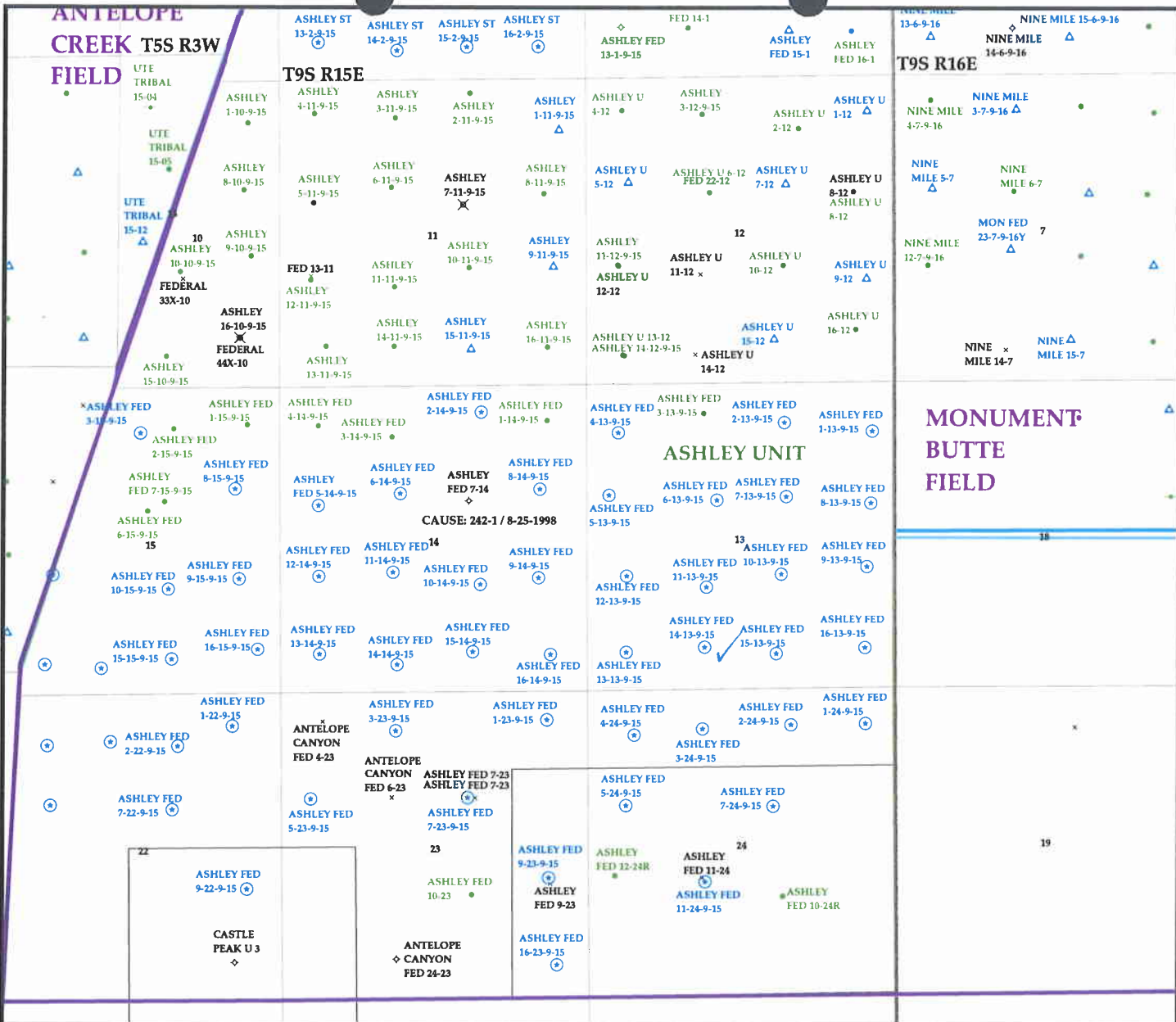
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

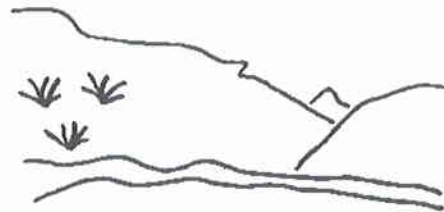
- \_\_\_ R649-2-3.
- Unit ASHLEY
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- Drilling Unit  
Board Cause No: 242-1  
Eff Date: 8-25-1998  
Siting: Suspends General Siting
- \_\_\_ R649-3-11. Directional Drill

COMMENTS: Coop, Separate Files

STIPULATIONS: 1- Federal Approval



**OPERATOR: INLAND PROD CO (N5160)**  
**SEC. 13 T.9S R.15E**  
**FIELD: MONUMENT BUTTE (105)**  
**COUNTY: DUCHESNE**  
**CAUSE: 242-1 / 8-25-1998**



Utah Oil Gas and Mining

| Wells                 | Units.shp      | Fields.shp   |
|-----------------------|----------------|--------------|
| ⊕ GAS INJECTION       | □ EXPLORATORY  | □ ABANDONED  |
| ⊙ GAS STORAGE         | □ GAS STORAGE  | □ ACTIVE     |
| ⊗ LOCATION ABANDONED  | □ NF PP OIL    | □ COMBINED   |
| ⊕ NEW LOCATION        | □ NF SECONDARY | □ INACTIVE   |
| ⊖ PLUGGED & ABANDONED | □ PENDING      | □ PROPOSED   |
| ⊛ PRODUCING GAS       | □ PI OIL       | □ STORAGE    |
| ● PRODUCING OIL       | □ PP GAS       | □ TERMINATED |
| ⊖ SHUT-IN GAS         | □ PP GEOTHERML |              |
| ⊖ SHUT-IN OIL         | □ PP OIL       |              |
| ⊗ TEMP. ABANDONED     | □ SECONDARY    |              |
| ○ TEST WELL           | □ TERMINATED   |              |
| △ WATER INJECTION     |                |              |
| ⊕ WATER SUPPLY        |                |              |
| ⊖ WATER DISPOSAL      |                |              |



PREPARED BY: DIANA WHITNEY  
 DATE: 10-SEPTEMBER-2004

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

September 10, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Ashley Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Ashley Unit, Duchesne County, Utah.

| API #                     | WELL NAME      | LOCATION                                      |
|---------------------------|----------------|---|
| (Proposed PZ Green River) |                |   |
| 43-013-32668              | Ashley Federal | 16-13-9-15 Sec 13 T09S R15E 0682 FSL 0523 FEL |
| 43-013-32669              | Ashley Federal | 14-13-9-15 Sec 13 T09S R15E 0758 FSL 2020 FWL |
| 43-013-32670              | Ashley Federal | 14-14-9-15 Sec 14 T09S R15E 0483 FSL 1990 FWL |
| 43-013-32667              | Ashley Federal | 16-14-9-15 Sec 14 T09S R15E 0620 FSL 0645 FEL |

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Ashley Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:9-10-04



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

September 14, 2004

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

Re: Ashley Federal 14-13-9-15 Well, 758' FSL, 2020' FWL, SE SW, Sec. 13,  
T. 9 South, R. 15 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 43-013-32669.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

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



Operator: Inland Production Company

Well Name & Number Ashley Federal 14-13-9-15

API Number: 43-013-32669

Lease: UTU-68548

Location: SE SW                      Sec. 13                      T. 9 South                      R. 15 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.



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

|         |        |        |        |       |        |
|---------|--------|--------|--------|-------|--------|
| UTSL-   | 15855  | 61052  | 73088  | 76561 |        |
| 071572A | 16535  | 62848  | 73089  | 76787 |        |
| 065914  | 16539  | 63073B | 73520A | 76808 |        |
|         | 16544  | 63073D | 74108  | 76813 |        |
|         | 17036  | 63073E | 74805  | 76954 | 63073X |
|         | 17424  | 63073O | 74806  | 76956 | 63098A |
|         | 18048  | 64917  | 74807  | 77233 | 68528A |
| UTU-    | 18399  | 64379  | 74808  | 77234 | 72086A |
|         | 19267  | 64380  | 74389  | 77235 | 72613A |
| 02458   | 26026A | 64381  | 74390  | 77337 | 73520X |
| 03563   | 30096  | 64805  | 74391  | 77338 | 74477X |
| 03563A  | 30103  | 64806  | 74392  | 77339 | 75023X |
| 04493   | 31260  | 64917  | 74393  | 77357 | 76189X |
| 05843   | 33992  | 65207  | 74398  | 77359 | 76331X |
| 07978   | 34173  | 65210  | 74399  | 77365 | 76788X |
| 09803   | 34346  | 65635  | 74400  | 77369 | 77098X |
| 017439B | 36442  | 65967  | 74404  | 77370 | 77107X |
| 017985  | 36846  | 65969  | 74405  | 77546 | 77236X |
| 017991  | 38411  | 65970  | 74406  | 77553 | 77376X |
| 017992  | 38428  | 66184  | 74411  | 77554 | 78560X |
| 018073  | 38429  | 66185  | 74805  | 78022 | 79485X |
| 019222  | 38431  | 66191  | 74806  | 79013 | 79641X |
| 020252  | 39713  | 67168  | 74826  | 79014 | 80207X |
| 020252A | 39714  | 67170  | 74827  | 79015 | 81307X |
| 020254  | 40026  | 67208  | 74835  | 79016 |        |
| 020255  | 40652  | 67549  | 74868  | 79017 |        |
| 020309D | 40894  | 67586  | 74869  | 79831 |        |
| 022684A | 41377  | 67845  | 74870  | 79832 |        |
| 027345  | 44210  | 68105  | 74872  | 79833 |        |
| 034217A | 44426  | 68548  | 74970  | 79831 |        |
| 035521  | 44430  | 68618  | 75036  | 79834 |        |
| 035521A | 45431  | 69060  | 75037  | 80450 |        |
| 038797  | 47171  | 69061  | 75038  | 80915 |        |
| 058149  | 49092  | 69744  | 75039  | 81000 |        |
| 063597A | 49430  | 70821  | 75075  |       |        |
| 075174  | 49950  | 72103  | 75078  |       |        |
| 096547  | 50376  | 72104  | 75089  |       |        |
| 096550  | 50385  | 72105  | 75090  |       |        |
|         | 50376  | 72106  | 75234  |       |        |
|         | 50750  | 72107  | 75238  |       |        |
| 10760   | 51081  | 72108  | 76239  |       |        |
| 11385   | 52013  | 73086  | 76240  |       |        |
| 13905   | 52018  | 73087  | 76241  |       |        |
| 15392   | 58546  | 73807  | 76560  |       |        |

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

**OPERATOR CHANGE WORKSHEET**

**006**

Change of Operator (Well Sold)

Designation of Agent/Operator

**ROUTING**

|         |
|---------|
| 1. GLH  |
| 2. CDW  |
| 3. FILE |

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

|   |  |
|---|--|
| <b>FROM: (Old Operator):</b><br>N5160-Inland Production Company<br>Route 3 Box 3630<br>Myton, UT 84052<br>Phone: 1-(435) 646-3721 | <b>TO: ( New Operator):</b><br>N2695-Newfield Production Company<br>Route 3 Box 3630<br>Myton, UT 84052<br>Phone: 1-(435) 646-3721 |
|---|--|

**CA No.**

**Unit:**

**ASHLEY**

**WELL(S)**

| NAME                  | SEC | TWN  | RNG  | API NO     | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |   |
|-----------------------|-----|------|------|------------|-----------|------------|-----------|-------------|---|
| ASHLEY ST 7-2-9-15    | 02  | 090S | 150E | 4301332585 |           | State      | OW        | APD         | K |
| ASHLEY FED 16-13-9-15 | 13  | 090S | 150E | 4301332668 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 14-13-9-15 | 13  | 090S | 150E | 4301332669 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 16-14-9-15 | 14  | 090S | 150E | 4301332667 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 14-14-9-15 | 14  | 090S | 150E | 4301332670 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 3-15-9-15  | 15  | 090S | 150E | 4301332641 |           | Federal    | OW        | NEW         | K |
| ASHLEY FED 16-15-9-15 | 15  | 090S | 150E | 4301332642 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 2-22-9-15  | 22  | 090S | 150E | 4301332643 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 5-22-9-15  | 22  | 090S | 150E | 4301332644 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 2-24-9-15  | 24  | 090S | 150E | 4301332645 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 4-24-9-15  | 24  | 090S | 150E | 4301332646 |           | Federal    | OW        | APD         | K |
| ASHLEY FED 12-27-9-15 | 27  | 090S | 150E | 4301332626 |           | Federal    | OW        | APD         | K |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |
|                       |     |      |      |            |           |            |           |             |   |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

RECEIVED  
 JUN 03 2005  
 DIV. OF OIL, GAS & MINING

RECEIVED  
 SEP - 3 2004  
 By \_\_\_\_\_

Form 3160-3  
 (September 2001)

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

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

|   |
|---|
| 5. Lease Serial No.<br>UTU-68548  |
| 6. If Indian, Allottee or Tribe Name<br>N/A                                 |
| 7. If Unit or CA Agreement, Name and No.<br>Ashley                          |
| 8. Lease Name and Well No.<br>Ashley Federal 14-13-9-15                     |
| 9. API Well No.<br>43-013-321669  |
| 10. Field and Pool, or Exploratory<br>Monument Butte                        |
| 11. Sec., T., R., M., or Blk. and Survey or Area<br>SE/SW Sec. 13, T9S R15E |
| 12. County or Parish<br>Duchesne  |
| 13. State<br>UT   |

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  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 SE/SW 758' FSL 2020' FWL  
 At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
 Approximatley 17.0 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 562' flse, 3260' flunit

16. No. of Acres in lease  
 711.22

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. 2,737'

19. Proposed Depth  
 6500'

20. BLM/BIA Bond No. on file  
 UT/0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
 6158.3' GL

22. Approximate date work will start\*  
 1st Quarter 2005

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 *Lana Nebeker* Name (Printed/Typed) Lana Nebeker Date 9-2-04

Title Production Clerk

Approved by (Signature) *Thomas Blum* Name (Printed/Typed) Date 05/14/2005

Title ASSISTANT MANAGER 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)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company  
Well Name & Number: ASHLEY FEDERAL 14-13-9-15  
API Number: 43-013-32669  
Lease Number: UTU - 68548  
Location: SESW Sec. 13 TWN: 09S RNG: 15E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 1,460$  ft.

**CONDITIONS OF APPROVAL**  
**FOR THE SURFACE USE PROGRAM OF THE**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Newfield Production Company

API Number: 43-013-32669

Well Name & Number: Federal 14-13-9-15

Lease Number: U-66184

Location: SESW Sec. 13 T. 9 S. R. 15 E.

Surface Ownership: BLM

Date NOS Received: None

Date APD Received: 9-3-04

-None. All required stipulations are included in the APD.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: ASHLEY FED 14-13-9-15

Api No: 43-013-32669 Lease Type: FEDERAL

Section 13 Township 09S Range 15E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### SPUDDED:

Date 07/27/05

Time 10:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by TROY

Telephone # 1-435-823-6013

Date 07/28/05 Signed CHD

RECEIVED

JUL 28 2005

DIV. OF OIL, GAS & MINING

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
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              | 12419          | 43-013-32646 | Ashley Federal 4-24-9-15  | NW/WW         | 24 | 9S | 15E | Duchesne | 7/20/2005 | 7/28/05        |
| WELL 1 COMMENTS: <i>GRU</i> |                    |                |              |                           |               |    |    |     |          |           |                |
| A                           | 99999              | 12419          | 43-013-32669 | Ashley Federal 14-13-9-15 | SE/SW         | 13 | 9S | 15E | Duchesne | 7/27/2005 | 7/28/05        |
| WELL 2 COMMENTS: <i>GRU</i> |                    |                |              |                           |               |    |    |     |          |           |                |
|                             |                    |                |              |                           |               |    |    |     |          |           |                |
| WELL 3 COMMENTS:            |                    |                |              |                           |               |    |    |     |          |           |                |
|                             |                    |                |              |                           |               |    |    |     |          |           |                |
| WELL 4 COMMENTS:            |                    |                |              |                           |               |    |    |     |          |           |                |
|                             |                    |                |              |                           |               |    |    |     |          |           |                |
| WELL 5 COMMENTS:            |                    |                |              |                           |               |    |    |     |          |           |                |

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- E - 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

*Kevin S. Jones*  
 Signature Kevin S. Jones

Production Clerk July 28, 2005

Title Date

PAGE 02

INLAND

4356463031

07/28/2005 11:12

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.  
UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
ASHLEY PA A

8. Well Name and No.  
ASHLEY FEDERAL 14-13-9-15

9. API Well No.  
4301332669

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 No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
758 FSL 2020 FWL  
SE/SW Section 13 T9S R15E

**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 Notice     | <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 Injector | <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 7/27/2005 MIRU Ross Rig # 24. Spud well @ 10:00 AM. Drill 302' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 314.20' KB On 8/21/2005 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 4 bbls cement to pit. WOC.

|  |                              |
|--|------------------------------|
| I hereby certify that the foregoing is true and correct<br>Name (Printed/ Typed)<br>Floyd Mitchell | Title<br>Drilling Supervisor |
| Signature: <i>Floyd Mitchell</i>   | Date<br>08/22/2005           |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|  |        |      |
|--|--------|------|
| Approved by _____<br>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**  
**AUG 23 2005**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 314.2

LAST CASING 8 5/8" SET AT 314.2'  
 DATUM 12. KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 302' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Ashley Fed 14-13-9-15  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

**LOG OF CASING STRING:**

| PIECES                      | OD     | ITEM - MAKE - DESCRIPTION | WT / FT | GRD                         | THREAD | CONDT | LENGTH       |
|-----------------------------|--------|---------------------------|---------|-----------------------------|--------|-------|--------------|
|                             |        | 42.70 sh jt' shjt         |         |                             |        |       |              |
|                             |        | WHI - 92 csg head         |         |                             | 8rd    | A     | 0.95         |
| 7                           | 8 5/8" | Maverick ST&C csg         | 24#     | J-55                        | 8rd    | A     | 302.35       |
|                             |        | <b>GUIDE</b> shoe         |         |                             | 8rd    | A     | 0.9          |
| CASING INVENTORY BAL.       |        | FEET                      | JTS     | TOTAL LENGTH OF STRING      |        |       | 304.2        |
| TOTAL LENGTH OF STRING      |        | 304.2                     | 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            |        |       | <b>314.2</b> |
| TOTAL                       |        | 302.35                    | 7       | } COMPARE                   |        |       |              |
| TOTAL CSG. DEL. (W/O THRDS) |        | 302.35                    | 7       |                             |        |       |              |

|                            |           |          |
|----------------------------|-----------|----------|
| TIMING                     | 1ST STAGE |          |
| BEGIN RUN CSG. <b>SPUD</b> | 7/27/2005 | 10:00 AM |
| CSG. IN HOLE               | 7/29/2005 | 12:00 PM |
| BEGIN CIRC                 | 8/21/2005 | 2:00 PM  |
| BEGIN PUMP CMT             | 8/21/2005 | 2:15 PM  |
| BEGIN DSPL. CMT            | 8/21/2005 | 2:28 PM  |
| PLUG DOWN                  | 8/21/2005 | 2:32 PM  |

GOOD CIRC THRU JOB Yes  
 Bbls CMT CIRC TO SURFACE 4  
 RECIPROCATED PIPE FOR \_\_\_\_\_ THRU \_\_\_\_\_ FT STROKE  
 DID BACK PRES. VALVE HOLD ? N/A  
 BUMPED PLUG TO \_\_\_\_\_ 930 PSI

|   |      |   |
|---|------|---|
| CEMENT USED   |      | CEMENT COMPANY- <b>B. J.</b>  |
| 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 Floyd Mitchell DATE 8/22/2005

**RECEIVED**  
**AUG 23 2005**  
 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.

**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 No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
758 FSL 2020 FWL  
SE/SW Section 13 T9S R15E

5. Lease Serial No.

UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

ASHLEY PA A

8. Well Name and No.

ASHLEY FEDERAL 14-13-9-15

9. API Well No.

4301332669

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 Notice     | <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      | Weekly Status Report                            |
|   | <input type="checkbox"/> Convert to Injector | <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 8-25-2005 MIRU NDSI Rig # 1. 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 @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5985'. 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, 136 jt's of 5.5 J-55, 15.5# csgn. Set @ 5976.71' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 10 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 87,000 #s tension. Release rig 12:30 pm on 9-1-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Troy Zuffelt

Signature

Title

Drilling Foreman

Date

09/01/2005

**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 08 2005

DIV. OF OIL, GAS & MINING



**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING SET AT 5976.71

Flt cllr @ 5933.16

LAST CASING 8 5/8" SET AT 314'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Ashley Federal 14-13-9-15

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI # 1

TD DRILLER 5985' Loggers TD 5985'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

| PIECES                      | OD            | ITEM - MAKE - DESCRIPTION | WT / FT      | GRD                         | THREAD     | CONDT    | LENGTH         |
|-----------------------------|---------------|---------------------------|--------------|-----------------------------|------------|----------|----------------|
|                             |               | Landing Jt                |              |                             |            |          | 14             |
|                             | <b>SHJT</b>   | <b>6.29' @ 3936'</b>      |              |                             |            |          |                |
| <b>135</b>                  | <b>5 1/2"</b> | ETC LT & C casing         | <b>15.5#</b> | <b>J-55</b>                 | <b>8rd</b> | <b>A</b> | 5933.16        |
|                             |               | Float collar              |              |                             |            |          | 0.6            |
| <b>1</b>                    | <b>5 1/2"</b> | ETC LT&C csg              | <b>15.5#</b> | <b>J-55</b>                 | <b>8rd</b> | <b>A</b> | 44.3           |
|                             |               | <b>GUIDE</b> shoe         |              |                             | <b>8rd</b> | <b>A</b> | 0.65           |
| CASING INVENTORY BAL.       |               | FEET                      | JTS          | TOTAL LENGTH OF STRING      |            |          | 5978.71        |
| TOTAL LENGTH OF STRING      |               | 5978.71                   | 136          | LESS CUT OFF PIECE          |            |          | 14             |
| LESS NON CSG. ITEMS         |               | 15.25                     |              | PLUS DATUM TO T/CUT OFF CSG |            |          | 12             |
| PLUS FULL JTS. LEFT OUT     |               | 177.08                    | 4            | CASING SET DEPTH            |            |          | <b>5976.71</b> |
| TOTAL                       |               | <b>6378.20</b>            | 140          | } COMPARE                   |            |          |                |
| TOTAL CSG. DEL. (W/O THRDS) |               | 6140.54                   | 140          |                             |            |          |                |
| TIMING                      |               | 1ST STAGE                 | 2nd STAGE    |                             |            |          |                |
| BEGIN RUN CSG.              |               | 8/31/2005                 | 2:00 PM      | GOOD CIRC THRU JOB          |            |          | YES            |
| CSG. IN HOLE                |               | 8/31/2005                 | 5:00 PM      | Bbls CMT CIRC TO SURFACE    |            |          | 10             |
| BEGIN CIRC                  |               | 8/31/2005                 | 5:30 PM      | RECIPROCATED PIPE FOR       |            |          | THRUSTROKE     |
| BEGIN PUMP CMT              |               | 8/31/2005                 | 6:36 PM      | DID BACK PRES. VALVE HOLD ? |            |          | YES            |
| BEGIN DSPL. CMT             |               | 8/31/2005                 | 19:38        | BUMPED PLUG TO              |            |          | 1600 PSI       |
| PLUG DOWN                   |               | 31-Aug                    | 8:00 PM      |                             |            |          |                |

CEMENT USED \_\_\_\_\_ CEMENT COMPANY- **B. J.**

STAGE # SX \_\_\_\_\_ CEMENT TYPE & ADDITIVES

**1** **300** Premlite 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

**2** **450** 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT \_\_\_\_\_ SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

COMPANY REPRESENTATIVE Troy Zufelt DATE 9/1/2005

**RECEIVED**  
**SEP 08 2005**

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.

**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 No. (include area code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 758 FSL 2020 FWL  
 SE/SW    Section 13 T9S R15E

5. Lease Serial No.  
 UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
 ASHLEY PA A

8. Well Name and No.  
 ASHLEY FEDERAL 14-13-9-15

9. API Well No.  
 4301332669

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 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 Notice    | <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 Injector | <input type="checkbox"/> Plug Back        | <input checked="" type="checkbox"/> Water Disposal |   |

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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 ONLY**

SEP 27 2005

|   |                                |
|---|--------------------------------|
| I hereby certify that the foregoing is true and correct<br>Name (Printed/Typed)<br>Mandie Crozier | Title<br>Regulatory Specialist |
| Signature<br><i>Mandie Crozier</i>  | Date<br>09/26/2005             |

**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)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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UTU68548

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7. If Unit or CA/Agreement, Name and/or No.  
ASHLEY PA A

8. Well Name and No.  
ASHLEY FEDERAL 14-13-9-15

9. API Well No.  
4301332669

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 No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
758 FSL 2020 FWL  
SE/SW Section 13 T9S R15E

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 Notice    | <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      | Variance _____                                  |  |
|  | <input type="checkbox"/> Convert to Injector | <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.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

COPY SENT TO OPERATOR  
DATE: 9-27-05  
INITIALS: CHD

RECEIVED  
SEP 27 2005  
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Mandie Crozier Title Regulatory Specialist

Signature *Mandie Crozier* Date 09/26/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title **Accepted by the** 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 **Utah Division of Oil, Gas and Mining** Federal Approval Of This Action Is Necessary

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(Instructions on reverse)

By: *[Signature]*

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 No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 758 FSL 2020 FWL  
 SE/SW    Section 13 T9S R15E

5. Lease Serial No.  
 UTU68548

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
 ASHLEY PA A

8. Well Name and No.  
 ASHLEY FEDERAL 14-13-9-15

9. API Well No.  
 4301332669

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 Notice     | <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      | Weekly Status Report                            |
|   | <input type="checkbox"/> Convert to Injector | <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.)

Status report for time period 09/15/05 - 09/24/05

Subject well had completion procedures initiated in the Green River formation on 09-15-05 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (4894'-4900'), (4828'-4832'); Stage #2 (4754'-4762'); Stage #3(4672'-4678'); Stage #4 (4006'-4024'). 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 09-22-2005. Bridge plugs were drilled out and well was cleaned to 5931.00'. 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 09-24-2005.

|  |                           |
|--|---------------------------|
| I hereby certify that the foregoing is true and correct<br>Name (Printed/ Typed)<br>Lana Nebeker | Title<br>Production Clerk |
| Signature:    | Date<br>10/07/2005        |

**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 _____ |            |

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**

**OCT 11 2005**

**DIV. OF OIL, GAS & MINING**

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-68548

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN ALLOTTEE OR TRIBE NAME  
NA

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

Ashley

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.

Ashley Federal 14-13-9-15

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-32669

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 758' FSL & 2020' FWL (SE/SW) Sec.13, T9S, R15E

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA

Sec. 13, T9S, R15E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32669 DATE ISSUED 9/14/04

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 7/27/05 16. DATE T.D. REACHED 8/31/05 17. DATE COMPL. (Ready to prod.) 9/24/05 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6158' GL 6170' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5985' 21. PLUG BACK T.D., MD & TVD 5931' 22. IF MULTIPLE COMPL. HOW MANY\* 23. INTERVALS DRILLED BY -----> 23. ROTARY TOOLS X 23. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Green River 4006'-4900' 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

**CASING RECORD (Report all strings set in well)**

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD         | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---|---------------|
| 8-5/8" - J-55     | 24#             | 314'           | 12-1/4"   | To surface with 160 sx Class "G" cmt    |               |
| 5-1/2" - J-55     | 15.5#           | 5977'          | 7-7/8"    | 300 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 @ 4968'    | TA @ 4870'      |

| 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             |  |
| (B.5&2) 4828'-4832', 4894'-4900'                   | .41" | 4/40       | 4828'-4900'                                    | Frac w/ 59,638# 20/40 sand in 476 bbls fluid |  |
| (C) 4754'-4762'                                    | .41" | 4/32       | 4754'-4762'                                    | Frac w/ 49,648# 20/40 sand in 418 bbls fluid |  |
| (D2) 4672'-4678'                                   | .41" | 4/24       | 4672'-4678'                                    | Frac w/ 30,644# 20/40 sand in 323 bbls fluid |  |
| (GB2) 4006'-4024'                                  | .41" | 4/72       | 4006'-4024'                                    | Frac w/ 84,673# 20/40 sand in 583 bbls fluid |  |

33.\*

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) |                         |           |             | WELL STATUS (Producing or shut-in) |               |
|-----------------------|-----------------|---|-------------------------|-----------|-------------|------------------------------------|---------------|
| 9/24/05               |                 | 2-1/2" x 1-1/2" x 14.5' RHAC SM Plunger Pump                          |                         |           |             | PRODUCING                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE  | PROD'N. FOR TEST PERIOD | OIL--BBL. | GAS--MCF.   | WATER--BBL.                        | GAS-OIL RATIO |
| 10 day ave            |                 |   | ----->                  | 46        | 32          | 92                                 | 696           |
| FLOW, TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE   | OIL--BBL.               | GAS--MCF. | WATER--BBL. | OIL GRAVITY-API (CORR.)            |               |
|                       |                 | ----->  |                         |           |             |                                    |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY OCT 25 2005

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Mandie Crozier TITLE Regulatory Specialist DATE 10/24/2005  
 Mandie Crozier

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. 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 |
|           |     |        | <b>Well Name</b><br><b>Ashley Federal 14-13-9-15</b> | Garden Gulch Mkr      | <b>3588'</b> |                  |
|           |     |        |  | Garden Gulch 1        | <b>3819'</b> |                  |
|           |     |        |  | Garden Gulch 2        | <b>3925'</b> |                  |
|           |     |        |  | Point 3 Mkr           | <b>4175'</b> |                  |
|           |     |        |  | X Mkr                 | <b>4438'</b> |                  |
|           |     |        |  | Y-Mkr                 | <b>4475'</b> |                  |
|           |     |        |  | Douglas Creek Mkr     | <b>4582'</b> |                  |
|           |     |        |  | BiCarbonate Mkr       | <b>4793'</b> |                  |
|           |     |        |  | B Limestone Mkr       | <b>4934'</b> |                  |
|           |     |        |  | Castle Peak           | <b>5487'</b> |                  |
|           |     |        |  | Basal Carbonate       | <b>5920'</b> |                  |
|           |     |        |  | Total Depth (LOGGERS) | <b>5985'</b> |                  |

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b><br><br><b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-68548  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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. | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)   |
| <b>1. TYPE OF WELL</b><br>Oil Well   | <b>8. WELL NAME and NUMBER:</b><br>ASHLEY FED 14-13-9-15  |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   | <b>9. API NUMBER:</b><br>43013326690000   |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   | <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |
| <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE   | <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0758 FSL 2020 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 15.0E Meridian: S |
| <b>COUNTY:</b><br>DUCHESNE   | <b>STATE:</b><br>UTAH   |

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>5/6/2013</b> | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                    |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:                                       | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME                 |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE                |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>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="Non Routine Treatment"/> |

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

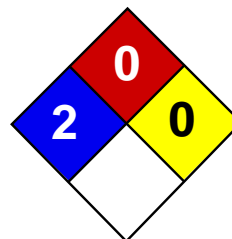
Newfield is going to conduct a 4 well absorption test program For the Ashley Federal 14-13-9-15 the planned job is listed as follows:  
 Reservoir: D2 sand (zone will be isolated and tested separately)  
 Chemical: Surtek Solution 1 Alkali: 0.75 wt % NaOH (MSDS/TDS sheets provided) Surfactant: 0.10 wt% Alfoterra 145-4S (MSDS/TDS sheets provided) Volume to be pumped: 198.0 bbl

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**

**Date:** May 07, 2013

**By:** *Derek Quist*

|  |                                     |                                 |
|--|-------------------------------------|---------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Mandie Crozier | <b>PHONE NUMBER</b><br>435 646-4825 | <b>TITLE</b><br>Regulatory Tech |
| <b>SIGNATURE</b><br>N/A                      | <b>DATE</b><br>5/6/2013             |                                 |



|                     |   |
|---------------------|---|
| Health              | 2 |
| Fire                | 0 |
| Reactivity          | 0 |
| Personal Protection | E |

## Material Safety Data Sheet

### Sodium bromide MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Sodium bromide

**Catalog Codes:** SLS3820, SLS1600

**CAS#:** 7647-15-6

**RTECS:** VZ3150000

**TSCA:** TSCA 8(b) inventory: Sodium bromide

**CI#:** Not available.

**Synonym:** Bromide salt of sodium

**Chemical Name:** Sodium Bromide

**Chemical Formula:** NaBr

**Contact Information:**

**Sciencelab.com, Inc.**

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

#### Section 2: Composition and Information on Ingredients

**Composition:**

| Name           | CAS #     | % by Weight |
|----------------|-----------|-------------|
| Sodium bromide | 7647-15-6 | 100         |

**Toxicological Data on Ingredients:** Sodium bromide: ORAL (LD50): Acute: 3500 mg/kg [Rat]. 7000 mg/kg [Mouse].

#### Section 3: Hazards Identification

**Potential Acute Health Effects:**

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

#### Section 4: First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact:**



Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

**Serious Skin Contact:** Not available.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

### Section 6: Accidental Release Measures

**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7: Handling and Storage

**Precautions:**

Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

**Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 102.91 g/mole

**Color:** Not available.

**pH (1% soln/water):** 6.5-8.0

**Boiling Point:** 1390°C (2534°F)

**Melting Point:** 755°C (1391°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 3.21 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, methanol.

**Solubility:**

Easily soluble in cold water, hot water. Soluble in methanol. 1 g dissolves in 1.1 ml of water. 1 g dissolves in about 16 ml of alcohol. 1 g dissolves in 6 ml of methanol

**Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials, moisture

**Incompatibility with various substances:** Reactive with oxidizing agents, acids.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**

Absorbs moisture from the air but is not deliquescent. Hygroscopic. Also incompatible with alkaloidal and heavy metal salts, and Bromine Trifluoride.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

### Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Acute oral toxicity (LD50): 3500 mg/kg [Rat].

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:**

May cause adverse reproductive effects (male and female effects on fertility and effects on newborns and fetotoxicity) based on animal data Human: passes the placental barrier, detected in maternal milk.

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: May cause mild skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with nausea and vomiting, abdominal pain, constipation. Bromide poisoning following acute ingestion is more rare and may affect the central nervous system (CNS depression - somnolence, confusion, ataxia, coma and other symptoms similar to chronic ingestion), cardiovascular system (hypotension, tachycardia), kidneys (acute renal failure, urinary incontinence), and respiration (acute respiratory distress syndrome). It may also cause eye disturbances such as mydriasis and nystagmus, disturbances of apparent color of objects, blurring or indistinctness of vision, apparent movement or wiggling and change in apparent size of objects, large pupils, subnormal reaction to light, diplopia, and photophobia. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause skin rashes. Eyes: Prolonged or repeated eye contact may cause blepharitis, and conjunctivitis. Prolonged or repeated ingestion may cause skin rashes (bromoderma, acne, pyoderma gangrenosum, erythema multiforme), affect the liver, endocrine system (thyroid), metabolism(anorexia), blood, vision (visual disturbances, permanently decreased vision and may produce a toxic syndrome, "Bromism" which may be characterized by behavior/central nervous symptoms such CNS depression, irritability, headache, confusion, slurred speech, memory loss, lethargy, ataxia, tremor, agitation, delusion, disoriented, paranoia, aggressiveness, hallucinations, mania, fatigue, seizure, neuropathy, muscle weakness, coma. Also, in individuals with chronic bromism, the tongue may have a coated or furred appearance.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### Section 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Sodium bromide

**Other Regulations:** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

### Section 16: Other Information

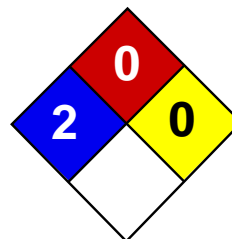
**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 08:26 PM

**Last Updated:** 06/09/2012 12:00 PM

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|                     |   |
|---------------------|---|
| Health              | 2 |
| Fire                | 0 |
| Reactivity          | 0 |
| Personal Protection | E |

## Material Safety Data Sheet

### Sodium bromide MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Sodium bromide

**Catalog Codes:** SLS3820, SLS1600

**CAS#:** 7647-15-6

**RTECS:** VZ3150000

**TSCA:** TSCA 8(b) inventory: Sodium bromide

**CI#:** Not available.

**Synonym:** Bromide salt of sodium

**Chemical Name:** Sodium Bromide

**Chemical Formula:** NaBr

**Contact Information:**

**Sciencelab.com, Inc.**

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

#### Section 2: Composition and Information on Ingredients

**Composition:**

| Name           | CAS #     | % by Weight |
|----------------|-----------|-------------|
| Sodium bromide | 7647-15-6 | 100         |

**Toxicological Data on Ingredients:** Sodium bromide: ORAL (LD50): Acute: 3500 mg/kg [Rat]. 7000 mg/kg [Mouse].

#### Section 3: Hazards Identification

**Potential Acute Health Effects:**

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

#### Section 4: First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact:**

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

**Serious Skin Contact:** Not available.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

### Section 6: Accidental Release Measures

**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7: Handling and Storage

**Precautions:**

Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

**Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 102.91 g/mole

**Color:** Not available.

**pH (1% soln/water):** 6.5-8.0

**Boiling Point:** 1390°C (2534°F)

**Melting Point:** 755°C (1391°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 3.21 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, methanol.

**Solubility:**

Easily soluble in cold water, hot water. Soluble in methanol. 1 g dissolves in 1.1 ml of water. 1 g dissolves in about 16 ml of alcohol. 1 g dissolves in 6 ml of methanol

**Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials, moisture

**Incompatibility with various substances:** Reactive with oxidizing agents, acids.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**

Absorbs moisture from the air but is not deliquescent. Hygroscopic. Also incompatible with alkaloidal and heavy metal salts, and Bromine Trifluoride.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

### Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Acute oral toxicity (LD50): 3500 mg/kg [Rat].

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:**

May cause adverse reproductive effects (male and female effects on fertility and effects on newborns and fetotoxicity) based on animal data Human: passes the placental barrier, detected in maternal milk.

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: May cause mild skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation with nausea and vomiting, abdominal pain, constipation. Bromide poisoning following acute ingestion is more rare and may affect the central nervous system (CNS depression - somnolence, confusion, ataxia, coma and other symptoms similar to chronic ingestion), cardiovascular system (hypotension, tachycardia), kidneys (acute renal failure, urinary incontinence), and respiration (acute respiratory distress syndrome). It may also cause eye disturbances such as mydriasis and nystagmus, disturbances of apparent color of objects, blurring or indistinctness of vision, apparent movement or wiggling and change in apparent size of objects, large pupils, subnormal reaction to light, diplopia, and photophobia. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may cause skin rashes. Eyes: Prolonged or repeated eye contact may cause blepharitis, and conjunctivitis. Prolonged or repeated ingestion may cause skin rashes (bromoderma, acne, pyoderma gangrenosum, erythema multiforme), affect the liver, endocrine system (thyroid), metabolism(anorexia), blood, vision (visual disturbances, permanently decreased vision and may produce a toxic syndrome, "Bromism" which may be characterized by behavior/central nervous symptoms such CNS depression, irritability, headache, confusion, slurred speech, memory loss, lethargy, ataxia, tremor, agitation, delusion, disoriented, paranoia, aggressiveness, hallucinations, mania, fatigue, seizure, neuropathy, muscle weakness, coma. Also, in individuals with chronic bromism, the tongue may have a coated or furred appearance.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:**



Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### Section 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Sodium bromide

**Other Regulations:** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/10/2005 08:26 PM

**Last Updated:** 06/09/2012 12:00 PM

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# WELLBROM<sup>®</sup> 12.5 Completion Fluid

## Description

WELLBROM 12.5 is a clear brine completion fluid based on an aqueous solution of sodium bromide.

## Applications

Because of its high density, WELLBROM 12.5 is used extensively as a completion, fracturing, workover and packer fluid in oilfield applications.

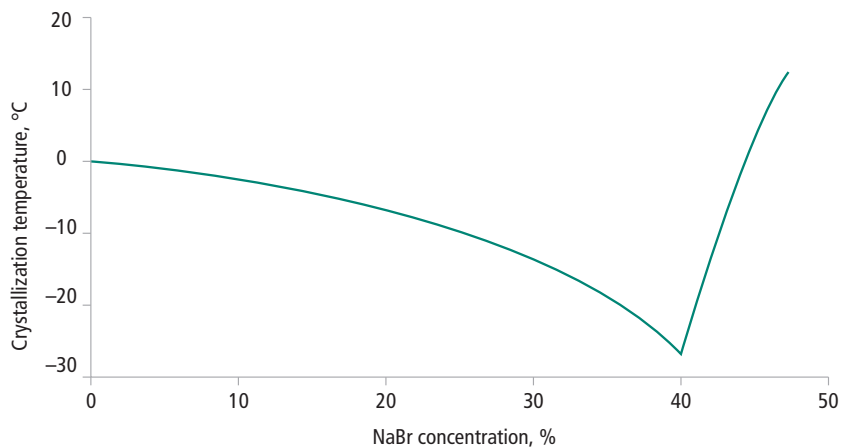
## Specifications

|                                |        |
|--------------------------------|--------|
| Appearance                     | Clear  |
| Density, 70°F (21.1°C), lb/gal | ≥12.30 |

## Physical properties

|                                 |  |
|---------------------------------|--|
| Appearance                      | Clear liquid, light to water-white color |
| Boiling point, °F (°C)          | 230–243 (110–117)                        |
| Flash point                     | None                                     |
| Odor                            | Slight                                   |
| Specific gravity, 70°F (21.1°C) | ≥1.47                                    |
| Color, APHA                     | ≤30                                      |
| pH (diluted 1:10 with water)    | 7.0–8.5                                  |

Variation of the crystallization temperature of NaBr with concentration.



**Compatibility**

**Compatible materials of construction:** This product is compatible with most non-metallic materials of construction, including fiber-glass-reinforced plastic (vinyl ester and polyester FRP), polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC), high-density polyethylene, polypropylene, Viton®, Teflon®, natural rubber, chlorobutyl rubber, Hypalon®, Halar® ethylene chlorotrifluoroethylene, Tefzel® ethylene/tetrafluoroethylene copolymer and most high-performance polytetrafluoroethylene-based gasket materials such as W.L. Gore GORE-TEX® and UPG Style 800, and Garlock Gylon® styles 3504 and 3500.

Titanium and high-nickel alloys such as Inconel® 625 and 686, and Hastelloy® C-22 and C276 are also suitably compatible.

**Incompatible materials of construction:** The compatibility of this product with common metals depends on storage conditions and the environment the material is in. Aluminum, brass, carbon steel, copper, stainless steel and other common metals are generally not suitable for use. Carbon steel and copper can result in discoloration of the product. Aluminum suffers pitting attack. Dissolved oxygen increases the corrosion rate of stainless steel.

**Recommended materials of construction for storage tanks:** Vinyl ester FRP such as Ashland Derakane® 411 and 470, and bisphenol A fumarate polyester FRP such as Reichhold Atlae 6694 are suitable for use.

**Recommended materials of construction for piping and valves:** For piping, an adhesive socket FRP system such as the Reinforced Plastics Systems P150 series or the Smith Fibercast CL-2030 series is suitable. A flat-faced FRP ball valve such as the Nil-Cor 310 series is a good choice for FRP piping. Polypropylene-lined steel also is suitable. For low-pressure lines (<5 psig) such as overflows and drains, solid PVC or CPVC piping can be used, but should be safeguarded from mechanical damage.

**Shipping information****Container information:**

Available in tank trailers and drums

**Shipping classification:**

Not regulated for transportation

**Safety and handling information**

For specific safety, toxicity and handling information, please refer to the material safety data sheet for this product.

**Chemical registration numbers**

|         |           |
|---------|-----------|
| CAS:    | 7647-15-6 |
| EINECS: | 231-599-9 |
| MITI:   | 1-113     |

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**EUROPE** Parc Scientifique de LLN • Rue du Bosquet 9 • B-1348 Louvain-la-Nueve Sud, Belgium • Tel +32-10-48-1711 • Fax +32-10-48-1717

**ASIA PACIFIC** 16h Floor, Fukoku Science Building • 2-2-2, Uchisawai-cho • Chiyoda-Ku, Tokyo 100-0011, Japan • Tel +81-3-5251-0796 • Fax: +81-3-3500-5623

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|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-68548 |
|  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>1. TYPE OF WELL</b><br>Oil Well   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |  | <b>8. WELL NAME and NUMBER:</b><br>ASHLEY FED 14-13-9-15    |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052  |  | <b>9. API NUMBER:</b><br>43013326690000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0758 FSL 2020 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 15.0E Meridian: S  |  | <b>COUNTY:</b><br>DUCHESNE                                  |
|  |  | <b>STATE:</b><br>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<br>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<br>Date of Work Completion:<br>7/31/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>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<br>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 subject well has been converted from a producing oil well to an injection well on 07/29/2014. On 07/30/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/31/2014 the casing was pressured up to 1449 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
August 05, 2014

|   |                                     |   |
|---|-------------------------------------|---|
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto | <b>PHONE NUMBER</b><br>435 646-4874 | <b>TITLE</b><br>Water Services Technician |
| <b>SIGNATURE</b><br>N/A                           | <b>DATE</b><br>8/5/2014             |   |

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

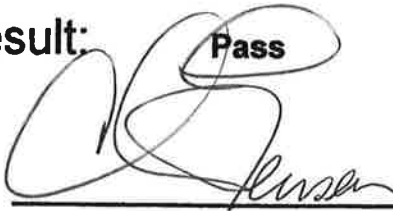

Witness: Chris Jensen Date 7/31/14 Time 10:15 (am)pm  
Test Conducted by: Dustin Allred  
Others Present: Steve Weight

|                                  |                           |
|----------------------------------|---------------------------|
| Well: <u>ASTLEY</u>              | Field: <u>Gmbu</u>        |
| Well Location: <u>14-13-9-15</u> | API No: <u>4301332669</u> |

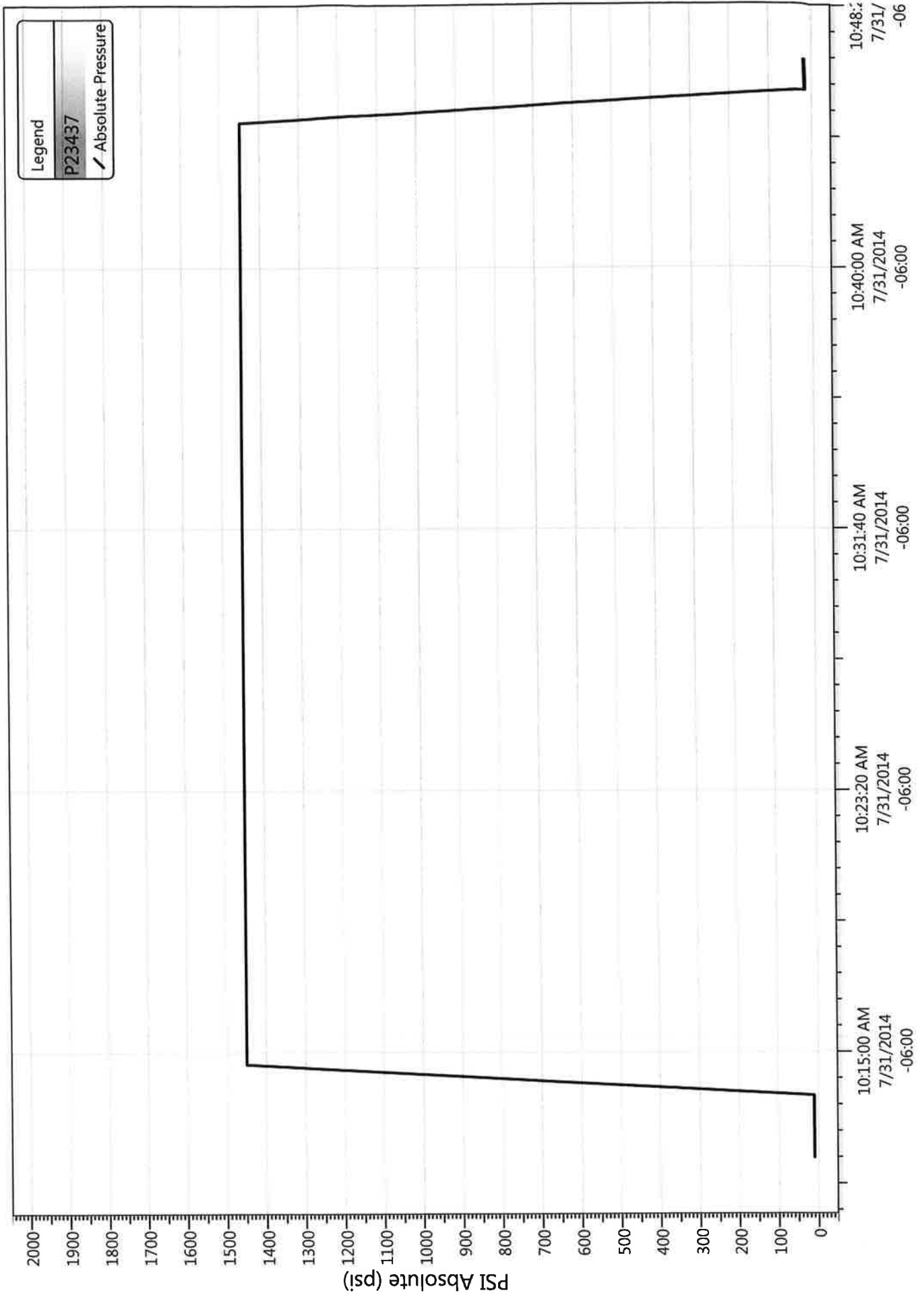
| <u>Time</u> | <u>Casing Pressure</u> |      |
|-------------|------------------------|------|
| 0 min       | <u>1449</u>            | psig |
| 5           | <u>1449</u>            | psig |
| 10          | <u>1450</u>            | psig |
| 15          | <u>1450</u>            | psig |
| 20          | <u>1449</u>            | psig |
| 25          | <u>1449</u>            | psig |
| 30 min      | <u>1449</u>            | psig |
| 35          |                        | psig |
| 40          |                        | psig |
| 45          |                        | psig |
| 50          |                        | psig |
| 55          |                        | psig |
| 60 min      |                        | psig |

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness:   
Signature of Person Conducting Test: 

Ashley 14-13-9-15 MIT  
7/31/2014 10:11:12 AM





Well Name: Ashley 14-13-9-15

### Job Detail Summary Report

| Jobs             |            | Job Start Date | Job End Date |
|------------------|------------|----------------|--------------|
| Primary Job Type | Conversion | 7/24/2014      | 7/31/2014    |

| Daily Operations  |           | 24hr Activity Summary                          |
|-------------------|-----------|--|
| Report Start Date | 7/24/2014 | MIRU   |
| Report End Date   | 7/24/2014 |  |
| Start Time        | 13:00     | End Time                                       |
| Start Time        | 14:30     | End Time                                       |
| Start Time        | 17:30     | End Time                                       |
| Start Time        | 18:00     | End Time                                       |
| Report Start Date | 7/25/2014 | 24hr Activity Summary                          |
| Report End Date   | 7/25/2014 | ND WH, NU BOP, L/D TBG                         |
| Start Time        | 06:00     | End Time                                       |
| Start Time        | 07:00     | End Time                                       |
| Start Time        | 09:00     | End Time                                       |
| Start Time        | 10:30     | End Time                                       |
| Start Time        | 13:30     | End Time                                       |
| Start Time        | 15:00     | End Time                                       |
| Start Time        | 16:00     | End Time                                       |
| Start Time        | 17:00     | End Time                                       |
| Report Start Date | 7/28/2014 | 24hr Activity Summary                          |
| Report End Date   | 7/28/2014 | FISH VALVE, FLUSH TBG, POOH TBG SV STUCK IN JT |
| Start Time        | 06:00     | End Time                                       |
| Start Time        | 07:00     | End Time                                       |
| Start Time        | 07:30     | End Time                                       |
| Start Time        | 08:30     | End Time                                       |
| Start Time        | 09:30     | End Time                                       |
| Start Time        | 11:00     | End Time                                       |
| Start Time        | 13:00     | End Time                                       |

| Start Time | End Time | Comment   |
|------------|----------|---|
| 14:30      | 14:30    | SPOT RIG, PREP TO RU, RU  |
| 17:30      | 17:30    | FLUSH TBG W/ 60 BBL XO TO ROD EQUIP. 1000 PSI ON HOT OIL TRUCK ENTIRE FLUSH, FLOWED CSG TO ZUBI TANK, CSG WOULD NOT BLEED OFF   |
| 18:00      | 18:00    | SWI, CLEAN UP FOR THE NIGHT   |
| 19:00      | 19:00    | TRAVEL TIME   |
| 07:00      | 07:00    | CREW TRAVEL   |
| 09:00      | 09:00    | PUMPED 60 BBLS DOWN, BLAED CSG DOWN TO ZUBI   |
| 10:30      | 10:30    | POOH WH, NU BOP, RU FLOOR & TONGS   |
| 13:30      | 13:30    | POOH W/ 125 JTS 2 7/8" J-55. BREAKING & DOPING COLLARS ON THE WAY OUT, L/D JTS 2 7/8", N.C  |
| 15:00      | 15:00    | MU & RIH W/ 2 3/8" COLLAR, 2 3/8" XN, 2 3/8 X 2 7/8, PKR, ON/OFF, SN 125 2 7/8" J-55  |
| 16:00      | 16:00    | TBG STAYED FULL, DROPPED VALVE, PUMPED 40 BBL, COULDNT GET VALVE PUMPED TO SN   |
| 17:00      | 17:00    | RU & RIH W/ SANDLINE, PUSHED VALVE TO SN, POOH & HANG BACK SANDLINE, PUMPED 40 BBL, STILL COULDNT CATCH PRESSURE, SWI   |
| 18:00      | 18:00    | TRAVEL TIME   |
| 07:00      | 07:00    | TRAVEL TIME   |
| 07:30      | 07:30    | PUMPED 30 BBLS DOWN TBG, STILL COULDNT CATCH PSI  |
| 08:30      | 08:30    | RIH W/ SANDLINE & OVERSHOT, FISH VALVE, POOH & HAND BACK SANDLINE   |
| 09:30      | 09:30    | FLUSHED TBG W/ 40 BBLS, DROPPED VALVE, PUMPED 30 BBLS, STILL COULDNT CATCH PSI  |
| 11:00      | 11:00    | POOH W/ 125 JTS 2 7/8" J-55, SV WAS STUCK IN JT 125, LD JT. U.P NEW JT  |
| 13:00      | 13:00    | RIH W/ 62 JTS 2 7/8" J-55 DROPPED VALVE, FILLED W/ 5 BBLS, TESTED TBG TO 3000 PSI, RIH W/ 62 JTS 2 7/8" J-55  |
| 17:30      | 17:30    | FILLED TBG W/ 5 BBLS, PUMPED TBG UP TO 3000 PSI, LOST 100 PSI IN 30 MIN, PUMPED TBG UP TO 3000 PSI 4 MORE TIMES, LOST 75 1ST TIME, 50 2ND TIME, LOST 30 3RD TIME, LOST 25 4TH TIME, LAST TEST LOST 20 MIN |



Well Name: Ashley 14-13-9-15

### Job Detail Summary Report

|                   |           |                 |           |   |   |
|-------------------|-----------|-----------------|-----------|---|---|
| Start Time        | 17:30     | End Time        | 18:00     | Comment   | SWI, CLEAN UP FOR THE NIGHT   |
| Start Time        | 18:00     | End Time        | 19:00     | Comment   | TRAVEL TIME   |
| Report Start Date | 7/29/2014 | Report End Date | 7/29/2014 | 24hr Activity Summary<br>RU & RIH W/ SAND LINE & OVERSHOT, FISH VALVE POOH & RD SANDLINE RD FLOOR |   |
| Start Time        | 06:00     | End Time        | 07:00     | Comment   | TRAVEL TIME   |
| Start Time        | 07:00     | End Time        | 08:00     | Comment   | PUMPED TBG UP TO 3000 PSI, HELD FOR 30 MIN  |
| Start Time        | 08:00     | End Time        | 09:00     | Comment   | RU & RIH W/ SANDLINE & OVERSHOT, FISH VALVE, POOH & RD SANDLINE   |
| Start Time        | 09:00     | End Time        | 10:30     | Comment   | RD FLOOR & TONGS, ND BOP'S NU B-1   |
| Start Time        | 10:30     | End Time        | 12:30     | Comment   | CLEAN UP RIG & LOCATION WHILE WAITING ON WATER FOR MIXING   |
| Start Time        | 12:30     | End Time        | 15:00     | Comment   | PUMPED 50 BBL PKR FLUID, U.P & SET PKR W/ 15000 TENSION. ND B-1. NU INJ HEAD, CSG STAYED FULL, PUMPED CSG UP TO 1500 PSI, LOST 40 PSI IN 30 MIN, PUMPED BACK UP TO 1500 PSI, HELD FOR 30 MIN  |
| Start Time        | 15:00     | End Time        | 16:00     | Comment   | TRAVEL TIME   |
| Report Start Date | 7/31/2014 | Report End Date | 7/31/2014 | 24hr Activity Summary<br>Conduct MIT  |   |
| Start Time        | 10:15     | End Time        | 10:45     | Comment   | On 07/30/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/31/2014 the casing was pressured up to 1449 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. |



**NEWFIELD**

**Schematic**

**Well Name: Ashley 14-13-9-15**

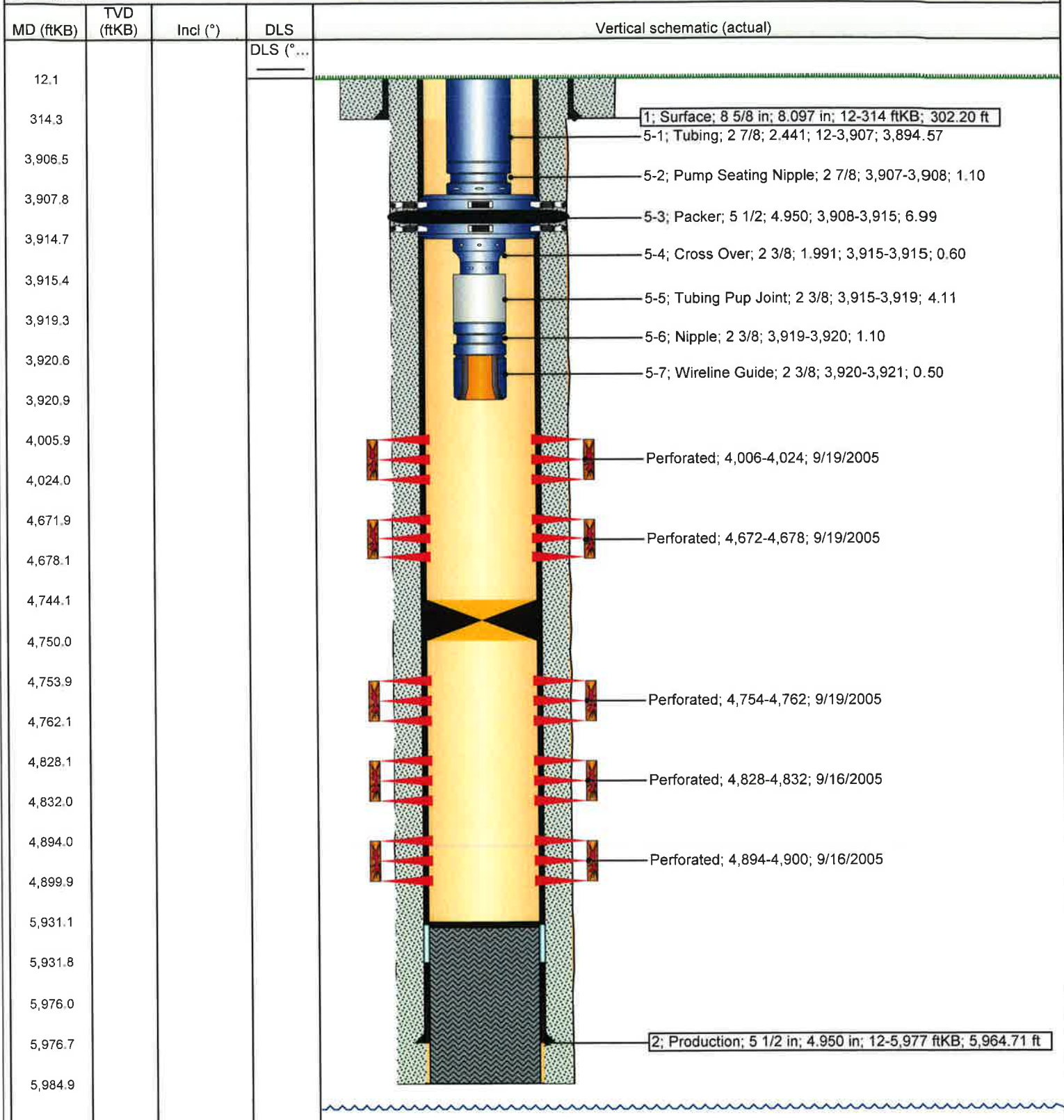
|                                     |                  |                                 |                                     |                                |                              |  |                    |
|-------------------------------------|------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location<br>13-9S-15E |                  | API/UWI<br>43013326690000       | Well RC<br>500151917                | Lease                          | State/Province<br>Utah       | Field Name<br>GMBU CTB2                      | County<br>DUCHESNE |
| Spud Date                           | Rig Release Date | On Production Date<br>9/24/2005 | Original KB Elevation (ft)<br>6,170 | Ground Elevation (ft)<br>6,158 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB)<br>Original Hole - 5,931.2 |                    |

**Most Recent Job**

|                                       |                                |                             |                             |                           |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|
| Job Category<br>Production / Workover | Primary Job Type<br>Conversion | Secondary Job Type<br>Basic | Job Start Date<br>7/24/2014 | Job End Date<br>7/31/2014 |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|

**TD: 5,985.0**

Vertical - Original Hole, 8/4/2014 11:35:28 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
Ashley 14-13-9-15**

|                                     |  |                                |  |  |  |
|-------------------------------------|--|--------------------------------|--|--|--|
| Surface Legal Location<br>13-9S-15E |  | API/UWI<br>43013326690000      |  | Lease  |  |
| County<br>DUCHESNE                  |  | State/Province<br>Utah         |  | Field Name<br>GMBU CTB2                      |  |
| Well Start Date<br>7/27/2005        |  | Spud Date                      |  | Final Rig Release Date                       |  |
| Original KB Elevation (ft)<br>6,170 |  | Ground Elevation (ft)<br>6,158 |  | Total Depth (ftKB)<br>5,985.0                |  |
|                                     |  | Total Depth All (TVD) (ftKB)   |  | PBTB (All) (ftKB)<br>Original Hole - 5,931.2 |  |

**Casing Strings**

| Csg Des    | Run Date  | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|-----------|---------|---------|----------------|-------|------------------|
| Surface    | 8/26/2005 | 8 5/8   | 8.097   | 24.00          | J-55  | 314              |
| Production | 8/31/2005 | 5 1/2   | 4.950   | 15.50          | J-55  | 5,977            |

**Cement****String: Surface, 314ftKB 8/26/2005**

|                   |  |                          |                              |              |                              |
|-------------------|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company |  | Top Depth (ftKB)<br>12.0 | Bottom Depth (ftKB)<br>314.2 | Full Return? | Vol Cement Ret (bb)          |
| Fluid Description |  | Fluid Type<br>Lead       | Amount (sacks)<br>160        | Class<br>G   | Estimated Top (ftKB)<br>12.0 |

**String: Production, 5,977ftKB 9/1/2005**

|  |  |                          |                                |                       |                                 |
|--|--|--------------------------|--------------------------------|-----------------------|---------------------------------|
| Cementing Company  |  | Top Depth (ftKB)<br>12.0 | Bottom Depth (ftKB)<br>5,985.0 | Full Return?          | Vol Cement Ret (bb)             |
| Fluid Description<br>10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake |  | Fluid Type<br>Lead       | Amount (sacks)<br>300          | Class<br>Premilite II | Estimated Top (ftKB)<br>12.0    |
| Fluid Description<br>2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM                    |  | Fluid Type<br>Tail       | Amount (sacks)<br>450          | Class<br>50/50 POZ    | Estimated Top (ftKB)<br>2,390.7 |

**Tubing Strings**

| Tubing Description<br>Tubing |     | Run Date<br>7/30/2014 |         |            | Set Depth (ftKB)<br>3,921.0 |          |            |            |
|------------------------------|-----|-----------------------|---------|------------|-----------------------------|----------|------------|------------|
| Item Des                     | Jts | OD (in)               | ID (in) | Wt (lb/ft) | Grade                       | Len (ft) | Top (ftKB) | Btm (ftKB) |
| Tubing                       | 125 | 2 7/8                 | 2.441   | 6.50       | J-55                        | 3,894.57 | 12.0       | 3,906.6    |
| Pump Seating Nipple          | 1   | 2 7/8                 |         |            |                             | 1.10     | 3,906.6    | 3,907.7    |
| Packer                       | 1   | 5 1/2                 | 4.950   |            |                             | 6.99     | 3,907.7    | 3,914.7    |
| Cross Over                   | 1   | 2 3/8                 | 1.991   |            |                             | 0.60     | 3,914.7    | 3,915.3    |
| Tubing Pup Joint             | 1   | 2 3/8                 |         |            |                             | 4.11     | 3,915.3    | 3,919.4    |
| Nipple                       | 1   | 2 3/8                 |         |            |                             | 1.10     | 3,919.4    | 3,920.5    |
| Wireline Guide               | 1   | 2 3/8                 |         |            |                             | 0.50     | 3,920.5    | 3,921.0    |

**Rod Strings**

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

**Other In Hole**

| Des                     | Top (ftKB) | Btm (ftKB) | Run Date  | Pull Date |
|-------------------------|------------|------------|-----------|-----------|
| Retrievable Bridge Plug | 4,744      | 4,750      | 9/18/2013 |           |

**Perforation Intervals**

| Stage# | Zone                | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (°) | Nom Hole Dia (in) | Date      |
|--------|---------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 5      | GB2, Original Hole  | 4,006      | 4,024      | 4                    |             |                   | 9/19/2005 |
| 4      | D2, Original Hole   | 4,672      | 4,678      | 4                    |             |                   | 9/19/2005 |
| 3      | C, Original Hole    | 4,754      | 4,762      | 4                    |             |                   | 9/19/2005 |
| 2      | B .5, Original Hole | 4,828      | 4,832      | 4                    |             |                   | 9/16/2005 |
| 1      | B2, Original Hole   | 4,894      | 4,900      | 4                    |             |                   | 9/16/2005 |

**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      | 2,300      | 0.91                   | 25.2               | 1,925         |                       |                        |                 |
| 1      | 2,300      | 0.91                   | 25.2               | 1,925         |                       |                        |                 |
| 2      | 3,650      | 1.2                    | 31.8               | 2,485         |                       |                        |                 |
| 3      | 2,030      | 0.87                   | 25.2               | 2,125         |                       |                        |                 |
| 4      | 2,610      | 1.08                   | 25.2               | 2,100         |                       |                        |                 |

**Proppant**

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|------------------|
| 1      |                            |                  |
| 1      |                            |                  |
| 2      |                            |                  |
| 3      |                            |                  |
| 4      |                            |                  |

|  |  |
|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b>  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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:<br>UTU-68548 |
| 1. TYPE OF WELL<br>Water Injection Well  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                |
| 2. NAME OF OPERATOR:<br>NEWFIELD PRODUCTION COMPANY  | 7. UNIT or CA AGREEMENT NAME:<br>GMBU (GRRV)         |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630 , Myton, UT, 84052  | 8. WELL NAME and NUMBER:<br>ASHLEY FED 14-13-9-15    |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0758 FSL 2020 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 15.0E Meridian: S   | 9. API NUMBER:<br>43013326690000                     |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630 , Myton, UT, 84052  | 9. FIELD and POOL or WILDCAT:<br>MONUMENT BUTTE      |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630 , Myton, UT, 84052  | PHONE NUMBER:<br>435 646-4825 Ext                    |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0758 FSL 2020 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 15.0E Meridian: S   | COUNTY:<br>DUCHESNE                                  |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0758 FSL 2020 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SESW Section: 13 Township: 09.0S Range: 15.0E Meridian: S   | STATE:<br>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<br>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<br>Date of Work Completion:<br>10/29/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>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<br>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 10:45 AM on 10/29/2014.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: ~~November 10, 2014~~

By:

|  |                              |                                    |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT)<br>Lucy Chavez-Naupoto | PHONE NUMBER<br>435 646-4874 | TITLE<br>Water Services Technician |
| SIGNATURE<br>N/A                           | DATE<br>10/30/2014           |                                    |



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-372

**Operator:** Newfield Production Company  
**Well:** Ashley Federal 14-13-9-15  
**Location:** Section 13, Township 9 South, Range 15 East  
**County:** Duchesne  
**API No.:** 43-013-32669  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 31, 2011.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,925' – 5,931')
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*  
John Rogers  
Associate Director

*10/27/2014*  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
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

GREGORY S. BELL  
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

March 31, 2011

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

Subject: Greater Monument Butte Unit Well: Ashley Federal 14-13-9-15, Section 13, Township 9 South, Range 15 East, SLBM, Duchesne County, Utah, API Well # 43-013-32669

Gentlemen:

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.

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,

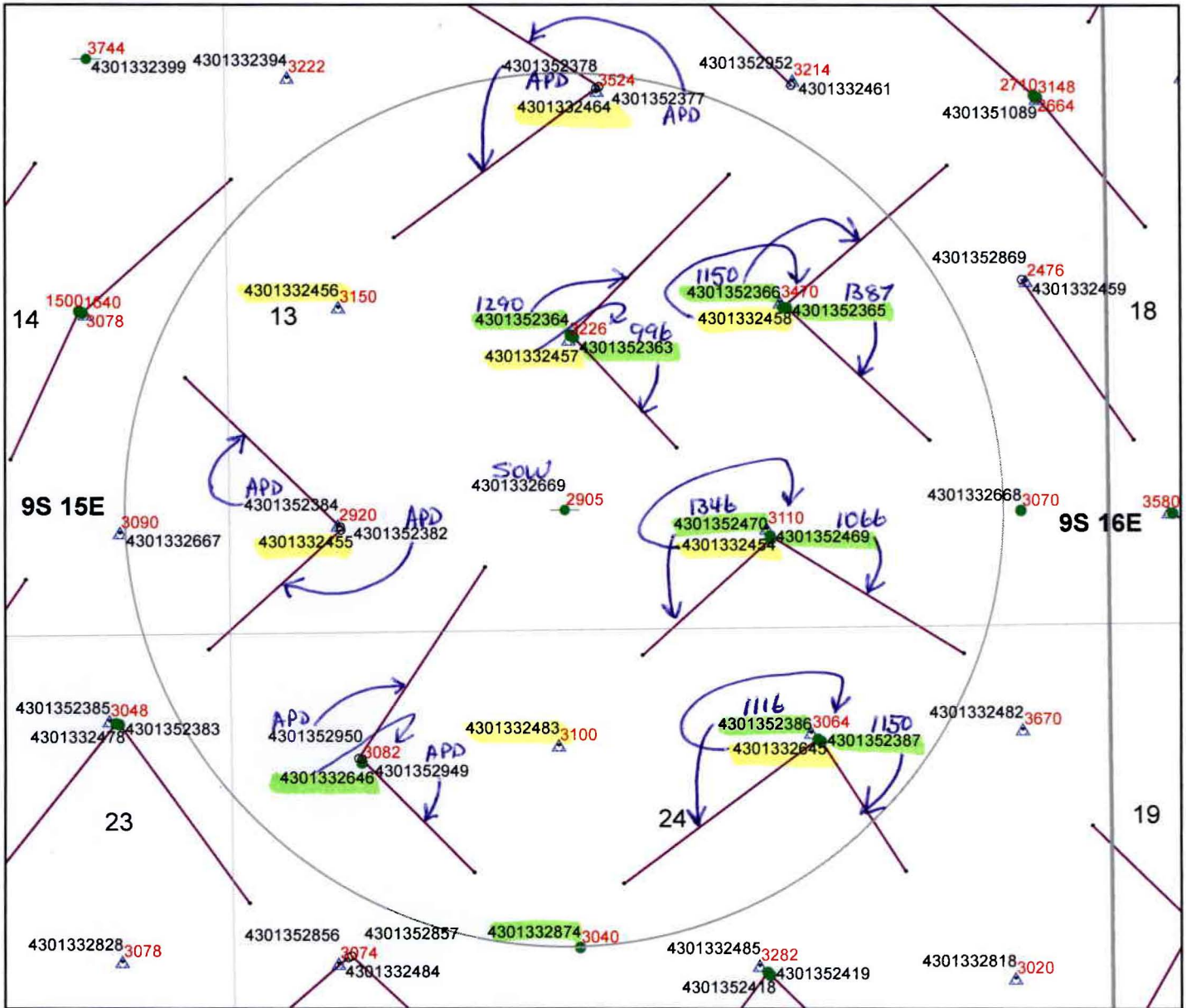
John Rogers  
Associate Director

JR/MLR/js

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

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



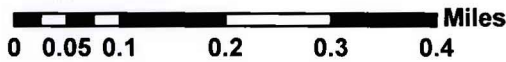


**Legend**

**Oil & Gas Well Type**

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- <sub>GS</sub> 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 *in AOR*
- ▲ 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 *in AOR*
- WSW-Water Supply Well

**Cement Bond Tops**  
**Ashley Federal 14-13-9-15**  
**API #43-013-32669**  
**UIC-372.13**  
*(updated 9/30/2014)*



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbTopsMaster 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:** Ashley Federal 14-13-9-15

**Location:** 13/9S/15E      **API:** 43-013-32669

**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. The Federal Government is the mineral owner 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 314 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,977 feet. The cement bond log is somewhat problematic, but it demonstrates adequate bond in this well up to about 2,905 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,956 feet. Higher perforations will 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 (9/30/2014), based on surface locations, there are 10 producing wells, 8 injection wells, and 1 shut-in well (the proposed injection well) in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. Additionally, there is 1 currently approved surface location inside the AOR for a directional well with a bottom hole location outside the AOR. All of the existing wells have evidence of adequate casing and cement.

**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 1900 feet. Injection shall be limited to the interval between 3,925 feet and 5,931 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 14-13-9-15 well is 0.87 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,000 psig. The requested maximum pressure is 2,000 psig. We intend to permit this well at a maximum pressure of 2,000 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.

**Ashley Federal 14-13-9-15**  
**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: 3/1/2011 (revised 9/30/2014)



PROOF OF PUBLICATION

CUSTOMER'S COPY

| CUSTOMER NAME AND ADDRESS  | ACCOUNT NUMBER | DATE     |
|--|----------------|----------|
| DIV OF OIL-GAS & MINING,<br>1594 W NORTH TEMP #1210<br>P.O. BOX 145801<br>SALT LAKE CITY, UT 84114 | 9001402352     | 3/1/2011 |

RECEIVED  
MAR 08 2011  
DIV. OF OIL, GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-372

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 14, AND 15 TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTION 1, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE 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 for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Ashley Federal 2-13-9-15 well located in NW/4 NE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 4-13-9-15 well located in NW/4 NW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 6-13-9-15 well located in SE/4 NW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 8-13-9-15 well located in SE/4 NE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 10-13-9-15 well located in NW/4 SE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 12-13-9-15 well located in NW/4 SW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 14-13-9-15 well located in SE/4 SW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 16-13-9-15 well located in SE/4 SE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 2-14-9-15 well located in NW/4 NE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 4-14-9-15 well located in NW/4 NW/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 6-14-9-15 well located in SE/4 NE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 16-14-9-15 well located in SE/4 SE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 2-15-9-15 well located in NW/4 NE/4, Section 15, Township 9 South, Range 15 East  
Monument Butte 1-23 well located in NE/4 SW/4, Section 1, Township 9 South, Range 16 East

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) 338-5340. 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 February, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Brad Hill  
Permitting Manager

667853 UPAXLP

| ACCOUNT NAME   |                           |
|--|---------------------------|
| DIV OF OIL-GAS & MINING,   |                           |
| TELEPHONE  | ADORDER# / INVOICE NUMBER |
| 8015385340   | 0000667853 /              |
| SCHEDULE   |                           |
| Start 02/28/2011   | End 02/28/2011            |
| CUST. REF. NO.   |                           |
| Cause # UIC-372  |                           |
| CAPTION  |                           |
| BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES |                           |
| SIZE   |                           |
| 82 Lines   | 2.00 COLUMN               |
| TIMES  | RATE                      |
| 3  |                           |
| MISC. CHARGES  | AD CHARGES                |
|  |                           |
| TOTAL COST   |                           |
| 210.00   |                           |

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-372 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 02/28/2011 End 02/28/2011

SIGNATURE Bobby Taylor

Notary Public, State of Utah  
Commission # 531469  
My Commission Expires  
January 12, 2014

Virginia Craft

3/1/2011

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

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR 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 March, 2011, and that the last publication of such notice was in the issue of such newspaper dated the 1 day of March, 2011, 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.

Geoff Liesik  
Editor

Subscribed and sworn to before me this  
2 day of March, 2011

Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-372

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 14, AND 15 TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTION 1, 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 for administrative approval of the following

wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 2-13-9-15 well located in NW/4 NE/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 4-13-9-15 well located in NW/4 NW/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 6-13-9-15 well located in SE/4 NW/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 8-13-9-15 well located in SE/4 NE/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 10-13-9-15 well located in NW/4 SE/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 12-13-9-15 well located in NW/4 SW/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 14-13-9-15 well located in SE/4 SW/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 16-13-9-15 well located in SE/4 SE/4, Section 13, Township 9 South, Range 15 East

Ashley Federal 2-14-9-15 well located in NW/4 NE/4, Section 14, Township 9 South, Range 15 East

Ashley Federal 4-14-9-15 well located in NW/4 NW/4, Section 14, Township 9 South, Range 15 East

Ashley Federal 8-14-9-15 well located in SE/4 NE/4, Section 14, Township 9 South, Range 15 East

Ashley Federal 16-14-9-15 well located in SE/4 SE/4, Section 14, Township 9 South, Range 15 East

Ashley Federal 2-15-9-15 well located in NW/4 NE/4, Section 15, Township 9 South, Range 15 East

Monument Butte 1-23 well located in NE/4 SW/4, Section 1, Township 9 South, Range 16 East

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

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-372

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 14, AND 15 TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTION 1, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Ashley Federal 6-13-9-15 well located in SE/4 NW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 8-13-9-15 well located in SE/4 NE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 10-13-9-15 well located in NW/4 SE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 12-13-9-15 well located in NW/4 SW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 14-13-9-15 well located in SE/4 SW/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 16-13-9-15 well located in SE/4 SE/4, Section 13, Township 9 South, Range 15 East  
Ashley Federal 2-14-9-15 well located in NW/4 NE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 4-14-9-15 well located in NW/4 NW/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 8-14-9-15 well located in SE/4 NE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 16-14-9-15 well located in SE/4 SE/4, Section 14, Township 9 South, Range 15 East  
Ashley Federal 2-15-9-15 well located in NW/4 NE/4, Section 15, Township 9 South, Range 15 East  
Monument Butte 1-23 well located in NE/4 SW/4, Section 1, Township 9 South, Range 16 East


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 interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of February, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 2-13-9-15, ASHLEY FEDERAL 4-13-9-15,  
ASHLEY FEDERAL 6-13-9-15, ASHLEY FEDERAL 8-13-9-15,  
ASHLEY FEDERAL 10-13-9-15, ASHLEY FEDERAL 12-13-9-15,  
ASHLEY FEDERAL 14-13-9-15, ASHLEY FEDERAL 16-13-9-15,  
ASHLEY FEDERAL 2-14-9-15, ASHLEY FEDERAL 4-14-9-15,  
ASHLEY FEDERAL 8-14-9-15, ASHLEY FEDERAL 16-14-9-15,  
ASHLEY FEDERAL 2-15-9-15, MONUMENT BUTTE 1-23**

**Cause No. UIC-372**

Publication Notices were sent to the following:

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

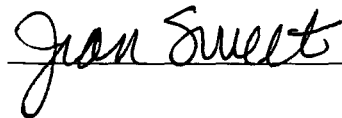
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

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

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

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

February 24, 2011

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-372

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](mailto: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





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

February 24, 2011

Via e-mail: [naclegal@mediaoneutah.com](mailto: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-372

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](mailto: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

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-372**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 2/24/2011 12:22 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-372

---

Ad #667853 is scheduled to run February 28th in Salt Lake Tribune and Online utahlegals.com .

Total charge is \$210.00. Please check the ad in the paper.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com

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**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Thursday, February 24, 2011 11:28 AM  
**To:** naclegal@mediaoneutah.com



February 9, 2011

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Ashley Federal #14-13-9-15  
Monument Butte Field, Lease #UTU-68548  
Section 13-Township 9S-Range 15E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Ashley Federal #14-13-9-15 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,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long horizontal flourish extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**FEB 10 2011**

DIV. OF OIL, GAS & MINING



**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**ASHLEY FEDERAL #14-13-9-15**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-68548**  
**FEBRUARY 9, 2011**

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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: Ashley Federal #16-13-9-15  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-68548  
Well Location: QQ SE/SW section 13 township 9S range 15E 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: 43-013-32669

Proposed injection interval:       from       3925       to       5931  
Proposed maximum injection:     rate       500 bpd pressure 2000 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: Eric Sundberg Signature   
Title Regulatory Lead Date 2/19/11  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Ashley Federal 14-13-9-15

Spud Date: 7/27/05  
 Put on Production: 9/24/05  
 GL: 6158' KB: 6170'

Initial Production: 46 BOPD,  
 32 MCFD, 92 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

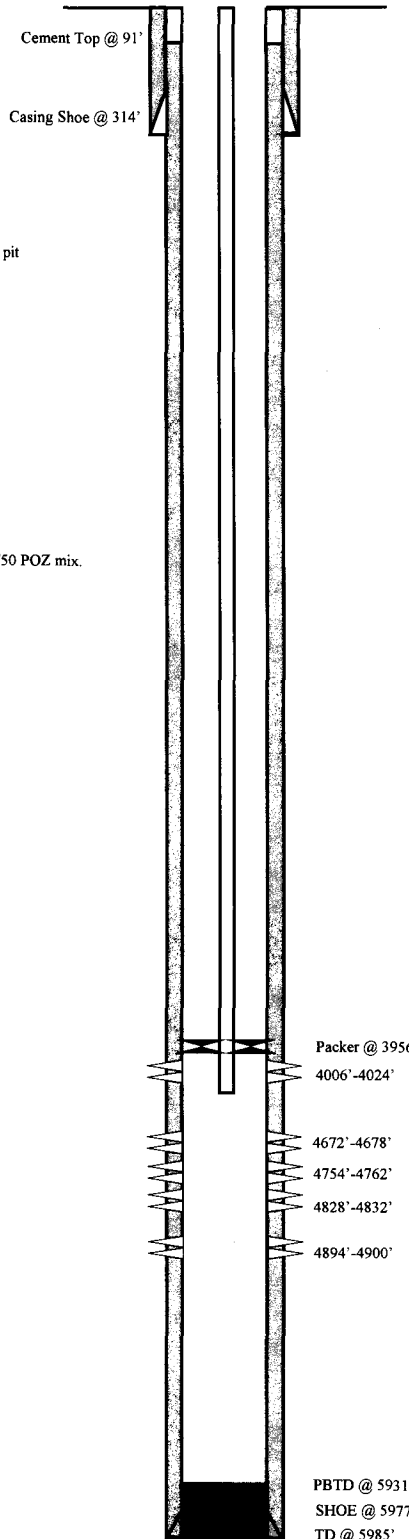
CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.2')  
 DEPTH LANDED: 314.2' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 4 bbls cement to pit

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5978.71')  
 DEPTH LANDED: 5976.71' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 300 sks Prem. Lite II mixed & 450 sks 50/50 POZ mix.  
 CEMENT TOP AT: 91'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 156 jts (4858.15")  
 TUBING ANCHOR: 4870.15' KB  
 NO. OF JOINTS: 1 jts (31.05')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4904.00' KB  
 NO. OF JOINTS: 2 jts (62.38')  
 TOTAL STRING LENGTH: 4967.93' w/ 12' KB



### FRAC JOB

|                     |  |
|---------------------|--|
| 9/19/05 4828'-4900' | <b>Frac B.5 &amp; 2 sands as follows:</b><br>59,638#'s of 20/40sand in 476 bbls lightning 17 frac fluid. Treated @ avg press of 1690, w/avg rate of 25 bpm. ISIP 2300 psi. Calc flush: 4826 gal. Actual flush: 4872 gal. |
| 9/19/05 4754'-4762' | <b>Frac C sands as follows:</b><br>49,648#'s of 20/40 sand in 418 bbls lightning 17 frac fluid. Treated @ avg press of 2308, w/avg rate of 28.5 bpm. ISIP 3650 psi. Calc flush: 4752 gal. Actual flush: 4788 gal.        |
| 9/19/05 4672'-4678' | <b>Frac D2 sands as follows:</b><br>60,644#'s of 20/40 sand in 323 bbls lightning 17 frac fluid. Treated @ avg press of 1910, w/avg rate of 25.1 bpm. ISIP 2030 psi. Calc flush: 4670 gal. Actual flush: 4662 gal.       |
| 9/19/05 4006'-4024' | <b>Frac GB2 sands as follows:</b><br>84,673#'s of 20/40 sand in 583 bbls lightning 17 frac fluid. Treated @ avg press of 1903, w/avg rate of 25 bpm. ISIP 2610 psi. Calc flush: 4004 gal. Actual flush: 3906 gal.        |
| 02/08/06            | Pump Change. Update tubing and rod details.  |
| 05/29/08            | Production log. Updated rod and tubing detail  |
| 4/28/09             | RTP . Updated r & t details.   |

### PERFORATION RECORD

|         |             |        |          |
|---------|-------------|--------|----------|
| 9/19/05 | 4894'-4900' | 4 JSPF | 24 holes |
| 9/19/05 | 4828'-4832' | 4 JSPF | 16 holes |
| 9/19/05 | 4754'-4762' | 4 JSPF | 32 holes |
| 9/19/05 | 4672'-4678' | 4 JSPF | 24 holes |
| 9/19/05 | 4006'-4024' | 4 JSPF | 72 holes |

**NEWFIELD**

Ashley Federal 14-13-9-15  
 758' FSL & 2020' FWL  
 SE/SW Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32669; Lease #UTU-68548

## 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 17<sup>th</sup> 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 Ashley Federal #14-13-9-15 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 Ashley Federal #14-13-9-15 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3925' - 5931'). 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 3588' and the TD is at 5985'.

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

The referenced log for the Ashley Federal #14-13-9-15 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-68548) 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 314' KB, and 5-1/2", 15.5# casing run from surface to 5977' 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.



**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 2000 psig.

**2.8 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 Ashley Federal #14-13-9-15, for existing perforations (4006' - 4900') calculates at 0.87 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 2000 psig. We may add additional perforations between 3588' and 5985'. See Attachments G and G-1.

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

In the Ashley Federal #14-13-9-15, the proposed injection zone (3925' - 5931') 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.

**2.10 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-12.

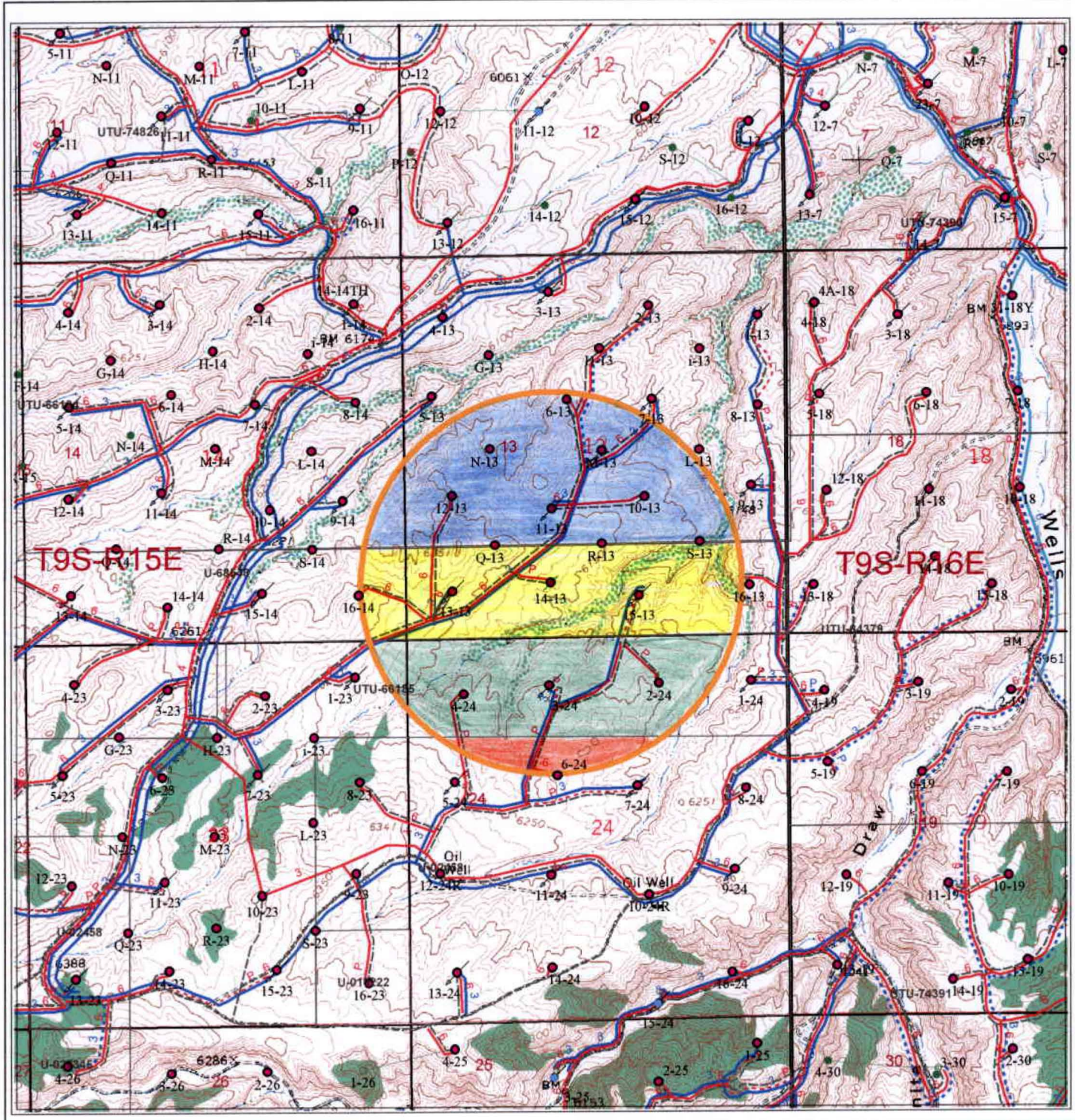
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

**2.11 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.

**2.12 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.



- 14\_13\_9\_15
- Location
- ⊕ CTI
- ⊙ Surface Spud
- ⊙ Drilling
- ⊕ Waiting on Completion
- ⊙ Producing Oil Well
- ⊙ Producing Gas Well
- ⊙ Water Injection Well
- ⊙ Dry Hole
- ⊙ Temporarily Abandoned
- ⊙ Plugged & Abandoned
- ⊙ Shut In
- Countyline
- ⊕ 14\_13\_9\_15\_Buffer
- Injection system
  - high pressure
  - low pressure
  - ⋯ proposed
  - return
  - ⋯ return proposed
- Wells\_Raw
- Leases
- Mining tracts
- Gas Pipelines
- Gathering lines
- ⋯ Proposed lines

UTU-68548  
 UTU-66184  
 UTU-66185  
 UTU-02458

Ashley 14-13  
Section 13, T9S-R15E

**NEWFIELD**  
ROCKY MOUNTAINS 1" = 2000'

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

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

January 17, 2011

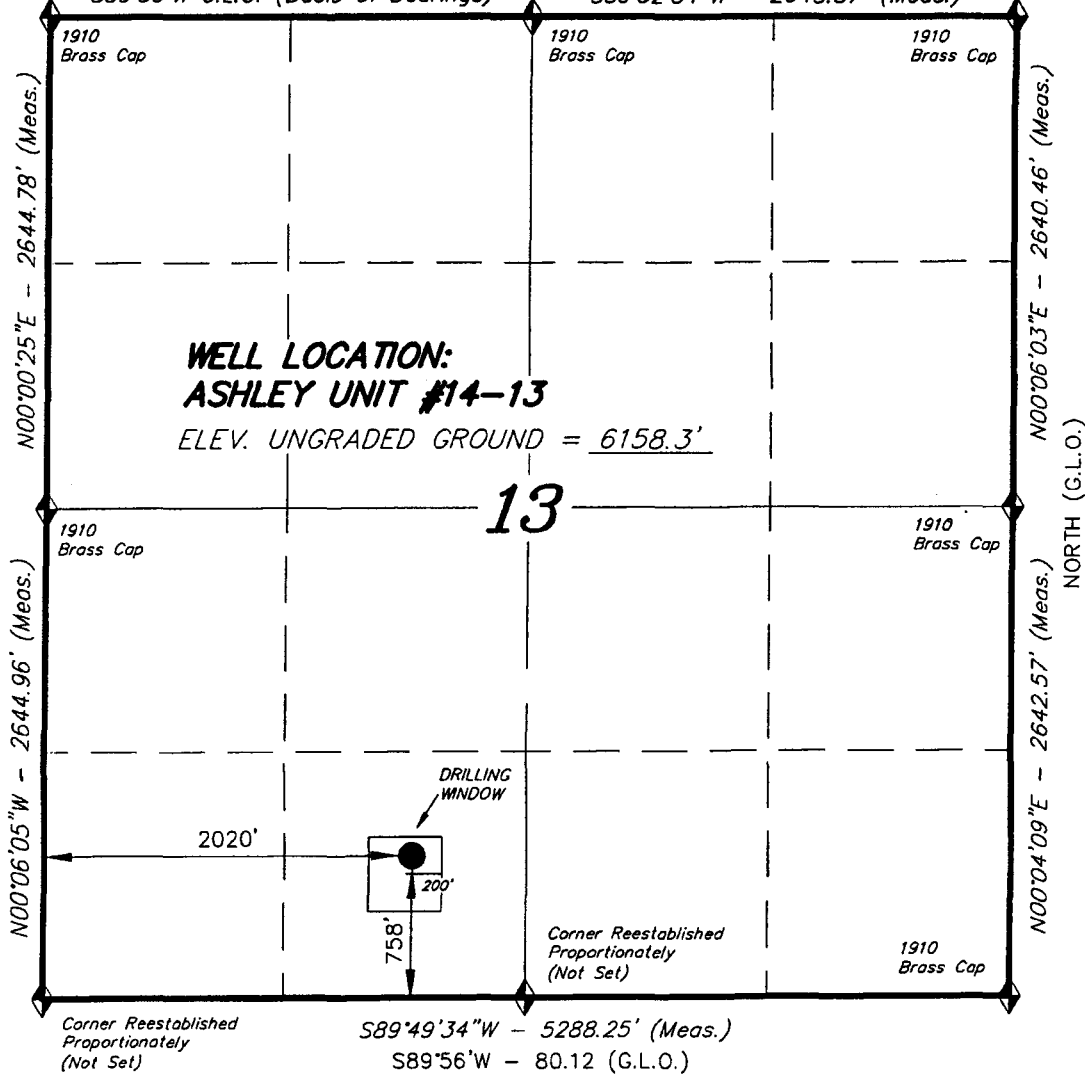
## T9S, R15E, S.L.B.&M.

S89°55'W - 80.16 (G.L.O.)

2651.57' (Measured)

S89°55'W G.L.O. (Basis of Bearings)

S89°52'54"W - 2648.87' (Meas.)



**WELL LOCATION:  
ASHLEY UNIT #14-13**

ELEV. UNGRADED GROUND = 6158.3'

**13**

DRILLING WINDOW

2020'



Corner Reestablished Proportionately (Not Set)

S89°49'34"W - 5288.25' (Meas.)

S89°56'W - 80.12 (G.L.O.)

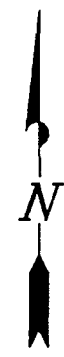
Corner Reestablished Proportionately (Not Set)

◆ = SECTION CORNERS LOCATED

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

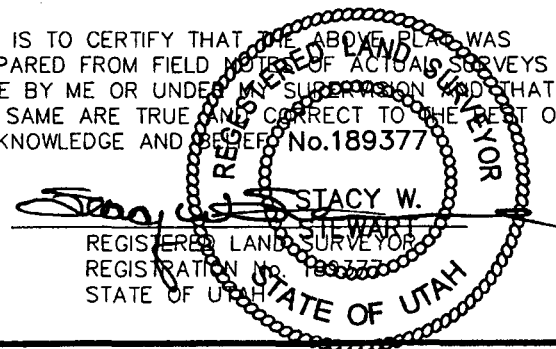
## INLAND PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT #14-13,  
LOCATED AS SHOWN IN THE SE 1/4 SW  
1/4 OF SECTION 13, T9S, R15E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



REGISTERED LAND SURVEYOR  
STACY W. STEWART  
REGISTRATION No. 189377  
STATE OF UTAH  
AUG 18 2004

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



**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 8-18-04     | DRAWN BY: F.T.M.    |
| NOTES:            | FILE #              |

## EXHIBIT B

| # | Legal Description  | Lessor & Expiration     | Lessee & Operating Rights                       | Surface Owner |
|---|--|-------------------------|---|---------------|
| 1 | <u>T9S,R15E SLM</u><br>Section 13: S2S2<br>Section 14: S2S2<br>Section 15: Lot 4 (SESW)<br>Section 22: Lot 1 (NWNW), E2NW, NE<br>Section 23: N2NW  | USA<br>UTU-68548<br>HBP | Newfield Production Company<br>Newfield RMI LLC | USA           |
| 2 | <u>T9S,R15E SLM</u><br>Section 13: N2, N2S2<br>Section 14: N2, N2S2<br>Section 15: Lots 1-3 (E2NW, NESW), E2   | USA<br>UTU-66184<br>HBP | Newfield Production Company<br>Newfield RMI LLC | USA           |
| 3 | <u>T9S,R15E SLM</u><br>Section 22: Lots 2-4 (SWNW, W2SW), E2SW<br>Section 23: NENE, W2E2, S2NW, E2SW<br>Section 24: N2N2<br>Section 25: All<br>Section 26: NE, NENW, S2NW, S2<br>Section 27: Lots 1-2 (W2NW), E2NW, S2NE, SE | USA<br>UTU-66185<br>HBP | Newfield Production Company<br>Newfield RMI LLC | USA           |

## EXHIBIT B

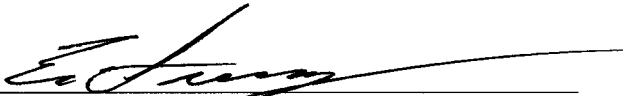
| # | Legal Description   | Lessor & Expiration     | Lessee & Operating Rights                       | Surface Owner |
|---|---|-------------------------|---|---------------|
| 4 | <u>T9S,R15E SLM</u><br>Section 23: SENE, W2SW, NESE<br>Section 24: S2N2, S2 | USA<br>UTU-02458<br>HBP | Newfield Production Company<br>Newfield RMI LLC | USA           |

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Ashley Federal #14-13-9-15

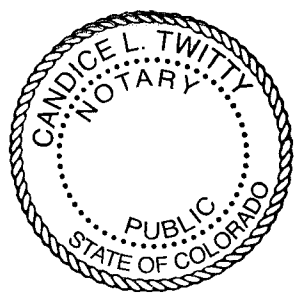
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 9<sup>th</sup> day of February, 2011.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires: 02/10/2013



## Ashley Federal 14-13-9-15

Spud Date: 7/27/05  
 Put on Production: 9/24/05  
 GL: 6158' KB: 6170'

Initial Production: 46 BOPD,  
 32 MCFD, 92 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.2')  
 DEPTH LANDED: 314.2' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 4 bbls cement to pit

### PRODUCTION CASING

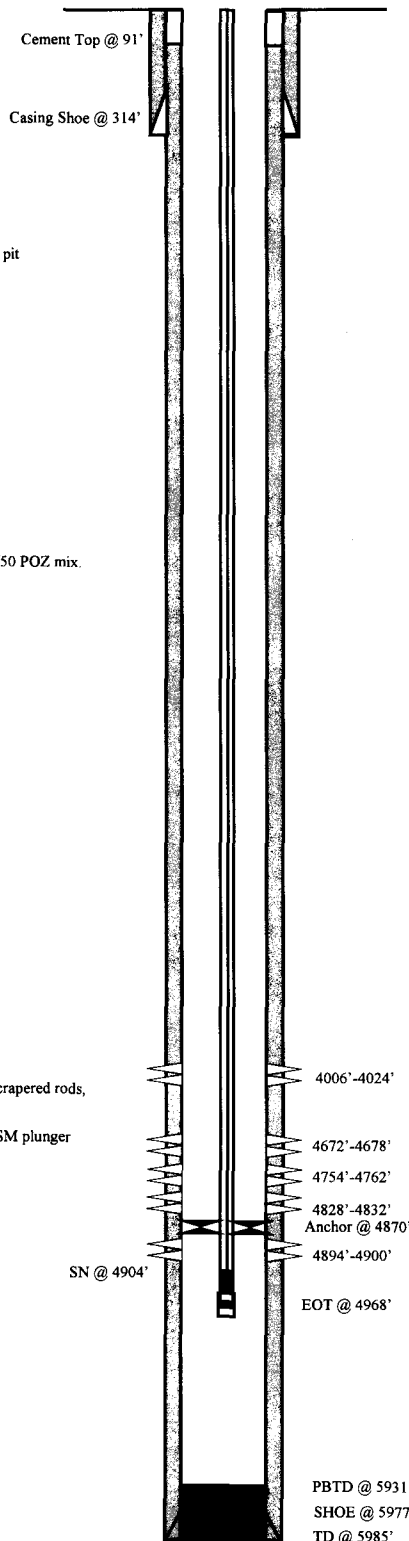
CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5978.71')  
 DEPTH LANDED: 5976.71' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 91'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 156 jts (4858.15")  
 TUBING ANCHOR: 4870.15' KB  
 NO. OF JOINTS: 1 jts (31.05')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4904.00' KB  
 NO. OF JOINTS: 2 jts (62.38')  
 TOTAL STRING LENGTH: 4967.93' w/ 12' KB

### SUCKER RODS

POLISHED ROD: 1 1/2" x 22' polished rod  
 SUCKER RODS: 1-8", 1-6", 1-4", 1-2", x 3/4" ponies, 99-3/4" scraped rods, 80-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 21" x 24' RHAC pump w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM



### FRAC JOB

|          |             |  |
|----------|-------------|--|
| 9/19/05  | 4828'-4900' | <b>Frac B.5 &amp; 2 sands as follows:</b><br>59,638#'s of 20/40sand in 476 bbls lightning 17 frac fluid. Treated @ avg press of 1690, w/avg rate of 25 bpm. ISIP 2300 psi. Calc flush: 4826 gal. Actual flush: 4872 gal. |
| 9/19/05  | 4754'-4762' | <b>Frac C sands as follows:</b><br>49,648#'s of 20/40 sand in 418 bbls lightning 17 frac fluid. Treated @ avg press of 2308, w/avg rate of 28.5 bpm. ISIP 3650 psi. Calc flush: 4752 gal. Actual flush: 4788 gal.        |
| 9/19/05  | 4672'-4678' | <b>Frac D2 sands as follows:</b><br>60,644#'s of 20/40 sand in 323 bbls lightning 17 frac fluid. Treated @ avg press of 1910, w/avg rate of 25.1 bpm. ISIP 2030 psi. Calc flush: 4670 gal. Actual flush: 4662 gal.       |
| 9/19/05  | 4006'-4024' | <b>Frac GB2 sands as follows:</b><br>84,673#'s of 20/40 sand in 583 bbls lightning 17 frac fluid. Treated @ avg press of 1903, w/avg rate of 25 bpm. ISIP 2610 psi. Calc flush: 4004 gal. Actual flush: 3906 gal.        |
| 02/08/06 |             | Pump Change. Update tubing and rod details.  |
| 05/29/08 |             | Production log. Updated rod and tubing detail  |
| 4/28/09  |             | RTP. Updated r & t details.  |

### PERFORATION RECORD

|         |             |        |          |
|---------|-------------|--------|----------|
| 9/19/05 | 4894'-4900' | 4 JSPF | 24 holes |
| 9/19/05 | 4828'-4832' | 4 JSPF | 16 holes |
| 9/19/05 | 4754'-4762' | 4 JSPF | 32 holes |
| 9/19/05 | 4672'-4678' | 4 JSPF | 24 holes |
| 9/19/05 | 4006'-4024' | 4 JSPF | 72 holes |

**NEWFIELD**

Ashley Federal 14-13-9-15  
 758' FSL & 2020' FWL  
 SE/SW Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32669; Lease #UTU-68548

Attachment E-1

### Ashley Federal 10-13-9-15

Spud Date: 2/3/2005  
 Put on Production: 03/4/2005  
 GL: 6115' KB: 6127'

#### Injection Wellbore Diagram

#### SURFACE CASING

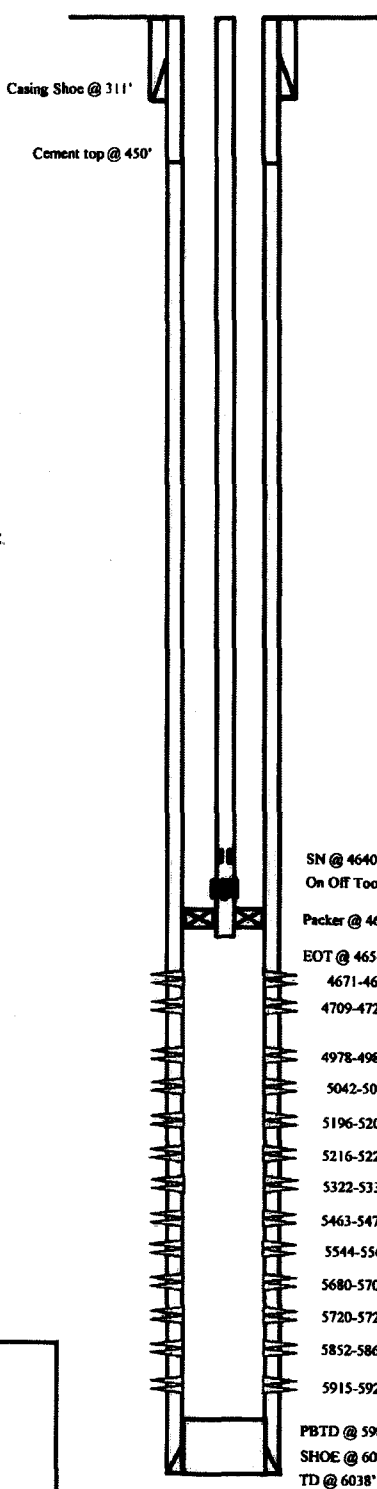
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301')  
 DEPTH LANDED: (311')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class "G", 3 bbls cmt to surface.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6025.2')  
 DEPTH LANDED: (6023.2')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem-lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 450'

#### TUBING

SIZE/GRADE/WT. 2-7/8" J-55 / 6.5#  
 NO OF JOINTS: 141 jts (4627 6')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4639 6' KB  
 ON/OFF TOOL AT: 4640.7'  
 ARROW #1 PACKER CE AT: 4645'  
 TBG PUP 2-3/8 J-55 AT: 4648 7'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4653 1'  
 TOTAL STRING LENGTH: EOT @ 4654.07'



#### FRAC JOB

02/28/05 5852-5922' Frac BS & CP3 sands as follows: 64,491# 20/40 sand in 526 bbls Lightning 17 frac fluid. Treated @ avg press. of 1928 w/ avg rate of 24.6 bpm. ISIP 2180. Calc flush: 5850 gal. Actual flush: 5880 gal

03/01/05 5680-5724' Frac CP3 sands as follows: 69,786# 20/40 sand in 558 bbls Lightning 17 frac fluid. Treated @ avg press. of 1682 w/ avg rate of 24.5 bpm. ISIP 2100. Calc flush: 5678 gal. Actual flush: 5712 gal

03/01/05 5463-5564' Frac CP1 & LODC sands as follows: 94,982# 20/40 sand in 698 bbls Lightning 17 frac fluid. Treated @ avg press. of 1742 w/ avg rate of 24.8 bpm. ISIP 2230. Calc flush: 5461 gal. Actual flush: 5502 gal

03/01/05 5322-5333' Frac LODC sands as follows: 59,881# 20/40 sand in 491 bbls lightning 17 frac fluid. Treated @ avg press. of 2170 w/ avg rate of 24.8 bpm. ISIP 2430. Calc flush: 5320 gal. Actual Flush: 5334 gal.

03/01/05 5196-5221' Frac LODC sands as follows: 29,366# 20/40 sand in 332 bbl lightning 17 frac fluid. Treated @ avg press. of 2258 w/ avg rate of 14.4 bpm. ISIP 3350. Calc flush: 5194 gal. Actual Flush: 5208 gal.

03/01/05 4978-5056' Frac A.5 & A1 sands as follows: 75,155# 20/40 sand in 564 bbls lightning 17 frac fluid. Treated @ avg press. of 1849 w/ avg rate of 24.8 bpm. ISIP 2000. Calc flush: 4976 gal. Actual Flush: 4756 gal.

03/02/05 4671-4722' Frac D2 & D3 sands as follows: 62,583# 20/40 sand in 476 bbls lightning 17 frac fluid. Treated @ avg press. of 1720 w/ avg rate of 24.7 bpm. ISIP 2100. Calc flush: 4669 gal. Actual Flush: 4578 gal.

04/08/08 Workover Rod & Tubing detail updated

4/25/09 RTP. Updated r & t details.

10/17/13 Convert to Injection Well

10/18/13 Conversion MIT Finalized - update thg detail

#### PERFORATION RECORD

| Date      | Interval   | SPF | Holes |
|-----------|------------|-----|-------|
| 2/22/2005 | 5915-5922' | 4   | 28    |
| 2/22/2005 | 5852-5864' | 4   | 48    |
| 2/28/2005 | 5720-5724' | 4   | 16    |
| 2/28/2005 | 5680-5700' | 4   | 80    |
| 3/01/2005 | 5544-5564' | 4   | 80    |
| 3/01/2005 | 5463-5476' | 4   | 52    |
| 3/01/2005 | 5544-5564' | 4   | 44    |
| 3/01/2005 | 5322-5333' | 4   | 20    |
| 3/01/2005 | 5216-5221' | 4   | 28    |
| 3/01/2005 | 5196-5203' | 4   | 28    |
| 3/01/2005 | 5042-5056' | 4   | 56    |
| 3/01/2005 | 4978-4984' | 4   | 24    |
| 3/01/2005 | 4709-4722' | 4   | 52    |
| 3/01/2005 | 4671-4676' | 4   | 20    |

**NEWFIELD**

**Ashley Federal 10-13-9-15**  
 1938' FSL & 1967' FEL  
 NW/SE Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32458; Lease #UTU-66184



Spud Date: 01/20/05  
 Put on Production: 03/01/2005  
 GL: 6157' KB: 6169'

### ASHLEY FEDERAL 11-13-9-15

Initial Production: 85BOPD,  
 254MCFD, 18BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

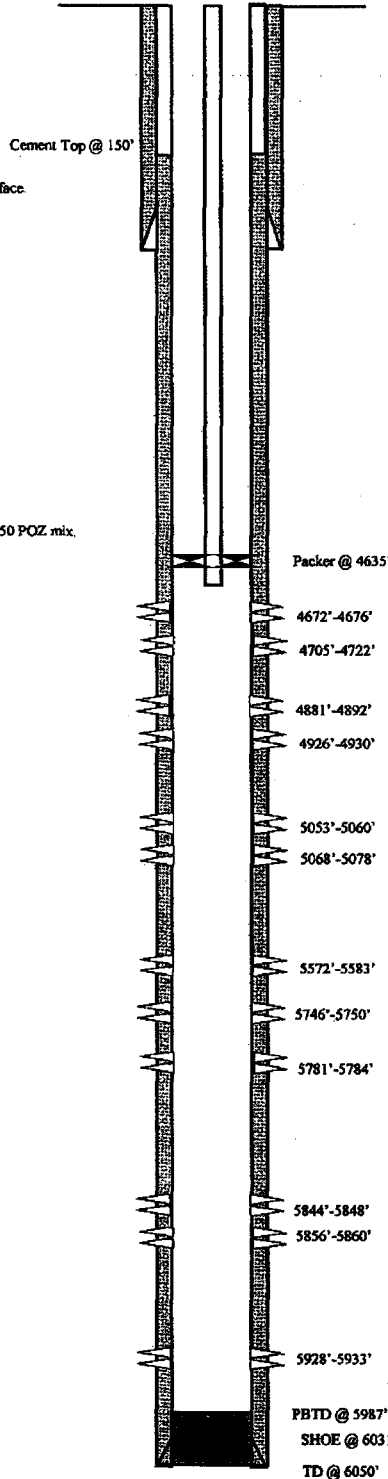
CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (298.09')  
 DEPTH LANDED: 308.09' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. 5 bbls cement to surface.

**PRODUCTION CASING**

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6032.98')  
 DEPTH LANDED: 6030.98' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 300 sks Prem. Lite II mixed & 400 sks 50/50 POZ mix.  
 CEMENT TOP AT: 150'

**TUBING**

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4617.60')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4629.60' KB  
 TOTAL STRING LENGTH: 4638.10' w/ 12' KB



**FRAC JOB**

02/23/05 5746'-5933' Frac BSSD, CP5, CP4, CP3 sands as follows: 39,925#s of 20/40 sand in 389 bbls lightning 17 frac fluid. Treated @ avg press of 1790, w/avg rate of 24.7 bpm. ISIP 2025 psi. Calc flush: 5744 gal. Actual flush: 5783 gal.

02/23/05 5572'-5583' Frac CP1 sands as follows: 20,108#s of 20/40 sand in 256 bbls lightning 17 frac fluid. Treated @ avg press of 2040, w/avg rate of 24.7 bpm. ISIP 2050 psi. Calc flush: 5570 gal. Actual flush: 5586 gal.

02/23/05 5053'-5078' Frac A1 sands as follows: 75,275#s of 20/40 sand in 567 bbls lightning 17 frac fluid. Treated @ avg press of 1890, w/avg rate of 24.9 bpm. ISIP 2200 psi. Calc flush: 5051 gal. Actual flush: 5040 gal.

02/23/05 4881'-4930' Frac B2 and B.5 sands as follows: 34,521#s of 20/40 sand in 336 bbls lightning 17 frac fluid. Treated @ avg press of 1990, w/avg rate of 24.7 bpm. ISIP 2125 psi. Calc flush: 4879 gal. Actual flush: 4914 gal.

02/24/05 4672'-4722' Frac D2 and D1 sands as follows: 81,299#s of 20/40 sand in 587 bbls lightning 17 frac fluid. Treated @ avg press of 1990 w/avg rate of 24.7 bpm. ISIP 2400 psi. Calc flush: 4670 gal. Actual flush: 4578 gal.

3/3/2006 Well converted to an injection well.


3/27/2006 MIT Completed and submitted.

5/28/09 Marcit Squeeze

02/11/11 5 yr MIT

**PERFORATION RECORD**

| Date     | Interval    | Design | Holes    |
|----------|-------------|--------|----------|
| 02/16/05 | 5928'-5933' | 4 JSPP | 20 holes |
| 02/16/05 | 5856'-5860' | 4 JSPP | 16 holes |
| 02/16/05 | 5844'-5848' | 4 JSPP | 16 holes |
| 02/16/05 | 5781'-5784' | 4 JSPP | 12 holes |
| 02/16/05 | 5746'-5750' | 4 JSPP | 16 holes |
| 02/23/05 | 5572'-5583' | 4 JSPP | 44 holes |
| 02/23/05 | 5068'-5078' | 4 JSPP | 40 holes |
| 02/23/05 | 5053'-5060' | 4 JSPP | 28 holes |
| 02/23/05 | 4926'-4930' | 4 JSPP | 16 holes |
| 02/23/05 | 4881'-4892' | 4 JSPP | 44 holes |
| 02/23/05 | 4705'-4722' | 4 JSPP | 68 holes |
| 02/23/05 | 4672'-4676' | 4 JSPP | 16 holes |



Ashley Federal 11-13-9-15  
 1790' FSL & 2043' FWL  
 NE/SW Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32457; Lease #UTU-66184

**NEWFIELD**



**Schematic**

43-013-32456

**Well Name: Ashley 12-13-9-15**

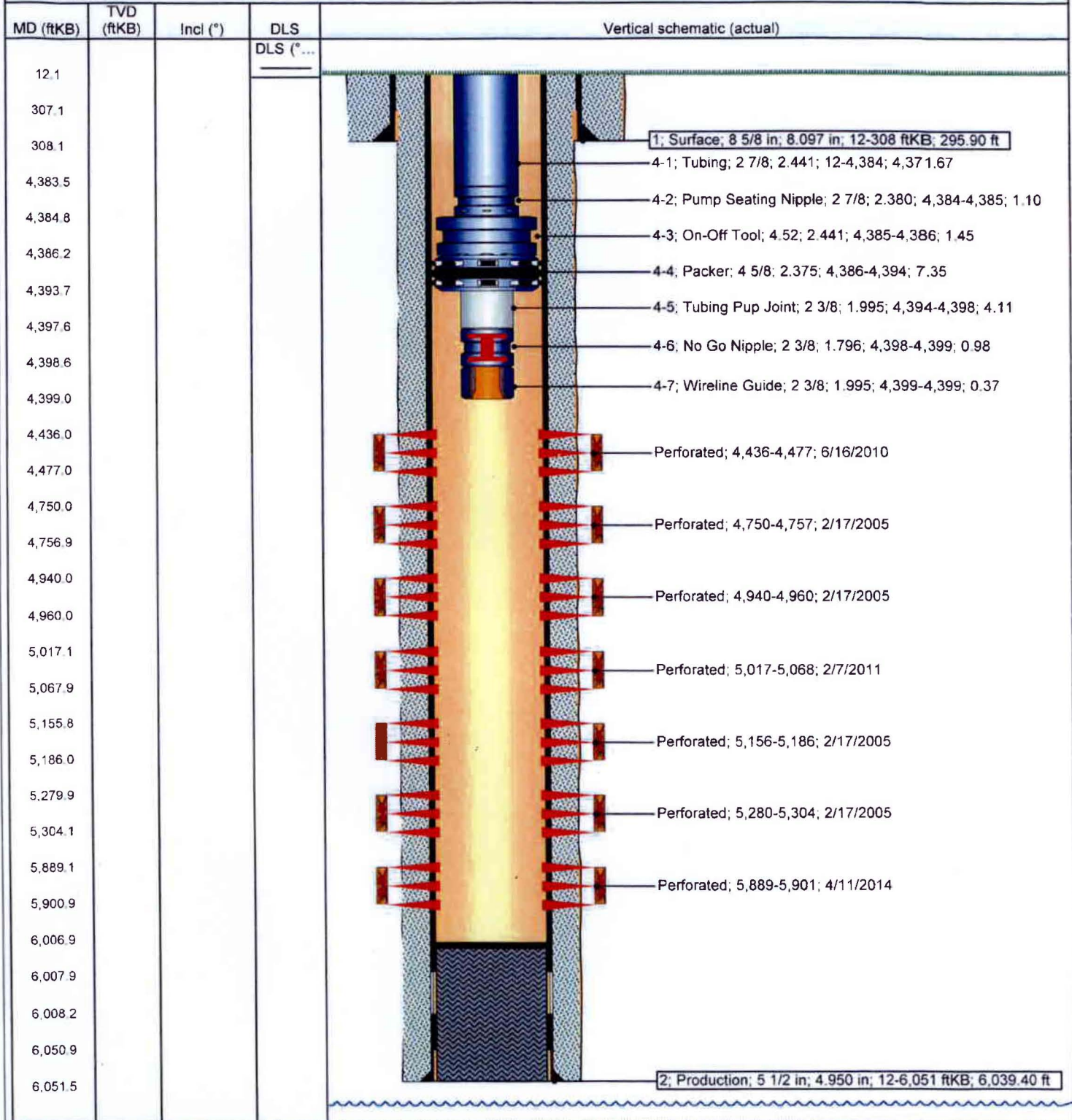
|  |                               |                                 |                                     |                                |                              |  |                    |
|--|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location<br>1984' FSL & 658' FWL (NW/SW) SECTION 13-T9S-R15E |                               | API UWI<br>43013324560000       | Well RC<br>500151111                | Lease                          | State/Province<br>Utah       | Field Name<br>GMBU CTB2                      | County<br>DUCHESNE |
| Spud Date<br>1/19/2005   | Rig Release Date<br>1/31/2005 | On Production Date<br>2/22/2005 | Original KB Elevation (ft)<br>6,208 | Ground Elevation (ft)<br>6,196 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB)<br>Original Hole - 6,007.0 |                    |

**Most Recent Job**

|                                       |                                |                           |                             |              |
|---------------------------------------|--------------------------------|---------------------------|-----------------------------|--------------|
| Job Category<br>Production / Workover | Primary Job Type<br>Conversion | Secondary Job Type<br>OAP | Job Start Date<br>4/11/2014 | Job End Date |
|---------------------------------------|--------------------------------|---------------------------|-----------------------------|--------------|

**TD: 6,051.4**

Vertical - Original Hole, 5/1/2014 10:02:36 AM



## Ashley Federal 13-13-9-15

Spud Date: 12/15/04  
 Put on Production: 02/16/05  
 GL: 6209' KB: 6221'

Initial Production: 22 BOPD,  
 92 MCFPD, 14 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.65')  
 DEPTH LANDED: 311.65'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sks Class "G" cement, est. 3 bbls cement to surface

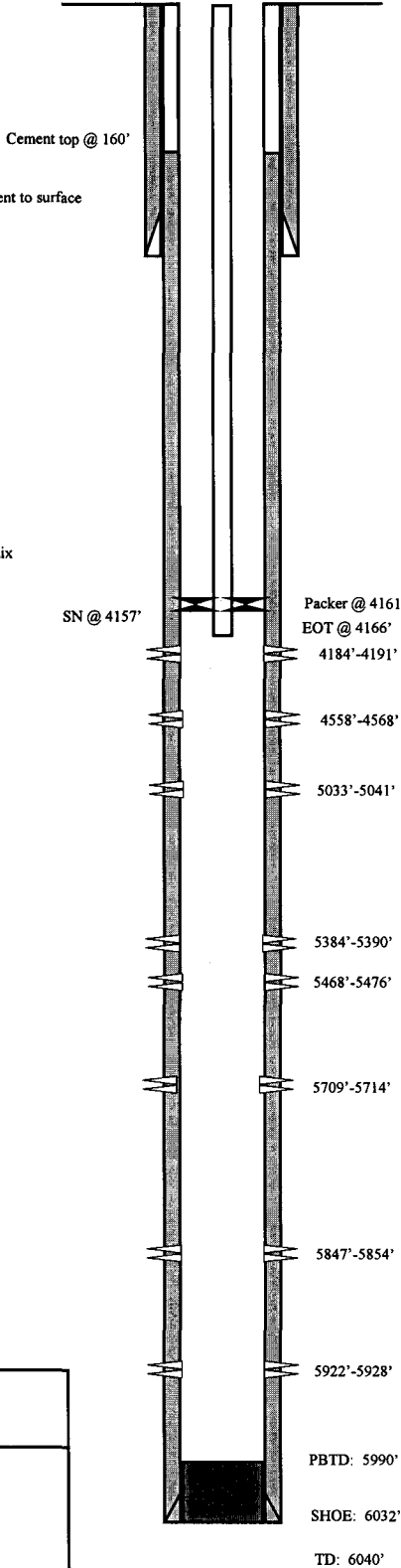
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6033.78')  
 DEPTH LANDED: 6031.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sks Prem Lite II, 400 sks 50-50 Poz mix  
 CEMENT TOP: 160'

**TUBING**

SIZE/GRADE/WT.: 2 7/8" - 6.5# - J-55  
 NO. OF JOINTS: 131 jts. (4145.18')  
 SN LANDED AT: 1.10' (4157.18') KB  
 NO. OF JOINTS: 2 jts. (63.63')  
 TOTAL STRING LENGTH: 4165.68' w/ 12' KB

Injection Wellbore Diagram



**FRAC JOB**

- 02/11/05 5709'-5928' **Frac Bsh, CP5 and CP3 sand as follows:**  
 25,175#'s of 20/40 sand in 301 bbls lightning 17 frac fluid. Treated w/avg press of 1946 psi, w/avg rate of 24.9 bpm. ISIP 2025 psi. Calc flush: 5707 gal. Actual flush: 5670 gal.
- 02/11/05 5384'-5476' **Frac LODC sand as follows:**  
 20,593#'s of 20/40 sand in 212 bbls lightning 17 frac fluid. Treated w/avg press of 3286 psi, w/ avg rate of 24.5 bpm. Screened out
- 02/11/05 5033'-5041' **Frac A1 sand as follows:**  
 35,788#'s of 20/40 sand in 343 bbls lightning 17 frac fluid. Treated w/avg press of 2141 psi, w/ avg rate of 24.8 bpm. ISIP 2280 psi. Calc flush: 5031 gal. Actual flush: 5040
- 02/11/05 4558'-4568' **Frac DS2 sand as follows:**  
 30,496#'s of 20/40 sand in 299 bbls lightning 17 frac fluid. Treated w/avg press of 2007 psi w/avg rate of 24.8 bpm. ISIP 2250 psi. Calc flush: 4557 gal. Actual flush: 4536 gal.
- 02/11/05 4184'-4191' **Frac GB6 sand as follows:**  
 23,380#'s of 20/40 sand in 238 bbls lightning 17 frac fluid. Treated @ w/avg press of 2114 psi, w/avg rate of 24.9 bpm. ISIP 2000 psi. Calc flush: 4182 gal. Actual flush: 4116 gal.

11/1/05  
 11/17/05

Well converted to Injection well.  
 MIT submitted.

**PERFORATION RECORD**

|          |             |        |          |
|----------|-------------|--------|----------|
| 02/04/05 | 5922'-5928' | 4 JSPF | 24 holes |
| 02/04/05 | 5847'-5854' | 4 JSPF | 28 holes |
| 02/04/05 | 5709'-5714' | 4 JSPF | 20 holes |
| 02/11/05 | 5468'-5476' | 4 JSPF | 32 holes |
| 02/11/05 | 5384'-5390' | 4 JSPF | 24 holes |
| 02/11/05 | 5033'-5041' | 4 JSPF | 32 holes |
| 02/11/05 | 4558'-4568' | 4 JSPF | 40 holes |
| 02/11/05 | 4184'-4191' | 4 JSPF | 28 holes |

**NEWFIELD**

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**Ashley Federal 13-13-9-15**

665' FSL & 656' FWL

SW/SW Section 13-T9S-R15E

Duchesne Co, Utah

API 43-013-32455; Lease UTU68548

## Ashley Federal 16-13-9-15

Spud Date: 6/23/05  
 Put on Production: 8/12/05  
 GL: 6127' KB: 6139'

Initial Production: 31 BOPD,  
 14 MCFD, 51 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.09')  
 DEPTH LANDED: 314.09' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 6 bbls cement to pit

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5977.86')  
 DEPTH LANDED: 5975.86' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 70'

#### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 180 jts (5634.7')  
 TUBING ANCHOR: 5646.7' KB  
 NO. OF JOINTS: 2 jts (62.2')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5711.7' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 TOTAL STRING LENGTH: EOT @ 5776'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rod, 1- 8' x 3/4" pony rod, 222- 3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

#### FRAC JOB

8/8/05 5596'-5688' **Frac CP2 and CP3 sands as follows:**  
 48,881#s of 20/40sand in 437 bbls lightning  
 17 frac fluid. Treated @ avg press of 1399,  
 w/avg rate of 24.6 bpm. ISIP 2000 psi. Calc  
 flush: 5594 gal. Actual flush: 5368 gal.

8/8/05 5462'-5506' **Frac LODC sands as follows:**  
 30,693#s of 20/40 sand in 330 bbls lightning  
 17 frac fluid. Treated @ avg press of 1837,  
 w/avg rate of 24.9 bpm. ISIP 2200 psi. Calc  
 flush: 5460 gal. Actual flush: 5212 gal.

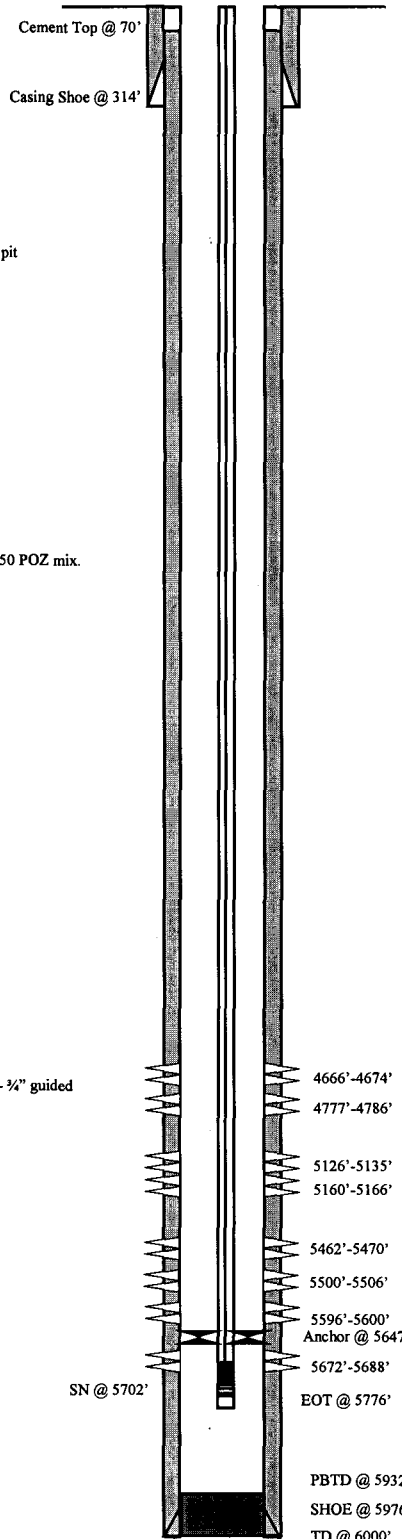
8/9/05 5126'-5166' **Frac LODC sands as follows:**  
 30,385#s of 20/40 sand in 317 bbls  
 lightning 17 frac fluid. Treated @ avg press  
 of 1882, w/avg rate of 24.9 bpm. ISIP 2750  
 psi. Calc flush: 5124 gal. Actual flush: 4885  
 gal.

8/9/05 4777'-4786' **Frac C sands as follows:**  
 39,987#s of 20/40 sand in 370 bbls  
 lightning 17 frac fluid. Treated @ avg press  
 of 1674, w/avg rate of 24.7 bpm. ISIP 1800  
 psi. Calc flush: 4775 gal. Actual flush: 4536  
 gal.

8/9/05 4666'-4674' **Frac D2 sands as follows:**  
 35,978#s of 20/40 sand in 349 bbls  
 lightning 17 frac fluid. Treated @ avg press  
 of 1831, w/avg rate of 24.6 bpm. ISIP 1950  
 psi. Calc flush: 4664 gal. Actual flush: 4536  
 gal.

6/30/08  
 1/28/09  
 1/10/10  
 6/17/2010  
 7/2/2010

Hole in Tubing. Rod & tubing detail updated.  
 Tubing Leak. Updated r & t detail.  
 Parted rods. Updated rod and tubing detail.  
 Parted rods. Updated rod and tubing detail.  
 Parted rods. Updated rod and tubing detail.



#### PERFORATION RECORD

| Date   | Interval    | ISIP   | Holes    |
|--------|-------------|--------|----------|
| 8/3/05 | 5672'-5688' | 4 JSPF | 64 holes |
| 8/3/05 | 5596'-5600' | 4 JSPF | 16 holes |
| 8/8/05 | 5500'-5506' | 4 JSPF | 24 holes |
| 8/8/05 | 5462'-5470' | 4 JSPF | 32 holes |
| 8/9/05 | 5160'-5166' | 4 JSPF | 24 holes |
| 8/9/05 | 5126'-5135' | 4 JSPF | 36 holes |
| 8/9/05 | 4777'-4786' | 4 JSPF | 36 holes |
| 8/9/05 | 4666'-4674' | 4 JSPF | 32 holes |

**NEWFIELD**



Ashley Federal 16-13-9-15  
 682' FSL & 523' FEL  
 SE/SE Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32668; Lease #UTU-68548

## Ashley Federal 15-13-9-15

Spud Date: 3-15-05  
 Put on Production: 5-16-05  
 GL: 6114' KB: 6126'

Initial Production: BOPD 52,  
 MCFD 47, BWPD 152

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.02')  
 DEPTH LANDED: 312.87' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

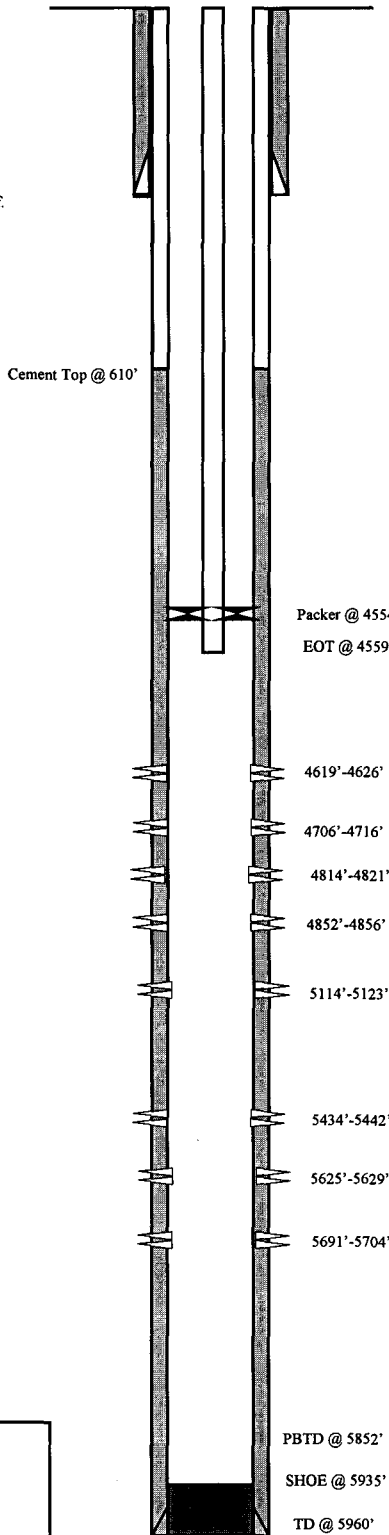
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 166 jts. (5921.78')  
 DEPTH LANDED: 5935.03' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 610'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 136 jts (4538.59')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4550.59' KB  
 TOTAL STRING LENGTH: EOT @ 4559.09' KB

Injection Wellbore  
 Diagram



### FRAC JOB

5-12-05 5625'-5704'' **Frac CP2 & CP3 sand as follows:**  
 44,713#s 20/40 sand in 441 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1843 psi  
 w/avg rate of 24.7 BPM. ISIP was 1925 psi.  
 Calc flush: 5623 gal. Actual flush: 5670 gal.

5-12-05 5434'-5442'' **Frac LODC sand as follows:**  
 30,309#s 20/40 sand in 327 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2120 psi  
 w/avg rate of 24.8 BPM. ISIP 2250 psi. Calc  
 flush: 5432 gal. Actual flush: 5418 gal.

5-12-05 5114'-5123'' **Frac LODC sand as follows:**  
 25,380#s 20/40 sand in 284 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2056 psi  
 w/avg rate of 24.9 BPM. ISIP 2260 psi. Calc  
 flush: 5112 gal. Actual flush: 5124 gal.

5-12-05 4814'-4856'' **Frac B1 & B.5 sand as follows:**  
 55,249#s 20/40 sand in 459 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2102 psi  
 w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc  
 flush: 4812 gal. Actual flush: 4830 gal.

5-12-05 4706'-4716'' **Frac D3 sand as follows:**  
 45,168#s 20/40 sand in 405 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1868 psi  
 w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc  
 flush: 4704 gal. Actual flush: 4788 gal

5-12-05 4619'-4626'' **Frac D1 sand as follows:**  
 30,160#s 20/40 sand in 306 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2332 psi  
 w/avg rate of 24.6 BPM. ISIP 2800 psi. Calc  
 flush: 4617 gal. Actual flush: 4536 gal.

09/09/05 Parted Rods. Detail tubing and rod Updated.  
 6/8/06 Well converted to an injection well.  
 6/30/06 MIT completed and submitted.

### PERFORATION RECORD

| Date    | Depth Range | Tool   | Holes    |
|---------|-------------|--------|----------|
| 5-4-05  | 5691-5704'  | 4 JSPF | 52 holes |
| 5-5-05  | 5625-5629'  | 4 JSPF | 16 holes |
| 5-12-05 | 5434-5442'  | 4 JSPF | 32 holes |
| 5-12-05 | 5114-5123'  | 4 JSPF | 36 holes |
| 5-12-05 | 4852-4856'  | 4 JSPF | 16 holes |
| 5-12-05 | 4814-4821'  | 4 JSPF | 28 holes |
| 5-12-05 | 4706-4716'  | 4 JSPF | 40 holes |
| 5-12-05 | 4619-4626'  | 4 JSPF | 28 holes |

**NEWFIELD**

Ashley Federal 15-13-9-15  
 570' FSL & 2050' FEL  
 SW/SE Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32454; Lease #UTU-68548

**NEWFIELD**

**Schematic**

43-013-32667

Well Name: Ashley 16-14-9-15

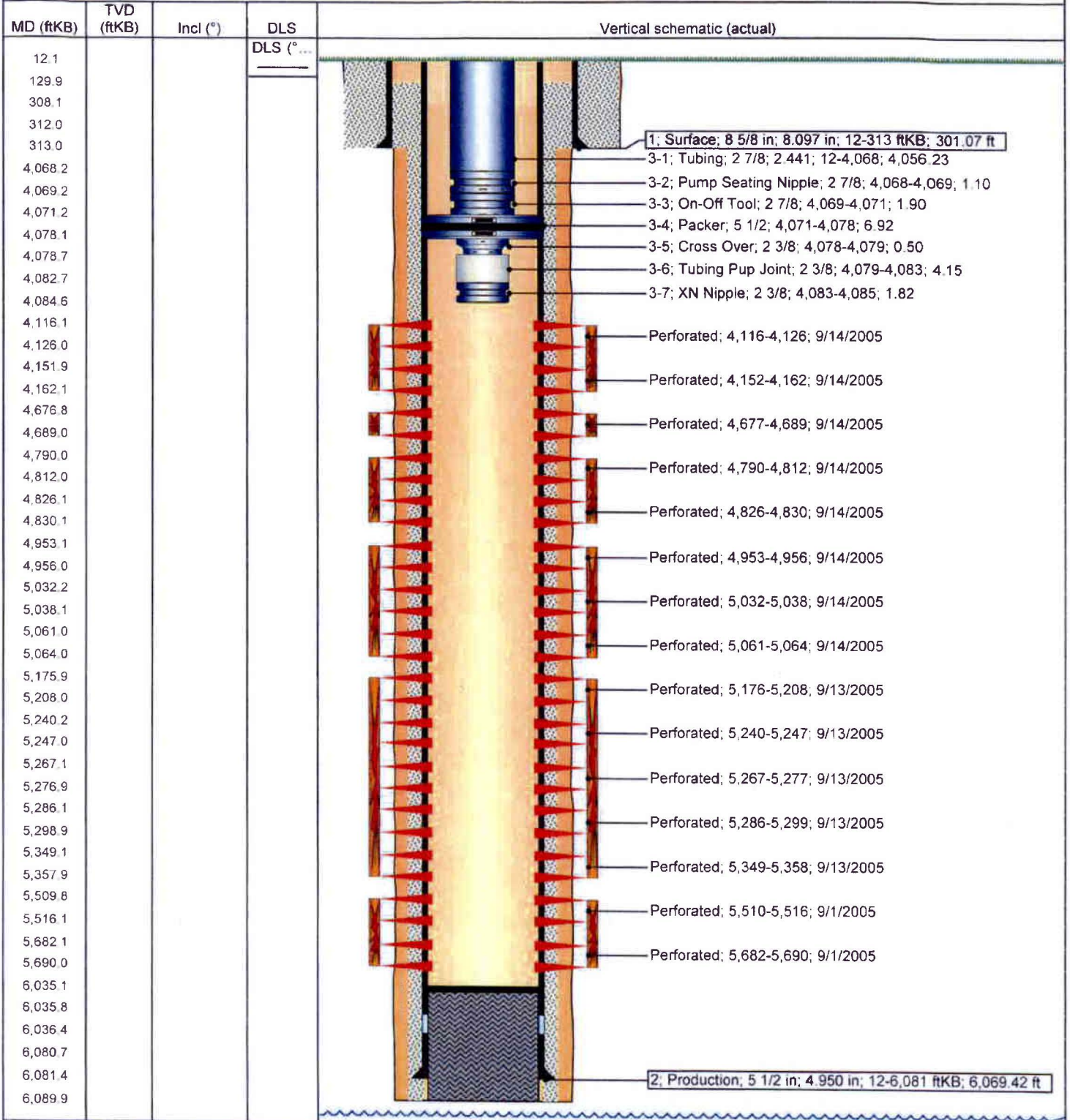
|   |                  |                                 |                                     |                                |                              |                         |                         |
|---|------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|-------------------------|-------------------------|
| Surface Legal Location<br>620' FSL & 645' FEL (SE SE) SECTION 14-T9S-R15E |                  | API/UWI<br>43013326670000       | Well RC<br>500151916                | Lease                          | State/Province<br>Utah       | Field Name<br>GMBU CTB2 | County<br>DUCHESNE      |
| Spud Date<br>6/23/2005  | Rig Release Date | On Production Date<br>9/22/2005 | Original KB Elevation (ft)<br>6,285 | Ground Elevation (ft)<br>6,273 | Total Depth All (TVD) (ftKB) | P8TD (All) (ftKB)       | Original Hole - 6,035.0 |

**Most Recent Job**

|                                       |                                |                             |                             |                           |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|
| Job Category<br>Production / Workover | Primary Job Type<br>Conversion | Secondary Job Type<br>Basic | Job Start Date<br>5/20/2014 | Job End Date<br>5/22/2014 |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|

**TD: 6,090.0**

Vertical - Original Hole, 5/27/2014 1:31:22 PM



**NEWFIELD**

**Schematic**

43-013-32645

Well Name: Ashley 2-24-9-15

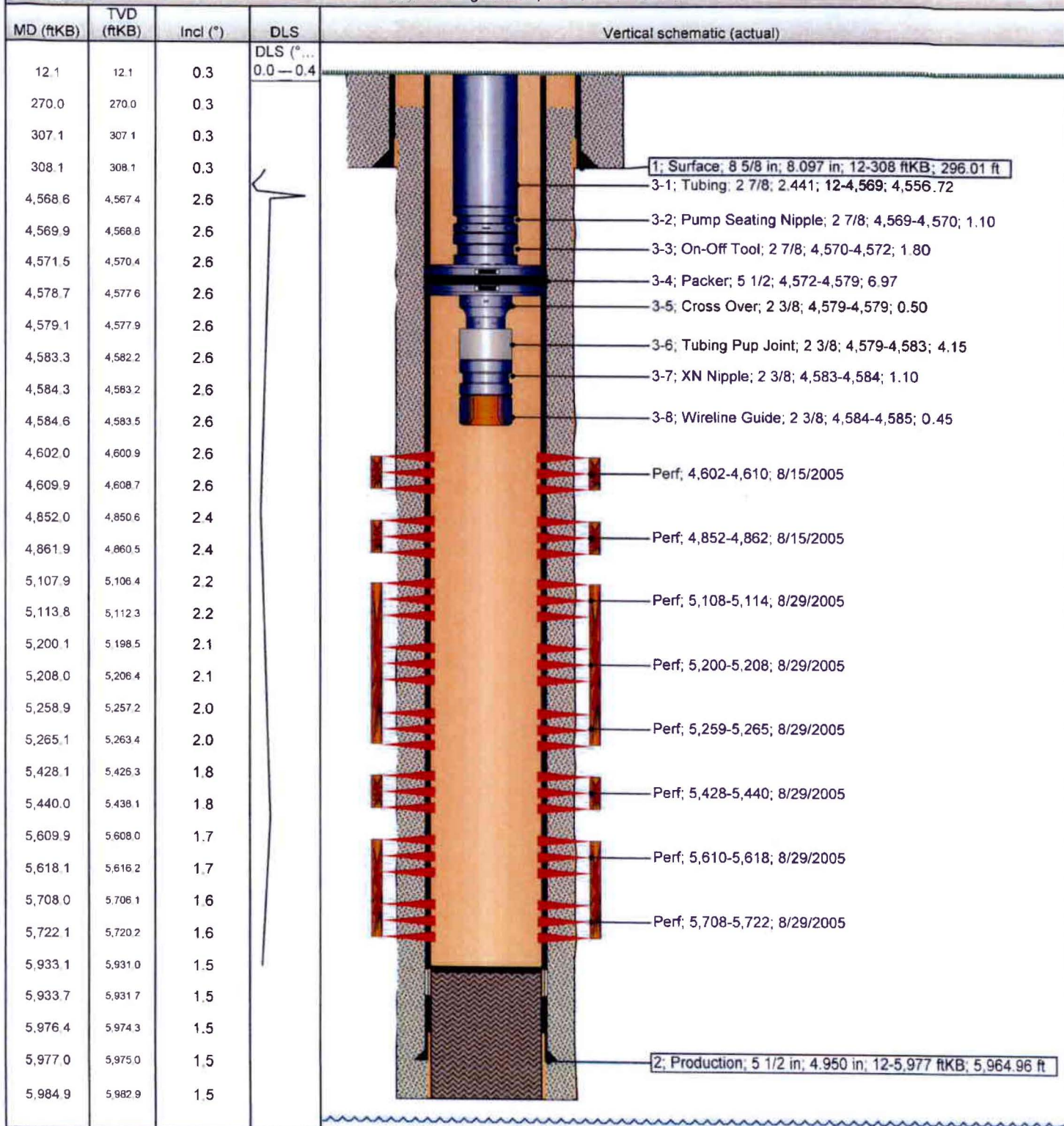
|                                     |                  |                                |                                     |                                |                              |  |                    |
|-------------------------------------|------------------|--------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location<br>24-9S-15E |                  | API/UWI<br>43013326450000      | Well RC<br>500151914                | Lease                          | State/Province<br>Utah       | Field Name<br>GMBU CTB3                      | County<br>DUCHESNE |
| Spud Date                           | Rig Release Date | On Production Date<br>9/2/2005 | Original KB Elevation (ft)<br>6,199 | Ground Elevation (ft)<br>6,187 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB)<br>Original Hole - 5,933.0 |                    |

**Most Recent Job**

|                                       |                                |                             |                             |                          |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------------------|
| Job Category<br>Production / Workover | Primary Job Type<br>Conversion | Secondary Job Type<br>Basic | Job Start Date<br>6/30/2014 | Job End Date<br>7/8/2014 |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------------------|

TD: 5,985.0

Vertical - Original Hole, 7/9/2014 2:57:32 PM



## Ashley Federal 4-24-9-15

Spud Date: 7/21/05  
 Put on Production: 9/8/05  
 GL: 6207' KB: 6219'

Initial Production: 48 BOPD,  
 33 MCFD, 43 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (297.38')  
 DEPTH LANDED: 307.38' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 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. (5952.65')  
 DEPTH LANDED: 5950.65' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 340'

### TUBING

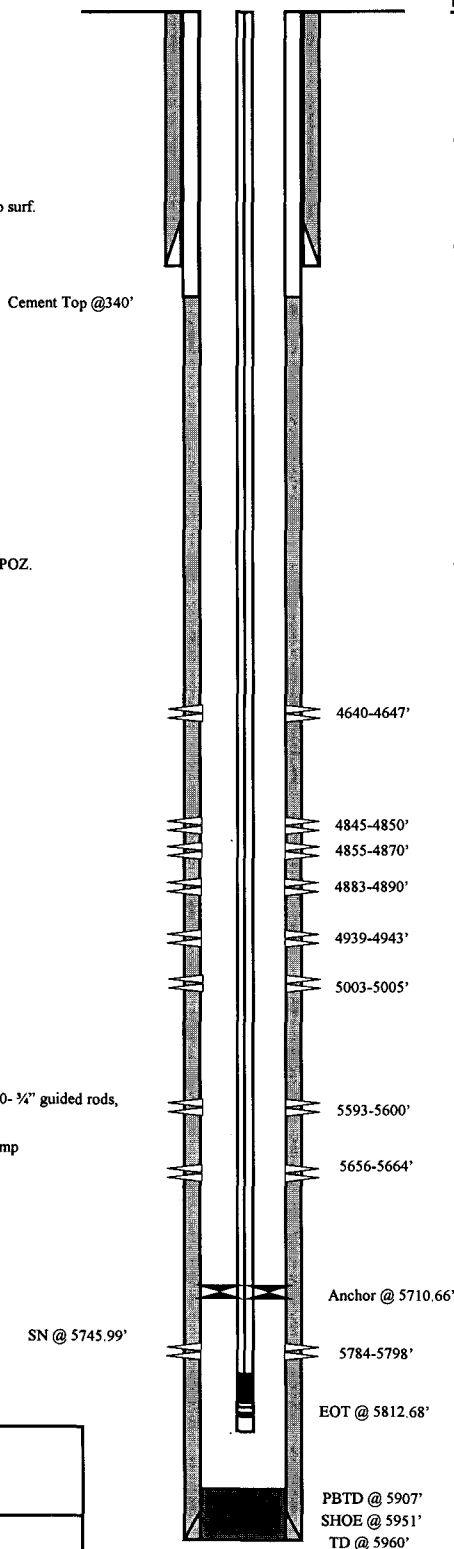
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 176 jts (5698.66')  
 TUBING ANCHOR: 5710.66'  
 NO. OF JOINTS: 1 jts (32.53')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5745.99'  
 NO. OF JOINTS: 2 jts (65.14')  
 TOTAL STRING LENGTH: EOT @ 5812.68'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 98- 3/4" guided rods, 115- 3/4" plain rods, 10- 3/4" guided rods,  
 6- 1 1/2" weight bars.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 17' RTBC Mcgyver pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM

### FRAC JOB

|          |            |   |
|----------|------------|---|
| 8/31/05  | 5784-5798' | <b>Frac CP5 sand as follows:</b><br>35,520#'s 20/40 sand in 360 bbls Lightning<br>17 frac fluid. Treated @ avg press of 1504 psi<br>w/avg rate of 23.4 BPM. ISIP 2400 Calc<br>Flush: 5782 gal. Actual Flush 5796 gals.                      |
| 9/1/05   | 5593-5664' | <b>Frac CP2&amp;3 sand as follows:</b><br>54,984#'s 20/40 sand in 483 bbls Lightning<br>17 frac fluid. Treated @ avg press of 1786 psi<br>w/avg rate of 23.2 BPM. ISIP 2400 Calc<br>flush: 5591 gal. Actual flush: 5586 gal.                |
| 9/1/05   | 4845-5005' | <b>Frac B1, A.5, &amp; A3 sand as follows:</b><br>150,088#'s 20/40 sand in 1004 bbls Lightning<br>17 frac fluid. Treated @ avg press of 1542 psi<br>w/avg rate of 23.5 BPM. ISIP 1930 psi. Calc<br>flush: 4843 gal. Actual flush: 4872 gal. |
| 9/1/05   | 4640-4647' | <b>Frac D2 sand as follows:</b><br>31,189#'s 20/40 sand in 304 bbls Lightning<br>17 frac fluid. Treated @ avg press of 1740 psi<br>w/avg rate of 23.4 BPM. ISIP 2150 psi. Calc<br>flush: 4638 gal. Actual flush: 4536 gal.                  |
| 09/30/05 |            | Stuck Pump (sanded in) Detailed rod and<br>tubing details.  |
| 10/1/07  |            | Pump change. Updated rod & tubing details.  |
| 9/29/09  |            | Tubing Leak. Updated rod & tubing details.  |



### PERFORATION RECORD

|         |            |        |          |
|---------|------------|--------|----------|
| 8/23/05 | 5784-5798' | 4 JSPF | 56 holes |
| 8/31/05 | 5656-5664' | 4 JSPF | 32 holes |
| 8/31/05 | 5593-5600' | 4 JSPF | 28 holes |
| 9/1/05  | 5003-5005' | 4 JSPF | 8 holes  |
| 9/1/05  | 4939-4943' | 4 JSPF | 16 holes |
| 9/1/05  | 4883-4890' | 4 JSPF | 28 holes |
| 9/1/05  | 4855-4870' | 4 JSPF | 60 holes |
| 9/1/05  | 4845-4850' | 4 JSPF | 20 holes |
| 9/1/05  | 4640-4647' | 4 JSPF | 28 holes |



Ashley Federal 4-24-9-15  
 768' FNL & 797' FWL  
 NW/NW Section 24-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32646; Lease #UTU-66185



# Ashley Federal 3-24-9-15

Spud Date: 3-09-05  
 Put on Production: 5-5-05  
 GL: 6195' KB: 6201'

Initial Production: BOPD 91,  
 MCFD 65, BWPD 142

Injection Wellbore  
 Diagram

**SURFACE CASING**

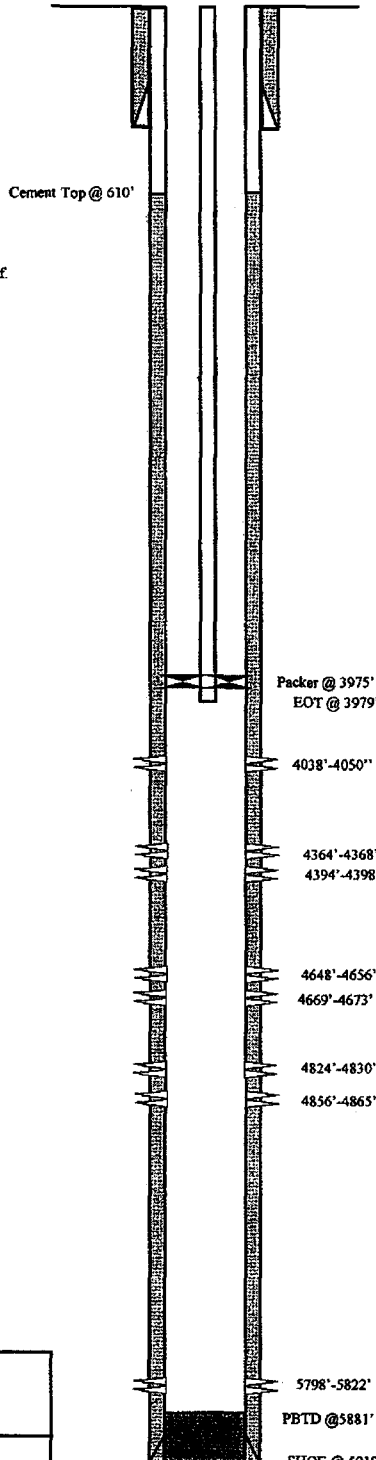
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.78')  
 DEPTH LANDED: 307.63' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 164 jts. (5919.97')  
 DEPTH LANDED: 5919.22' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 610'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / 1-55  
 NO. OF JOINTS: 123 jts (3959.02')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3971.02' KB  
 TOTAL STRING LENGTH: EOT @ 3979.22' KB



**FRAC JOB**

5-2-05 5798'-5822' **Frac CP5 sand as follows:**  
 79,389#s 20/40 sand in 620 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1239 psi  
 w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc  
 flush: 5797 gal. Actual flush: 5796 gal.

5-2-05 4824'-4865' **Frac B2 & B1 sand as follows:**  
 59,163#s 20/40 sand in 476 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1559 psi  
 w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc  
 flush: 4822 gal. Actual flush: 4872 gal.

5-2-05 4648'-4673' **Frac D2 & D3 sand as follows:**  
 44,546#s 20/40 sand in 399 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1880 psi  
 w/avg rate of 24.7 BPM. ISIP 2225 psi. Calc  
 flush: 4646 gal. Actual flush: 4662 gal.

5-2-05 4394'-4398' **Frac PB11 & 10 sand as follows:**  
 38935#s 20/40 sand in 354 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2232 psi  
 w/avg rate of 24.8 BPM. ISIP 2400 psi. Calc  
 flush: 4392 gal. Actual flush: 4368 gal.

5-2-05 4038'-4050' **Frac GB4 sand as follows:**  
 48636#s 20/40 sand in 399 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1698 psi  
 w/avg rate of 24.8 BPM. ISIP 2120 psi. Calc  
 flush: 4036 gal. Actual flush: 2120 gal

1/5/07 **Well converted to an Injection well. MIT  
 completed and submitted.**

**PERFORATION RECORD**

|         |            |        |          |
|---------|------------|--------|----------|
| 4-26-05 | 5798-5822' | 4 JSPF | 96 holes |
| 5-2-05  | 4856-4865' | 4 JSPF | 36 holes |
| 5-2-05  | 4824-4830' | 4 JSPF | 24 holes |
| 5-2-05  | 4669-4673' | 4 JSPF | 16 holes |
| 5-2-05  | 4648-4656' | 4 JSPF | 32 holes |
| 5-2-05  | 4394-4398' | 4 JSPF | 16 holes |
| 5-2-05  | 4364-4368' | 4 JSPF | 16 holes |
| 5-2-05  | 4038-4050' | 4 JSPF | 48 holes |

**NEWFIELD**

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Ashley Federal 3-24-9-15  
 660' FNL & 1980' FWL  
 NE/NW Section 24-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32483; Lease #UTU-66185

# Ashley Federal 6-24-9-15

Spud Date: 07/03/06  
Put on Production: 08/09/06

K.B.: 6253, G.L.: 6241

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (310.14')  
DEPTH LANDED: 321.99' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

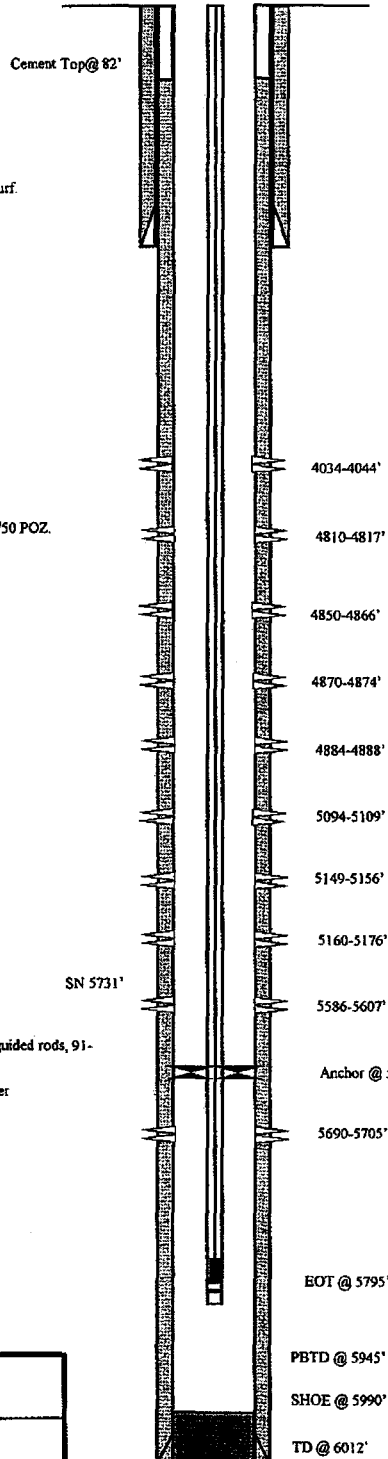
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5976.93')  
DEPTH LANDED: 5990.18' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP: 82'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 179 jts (5663.51')  
TUBING ANCHOR: 5666' KB  
NO. OF JOINTS: 2 jts (63.40')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5731' KB  
NO. OF JOINTS: 2 jts (63.40')  
TOTAL STRING LENGTH: EOT @ 5795' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-8, 1-6', 1-2', x 3/4" pony rods, 100-3/4" guided rods, 91-3/4" sucker rods, 32-3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 13' x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM:



### FRAC JOB

|          |            |   |
|----------|------------|---|
| 08/03/06 | 5690-5705' | Frac CP4 sands as follows:<br>45123# 20/40 sand 428 bbls Lightning 17 frac fluid. Treated @ avg press of 1888 psi w/avg rate of 25 BPM. ISIP 1825 psi. Calc flush: 5703 gal. Actual flush: 5208 gal.          |
| 08/03/06 | 5586-5607' | Frac CP2 sands as follows:<br>55280# 20/40 sand in 468 bbls Lightning 17 frac fluid. Treated @ avg press of 1869 psi w/avg rate of 25 BPM. ISIP 1930 psi. Calc flush: 5605 gal. Actual flush: 5040 gal.       |
| 08/03/06 | 5094-5176' | Frac LODC sands as follows:<br>109900# 20/40 sand in 779 bbls Lightning 17 frac fluid. Treated @ avg press of 2124 psi w/avg rate of 25 BPM. ISIP 2350 psi. Calc flush: 5174 gal. Actual flush: 4578 gal.     |
| 08/03/06 | 4810-4888' | Frac B1, B2 sands as follows:<br>135567# 20/40 sand in 929 bbls Lightning 17 frac fluid. Treated @ avg press of 1605 psi w/avg rate of 25.3 BPM. ISIP 1720 psi. Calc flush: 4886 gal. Actual flush: 4284 gal. |
| 08/04/06 | 4034-4044' | Frac GB4 sands as follows:<br>52617# 20/40 sand in 442 bbls Lightning 17 frac fluid. Treated @ avg press of 1691 psi w/avg rate of 25.1 BPM. ISIP 2120 psi. Calc flush: 4042 gal. Actual flush: 3906 gal.     |
| 04/04/07 |            | Pump Change: Rod & tubing detail updated.   |
| 5-15-07  |            | Pump Change: Rod & tubing detail updated.   |
| 04-08-10 |            | Parted Rods: Rod & tubing detail updated.   |

### PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 07/27/06 | 5690-5705' | 4 JSPF | 60 holes |
| 08/03/06 | 5586-5607' | 4 JSPF | 84 holes |
| 08/03/06 | 5160-5176' | 4 JSPF | 64 holes |
| 08/03/06 | 5149-5156' | 4 JSPF | 28 holes |
| 08/03/06 | 5094-5109' | 4 JSPF | 40 holes |
| 08/03/06 | 4884-4888' | 4 JSPF | 16 holes |
| 08/03/06 | 4870-4874' | 4 JSPF | 16 holes |
| 08/03/06 | 4850-4866' | 4 JSPF | 64 holes |
| 08/03/06 | 4810-4817' | 4 JSPF | 28 holes |
| 08/03/06 | 4034-4044' | 4 JSPF | 40 holes |

**NEWFIELD**

**Ashley Federal 6-24-9-15**

1913' FNL & 2076' FWL  
SE/NW Section 24-T9S-R15E  
Duchesne Co, Utah  
API #43-013-32874; Lease #UTU-02458

Spud Date: 02/03/05  
 Put on Production: 03/21/05  
 GL: 6157' KB: 6169'

### Ashley 6-13-9-15

Initial Production: 22 BOPD,  
 129 MCFD, 10 BWPD

#### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.17')  
 DEPTH LANDED: 315' 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: 159 jts. (6114.88')  
 DEPTH LANDED: 6112.88' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 304 sxs Prem. Lite II mixed & 465 sxs 50/50 POZ.  
 CEMENT TOP AT: 315'

#### TUBING

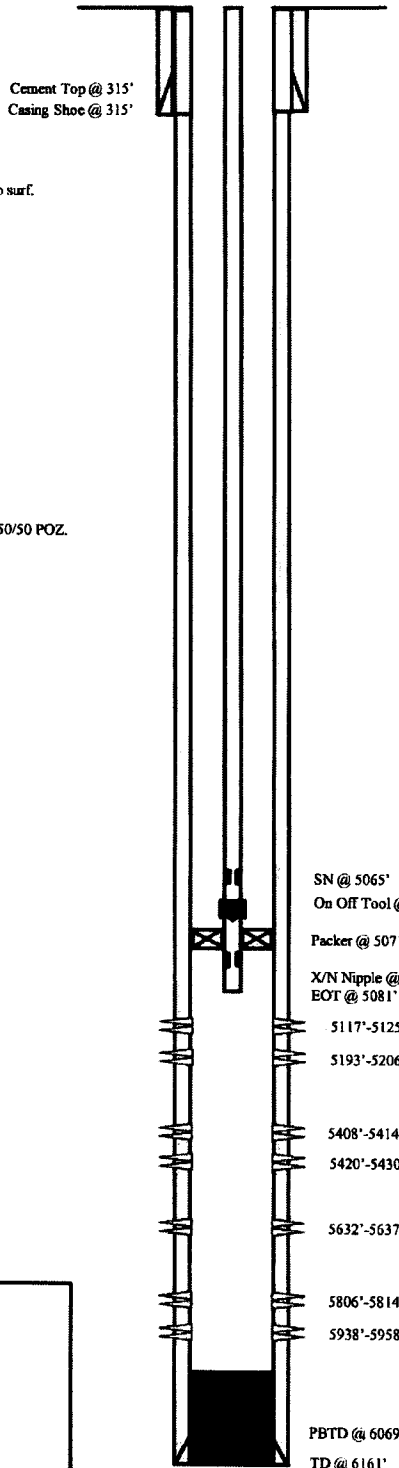
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 152 jts (5053')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5065' KB  
 ON/OFF TOOL AT: 5066.1'  
 ARROW #1 PACKER CE AT: 5071.2'  
 XO 2-3/8 x 2-7/8 J-55 AT: 5074.9'  
 TBG PUP 2-3/8 J-55 AT: 5075.4'  
 X/N NIPPLE AT: 5079.5'  
 TOTAL STRING LENGTH: EOT @ 5081.12'

#### FRAC JOB

|          |             |   |
|----------|-------------|---|
| 03/14/05 | 5938'-5958' | <b>Frac CPS sands as follows:</b><br>60,121# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 2021 psi w/avg rate of 25.1 BPM. ISIP 2500 psi. Calc flush: 5955 gal. Actual flush: 5964 gal.         |
| 3/14/05  | 5806'-5814' | <b>Frac CP3 sands as follows:</b><br>29,892# 20/40 sand in 326 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 25.2 BPM. ISIP 2500 psi. Calc flush: 5814 gal. Actual flush: 5838 gal.         |
| 03/14/05 | 5632'-5637' | <b>Frac CP1 sands as follows:</b><br>20,165# 20/40 sand in 264 bbls Lightning 17 frac fluid. Treated @ avg press of 2280 psi w/avg rate of 25.1 BPM. ISIP 2500 psi. Calc flush: 5634 gal. Actual flush: 5670 gal.         |
| 3/15/05  | 5408'-5430' | <b>Frac LODC sands as follows:</b><br>74,581# 20/40 sand in 588 bbls Lightning 17 frac fluid. Treated @ avg press of 2548 psi w/avg rate of 25.1 BPM. ISIP 2240 psi. Calc flush: 5411 gal. Actual flush: 5460 gal.        |
| 3/15/05  | 5117'-5206' | <b>Frac A3 &amp; A1 sands as follows:</b><br>65,622# 20/40 sand in 506 bbls Lightning 17 frac fluid. Treated @ avg press of 2340 psi w/avg rate of 25.2 BPM. ISIP 2240 psi. Calc flush: 5204 gal. Actual flush: 5040 gal. |
| 08/04/06 |             | <b>Pump Change.</b> Update rod and tubing details.  |
| 3/10/09  |             | <b>Pump Change.</b> Updated r & t details.  |
| 9/21/09  |             | <b>Pump Change.</b> Updated rod & tubing details.   |
| 03/13/10 |             | <b>Pump Change.</b> Updated rod & tubing details.   |
| 11/19/13 |             | <b>Convert to Injection Well</b>  |
| 11/21/13 |             | <b>Conversion MIT Finalized - update tbg detail</b>   |

#### PERFORATION RECORD

| Date    | Depth       | Tool   | Holes    |
|---------|-------------|--------|----------|
| 3/08/05 | 5938'-5958' | 4 JSPF | 80 holes |
| 3/14/05 | 5806'-5814' | 4 JSPF | 32 holes |
| 3/14/05 | 5632'-5637' | 4 JSPF | 20 holes |
| 3/14/05 | 5420'-5430' | 4 JSPF | 40 holes |
| 3/14/05 | 5408'-5414' | 4 JSPF | 24 holes |
| 3/15/05 | 5193'-5206' | 4 JSPF | 52 holes |
| 3/15/05 | 5117'-5125' | 4 JSPF | 32 holes |



**NEWFIELD**

**Ashley 6-13-9-15**  
 1992' FNL & 2268' FWL  
 SENW Section 13-T9S-R15E  
 Duchesne Co. Utah  
 API #43-013-32464; Lease #UTU-66184

43-013-52363

Well Name: GMBU R-13-9-15

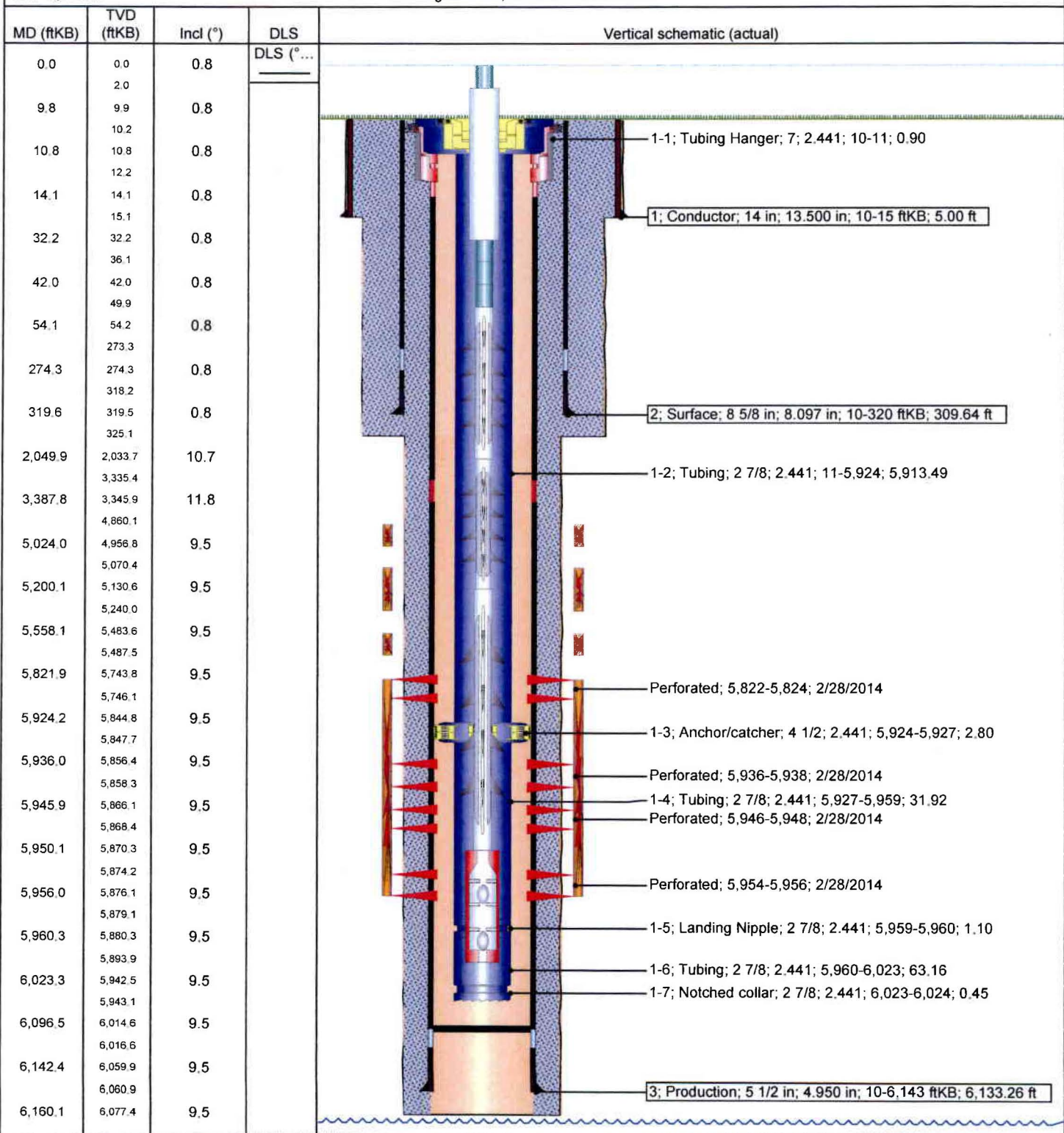
|  |                               |                                 |                                     |                                |   |                         |  |
|--|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|---|-------------------------|--|
| Surface Legal Location<br>NESW 1773 FSL 2080 FWL Sec 13 T9S R15E Mer SLB |                               | API/WJ<br>43013523630000        | Well RC<br>500346530                | Lease<br>UTU66184              | State/Province<br>Utah                                  | Field Name<br>GMBU CTB3 | County<br>Duchesne                           |
| Spud Date<br>1/28/2014   | Rig Release Date<br>2/14/2014 | On Production Date<br>3/11/2014 | Original KB Elevation (ft)<br>6,170 | Ground Elevation (ft)<br>6,160 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,096.6 |                         | PBTD (All) (ftKB)<br>Original Hole - 6,096.6 |

Most Recent Job

|                                    |  |                           |                             |                           |
|------------------------------------|--|---------------------------|-----------------------------|---------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>2/28/2014 | Job End Date<br>3/11/2014 |
|------------------------------------|--|---------------------------|-----------------------------|---------------------------|

TD: 6,160.0

Original Hole, 5/15/2014 9:05:34 AM



43-013-52364

Well Name: GMBU M-13-9-15

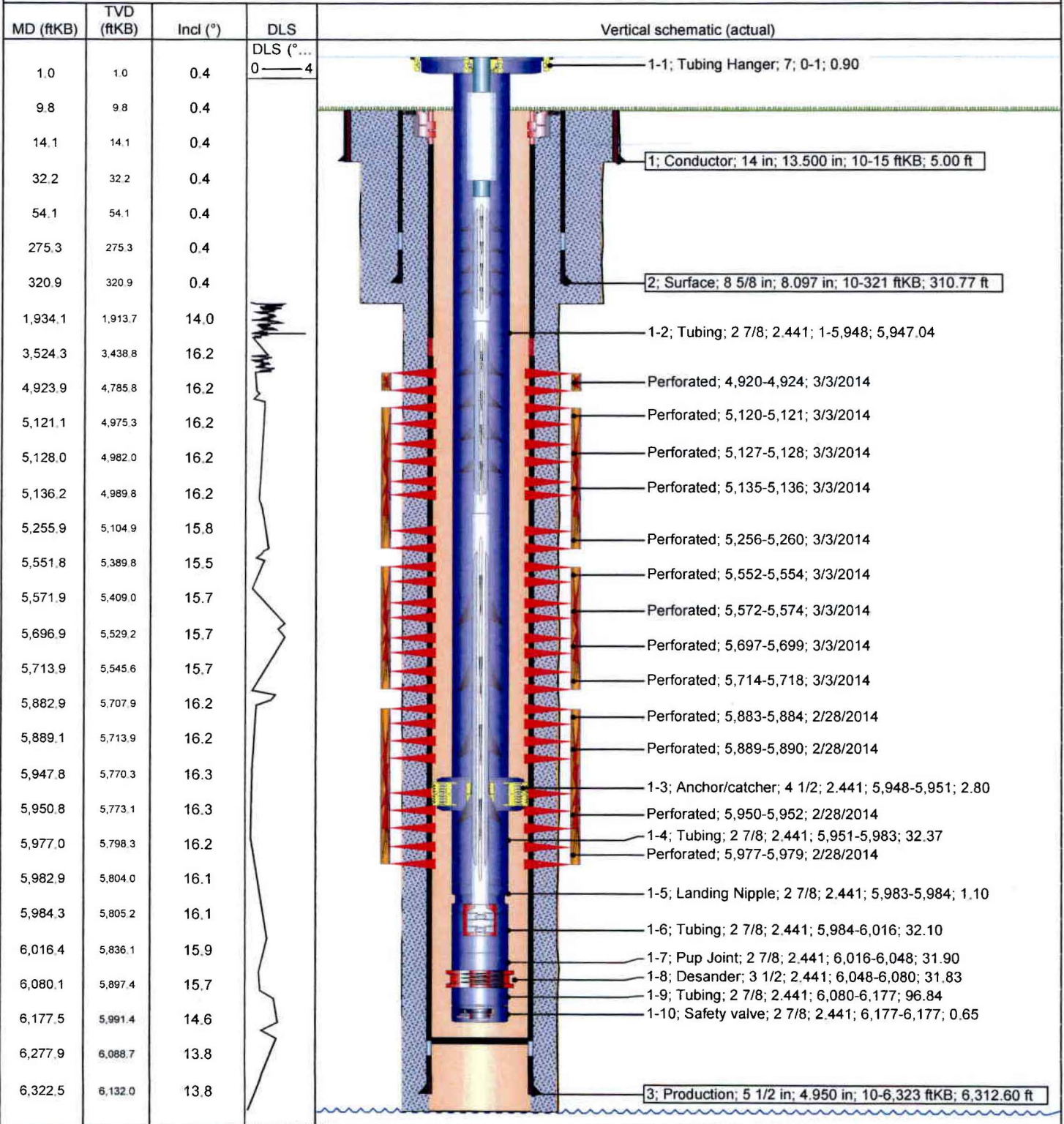
|  |                               |                                |                                     |                                |   |  |                        |                         |                    |
|--|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---|--|------------------------|-------------------------|--------------------|
| Surface Legal Location<br>NESW 1784 FSL 2061 FWL Sec 13 T9S R15E Mer SLB |                               |                                |                                     | API/UWI<br>43013523640000      | Well RC<br>500346526                                    | Lease<br>UTU66184                            | State/Province<br>Utah | Field Name<br>GMBU CTB2 | County<br>Duchesne |
| Spud Date<br>2/8/2014  | Rig Release Date<br>2/11/2014 | On Production Date<br>3/6/2014 | Original KB Elevation (ft)<br>6,170 | Ground Elevation (ft)<br>6,160 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,136.4 | PBTB (All) (ftKB)<br>Original Hole - 6,276.0 |                        |                         |                    |

Most Recent Job

|                                    |  |                           |                             |                          |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>2/28/2014 | Job End Date<br>3/6/2014 |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|

TD: 6,327.0

Slant - Original Hole, 5/15/2014 9:05:07 AM



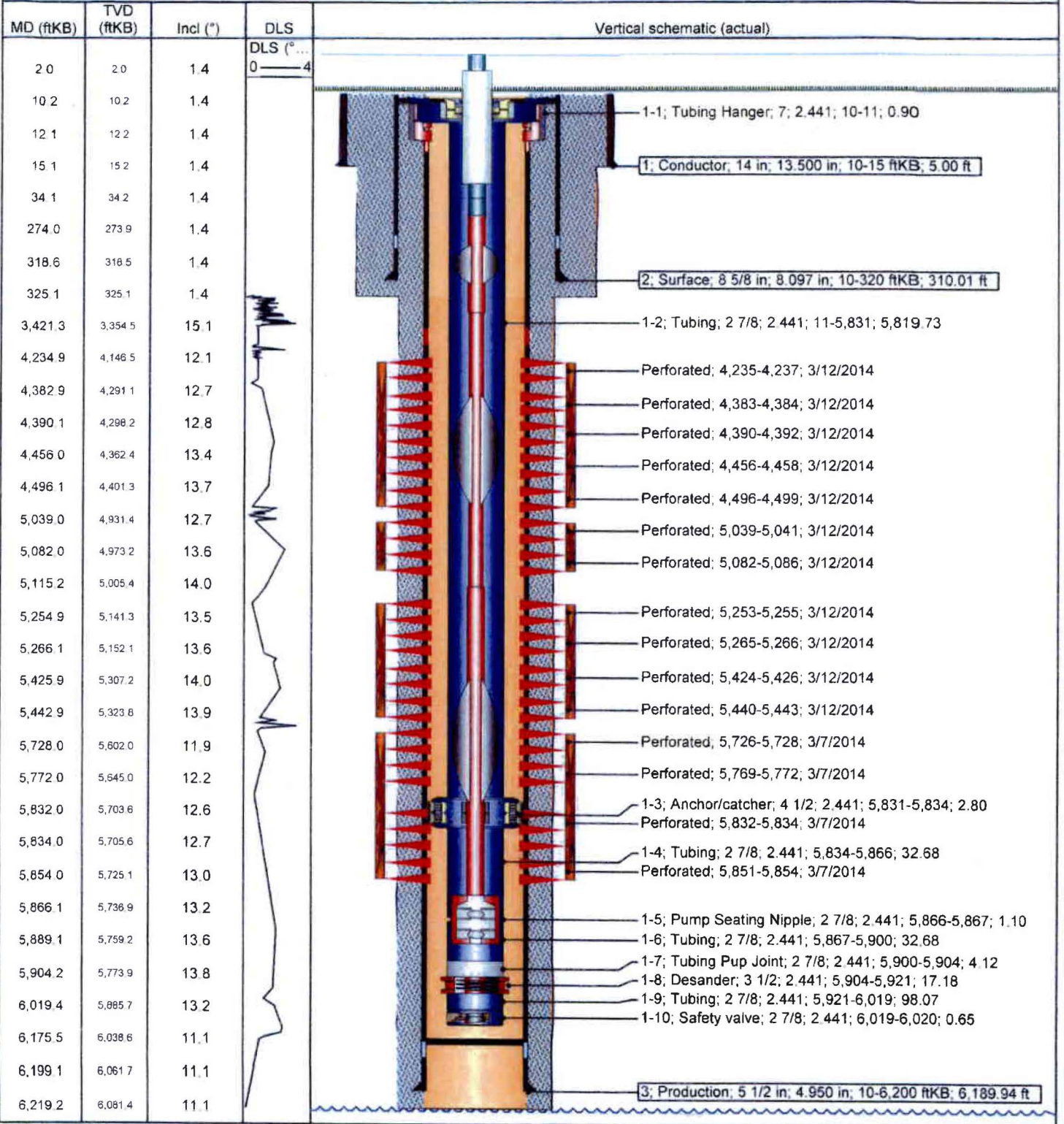
43-013-52365

**Well Name: GMBU S-13-9-15**

|  |                               |                                 |                                     |                                |   |   |                    |
|--|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|---|---|--------------------|
| Surface Legal Location<br>NWSE 1933 FSL 1921 FEL Sec 13 T9S R15E |                               | API/UWI<br>43013523650000       | Well RC<br>500346536                | Lease<br>UTU66184              | State/Province<br>Utah                                  | Field Name<br>GMBU CTB3                     | County<br>Duchesne |
| Spud Date<br>1/30/2014   | Rig Release Date<br>2/22/2014 | On Production Date<br>3/20/2014 | Original KB Elevation (ft)<br>6,127 | Ground Elevation (ft)<br>6,117 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,081.2 | PBD (All) (ftKB)<br>Original Hole - 6,175.4 |                    |

|                                    |  |                           |                            |                           |
|------------------------------------|--|---------------------------|----------------------------|---------------------------|
| <b>Most Recent Job</b>             |  |                           |                            |                           |
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>3/7/2014 | Job End Date<br>3/20/2014 |

**TD: 6,219.0** Slant - Original Hole, 8/18/2014 8:39:24 AM



**Well Name: GMBU L-13-9-15**

*43-013-52366*

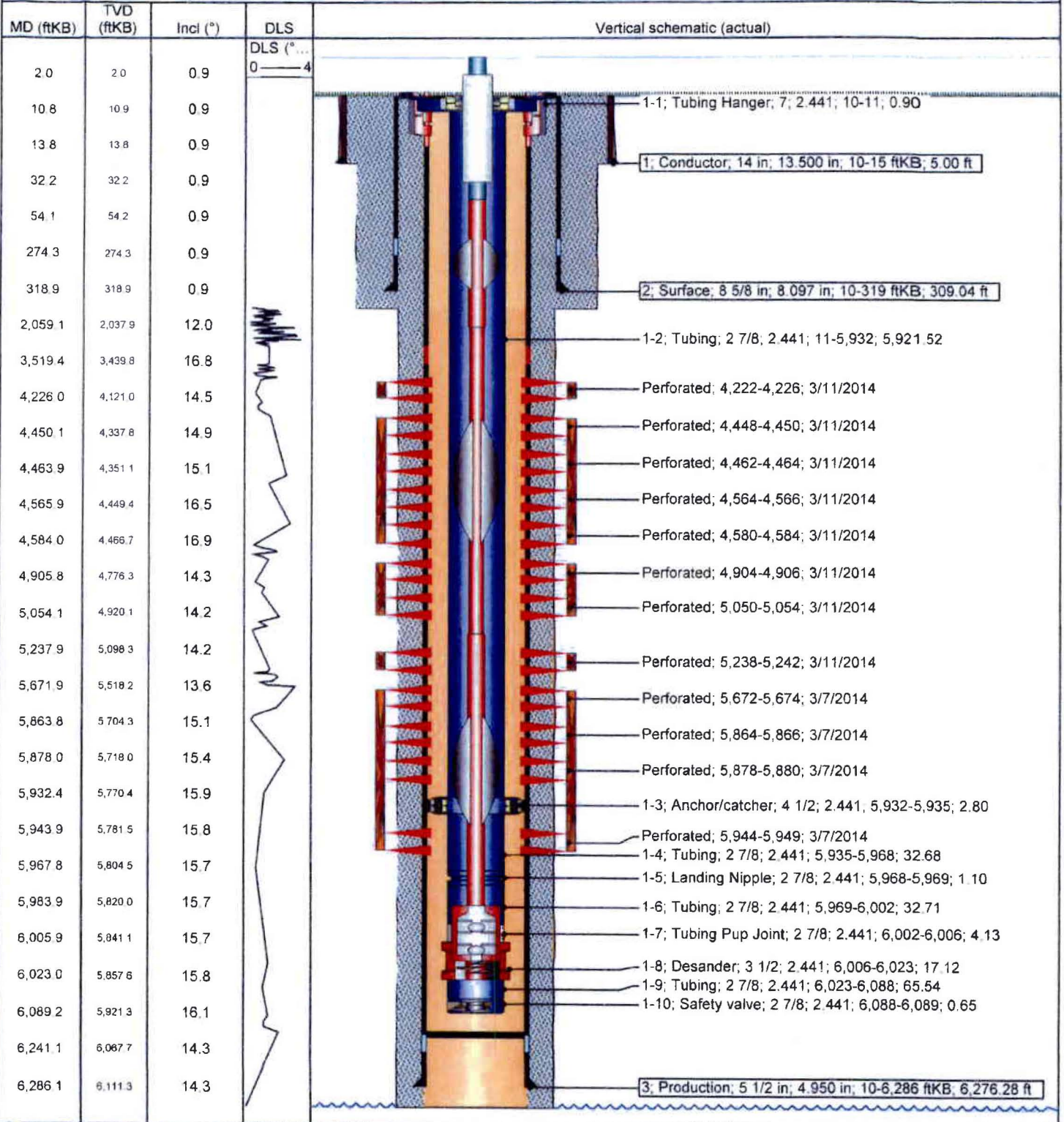
|  |                               |                           |                                     |                                |   |  |                    |
|--|-------------------------------|---------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location<br>NWSE 1936 FSL 1942 FEL Sec 13 T9S R15E Mer SLB |                               | APU/UWI<br>43013523660000 | Well RC<br>500348435                | Lease<br>UTU66184              | State/Province<br>Utah                                  | Field Name<br>GMBU CTB2                      | County<br>Duchesne |
| Spud Date<br>1/29/2014   | Rig Release Date<br>2/18/2014 | On Production Date        | Original KB Elevation (ft)<br>6,127 | Ground Elevation (ft)<br>6,117 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,119.9 | PBTD (All) (ftKB)<br>Original Hole - 6,239.5 |                    |

**Most Recent Job**

|                                    |  |                           |                            |                           |
|------------------------------------|--|---------------------------|----------------------------|---------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>3/7/2014 | Job End Date<br>3/17/2014 |
|------------------------------------|--|---------------------------|----------------------------|---------------------------|

**TD: 6,295.0**

Slant - Original Hole, 8/18/2014 8:39:56 AM



43-013-52386

Well Name: GMBU H-24-9-15

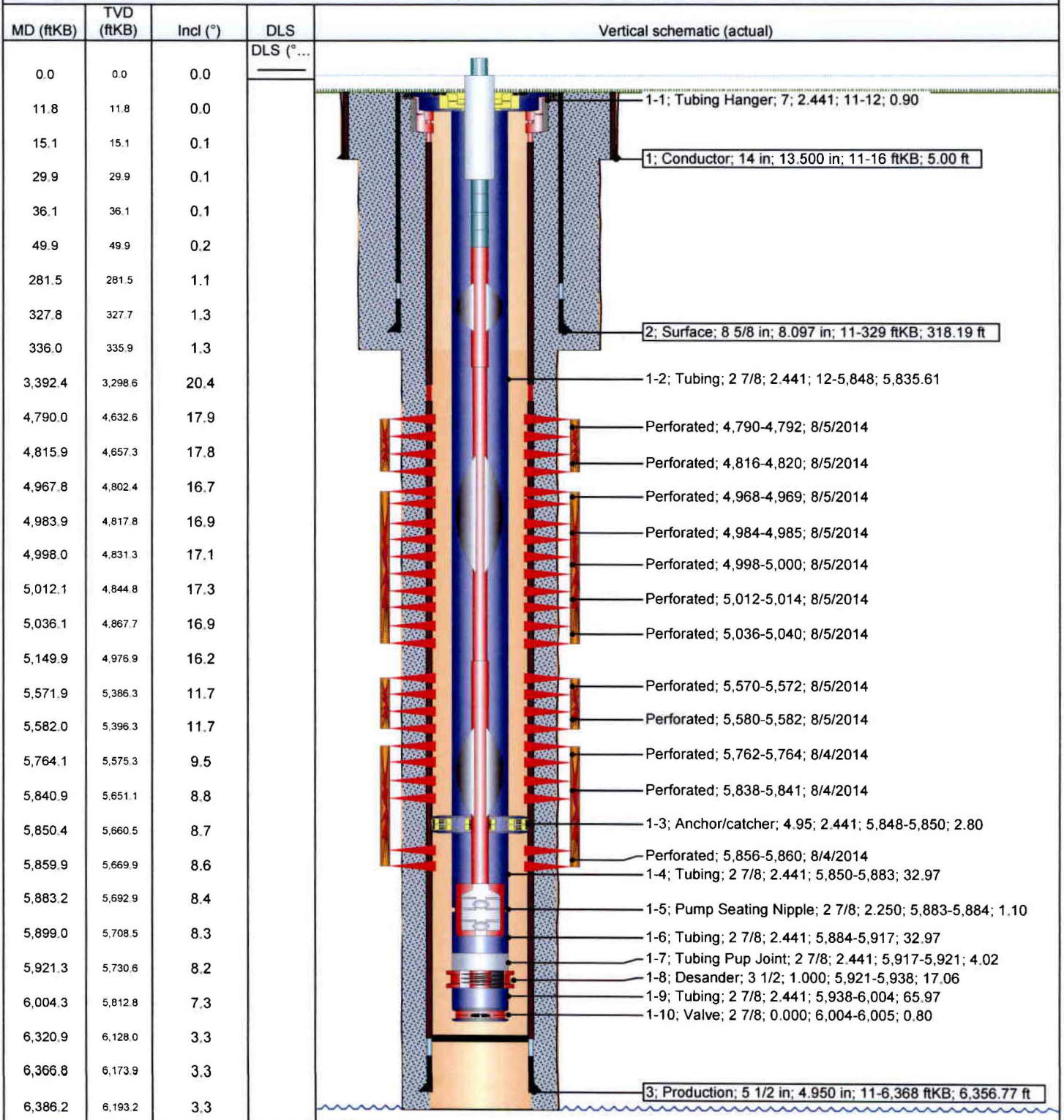
|   |                               |                    |                                     |                                |   |  |                         |                    |
|---|-------------------------------|--------------------|-------------------------------------|--------------------------------|---|--|-------------------------|--------------------|
| Surface Legal Location<br>NWNE 677 FNL 1759 FEL Sec 24 T9S R15E |                               |                    | API/UWI<br>43013523860000           | Well RC<br>500366837           | Lease<br>UTU66185                                       | State/Province<br>Utah                       | Field Name<br>GMBU CTB3 | County<br>Duchesne |
| Spud Date<br>7/3/2014   | Rig Release Date<br>7/17/2014 | On Production Date | Original KB Elevation (ft)<br>6,199 | Ground Elevation (ft)<br>6,188 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,193.1 | PBTD (All) (ftKB)<br>Original Hole - 6,320.9 |                         |                    |

Most Recent Job

|                                    |  |                           |                            |                          |
|------------------------------------|--|---------------------------|----------------------------|--------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>8/4/2014 | Job End Date<br>8/8/2014 |
|------------------------------------|--|---------------------------|----------------------------|--------------------------|

TD: 6,386.0

Slant - Original Hole, 8/22/2014 9:31:28 AM





43-013-52387

Well Name: GMBU I-24-9-15

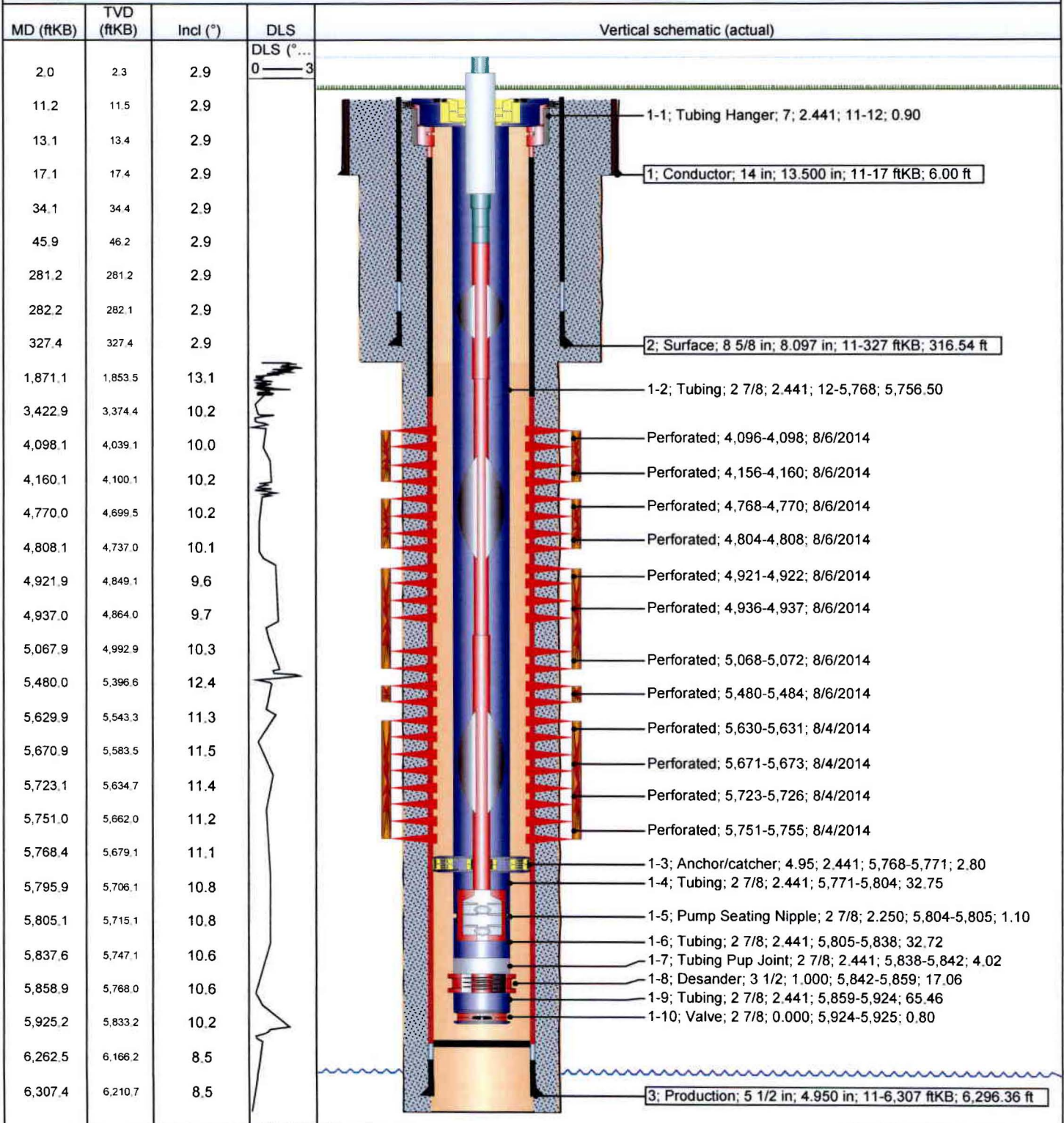
|   |                               |                           |                                     |                                |   |  |                    |
|---|-------------------------------|---------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location<br>NWNE 688 FNL 1741 FEL Sec 24 T9S R15E |                               | API/UWI<br>43013523870000 | Well RC<br>500366841                | Lease<br>UTU66185              | State/Province<br>Utah                                  | Field Name<br>GMBU CTB3                      | County<br>Duchesne |
| Spud Date<br>7/4/2014   | Rig Release Date<br>7/20/2014 | On Production Date        | Original KB Elevation (ft)<br>6,199 | Ground Elevation (ft)<br>6,188 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,225.1 | PBTD (All) (ftKB)<br>Original Hole - 6,260.8 |                    |

Most Recent Job

|                                    |  |                           |                            |                           |
|------------------------------------|--|---------------------------|----------------------------|---------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>8/4/2014 | Job End Date<br>8/12/2014 |
|------------------------------------|--|---------------------------|----------------------------|---------------------------|

TD: 6,322.0

Slant - Original Hole, 8/22/2014 9:36:53 AM



Well Name: **GMBU B-24-9-15**

43-013-52469

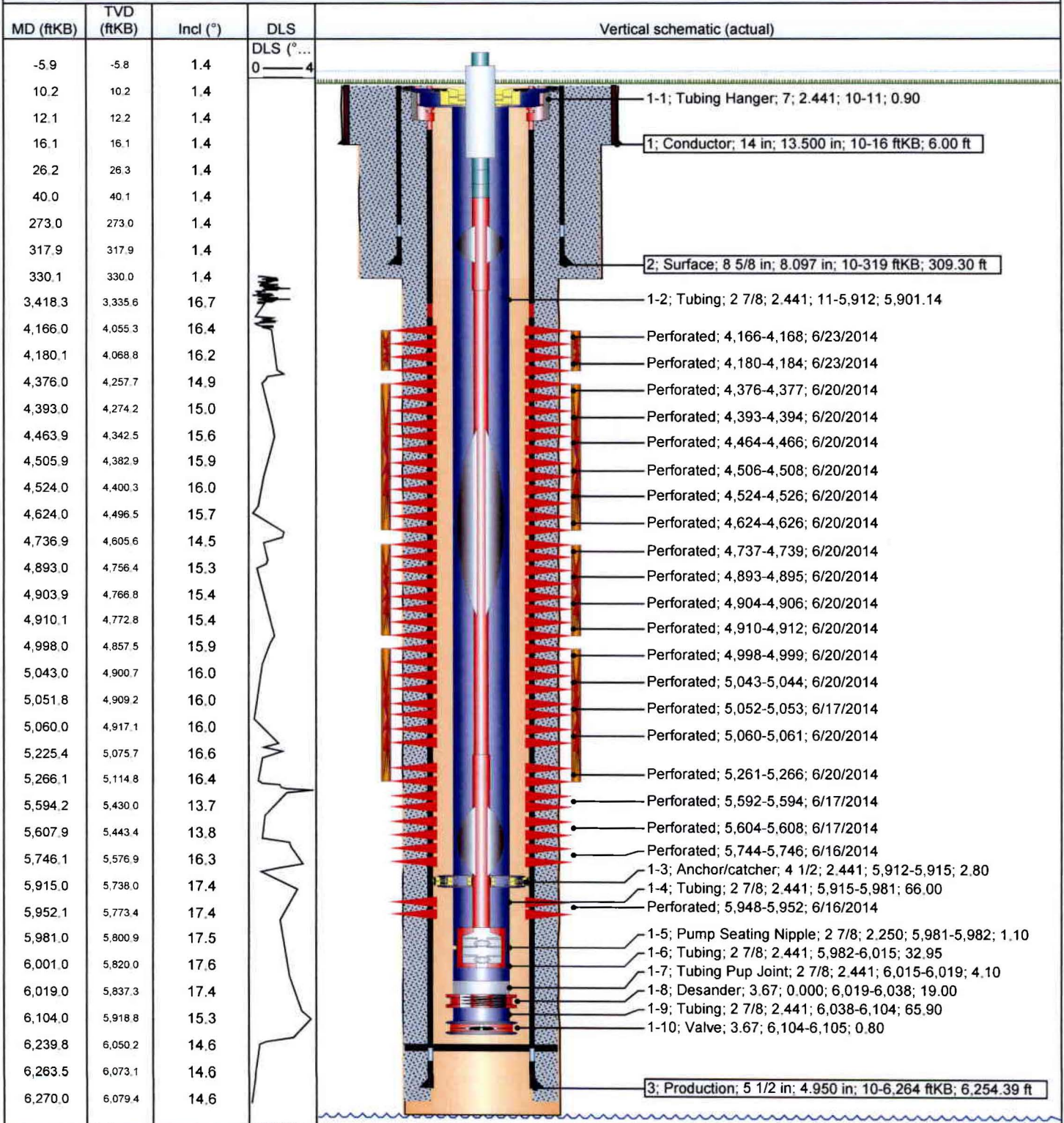
|   |                               |                                |                                     |                                |                              |                   |  |                         |                    |
|---|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|------------------------------|-------------------|--|-------------------------|--------------------|
| Surface Legal Location<br>SWSE 555 FSL 2034 FEL Sec 13 T9S R15E |                               |                                |                                     | API/UWI<br>43013524690000      | Well RC<br>500366601         | Lease<br>UTU68548 | State/Province<br>Utah                       | Field Name<br>GMBU CTB3 | County<br>Duchesne |
| Spud Date<br>5/16/2014  | Rig Release Date<br>5/29/2014 | On Production Date<br>7/1/2014 | Original KB Elevation (ft)<br>6,154 | Ground Elevation (ft)<br>6,144 | Total Depth All (TVD) (ftKB) |                   | PBTB (All) (ftKB)<br>Original Hole - 6,239.7 |                         |                    |

**Most Recent Job**

|                                    |  |                           |                             |                          |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>6/16/2014 | Job End Date<br>7/1/2014 |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|

TD: **6,274.0**

Slant - Original Hole, 8/22/2014 9:29:06 AM



43-013-52470

Well Name: GMBU C-24-9-15

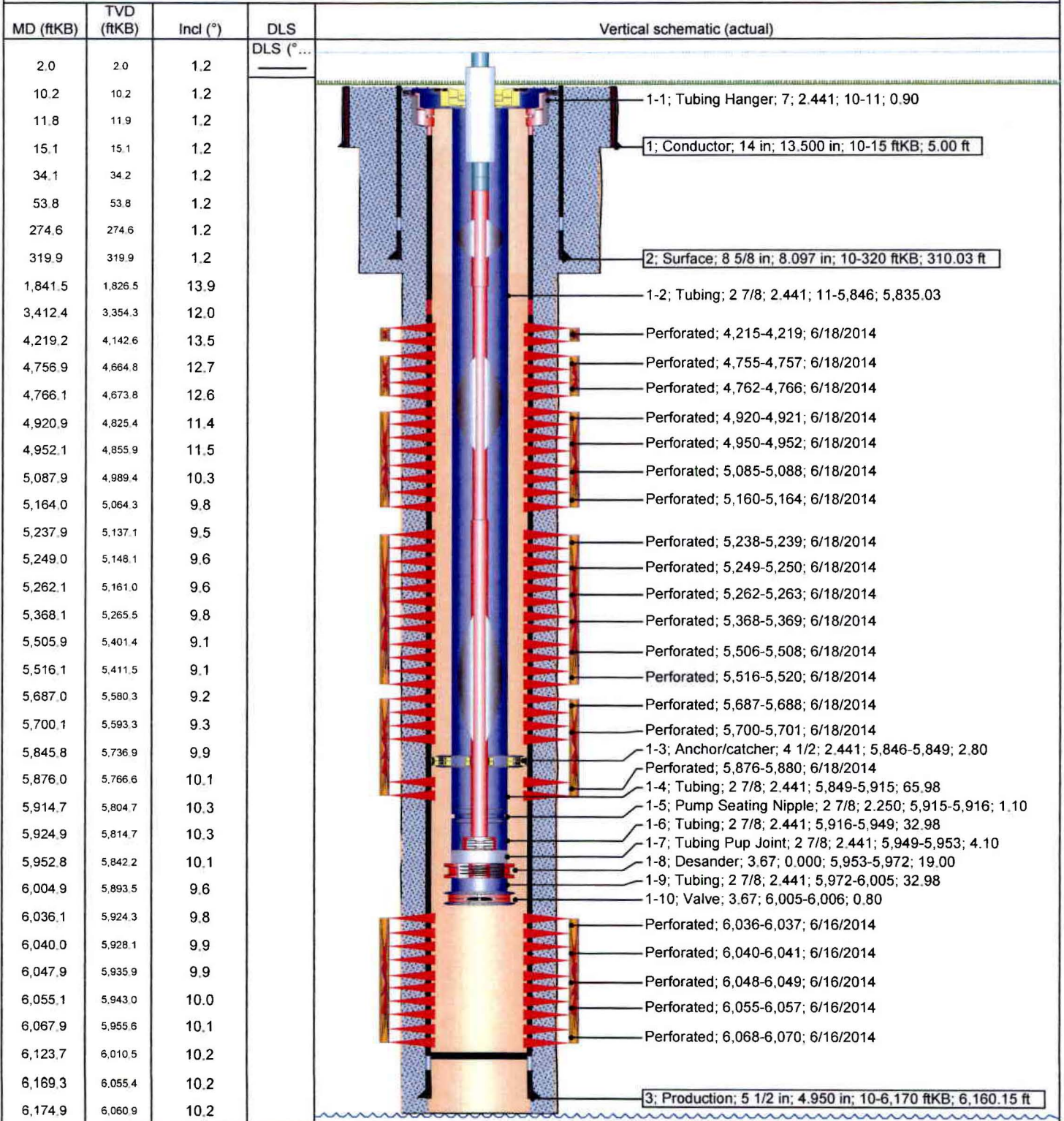
|   |                              |                                |                                     |                                |   |   |                        |                         |                    |
|---|------------------------------|--------------------------------|-------------------------------------|--------------------------------|---|---|------------------------|-------------------------|--------------------|
| Surface Legal Location<br>SWSE 534 FSL 2032 FEL Sec 13 T9S R15E |                              |                                |                                     | API/UWI<br>43013524700000      | Well RC<br>500366663                                    | Lease<br>UTU68548                           | State/Province<br>Utah | Field Name<br>GMBU CTB3 | County<br>Duchesne |
| Spud Date<br>5/19/2014  | Rig Release Date<br>6/1/2014 | On Production Date<br>7/1/2014 | Original KB Elevation (ft)<br>6,154 | Ground Elevation (ft)<br>6,144 | Total Depth All (TVD) (ftKB)<br>Original Hole - 6,061.0 | PBD (All) (ftKB)<br>Original Hole - 6,123.6 |                        |                         |                    |

Most Recent Job

|                                    |  |                           |                             |                          |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|
| Job Category<br>Initial Completion | Primary Job Type<br>Fracture Treatment | Secondary Job Type<br>P&P | Job Start Date<br>6/16/2014 | Job End Date<br>7/1/2014 |
|------------------------------------|--|---------------------------|-----------------------------|--------------------------|

TD: 6,175.0

Slant - Original Hole, 8/22/2014 9:30:24 AM



## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-53130**

Well Name: **Ashley IF**

Sample Point: **tank**

Sample Date: **1 /7 /2011**

Sales Rep: **Monty Frost**

Lab Tech: **Peter Poulsen**

| Sample Specifics                       |           | Analysis @ Properties in Sample Specifics |  |             |                                  |  |             |
|--|-----------|---|--|-------------|----------------------------------|--|-------------|
| Test Date:                             | 1/24/2011 | <b>Cations</b>                            |  | <b>mg/L</b> | <b>Anions</b>                    |  | <b>mg/L</b> |
| Temperature (°F):                      | 100       | Calcium (Ca):                             |  | 34.57       | Chloride (Cl):                   |  | 3000.00     |
| Sample Pressure (psig):                |           | Magnesium (Mg):                           |  | 18.40       | Sulfate (SO <sub>4</sub> ):      |  | 10.00       |
| Specific Gravity (g/cm <sup>3</sup> ): | 1.0017    | Barium (Ba):                              |  | 7.62        | Dissolved CO <sub>2</sub> :      |  | -           |
| pH:                                    | 7.98      | Strontium (Sr):                           |  | -           | Bicarbonate (HCO <sub>3</sub> ): |  | 927.00      |
| Turbidity (NTU):                       | -         | Sodium (Na):                              |  | 2218.00     | Carbonate (CO <sub>3</sub> ):    |  | -           |
| Calculated T.D.S. (mg/L)               | 6217      | Potassium (K):                            |  | -           | H <sub>2</sub> S:                |  | 1.00        |
| Molar Conductivity (µS/cm):            | 9420      | Iron (Fe):                                |  | 0.32        | Phosphate (PO <sub>4</sub> ):    |  | -           |
| Resitivity (Mohm):                     | 1.0616    | Manganese (Mn):                           |  | 0.02        | Silica (SiO <sub>2</sub> ):      |  | -           |
|  |           | Lithium (Li):                             |  | -           | Fluoride (F):                    |  | -           |
|  |           | Aluminum (Al):                            |  | -           | Nitrate (NO <sub>3</sub> ):      |  | -           |
|  |           | Ammonia NH <sub>3</sub> :                 |  | -           | Lead (Pb):                       |  | -           |
|  |           |   |  |             | Zinc (Zn):                       |  | -           |
|  |           |   |  |             | Bromine (Br):                    |  | -           |
|  |           |   |  |             | Boron (B):                       |  | -           |

| Test Conditions |                  | Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl |       |   |          |                                      |          |  |       |                                     |        |                               |
|-----------------|------------------|--|-------|---|----------|--------------------------------------|----------|--|-------|-------------------------------------|--------|-------------------------------|
|                 |                  | Calcium Carbonate<br>CaCO <sub>3</sub>                                   |       | Gypsum<br>CaSO <sub>4</sub> · 2H <sub>2</sub> O |          | Calcium Sulfate<br>CaSO <sub>4</sub> |          | Strontium Sulfate<br>SrSO <sub>4</sub> |       | Barium Sulfate<br>BaSO <sub>4</sub> |        | Calculated<br>CO <sub>2</sub> |
|                 |                  | Sat Index  | Scale | Sat Index                                       | Scale    | Sat Index                            | Scale    | Sat Index                              | Scale | Sat Index                           | Scale  | psi                           |
| Temp °F         | Gauge Press. psi | 4.86   | 11.91 | 0.00  | -2023.00 | 0.00                                 | -2138.60 | -                                      | -     | 2.71                                | 6.25   | 0.26                          |
| 100             |                  | 3.61   | 8.98  | 0.00  | 3.62     | 0.00                                 | -2280.60 | -                                      | -     | 4.10                                | 8.00   | 0.13                          |
| 80              | 0                | 4.86   | 11.91 | 0.00  | 7.31     | 0.00                                 | -2138.70 | -                                      | -     | 2.71                                | 6.25   | 0.16                          |
| 100             | 0                | 6.11   | 14.46 | 0.00  | 10.28    | 0.00                                 | -1932.90 | -                                      | -     | 1.83                                | 4.19   | 0.17                          |
| 120             | 0                | 7.38   | 16.89 | 0.00  | 12.81    | 0.00                                 | -1692.50 | -                                      | -     | 1.27                                | 1.80   | 0.20                          |
| 140             | 0                | 8.59   | 19.05 | 0.00  | 14.86    | 0.00                                 | -1442.00 | -                                      | -     | 0.89                                | -0.93  | 0.22                          |
| 160             | 0                | 9.63   | 20.78 | 0.00  | 16.27    | 0.00                                 | -1199.60 | -                                      | -     | 0.64                                | -4.03  | 0.24                          |
| 180             | 0                | 10.46  | 21.95 | 0.00  | 16.91    | 0.00                                 | -977.39  | -                                      | -     | 0.47                                | -7.51  | 0.24                          |
| 200             | 0                | 10.94  | 22.56 | 0.00  | 16.78    | 0.00                                 | -789.27  | -                                      | -     | 0.34                                | -11.65 | 0.25                          |
| 220             | 2.51             | 11.20  | 22.38 | 0.00  | 15.91    | 0.00                                 | -621.34  | -                                      | -     | 0.25                                | -16.09 | 0.25                          |
| 240             | 10.3             | 11.19  | 21.60 | 0.00  | 14.67    | 0.00                                 | -481.36  | -                                      | -     | 0.19                                | -21.06 | 0.25                          |
| 260             | 20.76            | 10.93  | 20.30 | 0.00  | 13.32    | 0.00                                 | -367.07  | -                                      | -     | 0.14                                | -26.63 | 0.26                          |
| 280             | 34.54            | 10.47  | 18.65 | 0.00  | 11.99    | 0.01                                 | -275.34  | -                                      | -     | 0.11                                | -32.87 | 0.26                          |
| 300             | 52.34            |  |       |   |          |                                      |          |  |       |                                     |        |                               |

**Conclusions:**

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

**Notes:**



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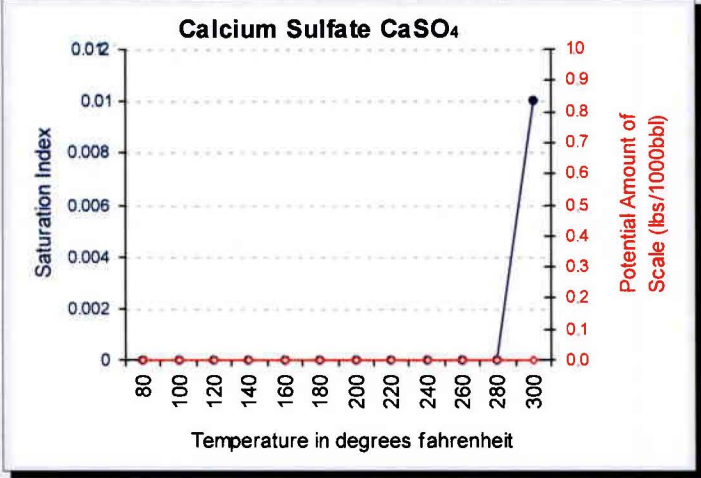
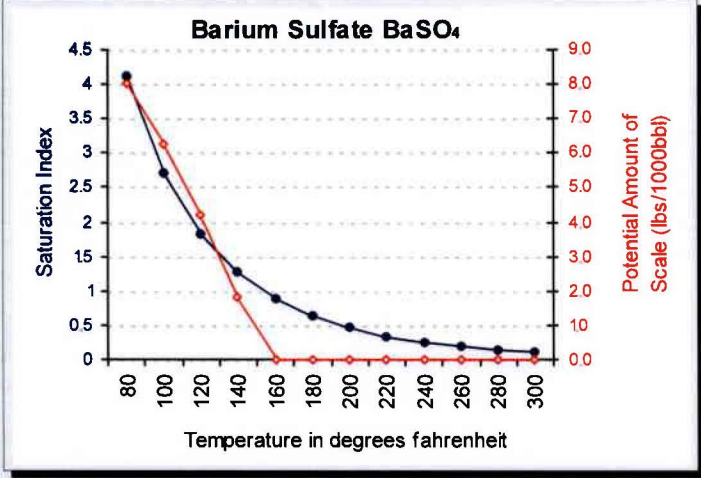
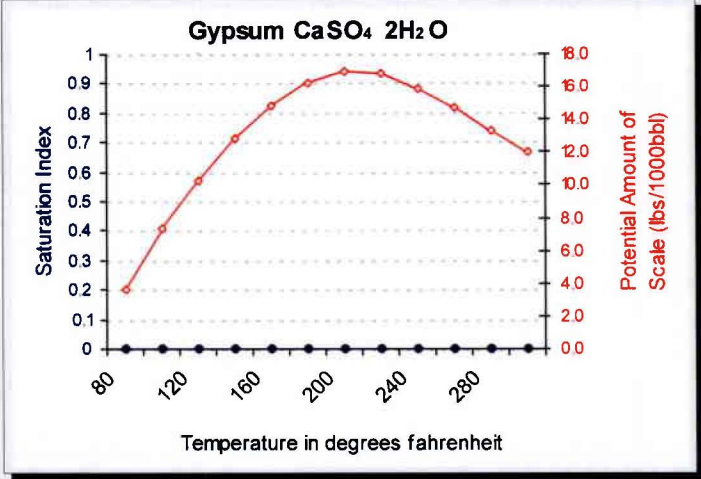
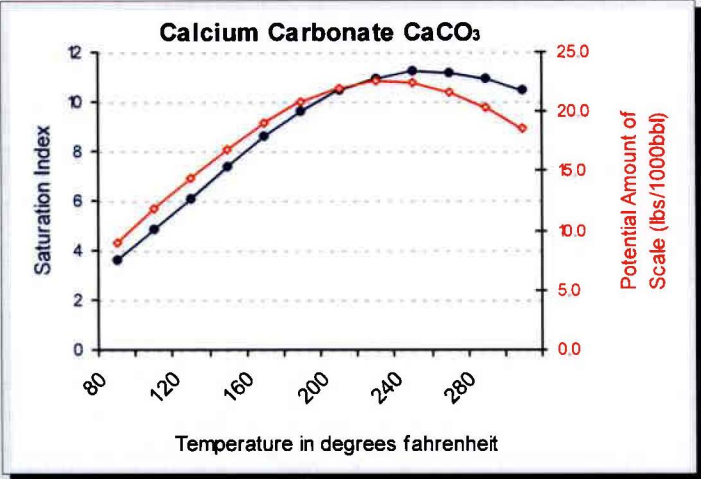
## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Scale Prediction Graphs

Well Name: Ashley IF

Sample ID: WA-53130





## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **Ashley fed 14-13-9-15**  
Sample Point: **tank**  
Sample Date: **1 /7 /2011**  
Sales Rep: **Monty Frost**  
Lab Tech: **Peter Poulsen**

Sample ID: **WA-53124**

| Sample Specifics            |           | Analysis @ Properties in Sample Specifics |         |                     |         |
|-----------------------------|-----------|---|---------|---------------------|---------|
| Test Date:                  | 1/24/2011 | <b>Cations</b>                            |         | <b>Anions</b>       |         |
| Temperature (°F):           | 140       |   | mg/L    |                     | mg/L    |
| Sample Pressure (psig):     |           | Calcium (Ca):                             | 4.78    | Chloride (Cl):      | 2000.00 |
| Specific Gravity (g/cm³):   | 1.0071    | Magnesium (Mg):                           | 2.01    | Sulfate (SO₄):      | 7.00    |
| pH:                         | 8.4       | Barium (Ba):                              | 4.09    | Dissolved CO₂:      | -       |
| Turbidity (NTU):            | -         | Strontium (Sr):                           | -       | Bicarbonate (HCO₃): | 6344.00 |
| Calculated T.D.S. (mg/L):   | 12022     | Sodium (Na):                              | 3654.00 | Carbonate (CO₃):    | -       |
| Molar Conductivity (µS/cm): | 18215     | Potassium (K):                            | -       | H₂S:                | 5.50    |
| Resitivity (Mohm):          | 0.5490    | Iron (Fe):                                | 0.49    | Phosphate (PO₄):    | -       |
|                             |           | Manganese (Mn):                           | 0.16    | Silica (SiO₂):      | -       |
|                             |           | Lithium (Li):                             | -       | Fluoride (F):       | -       |
|                             |           | Aluminum (Al):                            | -       | Nitrate (NO₃):      | -       |
|                             |           | Ammonia NH₃:                              | -       | Lead (Pb):          | -       |
|                             |           |   |         | Zinc (Zn):          | -       |
|                             |           |   |         | Bromine (Br):       | -       |
|                             |           |   |         | Boron (B):          | -       |

| Test Conditions |                  | Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl |       |                     |          |                       |          |                         |       |                      |        |                    |
|-----------------|------------------|--|-------|---------------------|----------|-----------------------|----------|-------------------------|-------|----------------------|--------|--------------------|
| Temp °F         | Gauge Press. psi | Calcium Carbonate CaCO₃  |       | Gypsum CaSO₄ · 2H₂O |          | Calcium Sulfate CaSO₄ |          | Strontium Sulfate SrSO₄ |       | Barium Sulfate BaSO₄ |        | Calculated CO₂ psi |
|                 |                  | Sat Index  | Scale | Sat Index           | Scale    | Sat Index             | Scale    | Sat Index               | Scale | Sat Index            | Scale  |                    |
| 140             |                  | 5.36   | 2.86  | 0.00                | -2032.70 | 0.00                  | -1993.30 | -                       | -     | 0.36                 | -6.49  | 0.58               |
| 80              | 0                | 4.02   | 4.36  | 0.00                | 0.89     | 0.00                  | -2670.40 | -                       | -     | 1.17                 | 0.71   | 0.31               |
| 100             | 0                | 4.64   | 3.82  | 0.00                | 1.38     | 0.00                  | -2510.90 | -                       | -     | 0.77                 | -1.35  | 0.37               |
| 120             | 0                | 5.06   | 3.30  | 0.00                | 1.45     | 0.00                  | -2274.00 | -                       | -     | 0.52                 | -3.75  | 0.42               |
| 140             | 0                | 5.36   | 2.86  | 0.00                | 1.34     | 0.00                  | -1993.30 | -                       | -     | 0.36                 | -6.49  | 0.46               |
| 160             | 0                | 5.55   | 2.53  | 0.00                | 1.17     | 0.00                  | -1698.20 | -                       | -     | 0.26                 | -9.57  | 0.52               |
| 180             | 0                | 5.66   | 2.30  | 0.00                | 1.01     | 0.00                  | -1411.60 | -                       | -     | 0.19                 | -12.99 | 0.56               |
| 200             | 0                | 5.69   | 2.15  | 0.00                | 0.86     | 0.00                  | -1149.20 | -                       | -     | 0.14                 | -16.78 | 0.56               |
| 220             | 2.51             | 5.65   | 2.08  | 0.00                | 0.75     | 0.00                  | -929.27  | -                       | -     | 0.10                 | -21.31 | 0.57               |
| 240             | 10.3             | 5.59   | 2.06  | 0.00                | 0.66     | 0.00                  | -733.97  | -                       | -     | 0.08                 | -26.06 | 0.57               |
| 260             | 20.76            | 5.48   | 2.08  | 0.00                | 0.58     | 0.00                  | -573.05  | -                       | -     | 0.06                 | -31.37 | 0.57               |
| 280             | 34.54            | 5.35   | 2.14  | 0.00                | 0.52     | 0.00                  | -443.30  | -                       | -     | 0.05                 | -37.33 | 0.58               |
| 300             | 52.34            | 5.18   | 2.23  | 0.00                | 0.47     | 0.00                  | -340.41  | -                       | -     | 0.04                 | -44.06 | 0.58               |

**Conclusions:**

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

**Notes:**

4084



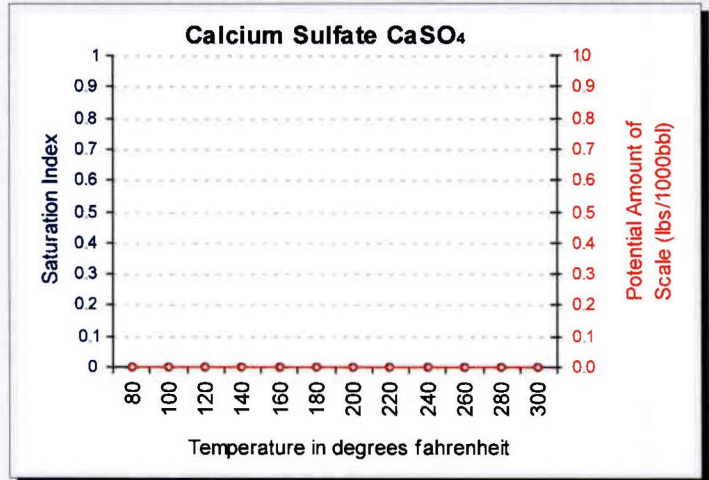
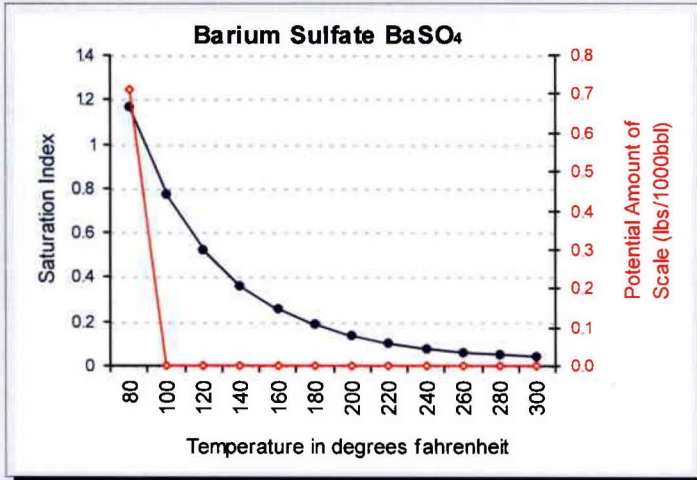
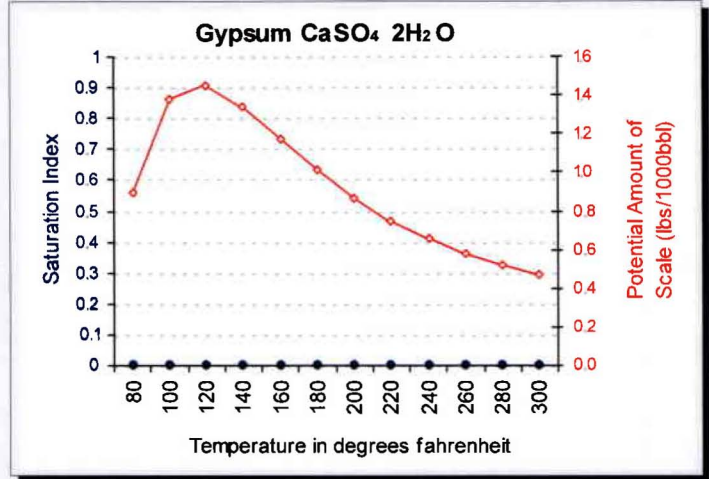
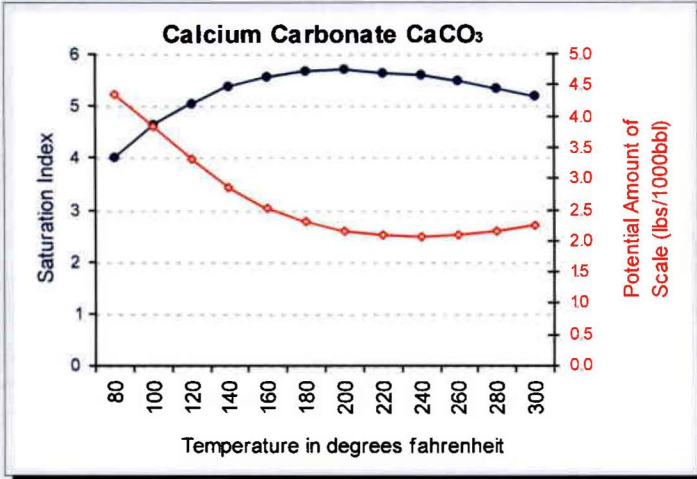
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**Multi-Chem Group, LLC**  
 Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

## Scale Prediction Graphs

Well Name: **Ashley fed 14-13-9-15**

Sample ID: **WA-53124**



**Attachment "G"**

**Ashley Federal #14-13-9-15  
Proposed Maximum Injection Pressure**

| Frac Interval<br>(feet) |        | Avg. Depth<br>(feet) | ISIP<br>(psi) | Calculated<br>Frac<br>Gradient<br>(psi/ft) | Pmax               |
|-------------------------|--------|----------------------|---------------|--|--------------------|
| Top                     | Bottom |                      |               |  |                    |
| 4828                    | 4900   | 4864                 | 2300          | 0.91                                       | 2269               |
| 4754                    | 4762   | 4758                 | 3650          | 1.20                                       | 3619               |
| 4672                    | 4678   | 4675                 | 2030          | 0.87                                       | 2000 ←             |
| 4006                    | 4024   | 4015                 | 2610          | 1.08                                       | 2584               |
|                         |        |                      |               | <b>Minimum</b>                             | <u><u>2000</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.





**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 16, 2005 **Day:** 01  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBTD:** 5874' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** \_\_\_\_\_

**PERFORATION RECORD**

| <u>Zone</u>     | <u>Perfs</u>      | <u>SPF/#shots</u> | <u>Zone</u> | <u>Perfs</u> | <u>SPF/#shots</u> |
|-----------------|-------------------|-------------------|-------------|--------------|-------------------|
|                 |                   |                   |             |              |                   |
|                 |                   |                   |             |              |                   |
| <u>B .5 sds</u> | <u>4828-4832'</u> | <u>4/16</u>       |             |              |                   |
| <u>B2 sds</u>   | <u>4894-4900'</u> | <u>4/24</u>       |             |              |                   |
|                 |                   |                   |             |              |                   |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 15, 2005 **SITP:** \_\_\_\_\_ **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators WLT w/ mast & run CBL under pressure. WLTD @ 5874' & cmt top @ 91'. Perforate stage #1 W/ 4" ported guns as follows: B2 sds @ 4894-4900' and B .5 sds @ 4828-32'. All 4 JSPF in 1 run. SIFN W/ est 141 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 141 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 141 **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        | \$140     |
| NPC NU crew            | \$300     |
| NDSI trucking          | \$1,200   |
| Drilling cost          | \$262,920 |
| NDSI HO trk            | \$400     |
| Location preparation   | \$300     |
| Admin. Overhead        | \$3,000   |
| Benco Anchors          | \$1,200   |
| NPC wellhead           | \$1,500   |
| Perforators - CBL/perf | \$5,328   |
| NPC supervision        | \$300     |

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **15 min:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$276,588  
**TOTAL WELL COST:** \$276,588



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 20, 2005 **Day:** 2a  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBTD:** 5874' WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** \_\_\_\_\_

**PERFORATION RECORD**

| Zone            | Perfs             | SPF/#shots  | Zone | Perfs | SPF/#shots |
|-----------------|-------------------|-------------|------|-------|------------|
|                 |                   |             |      |       |            |
|                 |                   |             |      |       |            |
| <b>B .5 sds</b> | <b>4828-4832'</b> | <b>4/16</b> |      |       |            |
| <b>B2 sds</b>   | <b>4894-4900'</b> | <b>4/24</b> |      |       |            |
|                 |                   |             |      |       |            |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 19, 2005 **SITP:** \_\_\_\_\_ **SICP:** 125

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac B sds, stage #1 down casing w/ 59,638#'s of 20/40 sand in 476 bbls of Lightning 17 frac fluid. Open well w/ 125 psi on casing. Perfs broke down @ 2560 psi, back to 1270 psi. Treated @ ave pressure of 1690 w/ ave rate of 25 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 2300. 617 bbls EWTR. Leave pressure on well. **See day2b.**

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 141 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 476 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 617 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** Lightning 17 **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** B2 & B.5 sds down casing

|                      |          |
|----------------------|----------|
| Weatherford BOP      | \$70     |
| Weatherford Services | \$700    |
| Betts frac water     | \$810    |
| NPC fuel gas         | \$162    |
| BJ Services B sds    | \$21,987 |
| NPC Supervisor       | \$85     |

4620 gals of pad  
3000 gals w/ 1-5 ppg of 20/40 sand  
6000 gals w/ 5-8 ppg of 20/40 sand  
1290 gals w/ 8 ppg of 20/40 sand  
210 gals of 15% HCL acid  
Flush w/ 4872 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

**Max TP:** 1925 **Max Rate:** 25.2 **Total fluid pmpd:** 476 bbls  
**Avg TP:** 1690 **Avg Rate:** 25 **Total Prop pmpd:** 59,638#'s  
**ISIP:** 2300 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .91

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$23,814  
**TOTAL WELL COST:** \$300,402



## DAILY COMPLETION REPORT

**WELL NAME:** Ashley Federal 14-13-9-15      **Report Date:** Sept. 20, 2005      **Day:** 2b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8 @ 314'      **Prod Csg:** 5 1/2" @ 5977'      **Csg PBTD:** 5874' WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4800'

### PERFORATION RECORD

| Zone     | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| C sds    | 4754-4762' | 4/32       |      |       |            |
| B .5 sds | 4828-4832' | 4/16       |      |       |            |
| B2 sds   | 4894-4900' | 4/24       |      |       |            |

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Sept. 19, 2005      **SITP:** \_\_\_\_\_ **SICP:** 1256

Day2b.

RU Black Warrior WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac & 8' perf gun. Set plug @ 4800'. Perforate C sds @ 4754-4762' w/ 4" Port Guns (19 gram, .41"HE, 120°) w/ 4 spf for total of 32 shot. RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 49,648#'s of 20/40 sand in 418 bbls of Lightning 17 frac fluid. Open well w/ 1256 psi on casing. Perfs broke down @ 3293 psi, back to 2150 psi. Treated @ ave pressure of 2308 w/ ave rate of 28.5 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 3650. 1035 bbls EWTR. Leave pressure on well. **See day2c.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 617      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 418      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1035      **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:** C sds down casing

- 3822 gals of pad
- 2625 gals w/ 1-5 ppg of 20/40 sand
- 5250 gals w/ 5-8 ppg of 20/40 sand
- 836 gals w/ 8 ppg of 20/40 sand
- 210 gals of 15% HCL acid
- Flush w/ 4788 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

**Max TP:** 2485      **Max Rate:** 31.8      **Total fluid pmpd:** 418 bbls  
**Avg TP:** 2308      **Avg Rate:** 28.5      **Total Prop pmpd:** 49,648#'s  
**ISIP:** 3650      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** 1.2

**Completion Supervisor:** Ron Shuck

### COSTS

|                      |          |
|----------------------|----------|
| Weatherford BOP      | \$70     |
| Weatherford Services | \$2,200  |
| Betts frac water     | \$690    |
| NPC fuel gas         | \$135    |
| BJ Services C sds    | \$12,774 |
| NPC Supervisor       | \$85     |
| BWWC C sds           | \$4,490  |

**DAILY COST:** \$20,444

**TOTAL WELL COST:** \$320,846



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 20, 2005 **Day:** 2c  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBTD:** 5874' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 4720'  
**Plug** 4800'

**PERFORATION RECORD**

| Zone     | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| D2 sds   | 4672-4678' | 4/24       |      |       |            |
| C sds    | 4754-4762' | 4/32       |      |       |            |
| B .5 sds | 4828-4832' | 4/16       |      |       |            |
| B2 sds   | 4894-4900' | 4/24       |      |       |            |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 19, 2005 **SITP:** \_\_\_\_\_ **SICP:** 1020

Day2c.

RU WLT. RIH w/ frac & 6' perf gun. Set plug @ 4720'. Perforate D2 sds @ 4672-4678' w/ 4 spf for total of 28 shot. RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #3 w/ 30,644#'s of 20/40 sand in 323 bbls of Lightning 17 frac fluid. Open well w/ 1020 psi on casing. Perfs broke down @ 4255 psi, back to 2000 psi. Treated @ ave pressure of 1910 w/ ave rate of 25.1 bpm w/ up to 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 2030. 1358 bbls EWTR. Leave pressure on well. **See day2d.**

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1035 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 323 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1358 **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 sds down casing

**COSTS**

|                      |         |
|----------------------|---------|
| Weatherford BOP      | \$70    |
| Weatherford Services | \$2,200 |
| Betts frac water     | \$420   |
| NPC fuel gas         | \$84    |
| BJ Services D2 sds   | \$9,714 |
| NPC Supervisor       | \$85    |
| BWWC D2 sds          | \$4,490 |

3192 gals of pad  
1875 gals w/ 1-5 ppg of 20/40 sand  
4047 gals w/ 5-8 ppg of 20/40 sand  
210 gals of 15% HCL acid  
Flush w/ 4662 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

**Max TP:** 2125 **Max Rate:** 25.2 **Total fluid pmpd:** 323 bbls  
**Avg TP:** 1910 **Avg Rate:** 25.1 **Total Prop pmpd:** 30,644#'s  
**ISIP:** 2030 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .87

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$17,063  
**TOTAL WELL COST:** \$337,909



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 20, 2005 **Day:** 2d  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBTD:** 5874' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 4130'  
**Plug** 4800' 4720'

**PERFORATION RECORD**

| Zone     | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| GB2 sds  | 4006-4024' | 4/72       |      |       |            |
| D2 sds   | 4672-4678' | 4/24       |      |       |            |
| C sds    | 4754-4762' | 4/32       |      |       |            |
| B .5 sds | 4828-4832' | 4/16       |      |       |            |
| B2 sds   | 4894-4900' | 4/24       |      |       |            |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 19, 2005 **SITP:** \_\_\_\_\_ **SICP:** 1460

Day2d.

RU WLT. RIH w/ frac & 18' perf gun. Set plug @ 4130'. Perforate GB2 sds @ 4006-4024' w/ 4 spf for total of 72 shot. RU BJ & frac stage #4 w/ 84,673#'s of 20/40 sand in 583 bbls of Lightning 17 frac fluid. Open well w/ 1460 psi on casing. Perfs broke down @ 4340 psi, back to 1540 psi. Treated @ ave pressure of 1903 w/ ave rate of 25 bpm w/ 8 ppg of sand. ISIP was 2610. 1941 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 5 hours & died w/ 330 bbls rec'd. SIFN.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1941 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 330 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1611 **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:** GB2 sds down casing

- 6006 gals of pad
- 4000 gals w/ 1-5 ppg of 20/40 sand
- 8000 gals w/ 5-8 ppg of 20/40 sand
- 2574 gals w/ 8 ppg of 20/40 sand
- Flush w/ 3906 gals of slick water

**COSTS**

|                      |          |
|----------------------|----------|
| Weatherford BOP      | \$70     |
| Weatherford Services | \$2,200  |
| Betts frac water     | \$1,110  |
| NPC fuel gas         | \$222    |
| BJ Services GB2 sds  | \$17,283 |
| NPC Supervisor       | \$85     |
| BWWC GB2 sds         | \$4,490  |
| Betts water transfer | \$500    |

**Max TP:** 2100 **Max Rate:** 25.2 **Total fluid pmpd:** 583 bbls  
**Avg TP:** 1903 **Avg Rate:** 25 **Total Prop pmpd:** 84,673#'s  
**ISIP:** 2610 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** 1.08

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$25,960  
**TOTAL WELL COST:** \$363,869



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 23, 2005 **Day:** 03  
**Operation:** Completion **Rig:** NC #3

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBDT:** 5874' WL  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 3983' **BP/Sand PBDT:** 4130'  
**Plug** 4800' 4720'

**PERFORATION RECORD**

| <u>Zone</u>     | <u>Perfs</u>      | <u>SPF/#shots</u> | <u>Zone</u> | <u>Perfs</u> | <u>SPF/#shots</u> |
|-----------------|-------------------|-------------------|-------------|--------------|-------------------|
| <u>GB2 sds</u>  | <u>4006-4024'</u> | <u>4/72</u>       |             |              |                   |
| <u>D2 sds</u>   | <u>4672-4678'</u> | <u>4/24</u>       |             |              |                   |
| <u>C sds</u>    | <u>4754-4762'</u> | <u>4/32</u>       |             |              |                   |
| <u>B .5 sds</u> | <u>4828-4832'</u> | <u>4/16</u>       |             |              |                   |
| <u>B2 sds</u>   | <u>4894-4900'</u> | <u>4/24</u>       |             |              |                   |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 22, 2005 **SITP:** \_\_\_\_\_ **SICP:** 100

MIRU NC #3. Bleed pressure off well. Rec est 25 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4058'. Tbg displaced 10 BW on TIH. Pull EOT to 3983'. SIFN W/ est 1576 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1611 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 35 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1576 **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**

|                                |                  |
|--------------------------------|------------------|
| <u>NC #3 rig</u>               | <u>\$4,323</u>   |
| <u>Weatherford BOP(X2)</u>     | <u>\$280</u>     |
| <u>NDSI trucking</u>           | <u>\$1,200</u>   |
| <u>NDSI wtr &amp; truck</u>    | <u>\$400</u>     |
| <u>Unichem chemicals</u>       | <u>\$300</u>     |
| <u>NPC trucking</u>            | <u>\$300</u>     |
| <u>Aztec - new J55 tbg</u>     | <u>\$28,797</u>  |
| <u>NPC sfc equipment</u>       | <u>\$120,000</u> |
| <u>R &amp; T labor/welding</u> | <u>\$13,600</u>  |
| <u>Monks pit reclaim</u>       | <u>\$1,800</u>   |
| <u>Mt. West sanitation</u>     | <u>\$520</u>     |
| <u>RNI wtr disposal</u>        | <u>\$3,000</u>   |
| <u>NPC supervision</u>         | <u>\$300</u>     |
| <b>DAILY COST:</b>             | <b>\$174,820</b> |
| <b>TOTAL WELL COST:</b>        | <b>\$538,689</b> |

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 24, 2005 **Day:** 04  
**Operation:** Completion **Rig:** NC #3

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBTD:** 5931'  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 5849' **BP/Sand PBTD:** 5931'

**PERFORATION RECORD**

| Zone     | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| GB2 sds  | 4006-4024' | 4/72       |      |       |            |
| D2 sds   | 4672-4678' | 4/24       |      |       |            |
| C sds    | 4754-4762' | 4/32       |      |       |            |
| B .5 sds | 4828-4832' | 4/16       |      |       |            |
| B2 sds   | 4894-4900' | 4/24       |      |       |            |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 23, 2005 **SITP:** 0 **SICP:** 0

TIH W/ bit & tbg f/ 3983'. Tag fill @ 4058'. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4058', plug @ 4130' in 35 minutes; sd @ 4700', plug @ 4720' in 37 minutes; no sd, plug @ 4800' in 32 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5766'. PU swivel. Drill plug remains & sd to PBTD @ 5931'. Circ hole clean. Lost est 20 BW during cleanout. RD swivel. Pull EOT to 5849'. RU swab equipment. IFL @ sfc. Made 11 swab runs rec 169 BTF W/ light gas, tr oil & no sand. FFL @ 1100'. SIFN W/ est 1427 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1576 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 149 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1427 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** sfc **FFL:** 1100' **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** tr

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

|                      |         |
|----------------------|---------|
| NC #3 rig            | \$4,854 |
| Weatherford BOP      | \$140   |
| Weatherford swivel   | \$750   |
| CDI TA               | \$525   |
| CDI SN               | \$80    |
| NPC trucking         | \$300   |
| NPC location cleanup | \$300   |
| NPC supervision      | \$300   |

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$7,249

**TOTAL WELL COST:** \$545,938



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 14-13-9-15 **Report Date:** Sept. 25, 2005 **Day:** 05  
**Operation:** Completion **Rig:** NC #3

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 314' **Prod Csg:** 5 1/2" @ 5977' **Csg PBDT:** 5931'  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Anchor @:** 4870' **BP/Sand PBDT:** 5931'

**PERFORATION RECORD**

| Zone     | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| GB2 sds  | 4006-4024' | 4/72       |      |       |            |
| D2 sds   | 4672-4678' | 4/24       |      |       |            |
| C sds    | 4754-4762' | 4/32       |      |       |            |
| B .5 sds | 4828-4832' | 4/16       |      |       |            |
| B2 sds   | 4894-4900' | 4/24       |      |       |            |

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Sept. 24, 2005 **SITP:** 25 **SICP:** 25

Bleed gas off well. RU swab equipment. IFL @ 600'. Made 2 swb runs rec 18 BTF (est 9 BW & 9 BO) W/ light gas & no sd. FOC @ 10%. FFL @ 1100'. TIH W/ tbg. Tag PBDT @ 5931' (no new fill). LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 156 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 4870' W/ SN @ 4904' & EOT @ 4968'. Land tbg W/ 15,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14.5' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 80-3/4" plain rods, 99-3/4" scraped rods, 1-8', 1-6', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 1 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1419 BWTR. Place well on production @ 3:30 PM 9/24/2005 W/ 86" SL @ 5 SPM.  
**FINAL REPORT!!**

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1427 **Starting oil rec to date:** 5  
**Fluid lost/recovered today:** 8 **Oil lost/recovered today:** 9  
**Ending fluid to be recovered:** 1419 **Cum oil recovered:** 13  
**IFL:** 600' **FFL:** 1100' **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** 10%

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

| TUBING DETAIL |                           | ROD DETAIL                           |  | COSTS                 |          |
|---------------|---------------------------|--------------------------------------|--|-----------------------|----------|
| KB            | 12.00'                    | 1 1/2" X 22' polished rod            |  | NC #3 rig             | \$3,562  |
| 156           | 2 7/8 J-55 tbg (4858.15') | 1-8', 1-6', 1-4', 1-2' X 3/4" ponies |  | Weatherford BOP       | \$140    |
|               | TA (2.80' @ 4870.15' KB)  | 99-3/4" scraped rods                 |  | CDI rod pump          | \$1,325  |
| 1             | 2 7/8 J-55 tbg (31.05')   | 80-3/4" plain rods                   |  | "A" grade rod string  | \$10,611 |
|               | SN (1.10' @ 4904.00' KB)  | 10-3/4" scraped rods                 |  | Zubiate HO trk        | \$582    |
| 2             | 2 7/8 J-55 tbg (62.38')   | 6-1 1/2" weight rods                 |  | NPC frac tks(5X5 dys) | \$1,000  |
|               | 2 7/8 NC (.45')           | CDI 2 1/2" X 1 1/2" X 14.5'          |  | NPC swab tk (3 days)  | \$120    |
| EOT           | 4967.93' W/ 12' KB        | RHAC pump W/ SM plunger              |  | NPC frac head         | \$500    |
|               |                           |                                      |  | NPC supervision       | \$300    |

**DAILY COST:** \$18,140

**TOTAL WELL COST:** \$564,078

**Completion supervisor:** Gary Dietz



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3956'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 196' balance plug using 23 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 42 sx Class "G" cement down 5 1/2" casing to 364'

The approximate cost to plug and abandon this well is \$42,000.

## Ashley Federal 14-13-9-15

Spud Date: 7/27/05  
 Put on Production: 9/24/05  
 GL: 6158' KB: 6170'

Initial Production: 46 BOPD,  
 32 MCFD, 92 BWPD

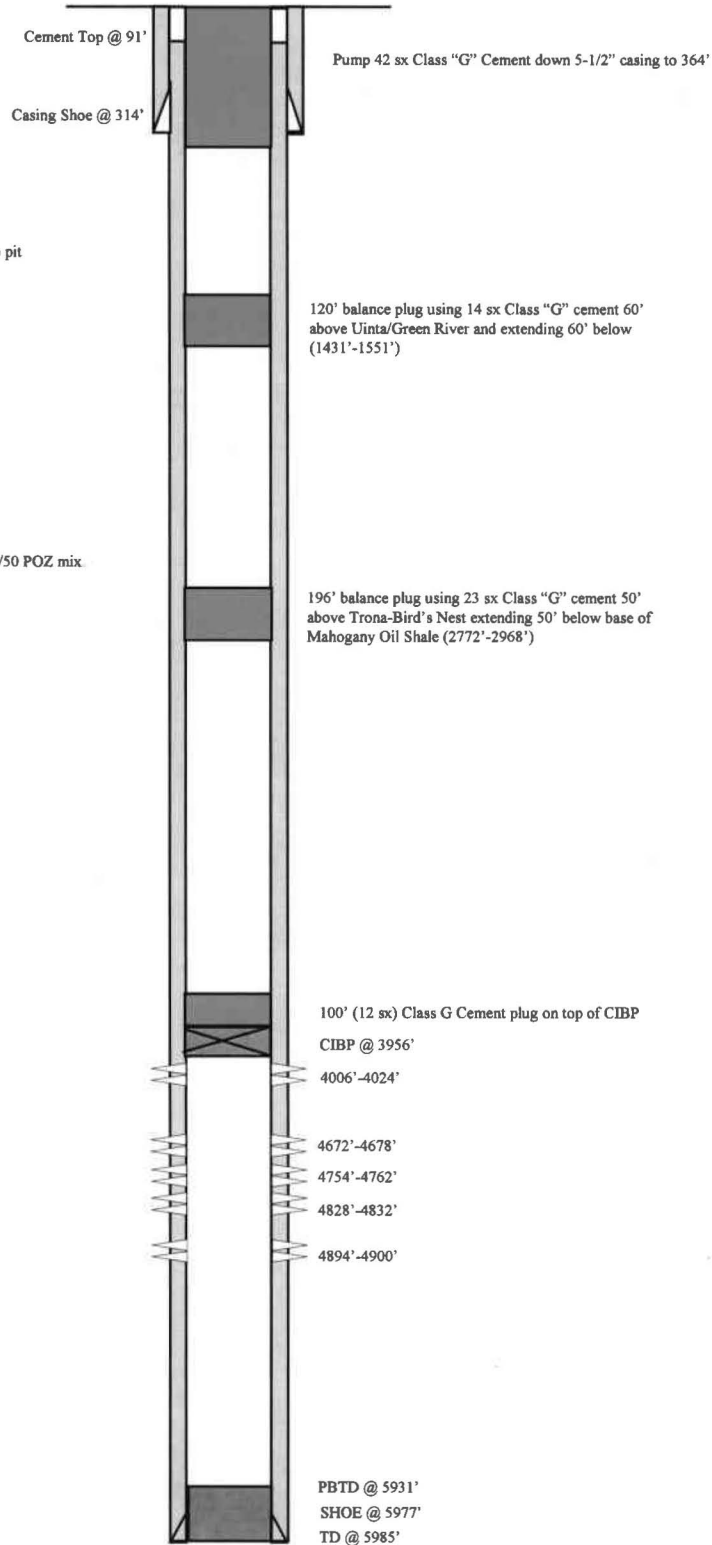
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.2')  
 DEPTH LANDED: 314.2' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 4 bbls cement to pit

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5978.71')  
 DEPTH LANDED: 5976.71' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 300 sks Prem. Lite II mixed & 450 sks 50/50 POZ mix.  
 CEMENT TOP AT: 91'



**NEWFIELD**



Ashley Federal 14-13-9-15  
 758' FSL & 2020' FWL  
 SE/SW Section 13-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32669; Lease #UTU-68548

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.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**


|  |  |  |
|--|--|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>USA UTU-68548                       |
| 2. Name of Operator<br>NEWFIELD PRODUCTION COMPANY   |  | 6. If Indian, Allottee or Tribe Name.                      |
| 3a. Address Route 3 Box 3630<br>Myton, UT 84052  | 3b. Phone (include are code)<br>435.646.3721 | 7. If Unit or CA/Agreement, Name and/or<br>GMBU            |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>758 FSL 2020 FWL<br>SESW Section 13 T9S R15E           |  | 8. Well Name and No.<br>ASHLEY FEDERAL 14-13-9-15          |
|  |  | 9. API Well No.<br>4301332669                              |
|  |  | 10. Field and Pool, or Exploratory Area<br>GREATER MB UNIT |
|  |  | 11. County or Parish, State<br>DUCHESNE, UT                |

**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 checked="" type="checkbox"/> Convert to Injector | <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.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

|  |                                |
|--|--------------------------------|
| I hereby certify that the foregoing is true and correct (Printed/ Typed)<br>Jill Loyle           | Title<br>Regulatory Technician |
| Signature<br> | Date<br>2/9/2011               |
| <b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>  |                                |

|   |        |      |
|---|--------|------|
| 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 |      |

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

| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |
|---|---|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-68548   |
| 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.  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  |
|   |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)   |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  | <b>8. WELL NAME and NUMBER:</b><br>Ashley Fed 14-13-9-15  |   |
| <b>2. NAME OF OPERATOR:</b><br>Newfield Production Company  | <b>9. API NUMBER:</b><br>43013326690000   |   |
| <b>3. ADDRESS OF OPERATOR:</b><br>4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380   | <b>PHONE NUMBER:</b><br>435-646-4802  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE  |
| <b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b><br>758 FSL 2020 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SESW Section: 13 Township: 9S Range: 15E Meridian: S   | <b>COUNTY:</b><br>DUCHESNE  |   |
|   |   | <b>STATE:</b><br>UTAH   |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |   |   |
| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/19/2019<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER |   |
|   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input type="text" value="MIT"/>   |   |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>   |   |   |
| <p>On 06/18/2019 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 06/19/2019 the casing was pressured up to 1169 psig and charted for 15 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1691 psig during the test. There was a State representative available to witness the test - Mark Jones.</p> |   | <p><b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining<br/>FOR RECORD ONLY</b></p> <p>August 20, 2019</p> |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874   | <b>TITLE</b><br>Field Production Assistant  |
| <b>SIGNATURE</b><br>N/A   |   | <b>DATE</b><br>6/26/2019  |

## 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 Jones Date: 6-19-2019 Time: 9:09 am pm  
 Test Conducted By: EVERETT URAH  
 Others Present: \_\_\_\_\_

|   |   |                  |   |
|---|---|------------------|---|
| Well Name: <u>ASHLEY FEDERAL 14-13-9-15</u> |   |                  |   |
| Field: <u>Monument Butte</u>                | County: <u>Duchesne</u>                 | State: <u>ut</u> |   |
| Location: <u>SESW</u> Sec: <u>13</u>        | T: <u>9</u>                             | N/S: <u>15</u>   | R: <u>15</u> <input type="checkbox"/> W |
| Operator: <u>Newfield</u>                   | API # <u>43-013-32669</u>               |                  |   |
| Last MIT: <u>7/31/2014</u>                  | Maximum Allowable Pressure: <u>2000</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: \_\_\_\_\_ bpd

Pre-test casing / tubing annulus pressure: 0 / 1692 psig

| MIT DATA TABLE                                       | Test #1                                  | Test #2       |                      |
|--|--|---------------|----------------------|
| <b>TUBING PRESSURE</b>                               |  |               |                      |
| Initial Pressure                                     | <u>1692</u>                              | psig          | psig                 |
| End of test pressure                                 | <u>1691</u>                              | psig          | psig                 |
| <b>CASING / TUBING <u>Gauge</u> ANNULUS PRESSURE</b> |  |               |                      |
| 0 minutes  | <u>1180</u>                              | <u>1154.2</u> | psig                 |
| 5 minutes  | <u>1180</u>                              | <u>1162.2</u> | psig                 |
| 10 minutes   | <u>1180</u>                              | <u>1166.6</u> | psig                 |
| 15 minutes   | <u>1180</u>                              | <u>1169.0</u> | psig                 |
| 20 minutes   |  |               | psig                 |
| 25 minutes   |  |               | psig                 |
| 30 minutes   |  |               | psig                 |
| _____ minutes  |  |               | psig                 |
| _____ minutes  |  |               | psig                 |
| <b>RESULT</b>  | <input checked="" type="checkbox"/> Pass | { } Fail      | { } Pass    { } Fail |

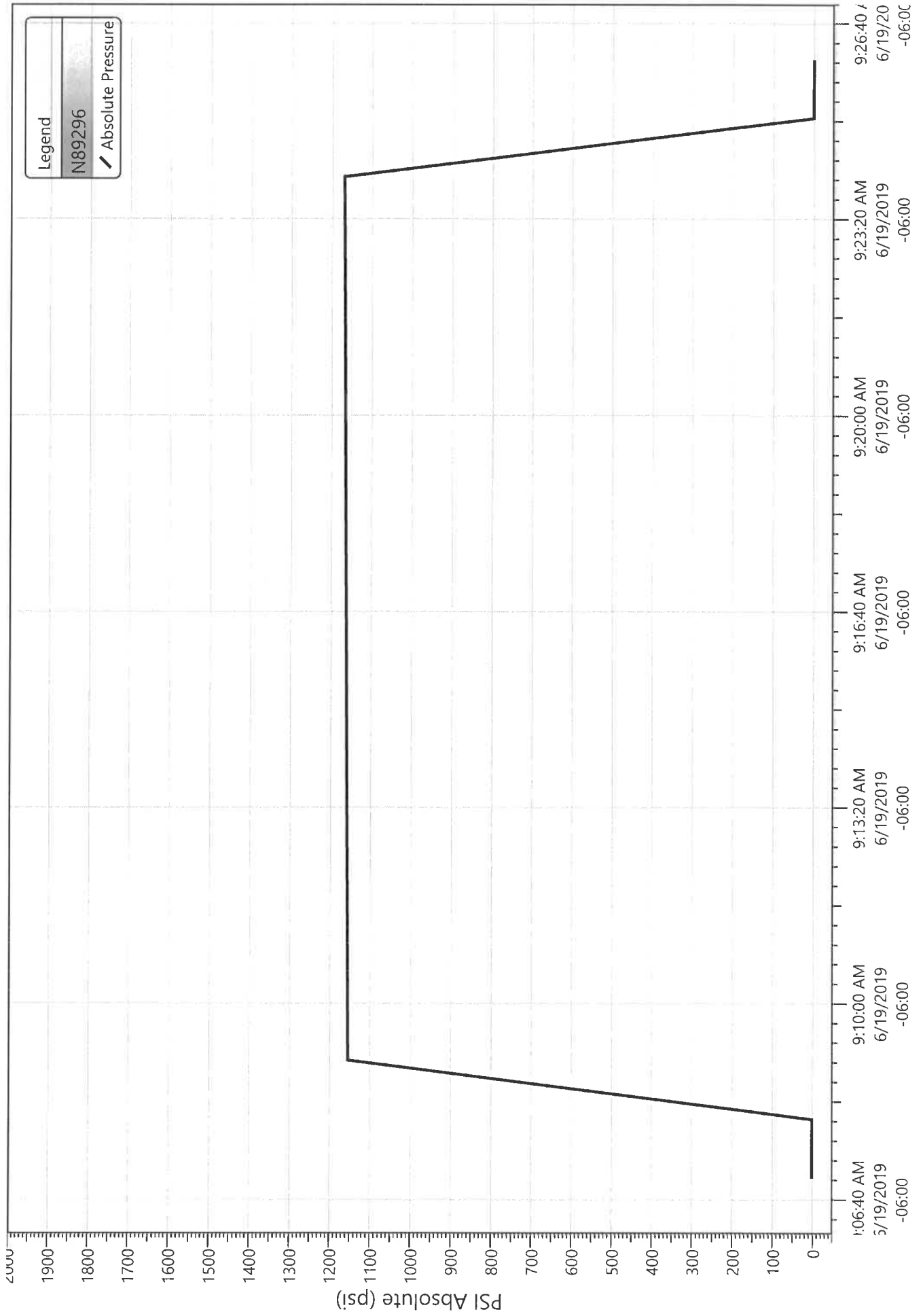
Does the annulus pressure build back up after test?    { } Yes     No

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 Jones \* Passed based on guage observations  
 Signature of Person Conducting Test: Everett Urah

Ashley Federal 14-13-9-15 (6/19/2019, 5 yr. MIT)

6/19/2019 9:06:24 AM



Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

|  |  |
|--|--|
| <b>FORMER OPERATOR:</b><br>Newfield Production Company | <b>NEW OPERATOR:</b><br>Ovintiv Production, Inc. |
| Groups:<br>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:**

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**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**

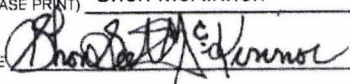
| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
|--|---|---|--|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <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"/> <b>SUBSEQUENT REPORT</b><br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <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 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

|  |  |   |
|--|--|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br><b>see attached list</b> |
| 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:<br><b>see attached</b>        |
| 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:<br><b>Newfield Production Company</b>   |  | 8. WELL NAME and NUMBER:<br><b>see attached</b>                     |
| 3. ADDRESS OF OPERATOR:<br><b>4 Waterway Square Place</b> CITY: <b>The Woodlands</b> STATE: <b>TX</b> ZIP: <b>77380</b>  |  | 9. API NUMBER:<br><b>attached</b>                                   |
| 4. LOCATION OF WELL  |  | 10. FIELD AND POOL, OR WILDCAT:<br><b>attached</b>                  |
| FOOTAGES AT SURFACE: _____ COUNTY: _____   |  |   |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <b>UTAH</b>  |  |   |

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<br>(Submit in Duplicate)<br><br>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<br>(Submit Original Form Only)<br><br>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<br><b>See attached list</b> | API Number<br><b>Attached</b>                       |
| Location of Well                                 | Field or Unit Name<br><b>See Attached</b>           |
| Footage : County :                               | Lease Designation and Number<br><b>See Attached</b> |
| 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

|   |   |
|---|---|
| <b>FORMER OPERATOR:</b><br>Ovintiv Production, Inc. | <b>NEW OPERATOR:</b><br>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<br>(Submit in Duplicate)<br><br>Approximate date work will start:<br><u>7/1/2021</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<br>(Submit Original Form Only)<br><br>Date of work completion:<br>_____                        | <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<br>See attached list        | API Number<br>Attached                       |
| Location of Well                                 | Field or Unit Name<br>See Attached           |
| Footage : _____ County : _____                   | Lease Designation and Number<br>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

|                         |                              |
|-------------------------|------------------------------|
| <b>FORMER OPERATOR:</b> | <b>NEW OPERATOR:</b>         |
| 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:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See attached Exhibit A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**None - N/A**

7. UNIT or CA AGREEMENT NAME:  
**Greater Monument Butte Unit**

8. WELL NAME and NUMBER:  
**See attached Exhibit A**

9. API NUMBER:  
**Attached**

10. FIELD AND POOL, OR WILDCAT:  
**See attached Exhibit A**

**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.

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**Scout Energy Management, LLC**

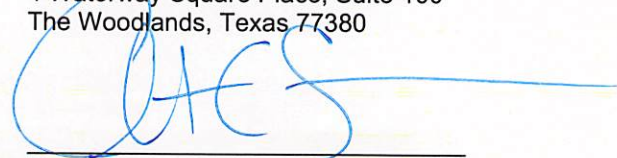
3. ADDRESS OF OPERATOR:  
13800 Montfort Road, Suite 1 CITY Dallas STATE TX ZIP 75240  
PHONE NUMBER: (972) 325-1096


4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See attached Exhibit A** COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

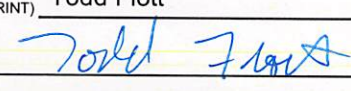
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |  |
|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br><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<br>(Submit Original Form Only)<br>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  
  
Signature - Christian C. Sizemore  
Director, Rockies and Land Innovation  
State/Fee Bond #105189977  
BLM Bond #105073466

NEW OPERATOR:  
Scout Energy Management, LLC  
13800 Montfort Road, Suite 100  
Dallas, TX 75240  
  
Signature - Todd Flott  
Managing Director  
State/Fee Bond #612402460 / #61242461  
BLM Bond #612402462

NAME (PLEASE PRINT) Todd Flott TITLE Managing Director  
SIGNATURE  DATE 8/31/2022

(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<br>see attached list |                       | API Number<br>attached                                 |
| Location of Well                          |                       | Field or Unit Name<br>see attached Exhibit A           |
| Footage :                                 | County : see attached | Lease Designation and Number<br>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