

NEWFIELD



November 22, 2005

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: Federal 2-22-9-16, 8-22-9-16, 5-23-9-16, 8-23-9-16, 6-24-9-16, and Sundance Federal 12-1-9-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 8-22-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
NOV 23 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

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

5. Lease Serial No.  
UTU-15855

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

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

8. Lease Name and Well No.  
Federal 8-23-9-16

1a. Type of Work:  DRILL  REENTER

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

9. API Well No.  
43-013-32961

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

10. Field and Pool, or Exploratory Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SE/NE 1891' FNL 535' FEL 578642X 40.0185P  
At proposed prod. zone 4430014Y -110.07848

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/NE Sec. 23, T9S R16E

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 17.9 miles southwest of Myton, Utah

12. County or Parish  
Duchesne

13. State  
UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1891' f/lse, NA' f/unit

16. No. of Acres in lease  
1200.00

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. 1526'

19. Proposed Depth  
5810'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5685' GL

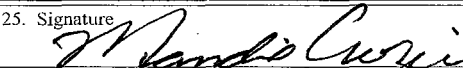
22. Approximate date work will start\*  
1st Quarter 2006

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

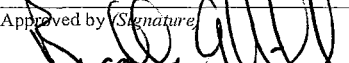
24. Attachments

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

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  Name (Printed/Typed) Mandie Crozier Date 11/22/05

Title Regulatory Specialist

Approved by  Name (Printed/Typed) BRADLEY G. HILL Date 11-29-05

Title ENVIRONMENTAL SCIENTIST III

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

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

\*(Instructions on reverse)

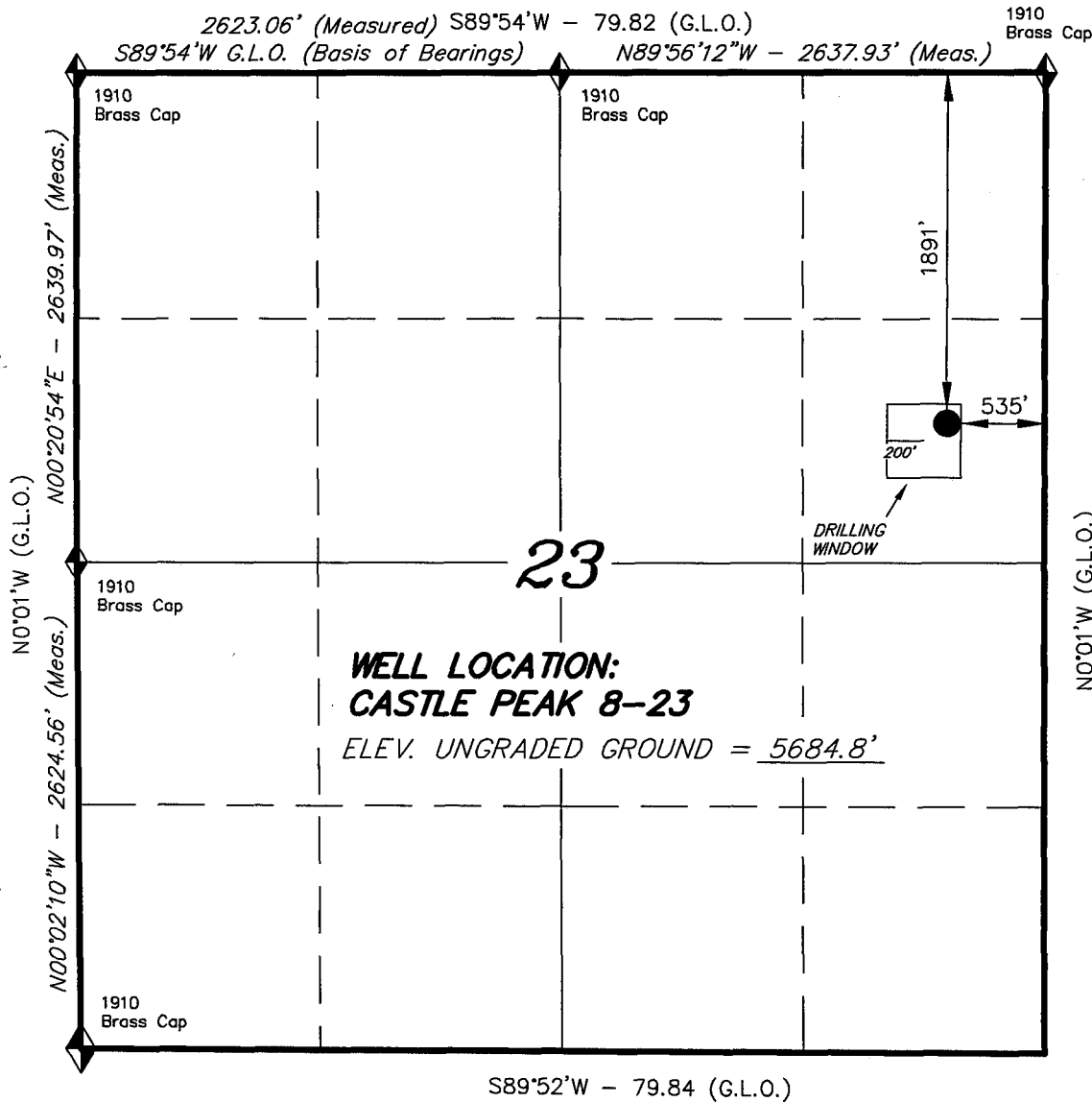
Federal Approval of this  
Action Is Necessary

RECEIVED  
NOV 23 2005

DIV. OF OIL, GAS & MINING

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

## NEWFIELD PRODUCTION COMPANY



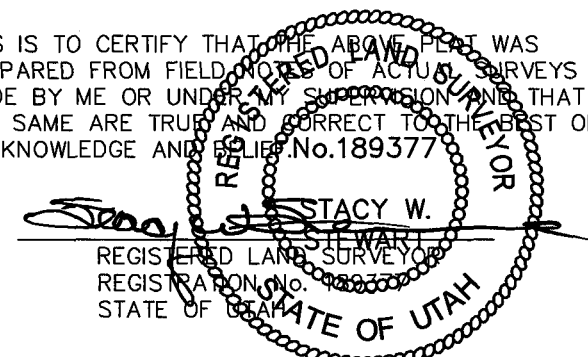
WELL LOCATION, CASTLE PEAK 8-23,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 23, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**

The Proposed Well head bears  
 S16°12'51"W 1969.15' from the  
 Northeast Corner of Section 23.

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



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

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 10-4-05	DRAWN BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY  
FEDERAL #8-23-9-16  
SE/NE SECTION 23, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1915'
Green River	1915'
Wasatch	5810'

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

Green River Formation 1915' – 5810' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



NEWFIELD PRODUCTION COMPANY  
FEDERAL #8-23-9-16  
SE/NE SECTION 23, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #8-23-9-16 located in the SE 1/4 NE 1/4 Section 23, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 4.6 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 320'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 05-270, 9/7/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #8-23-9-16 Newfield Production Company requests 320' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 320' of disturbed area be granted in Lease UTU-15855 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 buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and June 30. If the nest remains inactive on June 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between June 30 and March 1 of the following year. If the nest site becomes active prior to June 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass                      *Agropyron Cristatum*                      12 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #8-23-9-16 was on-sited on 8/31/05. The following were present; Shon Mckinnon (Newfield Production) and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

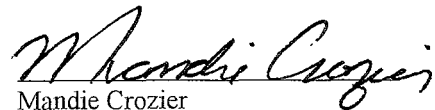
Name:                      Shon Mckinnon  
Address:                      Route #3 Box 3630  
                                    Myton, UT 84052  
Telephone:                      (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-23-9-16 SE/NE Section 23, Township 9S, Range 16E: Lease UTU-15855 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

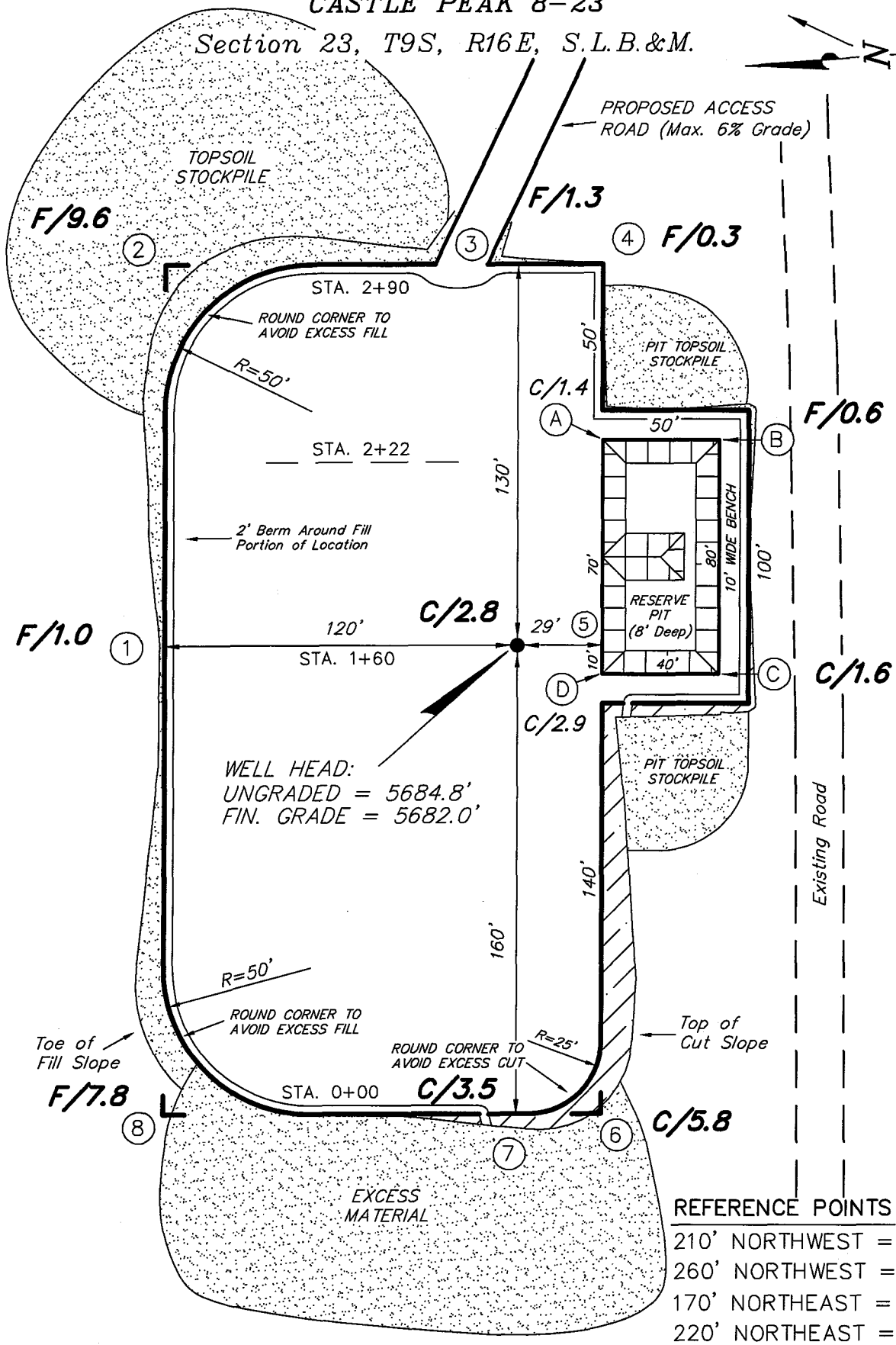
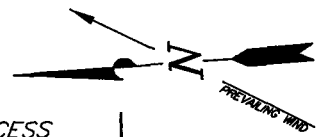
\_\_\_\_\_  
November 22, 2005  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

## CASTLE PEAK 8-23

Section 23, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5684.8'  
FIN. GRADE = 5682.0'

REFERENCE POINTS

210' NORTHWEST	= 5682.3'
260' NORTHWEST	= 5682.4'
170' NORTHEAST	= 5675.2'
220' NORTHEAST	= 5668.6'

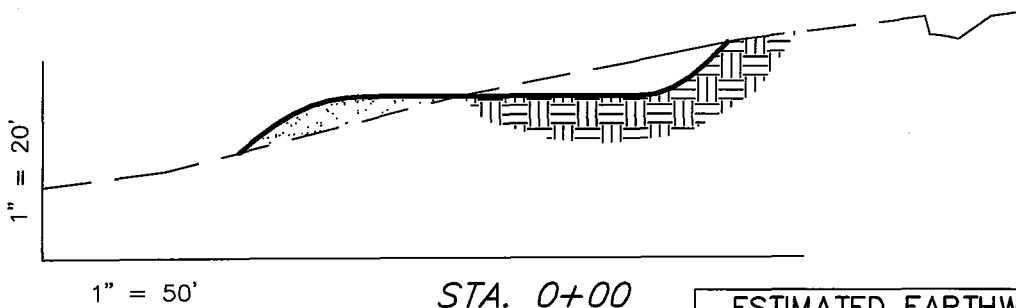
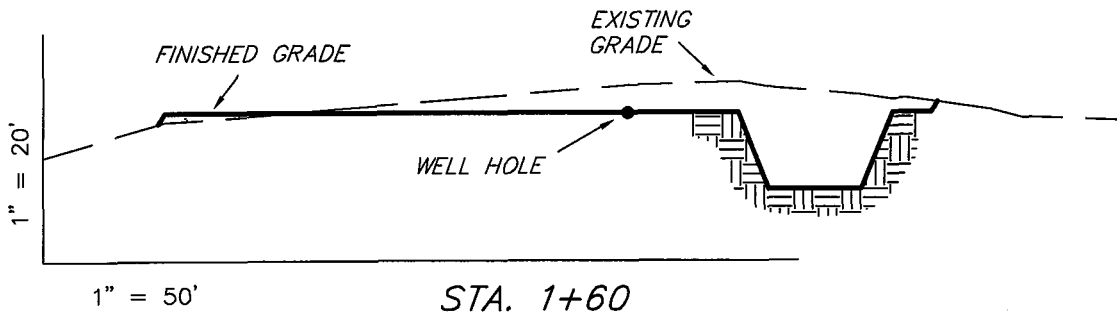
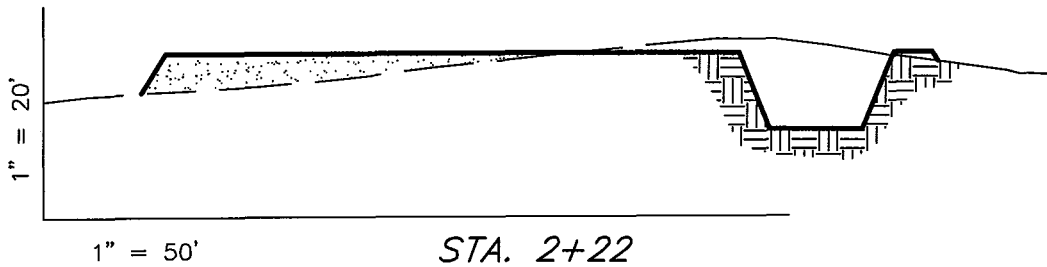
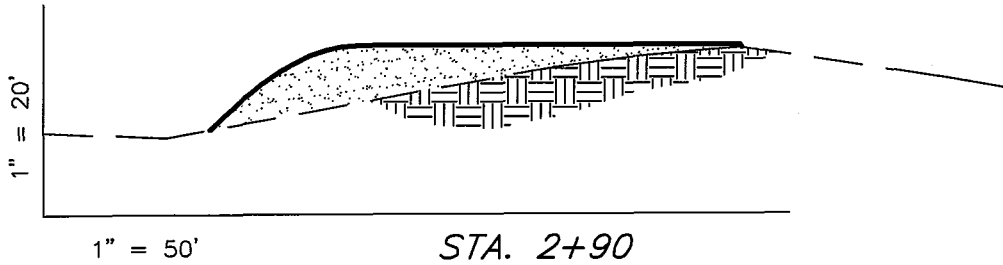
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 10-4-05

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### CASTLE PEAK 8-23



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	2,270	2,270	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,910	2,270	960	640

SURVEYED BY: D.P.

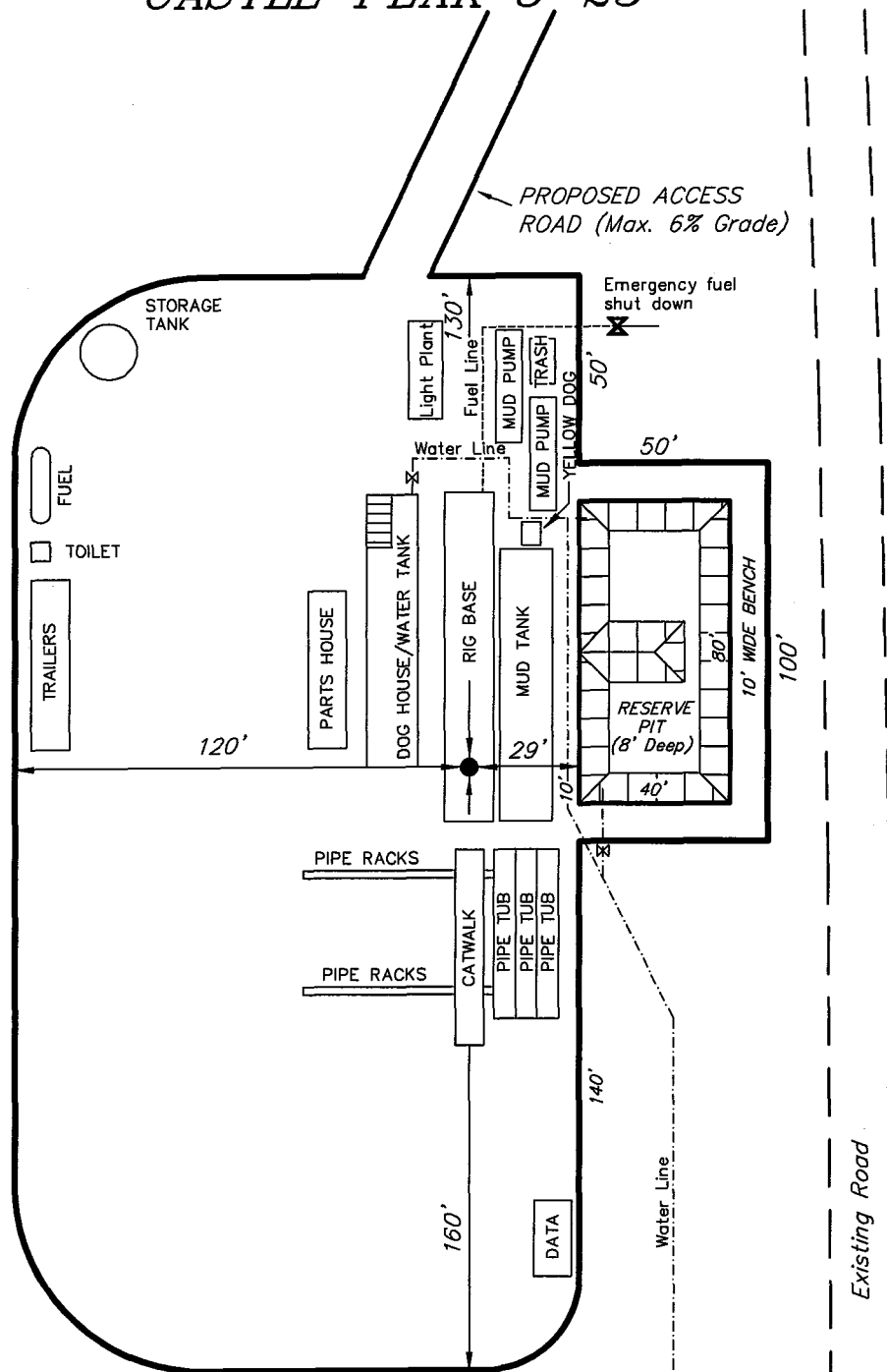
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-4-05

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

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**CASTLE PEAK 8-23**



SURVEYED BY: D.P.

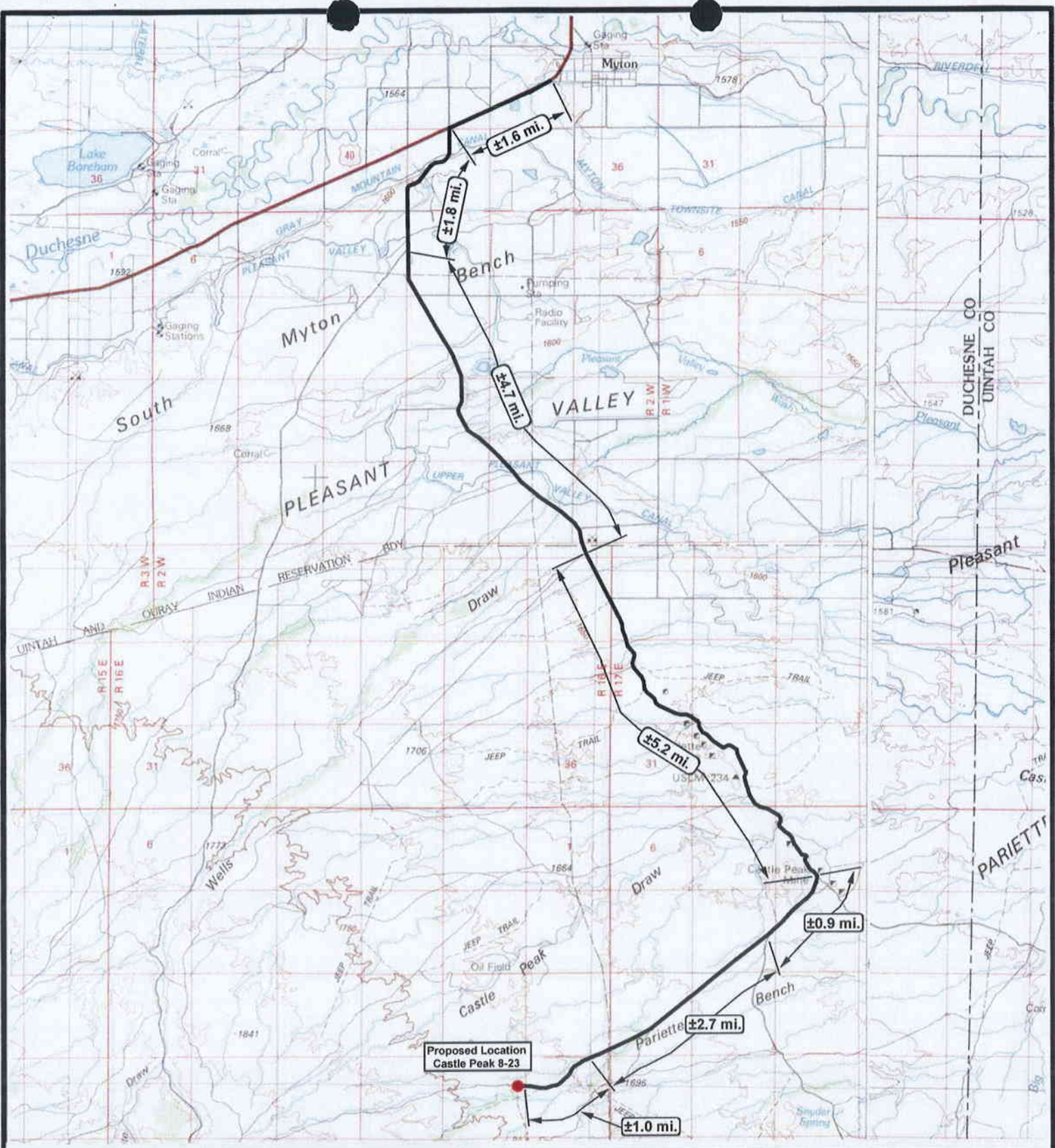
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-4-05

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





**NEWFIELD**  
Exploration Company

**Castle Peak 8-23-9-16**  
**SEC. 23, T9S, R16E, S.L.B.&M.**



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

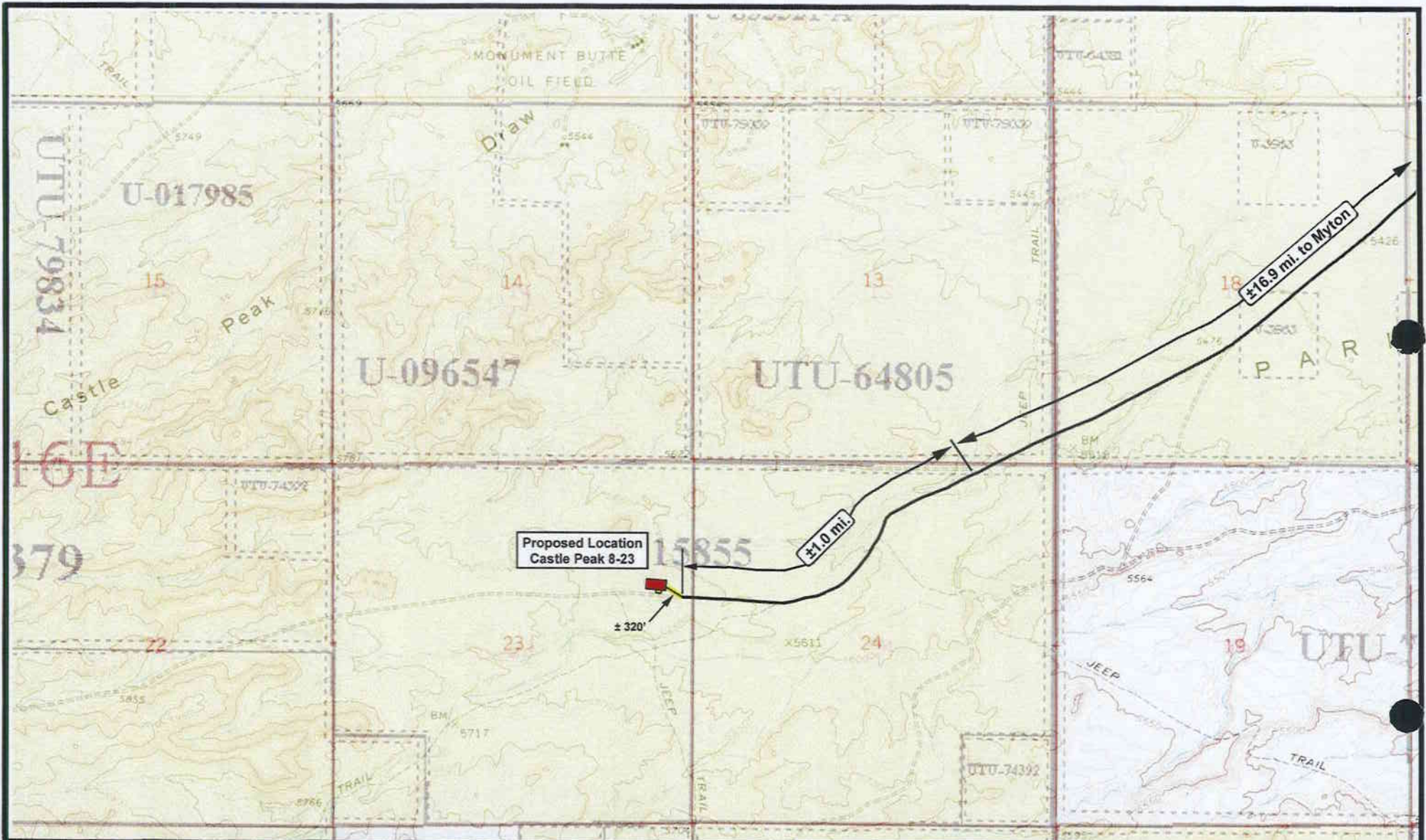
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 10-06-2005

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**








**NEWFIELD**  
 Exploration Company

**Castle Peak 8-23-9-16**  
**SEC. 23, T9S, R16E, S.L.B.&M.**

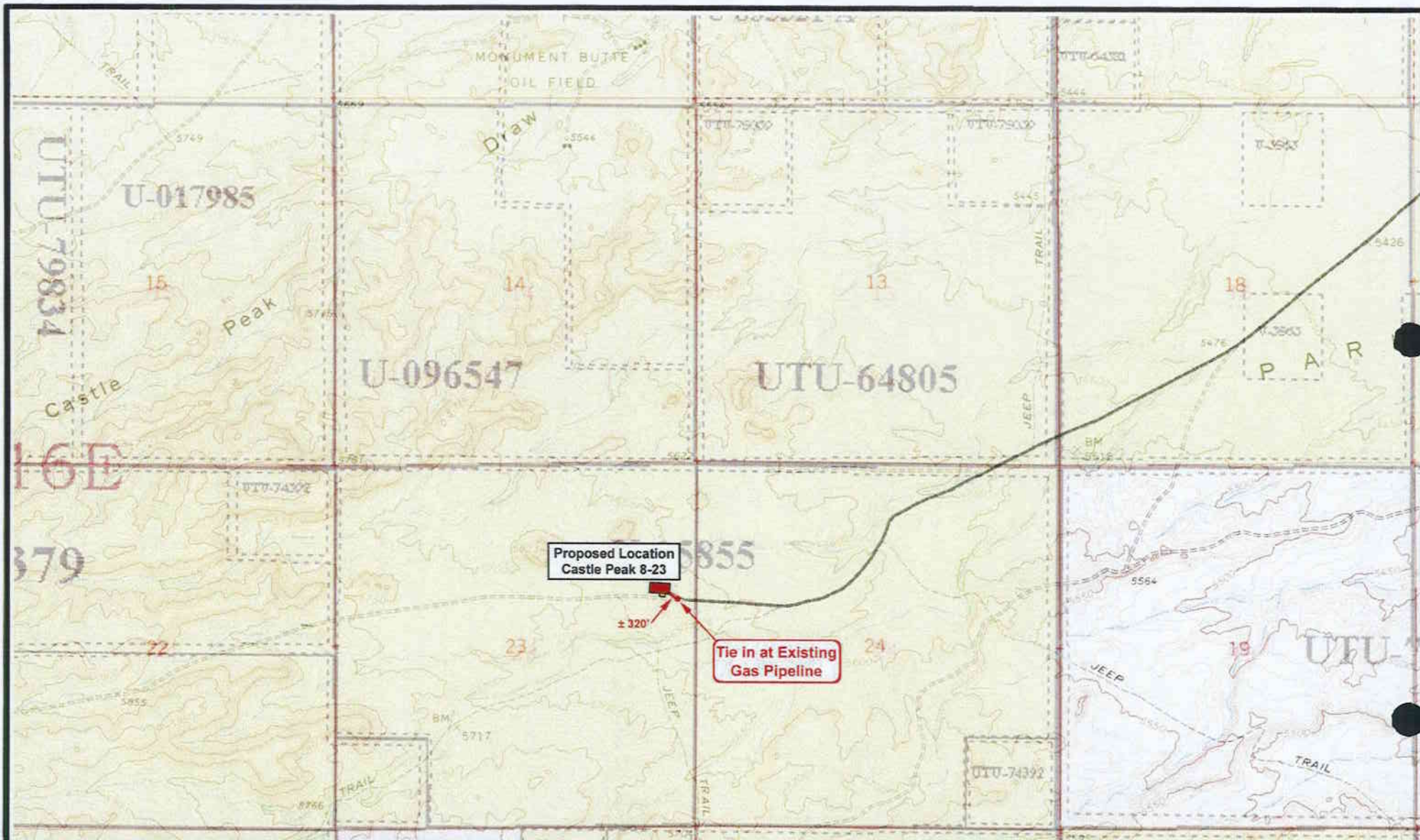

  
  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078  
 SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 10-06-2005

**Legend**  
 Existing Road  
 Proposed Access

**"B"**

UTU-11385  
 30





Proposed Location  
Castle Peak 8-23

± 320'

Tie in at Existing  
Gas Pipeline



**NEWFIELD**  
Exploration Company

**Castle Peak 8-23-9-16**  
**SEC. 23, T9S, R16E, 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: mw

DATE: 10-06-2005

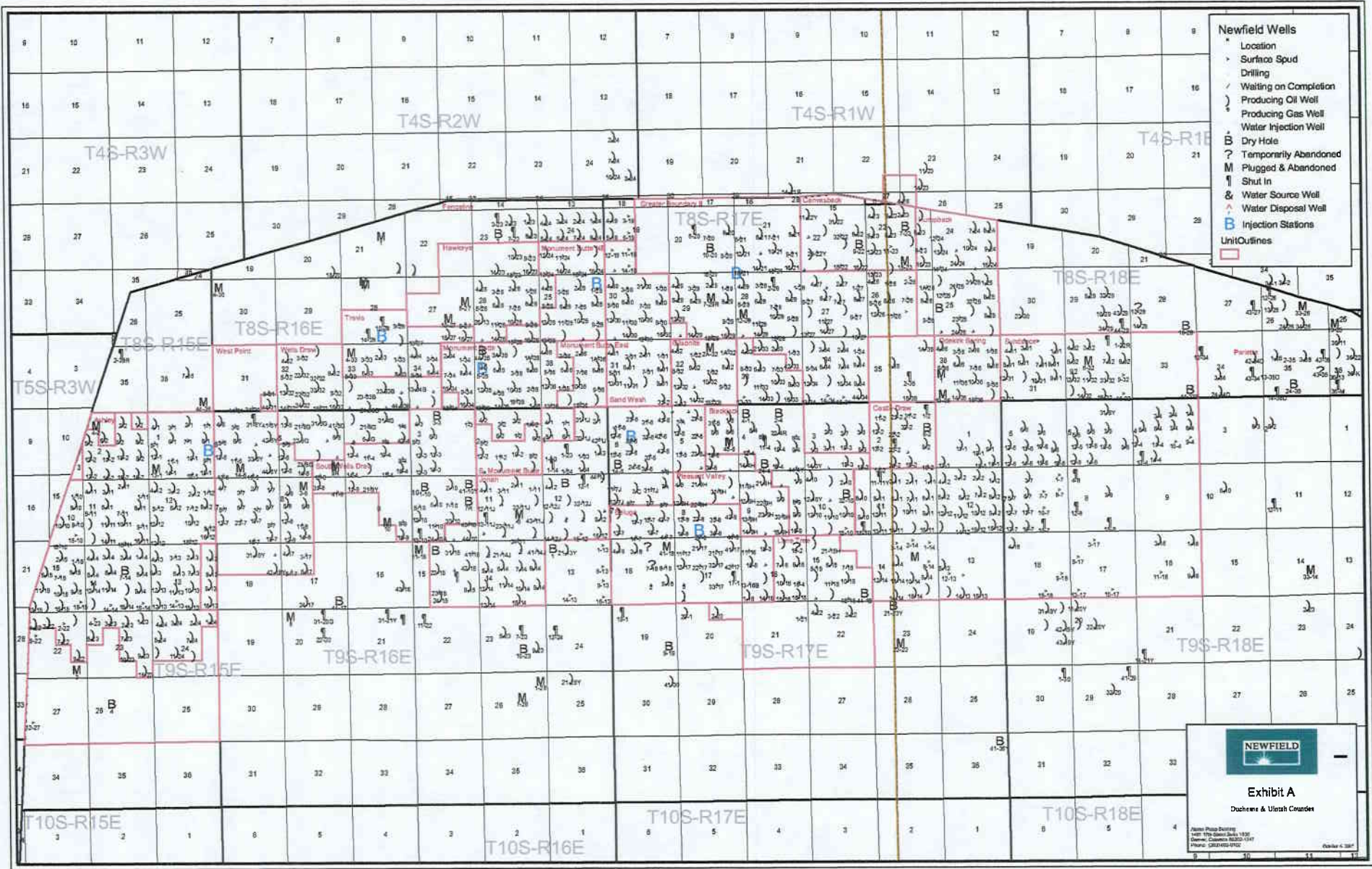
**Legend**

- Roads
- Proposed Gas Line

**"C"**

UTU-1138





- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection Stations
- Unit Outlines**
- [Red Outline]



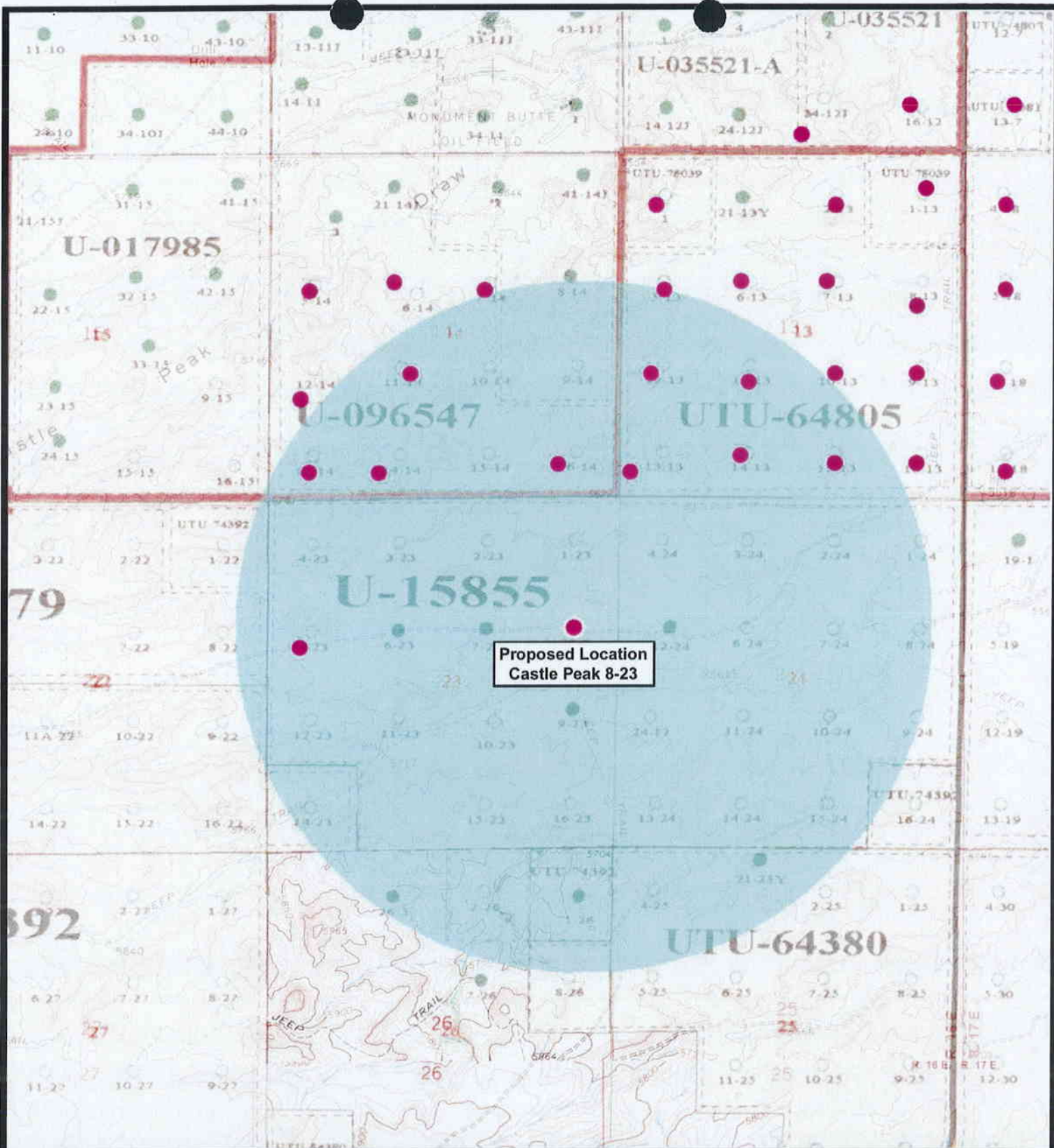
**Exhibit A**

Duchene & Ulsch Courtes


Also See Drawings  
 1001-1010, 1011-1020, 1021-1030, 1031-1040  
 1041-1050, 1051-1060, 1061-1070, 1071-1080  
 1081-1090, 1091-1100, 1101-1110, 1111-1120  
 1121-1130, 1131-1140, 1141-1150, 1151-1160  
 1161-1170, 1171-1180, 1181-1190, 1191-1200

Page 4 of 10





Proposed Location  
Castle Peak 8-23



**NEWFIELD**  
Exploration Company

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**Castle Peak 8-23-9-16**  
**SEC. 23, T9S, R16E, 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: mw  
DATE: 10-06-2005

**Legend**

- Well Locations
- One-Mile Radius

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**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

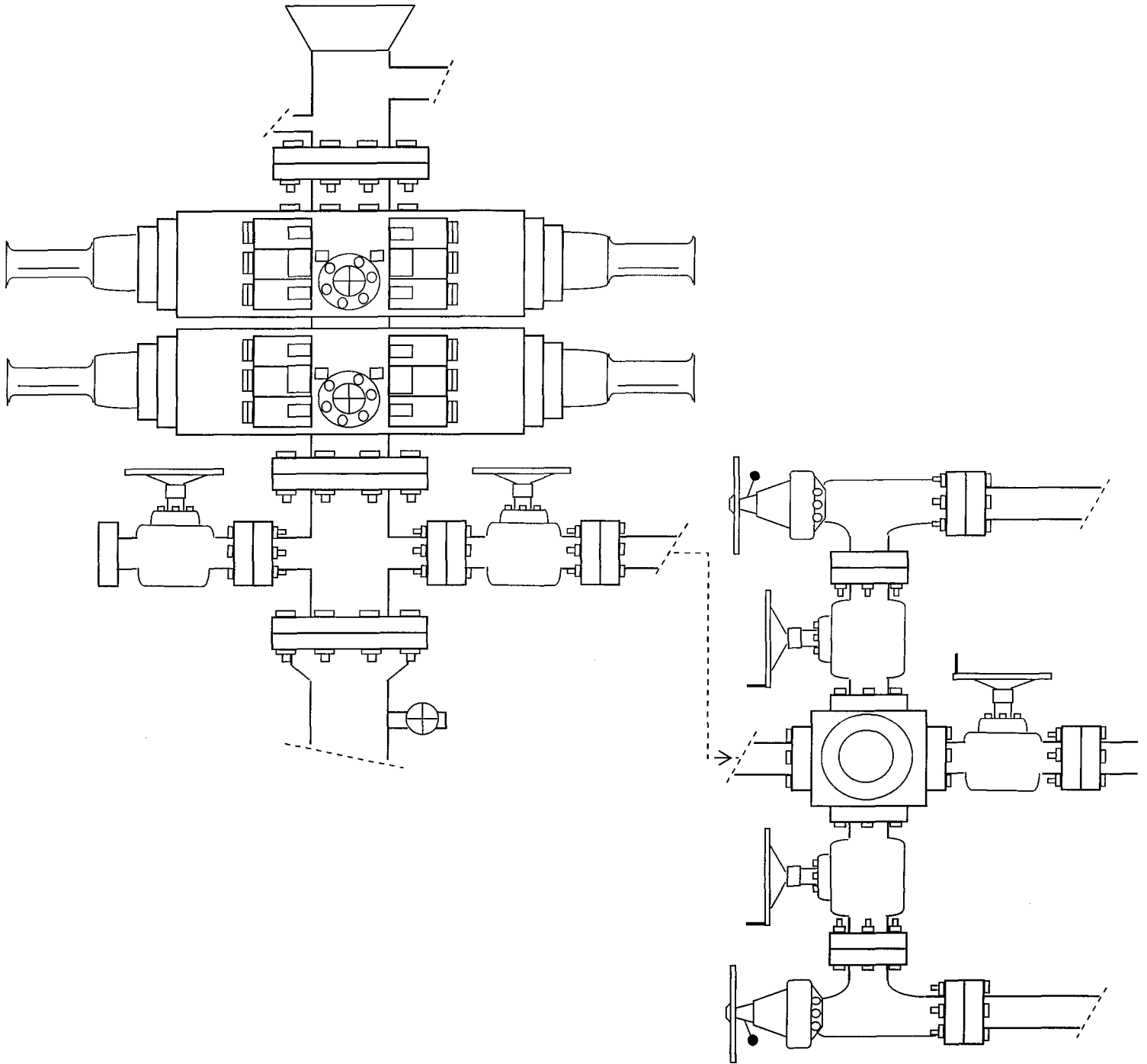


EXHIBIT C

Exhibit "D"

Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 23 and 24,  
DUCHESNE COUNTY, UTAH

By:

Andre' Jendresen  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Submitted By:

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

MOAC Report No. 05-270

September 7, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0831b

**NEWFIELD PRODUCTION COMPANY**

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

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8, 11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/23/2005

API NO. ASSIGNED: 43-013-32961

WELL NAME: FEDERAL 8-23-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 23 090S 160E  
 SURFACE: 1891 FNL 0535 FEL  
 BOTTOM: 1891 FNL 0535 FEL  
 DUCHESNE  
 MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-15855  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

LATITUDE: 40.01856  
 LONGITUDE: -110.0785

RECEIVED AND/OR REVIEWED:

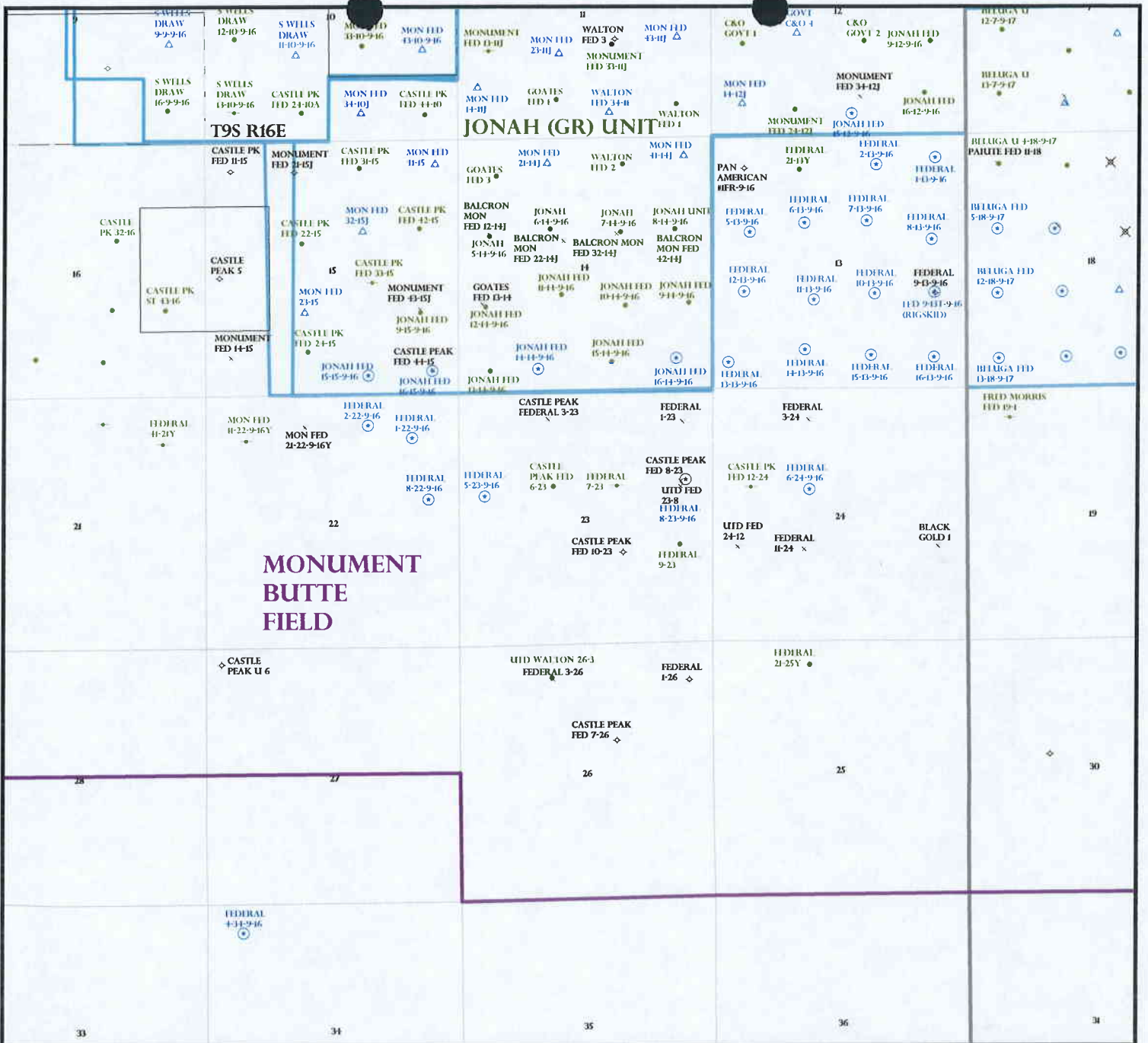
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: Sup, Separate file

STIPULATIONS: 1. Federal Approval  
2. Spacing S.K.P



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22,23,24 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

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

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

- Wells Status**
- \* GAS INJECTION
  - \* GAS STORAGE
  - x LOCATION ABANDONED
  - o NEW LOCATION
  - x PLUGGED & ABANDONED
  - \* PRODUCING GAS
  - \* PRODUCING OIL
  - \* SHUT-IN GAS
  - \* SHUT-IN OIL
  - x TEMP. ABANDONED
  - o TEST WELL
  - \* WATER INJECTION
  - \* WATER SUPPLY
  - \* WATER DISPOSAL
  - \* DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 29-NOVEMBER-2005





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 29, 2005

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

Re: Federal 8-23-9-16 Well, 1891' FNL, 535' FEL, SE NE, Sec. 23, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32961.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Federal 8-23-9-16

API Number: 43-013-32961

Lease: UTU-15855

Location: SE NE                      Sec. 23                      T. 9 South                      R. 16 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

RECEIVED

NOV 28 2005

Form 3160-3  
(September 2001)

BLM VERNAL, UTAH  
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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-15855
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 8-23-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1891' FNL 535' FEL At proposed prod. zone		9. API Well No. 43.013.32961
14. Distance in miles and direction from nearest town or post office* Approximatley 17.9 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1891' /l/ise, NA' /t/unit		11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 23, T9S R16E
16. No. of Acres in lease 1200.00		12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 40 Acres		13. State UT
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1526'		19. Proposed Depth 5810'
20. BLM/BIA Bond No. on file UT0056		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5685' GL
22. Approximate date work will start* 1st Quarter 2006		23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- 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 	Name (Printed/Typed) Mandie Crozier	Date 11/22/05
Title Regulatory Specialist		

Approved by (Signature) 	Name (Printed/Typed) JERRY KEENAN	Date 9-8-2006
Title Assistant Field Manager Lands & Mineral Resources		

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

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

\*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

SEP 15 2006

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East      VERNAL, UT 84078      (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company      **Location:** SENE, Sec 23, T9S, R16E  
**Well No:** Federal 8-23-9-16      **Lease No:** UTU-15855  
**API No:** 43-013- 32961      **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b> 435-781-4410	

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

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

**NOTIFICATION REQUIREMENTS**

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

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

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc., signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No drilling or surface disturbing activities are allowed 600' or less from live water.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- The reserve pit will be lined with a 16 ml or greater liner prior to spudding.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut 5 feet below ground or at the level of the cuttings, whichever is deeper and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- The well pad and access/pipeline require monitoring by a qualified Paleontologist prior to and during any surface disturbing activities.
- Prevent fill and stock piles from entering drainages.
- **CULTURAL AND PALEONTOLOGICAL RESOURCES** Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of

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

- The access road will be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- The boulders >3' found at the surface or above ground will be saved for final reclamation.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.

Interim Reclamation Seed Mix for location:

Galleta grass	<i>Hilaria jamesii</i>	6 lbs/acre
Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
	Per Live Seed Total	12 lbs/acre

- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture will be doubled and the area raked or chained to cover the seed.

## **DOWNHOLE CONDITIONS OF APPROVAL**

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

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

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



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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-15855**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 8-23-9-16**

9. API Well No.

**43-013-32961**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1891 FNL 535 FEL SE/NE Section 23, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 11/29/05 (expiration 11/29/06).

This APD is not yet due to expire with the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-30-06  
By: [Signature]

10-31-06  
[Signature]

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

10-27-2006

CC: UTAH DOGM

**RECEIVED**

(This space for Federal or State office use)

Approved by

**OCT 30 2006**

Title

Date

DIV. OF OIL, GAS & MINING

RESULT

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32961  
**Well Name:** Federal 8-23-9-16  
**Location:** SE/NE Section 23, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 11/29/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No  NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

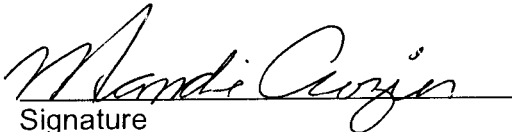
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

10/27/2006  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**OCT 30 2006**  
DIV. OF OIL, GAS & MINING

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
FEDERAL FIELD OFFICE  
2007 SEP 11 PM 1:22  
DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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UTU-15855

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FEDERAL 8-23-9-16

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11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

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

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

1891 FNL 535 FEL SE/NE Section 23, T9S R16E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Permit Extension  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 9/8/06 (expiration 9/8/07).

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

9/7/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

*Matt Baker*

Title

Petroleum Engineer

Date

SEP 14 2007

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

Title 18 U.S.C. Section 1001, makes 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.

OCT 03 2007

UDOGM

DIV. OF OIL, GAS & MINING

# CONDITIONS OF APPROVAL

## Newfield Production Co.

### Notice of Intent APD Extension

**Lease:** UTU-15855  
**Well:** Fed 8-23-9-16  
**Location:** SENE Sec23-T9S-R16E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 09/08/08
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UTU-15855**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**FEDERAL 8-23-9-16**

9. API Well No.  
**43-013-32961**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1891 FNL 535 FEL SE/NE Section 23, T9S R16E**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Permit Extension

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 11/29/05 (expiration 11/29/07).

This APD is not yet due to expire with the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 11-27-07  
By: [Signature]

RECEIVED  
NOV 21 2007  
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 11/28/2007  
Initials: [Signature]

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

11/20/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32961  
**Well Name:** Federal 8-23-9-16  
**Location:** SE/NE Section 23, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 11/29/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

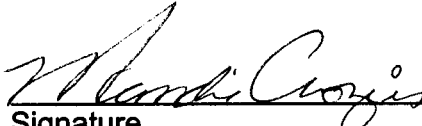
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

11/20/2007

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

**RECEIVED**  
**NOV 21 2007**  
**DIV. OF OIL, GAS & MINING**

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: Newfield Production Company

Well Name: Federal 8-23-9-16

API No: 43-013-32961 Lease Type: Federal

Section 23 Township 09S Range 16 E County Duchesne

Drilling Contractor NDSI #1 Rig # NS#1

### SPUDDED:

Date 12-13-07

Time 1:00 PM

How Dry

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

Reported by Don Bastian

Telephone # 435-823-6012

Date 12-17-07 Signed RM



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	RR			COUNTY
A	99999	16568	4310333002	FEDERAL 1-23-9-16	NENE	23	9S	16E	DUCHESNE	12/13/2007	12/31/07
WELL 1 COMMENTS: <i>GRUV</i>											
A	99999	16570	4301333004	FEDERAL 4-24-9-16	NWNW	24	9S	16E	DUCHESNE	12/12/2007	12/31/07
<i>GRUV</i>											
A	99999	16567	4301332961 4301332961	FEDERAL 8-23-9-16	SENE	23	9S	16E	DUCHESNE	12/13/2007	12/31/07
<i>GRUV</i>											
B	99999	12276	4301333520 430133520	<i>Wells Draw</i> FEDERAL H-5-9-16	NENW	5	9S	16E	DUCHESNE	12/14/2007	12/31/07
<i>GRUV</i>											
B	99999	12417	4301333309	<i>LONE TREE</i> FEDERAL 12-22-9-17	NWSW	22	9S	17E	DUCHESNE	12/17/2007	12/31/07
WELL 6 COMMENTS: <i>GRUV</i>											
WELL 8 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (split or split well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - PNT (explain in comments section)

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

*Tammi Lee*  
 Signature

Tammi Lee

Production Clerk

12/18/07

Date

RECEIVED  
 DEC 20 2007  
 DIVISION 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 (include are code)

435.646.3721

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

189 FNL 535 FEL

SENE Section 23 T9S R16E

5. Lease Serial No.

USA UTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

Federal 8-23-9-16

9. API Well No.

4301332961

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

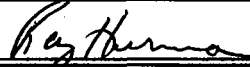
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths 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 12-13-07 MIRU NDSI spud rig #1. Drill 310' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 314.22'KB.  
On 12-19-07 Cement with 160 sks of Class "G" w/ 2% CaCl+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 4 bbls cement to pit.

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

Ray Herrera

Signature



Title

Drilling Foreman

Date

12/21/2007

**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

Office

Date

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**

JAN 09 2008

DIV. OF OIL, GAS & MINING

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

8 5/8 CASING SET AT 314.22

LAST CASING 8 5/8" SET AT 314.22  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal 8-23-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 35.54'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.37
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			304.22
TOTAL LENGTH OF STRING		304.22	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>314.22</b>
TOTAL		302.37	7				
TOTAL CSG. DEL. (W/O THRDS)		303.8	7	} COMPARE			
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	12/13/2007	1:00PM	GOOD CIRC THRU JOB			yes
CSG. IN HOLE		12/14/2007	11:30 AM	Bbls CMT CIRC TO SURFACE			4 BBLS
BEGIN CIRC		12/19/2007	3:43 pm	RECIPROCATED PIPE FOR			THRU _____ FT STROKE
BEGIN PUMP CMT		12/19/2007	3:57 PM				N/A
BEGIN DSPL. CMT		12/19/2007	4:15 PM	BUMPED PLUG TO			130 PSI
PLUG DOWN		12/19/2007	4:24 PM				
CEMENT USED		7 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 Ray Herrera

DATE 12/21/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

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

189 FNL 535 FEL

SENE Section 23 T9S R16E

5. Lease Serial No.

UTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

Federal 8-23-9-16

9. API Well No.

4301332961

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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 1/08/08 MIRU NDSI Rig # 3. 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 @ 283'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5810'. 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, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5797.92' KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 17 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 105,000 #'s tension. Release rig @ 12:30 AM on 1/22/08.

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

Jim Smith

Signature

Title

Drilling Foreman

Date

01/23/2008

**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

RECEIVED

(Instructions on reverse)

JAN 24 2008

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5797.92

Flt cllr @ 5742.26'

LAST CASING 8 5/8" SET @ 314.22

OPERATOR Newfield Production Company

DATUM 12

WELL Federal 8-23-9-16

DATUM TO CUT OFF CASING 12

FIELD/PROSPECT Monument Butte

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

CONTRACTOR & RIG # NDSI Rig # 3

TD DRILLER 5810' LOGGER 5803'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt @ 4009'/20.50'</b>					
<b>133</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5742.26
							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>	43.41
		<b>GUIDE shoe</b>			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5799.92
TOTAL LENGTH OF STRING		5799.92	134	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		477.24	11	CASING SET DEPTH			<b>5797.92</b>
TOTAL		6258.08	145	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6258.08	145				
<b>TIMING</b>		1ST STAGE	2nd STAGE				
BEGIN RUN:CSG.		1/21/2008	8:00 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		1/21/2008	12:00 PM	Bbls CMT CIRC TO SURFACE			17
BEGIN CIRC		1/21/2008	12:15 PM	RECIPROCATED PIPE FOR			THRU _____ FT STROKE
BEGIN PUMP CMT		1/21/2008	6:10 PM	DID BACK PRES. VALVE HOLD ?			YES
BEGIN DSPL. CMT		1/21/2008	7:15 PM	BUMPED PLUG TO			2180 PSI
PLUG DOWN		1/21/2008	7:35 PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>300</b>	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					
<b>2</b>	<b>400</b>	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 Jim Smith DATE 1/21/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
FEB 20 2008

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-drill an oil, gas & mining  
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    Routé 3 Box 3630  
                   Myton, UT 84052

3b. Phone    (include are code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 189 FNL 535 FEL  
 SENE Section 23 T9S R16E

5. Lease Serial No.  
 GUTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 Federal 8-23-9-16

9. API Well No.  
 4301332961

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	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

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

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 02/19/2008

**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)

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 189 FNL 535 FEL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 23, T9S, R16E STATE: UT

8. WELL NAME and NUMBER:  
Federal 8-23-9-16

9. API NUMBER:  
4301332961

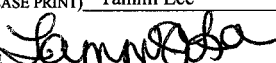
10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>02/18/2008</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above mentioned well went on production 2/18/08. See attached daily activity report.

NAME (PLEASE PRINT) Tammi Lee TITLE Production Clerk

SIGNATURE  DATE 02/29/2008

(This space for State use only)

**RECEIVED**  
**MAR 03 2008**  
DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****FEDERAL 8-23-9-16****12/1/2007 To 4/29/2008****2/7/2008 Day: 1****Completion**

Rigless on 2/6/2008 - 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 LLC WLT w/ mast & run CBL under pressure. WLTD @ 5705' & cement top @ 80'. Perforate stage #1. A3 sds @ 4939- 51', A1 sds @ 4885- 4902' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 116 shots. 137 BWTR. SIFN.

**2/13/2008 Day: 2****Completion**

Rigless on 2/12/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac A sds, stage #1 down casing w/ 135,331#'s of 20/40 sand in 1006 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing (took 45 bbls to load casing). Perfs broke down @ 1902 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 2046 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1143 bbls EWTR. ISIP was 2249. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' perf gun. Set plug @ 4820'. Perforate B1 sds @ 4725-33' w/ 3-1/8" Slick Guns ( 23 gram, .43"HE, 90° ) w/ 4 spf for total of 32 shots. RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 31,069#'s of 20/40 sand in 395 bbls of Lightning 17 frac fluid. Open well w/ 1090 psi on casing. Perfs broke down @ 2948 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1821 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1538 bbls EWTR. ISIP was 1943. Leave pressure on well. RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 4560'. Perforate D1 sds @ 4454-63' w/ 4 spf for total of 36 shots. RU BJ & frac stage #3 w/ 45,231#'s of 20/40 sand in 429 bbls of Lightning 17 frac fluid. Open well w/ 1580 psi on casing. Perfs broke down @ 2331 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1900 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1967 bbls EWTR. ISIP was 1971. Leave pressure on well. RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 4130'. Perforate GB6 sds @ 4015-24' w/ 4 spf for total of 36 shots. RU BJ & frac stage #4 w/ 39,181#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 1712 psi on casing. Perfs broke down @ 3410 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1813 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. 2370 bbls EWTR. ISIP was 1702. RD BJ & WLT. Flow well back. Well flowed for 4 hours & died w/ 300 bbls rec'd. SIFN.

**2/14/2008 Day: 3****Completion**

Western #4 on 2/13/2008 - MIRUSU. Thaw well out. Open well w/ 220 psi on casing. RD Cameron BOP's & 5K frac head. Instal 3K production tbg head & Schaefer BOP's. RU 4-3/4" Chomp bit (new) & bit sub. Tally & pickup of trailer (used) J-55, 6.5#, 2-7/8" tbg. TIH w/ 128 jts to tag fill @ 4035'. C/O to plug @ 4130'. RU swivel, pump & tanks. Drlg out plug #1. TIH w/ tbg to tag fill @ 4488'. C/O sand to plug @ 4560'. Drlg out plug #2. TIH w/ tbg to tag plug @ 4820'. Drlg out plug #3. TIH w/ tbg to tag sand @ 5577'. C/O to PBTD @ 5738'. SIFN.

**2/15/2008 Day: 4****Completion**

Western #4 on 2/14/2008 - MIRUSU. Thaw well out. Open well w/ vacuum psi on casing. RU swab equipment. IFL was 450'. Made 4 runs to rec's 45 bbls fluid. FFL was 800'. SIFN.

**2/16/2008 Day: 5****Completion**

Western #4 on 2/15/2008 - MIRUSU. Thaw well out. Open well w/ vacuum psi on casing. RU swab equipment. IFL was 900'. Made 16 runs to rec'd 140 bbls fluid. FFL was 2300' w/ last run shows no sand & trace of oil. RD swab. TIH w/ tbg to tag 5' of new sand. Circulate well clean to PBTD @



5738'. TOOH w/ tbg. LD bit & bit sub. TIH w/ production string, NC, 2 jts tbg, SN, 2 jts tbg, TA (new) CDI w/ 45,000# shear, 155 jts tbg. RD BOP's. Set TA @ 4907' in 16,000#'s tension w/ SN @ 4775' & EOT @ 5040'. Flush tbg w/ 60 bbls water. Well drinking water. SIFN.

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2/19/2008 Day: 6

Completion

Western #4 on 2/18/2008 - Tbg on vacuum. PU & prime up CDI rod pump. PU & RIH w/ "B" grade rods as follows: CDI 2 1/2" X 1 1/2" X 15' RHAC, 6- 1 1/2" wt bars, 20- 3/4" guided rods, 72- 3/4" plain rods, 100- 3/4" guided rods, 1- 2', 1- 8' X 3/4" pony rods, 1 1/2" X 22' polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr. Stroke test w/ unit to 800 psi. RDMOSU. POP @ 2:00 PM w/ 86" SL @ 5 SPM. 2076 BWTR. FINAL REPORT!!!

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Pertinent Files: [Go to File List](#)

(See other instructions on reverse side)

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

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-15855**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NA**

7. UNIT AGREEMENT NAME  
**CASTLE PEAK**

8. FARM OR LEASE NAME, WELL NO.  
**FEDERAL 8-23-9-16**

9. WELL NO.  
**43-013-32961**

10. FIELD AND POOL OR WILDCAT  
**MONUMENT BUTTE**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC 23, T9S, R16E**

12. COUNTY OR PARISH  
**DUCHESNE**

13. STATE  
**UT**

1a. TYPE OF WORK  
OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
**Newfield Exploration Company**

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. \*)  
At Surface **1891' FNL & 535' FEL SENE**  
At top prod. Interval reported below

14. API NO. **43-013-32961** DATE ISSUED **11/29/07**

15. DATE SPUNDED **12/13/07** 16. DATE T.D. REACHED **1/20/08** 17. DATE COMPL. (Ready to prod.) **2/18/08** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5685' GL 5697' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5810'** 21. PLUG BACK T.D., MD & TVD **5738'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**GREEN RIVER 4015'-4951'**

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**

23. 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#	314.22'	12 1/4	To surface w/ 160 sx of class "G" cement	
5-1/2" J-55	15.5#	5797.92'	7 7/8	300sx of Primlite II & 400 sx of 50/50 poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5040'	TA @ 4907'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

A3 sds 4939'-4951', A1 sds 4885'-4902'	.49"	4/116	4902'-4939'	Frac w/135331#s of 20/40 sand in 1006 bbls of fluid
B1 sds 4725'-4733'	.49"	4/32	4725'-4733'	Frac w/ 31069#s of 20/40 sand in 395 bbls of fluid
D1 sds 4454'-4463'	.49"	4/36	4454'-4463'	Frac w/ 45231 #s of 20/40 sand in 429 bbls of fluid
GB6 sds 4015'-4024'	.49"	4/36	4015'-4024'	Frac w/39181 #s of 20/40 sand in 403 bbls of fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION **2/18/08** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **CDI 2 1/2" X 1 1/2" X 15' RHAC pump w/plunger** WELL STATUS (Producing or shut-in) **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			----->	467	403	446	439

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.) **Used for Fuel** TEST WITNESSED BY **MAR 10 2008**

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 Tammi Lee TITLE **Production Technician** DATE **2/8/2008**

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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 8-23-9-16			
				Garden Gulch Mkr	3450'	
				Garden Gulch 1	3657'	
				Garden Gulch 2	3771'	
				Point 3 Mkr	4033'	
				X Mkr	4280'	
				Y-Mkr	4314'	
				Douglas Creek Mkr	4435'	
				BiCarbonate Mkr	4668'	
				B Limestone Mkr	4776'	
				Castle Peak	5269'	
				Basal Carbonate	5722'	
				Wasatch	0	
				Total Depth (Loggers)	5803'	

# NEWFIELD



Well Name: Federal 8-23-9-16  
 LOCATION: S23, T9S, R16E  
 COUNTY/STATE: Duchesne  
 API: 43-013-32961

Spud Date: 12-13-07  
 TD: 5810'  
 CSG: 1-21-08  
 POP: 2-18-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
2/18/2008				2070				POP @ 2:00 P.M. w/ 86" SL @ 5 SPM. 2070 Total water to recover
2/19/2008	15	25	10	2060	0	90	5 3/4	
2/20/2008	24	32	75	1985	0	70	4 1/2	
2/21/2008	24	42	23	1962	0	55	4 1/2	
2/22/2008	24	2	0	1962	0	70	4 1/2	
2/23/2008	24	22	5	1957	0	65	4 1/2	
2/24/2008	24	50	37	1920	0	60	4 1/2	
2/25/2008	24	57	45	1875	0	90	4 1/2	
2/26/2008	24	22	93	1782	36	55	4 1/2	
2/27/2008	24	25	80	1702	36	55	4 1/2	
2/28/2008	24	68	30	1672	25	50	6	
2/29/2008	24	65	26	1646	35	65	5 3/4	
3/1/2008	24	60	0	1646	38	20	5 3/4	
3/2/2008	24	2	95	1551	35	55	5 3/4	
3/3/2008	24	50	0	1551	48	70	5 3/4	
3/4/2008	24	61	18	1533	50	60	5 3/4	
3/5/2008	24	66	72	1461	47	70	4 1/2	
3/6/2008	24	48	32	1429	53	80	4 1/2	
3/7/2008				1429				
3/8/2008				1429				
3/9/2008				1429				
3/10/2008				1429				
3/11/2008				1429				
3/12/2008				1429				
3/13/2008				1429				
3/14/2008				1429				
3/15/2008				1429				
3/16/2008				1429				
3/17/2008				1429				
3/18/2008				1429				
3/19/2008				1429				
3/20/2008				1429				
		<b>697</b>	<b>641</b>		<b>403</b>			

Sundry Number: 49334 API Well Number: 43013329610000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855																														
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:																														
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)																														
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 8-23-9-16																														
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013329610000																														
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		PHONE NUMBER: 435 646-4825 Ext																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1891 FNL 0535 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE																														
		COUNTY: DUCHEсне																														
		STATE: UTAH																														
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/21/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION  <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<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"/>
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<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 10:00 AM on 03/21/2014.																																
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician																														
SIGNATURE N/A	DATE 3/31/2014																															

RECEIVED: Mar. 31, 2014

Sundry Number: 48685 API Well Number: 43013329610000

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: UTU-15855	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 8-23-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013329610000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1891 FNL 0535 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/25/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  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 02/24/2014. On 02/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/25/2014 the casing was pressured up to 1397 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/11/2014	

RECEIVED: Mar. 11, 2014

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date: 2/25/14 Time: 8:15 am pm

Test Conducted by: Everett Unruh

Others Present: \_\_\_\_\_

Well:	Federal 8-23-9-16	Field:	Monument Butte
Well Location:	SENE Sec 23 T9S R16E Duchesne County, UT	API No:	43-013-32961

Time	Casing Pressure
0 min	<u>1393</u> psig
5	<u>1395</u> psig
10	<u>1396</u> psig
15	<u>1396</u> psig
20	<u>1396</u> psig
25	<u>1396</u> psig
30 min	<u>1397</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 450 psig

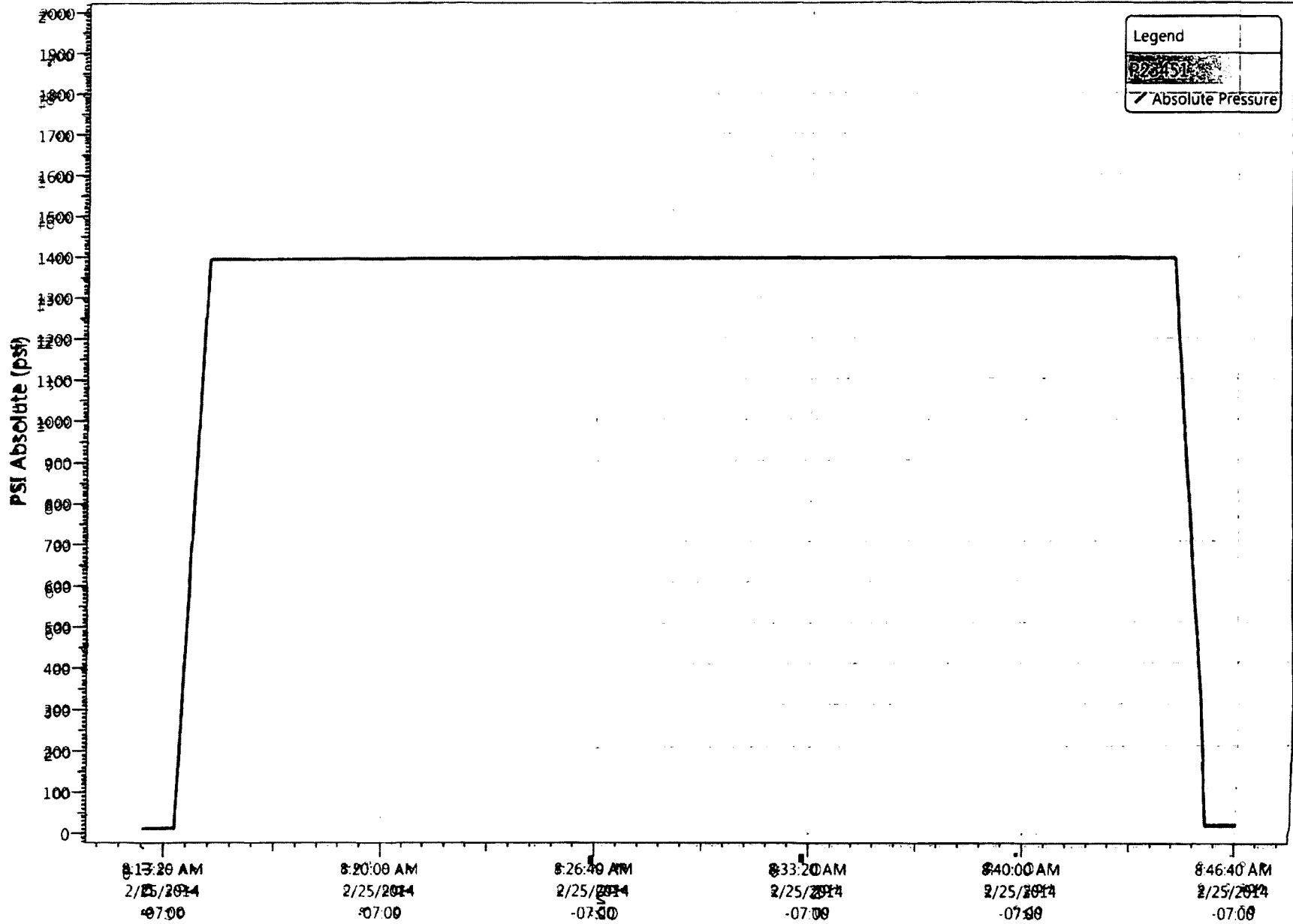
Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh

Federal 8-23-9-16

2/25/2014 8:11:27 AM





# NEWFIELD



## Job Detail Summary Report

Well Name: Federal 8-23-9-16

Jobs		Job Start Date	Job End Date
Primary Job Type	Conversion	2/14/2014	

### Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
2/14/2014	2/14/2014	RU RIG UNHANG HORSE HEAD AND RODS. UNSEAT PUMP AND FLUSH RODS. POOH W/ RODS. ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR
Start Time	05:30	End Time 07:00 Comment TRAVEL TIME
Start Time	07:00	End Time 08:00 Comment RU RIG. PUMP DOWN CSG WITH 50 BBLs WATER @ 250 F
Start Time	08:00	End Time 08:30 Comment UNHANG RODS AND HORSES HEAD.
Start Time	08:30	End Time 09:00 Comment UNSEAT PUMP AND FLUSH RODS WITH 40 BBLs WATER @ 250 F
Start Time	09:00	End Time 09:15 Comment SOFT SEAT AND TEST TBG TO 3000 PSI. GOOD TEST
Start Time	09:15	End Time 12:30 Comment POOH WITH RODS LAYING DOWN ON TRAILER, HAD TO FLUSH RODS 2 TIMES ON WAY OUT OF WELL.
Start Time	12:30	End Time 13:30 Comment ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR.
Start Time	13:30	End Time 17:45 Comment POOH WITH 123 JNTS TBG BREAKING EVERY CONNECTION, CLEANING THREADS AND INSPECTING THEM FOR DAMAGE OR GAULDING, APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT.
Start Time	17:45	End Time 18:00 Comment SWIFN, CLEAN LOCATION, SDFN.
Start Time	18:00	End Time 19:30 Comment TRAVEL TIME
Report Start Date	Report End Date	24hr Activity Summary
2/18/2014	2/18/2014	CHECK TBG AND CSG PRESSURES, TBG 120 PSI, CSG 120 PSI, BD WELL, POOH WITH 35 JNTS EXCESS TBG LD ON TRAILER. PU/MU PACKER ASSY, TIH WITH PACKER ASSY AND 124 JNTS TBG
Start Time	05:30	End Time 07:00 Comment TRAVEL TIME
Start Time	07:00	End Time 09:30 Comment CHECK TBG AND CSG PRESSURES, TBG 120 PSI, CSG 120 PSI, BD WELL, POOH WITH 35 JNTS EXCESS TBG LD ON TRAILER. HAD THE TAC HANG UP ON THE WAY OUT IN THE WELL HEAD, HAD TO BEAT ON THE TBG AND FINALLY GOT IT TO FREE UP AND POOH BUSTED ALL DRAG PLATES OFF OF THE TAC IN THE PROCESS OF GETTING IT FREE.
Start Time	09:30	End Time 10:15 Comment PUMP 50 BBLs DOWN CSG @ 250 F TO FLUSH DRAG PLATES DOWN WELLBORE.
Start Time	10:15	End Time 11:30 Comment PU/MU PACKER ASSY, TIH WITH PACKER ASSY AND 124 JNTS TBG.
Start Time	11:30	End Time 14:30 Comment PUMP 10 BBLs PAD AND DROP S.V. PUMP TO PSN, PRESSURE UP TO 3000 PSI, HAD TO BUMP UP NUMEROUS TIMES, LOST 400 PSI IN 30 MINUTES CONSISTANTLY. BAD TEST
Start Time	14:30	End Time 15:15 Comment RU SANDLINE AND TOOLS, RIH TO CATCH S.V. POOH WITH TOOLS, RD SANDLINE.
Start Time	15:15	End Time 17:00 Comment PUMP 20 BBLs FLUSH AND DROP NEW S.V. PUMP TO PSN AND PT TBG TO 3000 PSI, BAD TESTS UNTIL 5 PM. BUMP UP AND LEAVE FOR THE NIGHT SWIFN, CLEAN LOCATION, SDFN
Start Time	17:00	End Time 18:30 Comment TRAVEL TIME



**Job Detail Summary Report**

**Well Name: Federal 8-23-9-16**

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Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
2/19/2014	2/19/2014	POOH WITH 107 JNTS TBG AND FOUND H.I.T. IN JNT # 107. LD 5 JNTS TBG (2 ABOVE, 2 BELOW AND HIT JNT) AND PT TBG TO 4000 PSI, GOOD TEST. RD WORK FLOOR, ND BOP, LAND TBG, NU WH.	
Start Time	05:30	End Time	07:00
			Comment TRAVEL TIME
Start Time	07:00	End Time	07:30
			Comment THAW OUT TBG WITH HOT OILER, CHECK PRESSURES, TBG 300 PSI, CSG 120 PSI, BD CSG OPEN BOP
Start Time	07:30	End Time	08:00
			Comment BUMP UP TBG TO 3050 PSI AND LOST ALL TBG PRESSURE IN 2 MINUTES, PUMP 10 BBLs AND TBG WENT ON A VACUUM, THOUGHT TO HAVE A H.I.T
Start Time	08:00	End Time	09:30
			Comment POOH WITH 107 JNTS TBG AND FOUND H.I.T. IN JNT # 107 LD 5 JNTS TBG (2 ABOVE, 2 BELOW AND HIT JNT) AND PT TBG TO 4000 PSI, GOOD TEST
Start Time	09:30	End Time	10:45
			Comment TIH WITH 5 JNTS TBG AND PT TBG TO 4000 PSI, GOOD TEST, TIH WITH 50 JNTS TBG AND PT TBG TO 4000 PSI, GOOD TEST, TIH WITH REST OF TBG AND PUMP UP TBG TO 3000 PSI.
Start Time	10:45	End Time	15:30
			Comment PT TBG TO 3000 PSI, HAD TO BUMP UP AND RETEST NUMEROUS TIMES, FINALLY GOT A GOOD TBG TEST 100% FOR 30 MINUTES.
Start Time	15:30	End Time	16:00
			Comment RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH AND RD SANDLINE AND TOOLS
Start Time	16:00	End Time	16:30
			Comment RD WORK FLOOR, ND BOP, LAND TBG, NU WH
Start Time	16:30	End Time	17:00
			Comment PUMP 50 BBLs PACKER FLUID DOWN CSG.
Start Time	17:00	End Time	17:15
			Comment ND WH, SET PACKER AND PACK OFF LAND TBG IN 15K TENSION, NU WH
Start Time	17:15	End Time	17:30
			Comment LOAD CSG WITH 40 BBLs AND PT CSG TO 1400 PSI FOR THE NIGHT. SWIFN, CLEAN LOCATION, SDFN
Start Time	17:30	End Time	19:00
			Comment TRAVEL TIME
Report Start Date	Report End Date	24hr Activity Summary	
2/20/2014	2/20/2014	CHECK CSG PRESSURE, HAD TO RETEST, NEVER GOT A GOOD TEST, BUMP UP AND LEAVE FOR THE NIGHT	
Start Time	05:30	End Time	07:00
			Comment TRAVEL TIME
Start Time	07:00	End Time	08:00
			Comment HOT OILER BROKE DOWN FOR A MINUTE, HELP HOT OILER TO GET FIXED AND LOADED, HAD TO THAW OUT WH.
Start Time	08:00	End Time	11:15
			Comment CHECK CSG PRESSURE, 650 PSI, BUMP UP AND START CSG PT TIMER HAD TO BUMP UP AND RETEST, NEVER GOT A GOOD CSG TEST BUMP UP AND LEAVE FOR THE NIGHT.
Start Time	11:15	End Time	12:00
			Comment SWIFN, CLEAN LOCATION, SDFN. TRAVEL TO THE SAFETY STAND DOWN AND ROD HANDLING CLASS.
Start Time	12:00	End Time	16:00
			Comment SAFETY STAND DOWN AND ROD HANDLING CLASS
Start Time	16:00	End Time	17:30
			Comment TRAVEL TIME



**Job Detail Summary Report**

**Well Name: Federal 8-23-9-16**

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**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
2/21/2014	2/21/2014	CHECK CSG PRESSURE, 1130 PSI, BUMP CSG UP AND START TIMER ON CSG TEST FAILED TEST AFTER FAILED TEST, FINALLY GOT A GOOD CSG TEST BUT FOUND A VISUAL LEAK ON THE SCREW ON WH FLANGE
Start Time	End Time	Comment
05:30	07:00	TRAVEL TIME
Start Time	End Time	Comment
07:00	10:30	CHECK CSG PRESSURE, 1130 PSI, BUMP CSG UP AND START TIMER ON CSG TEST. FAILED TEST AFTER FAILED TEST, FINALLY GOT A GOOD CSG TEST BUT FOUND A VISUAL LEAK ON THE SCREW ON WH FLANGE, BD PRESSURE, ND WH, TIGHTEN WH FLANGE, NU WH, PT CSG AGAIN AND STILL LEAKING FROM SCREW ON FLANGE.
Start Time	End Time	Comment
10:30	11:30	BD PRESSURE, ND WH, UNSCREW WH FLANGE, CLEAN THREADS AND APPLY LIQUID O RING DOPE, TIGHTEN BACK UP AND NU WH. LOAD CSG AND PRESSURE UP TO 1400 PSI.
Start Time	End Time	Comment
11:30	14:15	PT CSG TO 1400 PSI AND FAILED TESTS, HAD TO BUMP UP AND RETEST NUMEROUS TIMES, FINALLY GOT A GOOD CSG TEST
Start Time	End Time	Comment
14:15	15:30	RD RIG, RACK OUT WINCH TRUCK AND TOOLS, PREP TO MOVE RIG, CLEAN LOCATION
Start Time	End Time	Comment
15:30	16:30	MOVE RIG TO THE 3-21-9-17 AND SPOT IN, PREP TO RU RIG, TOO WINDY TO RU RIG, SDFN.
Start Time	End Time	Comment
16:30	18:00	TRAVEL TIME
Report Start Date	Report End Date	24hr Activity Summary
2/25/2014	2/25/2014	Conduct initial MIT
Start Time	End Time	Comment
08:15	08:45	On 02/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/25/2014 the casing was pressured up to 1397 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.

**Well Name: Federal 8-23-9-16**

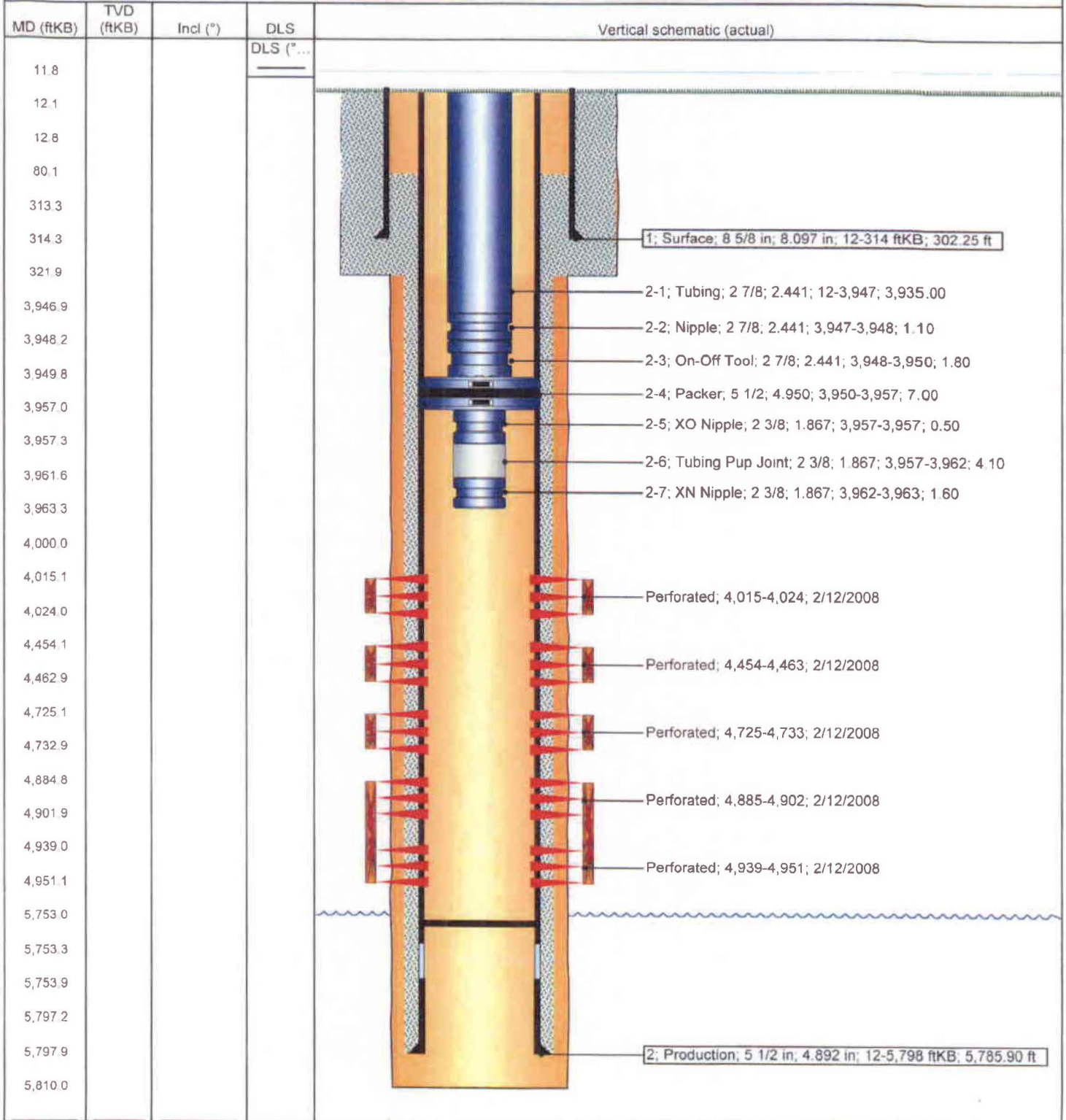
Surface Legal Location 23-9S-16E		API/UWI 43013329610000	Well RC 500159250	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 2/14/2008	Original KB Elevation (ft) 5,697	Ground Elevation (ft) 5,685	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,753.0	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 2/14/2014	Job End Date 2/25/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

**TD: 5,810.0**

Vertical - Original Hole, 9/9/2014 9:42:28 AM



# NEWFIELD



## Newfield Wellbore Diagram Data Federal 8-23-9-16

Surface Legal Location 23-9S-16E		API/UWI 43013329610000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 12/13/2007		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,697		Ground Elevation (ft) 5,685		Total Depth (ftKB) 5,810.0	
				Total Depth All (TVD) (ftKB) PBTD (A#) (ftKB) Original Hole - 5,753.0	

Casing Strings						
Csg Des	Run Date	OD (in)	ID (in)	W/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	12/13/2007	8 5/8	8.097	24.00	J-55	314
Production	1/21/2008	5 1/2	4.950	15.50	J-55	5,798

Cement				
String: Surface, 314ftKB 12/19/2007				
Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	12.0	314.2		
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
	Lead	160	G	12.0

String: Production, 5,798ftKB 1/21/2008				
Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	80.0	4,000.0		
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Premite II w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/koiseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield	Lead	300	PL II	80.0

String: Production, 5,798ftKB 1/21/2008				
Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	4,000.0	5,797.9		
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
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	Tail	400	50/50 Poz	4,000.0

Tubing Strings								
Tubing Description				Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)
Tubing	124	2 7/8	2.441	6.50	J-55	3,935.00	12.0	3,947.0
Nipple		2 7/8	2.441			1.10	3,947.0	3,948.1
On-Off Tool		2 7/8	2.441			1.80	3,948.1	3,949.9
Packer		5 1/2	4.950			7.00	3,949.9	3,956.9
XO Nipple		2 3/8	1.867			0.50	3,956.9	3,957.4
Tubing Pup Joint		2 3/8	1.867			4.10	3,957.4	3,961.5
XN Nipple		2 3/8	1.867			1.60	3,961.5	3,963.1

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

Other In Hole				
Des	Top (ftKB)	Blm (ftKB)	Run Date	Pull Date

Perforation Intervals							
Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
3	GB6, Original Hole	4,015	4,024	4	120		2/12/2008
3	D1, Original Hole	4,454	4,463	4	120		2/12/2008
2	B1, Original Hole	4,725	4,733	4	120		2/12/2008
1	A1, Original Hole	4,885	4,902	4	120		2/12/2008
1	A3, Original Hole	4,939	4,951	4	120		2/12/2008

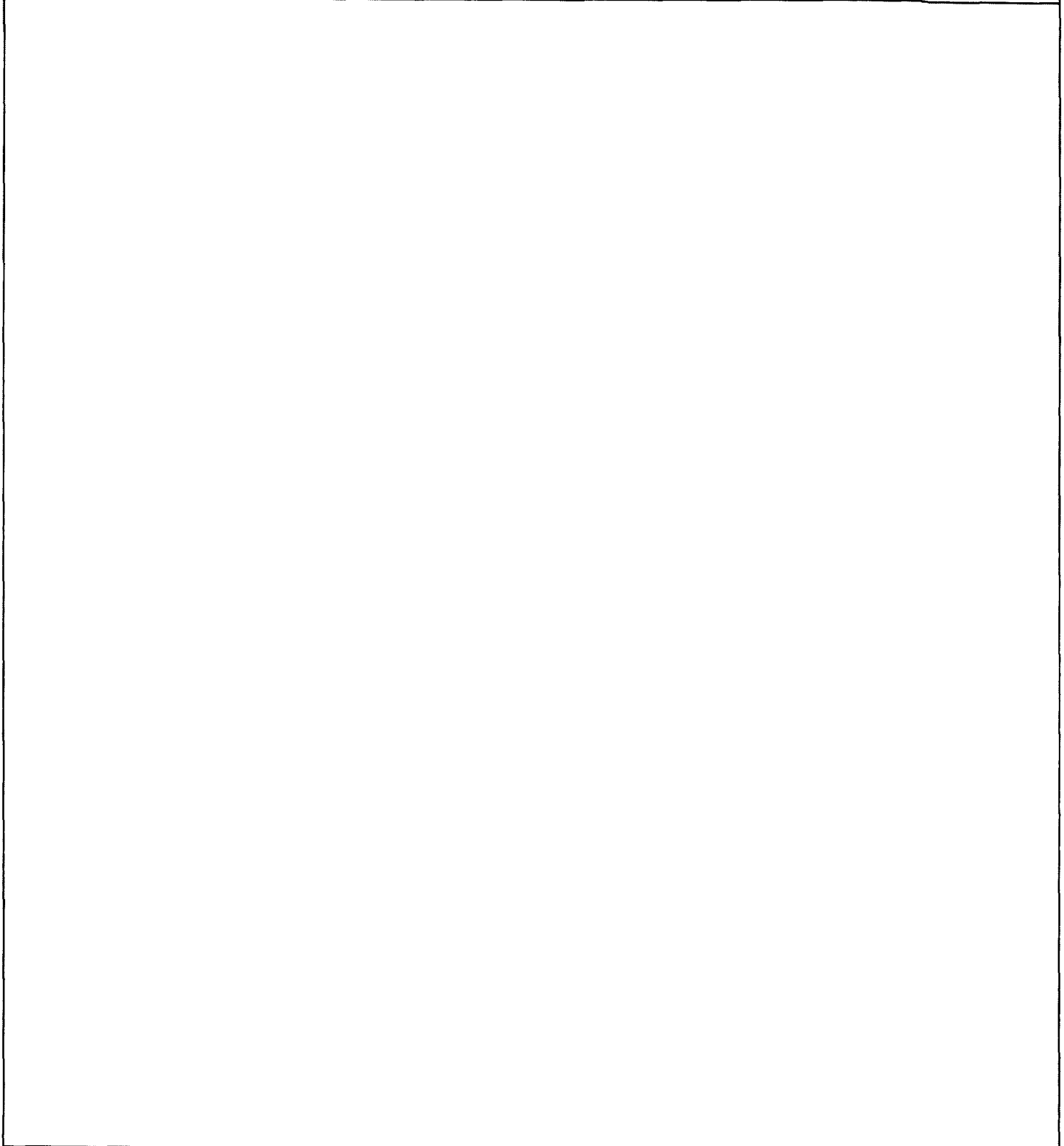
Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,249	0.89	23.4	2,361			
2	1,943	0.84	23.4	2,104			
3	1,971	0.88	23.4	2,122			
4	1,702	0.86	23.4	2,090			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Sand Sand 135331 lb



### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		Sand Sand 31069 lb
3		Sand Sand 45231 lb
4		Sand Sand 39181 lb





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-415

**Operator:** Newfield Production Company  
**Well:** Federal 8-23-9-16  
**Location:** Section 23, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32961  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 30, 2014.
2. Maximum Allowable Injection Pressure: 1,670 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,860' – 5,738'). The injection top is limited by the Federal 9-23 well (43-013-30654), located approximately ¼ mile south of the Federal 8-23 well.
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

3/20/2014  
Date

JR/MLR/js

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

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







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*

January 30, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-23-9-16, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32961

Ladies and 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.
5. The top of the injection interval shall be limited to a depth no higher than **3,860** feet in the Federal 8-23-9-16 well. The injection top is limited by the nearby Federal 9-23-9-16 well (43-013-30654).

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,

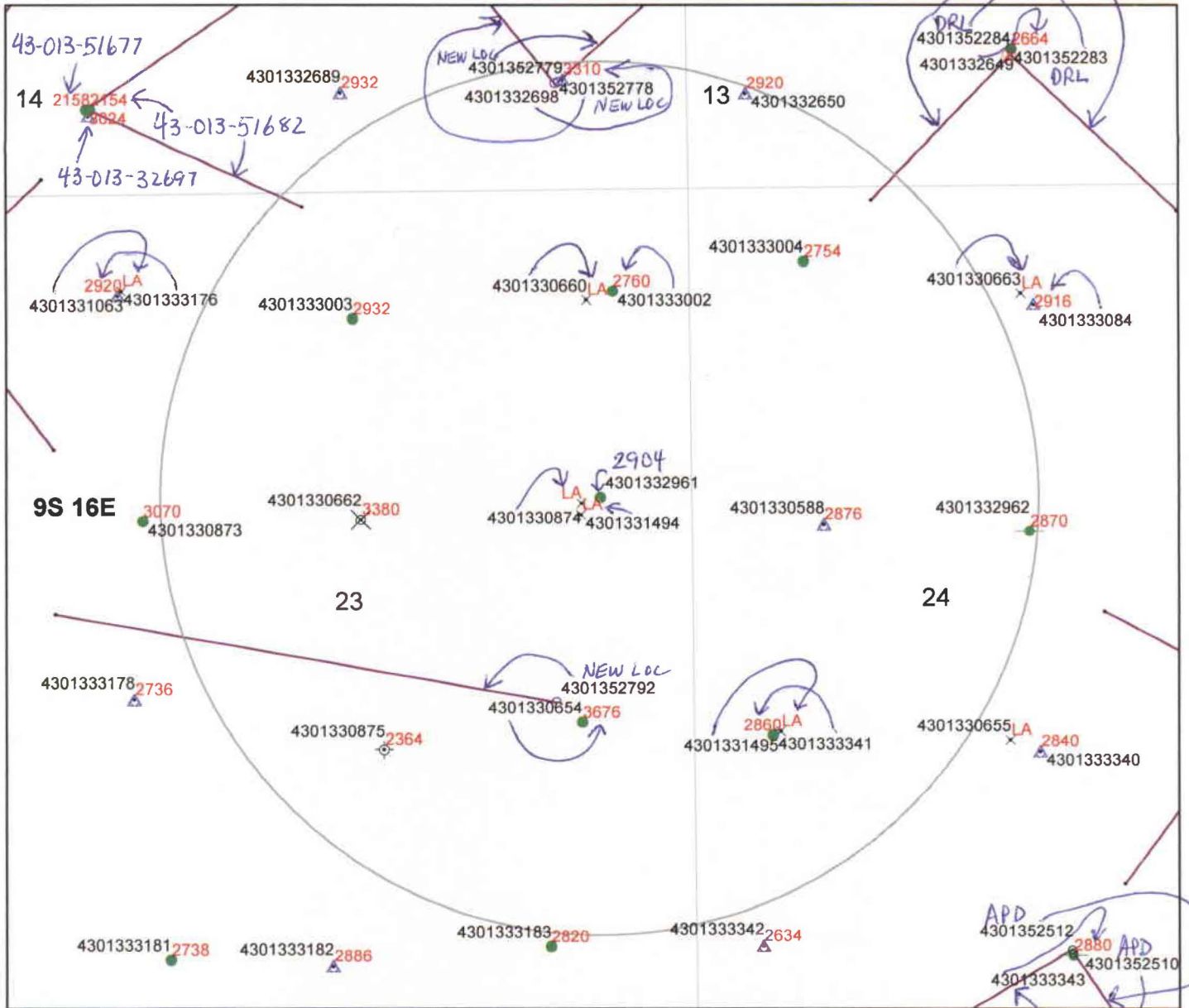
John Rogers  
Associate Director

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





**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
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

**Cement Bond Tops  
Federal 8-23-9-16  
API #43-013-32961  
UIC-415.8**



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

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

**Applicant:** Newfield Production Company      **Well:** Federal 8-23-9-16

**Location:** 23/9S/16E      **API:** 43-013-32961

**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 5,798 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,904 feet. A 2 7/8 inch tubing with a packer will be set at 3,965 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 6 producing wells, 3 injection wells, 1 P/A well, 1 shut-in well, and 1 temporarily abandoned well in the AOR. In addition, there is 1 directionally drilled producing well with a surface location outside the AOR and a bottom hole location inside the AOR. There is 1 currently drilling directional well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there are 2 proposed surface locations inside the AOR for wells to be drilled to bottom hole locations outside the AOR and 1 surface location inside the AOR for a directional well to be drilled to a bottom hole location outside the AOR. Most of the wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 9-23-9-16 well (API# 43-013-30654), appears to have inadequate cement for the proposed injection interval. Its CBL (4/1/1983) indicates a suitable cement bond top at about 3,676 feet. To protect this wellbore Newfield will not perforate the Federal 8-23-9-16 well above 3,860 feet (see next paragraph).

**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 2000 feet. The requested injection interval is between 3,770 feet and 5,738 feet in the Green River Formation. However, as described in the previous paragraph, the top of good cement bond is at about 3,676 feet in the Federal 9-23-9-16 well, located approximately ¼ mile south of the Federal 8-23-9-16 well. This cement top correlates to about 3,760 feet in the 8-23-9-16 well. For this reason, it is

**Federal 8-23-9-16**

**page 2**

recommended that the top of the injection interval be permitted no higher than a depth of 3,860 feet in the Federal 8-23-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 8-23-9-16 well is 0.77 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,670 psig. The requested maximum pressure is 1,670 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.

**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: 1/22/2014

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

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/13/2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER
8015385340	0000927358
SCHEDULE	
Start 12/13/2013	End 12/13/2013
CUST. REF. NO.	
Newfield Cause UIC-415	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
94 Lines	3.00
TIMES	3
MISC. CHARGES	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:  
 State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-33846  
 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-33853  
 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-30650  
 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33033  
 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33035  
 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East  
 API 43-013-32922  
 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33063  
 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33100  
 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33102  
 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33161  
 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33163  
 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33107  
 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33019  
 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33069  
 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33023  
 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33003  
 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-30873  
 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-32961  
 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33343

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

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

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


RECEIVED  
 DEC 20 2013

DIV. OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C  
**BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES**  
**CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**  
 COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D  
 ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT  
 NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON  
 UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

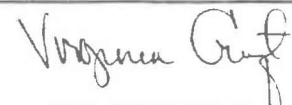
Dated this 11th day of December, 2013.  
 STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/  
 Brad Hill  
 Permitting Manager

PUBLISHED ON Start 12/13/2013 End 12/13/2013

SIGNATURE 

DATE 12/13/2013

VIRGINIA CRAFT  
 Notary Public State of Utah  
 Commission # 581489  
 My Commission Expires  
 January 12, 2014

  
 NOTARY SIGNATURE

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

2210/REB/131

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

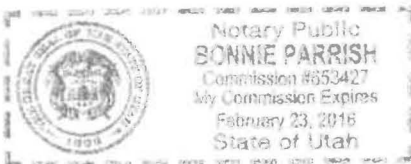
Subscribed and sworn to before me on this

23 day of December, 20 13

by Kevin Ashby.



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

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 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street,

Continued on next page

Continued from previous page

Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

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API 43-013-33853

Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-30650

Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33033

Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33035

Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-32922

Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33063

Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33100

Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

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) 535-5340. 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 a hearing how this matter affects their interests. Dated this 11th day of December, 2013  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
Published in the  
Uintah Basin Standard  
December 17, 2013

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DEC 24 2013

DIV OF OIL, GAS & MINING

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33161

Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33163

Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33107

Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33019

Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33069

Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33023

Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33343

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.



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-415

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API 43-013-33100  
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API 43-013-33102  
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API 43-013-33069  
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API 43-013-33023  
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33343

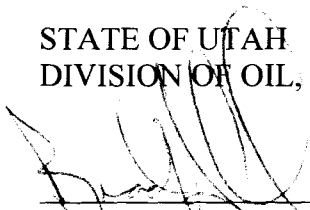
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Dated this 11th day of December, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16,  
FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16,  
FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16,  
FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16,  
FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16,  
FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23,  
FEDERAL 8-23-9-16, FEDERAL 14-24-9-16**

**Cause No. UIC-415**

Publication Notices were sent to the following:

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

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

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

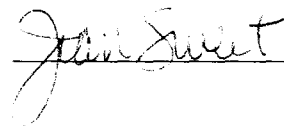
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

December 12, 2013

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-415

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

12/12/2013

State of Utah - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-415

Jean Sweet <jsweet@utah.gov>

---

**Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-415**

1 message

---

**UB Standard Legals** <ubslegals@ubmedia.biz>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <jsweet@utah.gov>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

-

Jean Sweet

Executive Secretary

Utah Division of Oil, Gas and Mining

801-538-5329

This will publish Dec. 17. Thank you. Merry Christmas.  
Cindy



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

December 12, 2013

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-415

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



12/12/2013

State of Utah Mail - Proof for Notice

Jean Sweet <jsweet@utah.gov>

---

## Proof for Notice

1 message

---

**Stowe, Ken** <naclegal@mediaoneutah.com>  
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>  
To: jsweet@utah.gov

Thu, Dec 12, 2013 at 12:34 PM

AD# 927358  
Run SL Trib & Des News 12/13  
Cost \$478.76  
Thank You

---

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185K



**Order Confirmation for Ad #0000927358-01**

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	juliecarter@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$478.76</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$478.76</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Cause UIC-4	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 94 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	12/13/2013	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	12/13/2013	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	12/13/2013	

**Order Confirmation  
 for Ad #0000927358-01**

Ad Content Proof Actual Size

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

December 3, 2013

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

**RECEIVED**

**DEC 05 2013**

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

RE: Permit Application for Water Injection Well  
Federal #8-23-9-16  
Monument Butte Field, Lease #UTU-15855  
Section 23-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-23-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Jill L. Loyle".

Jill L. Loyle  
Regulatory Associate

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #8-23-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-15855**  
**DECEMBER 3, 2013**

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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: Federal #8-23-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-15855  
Well Location: QQ SENE section 23 township 9S range 16E county Duchesne

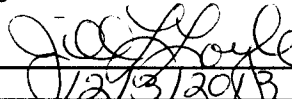
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for:                   Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
  Disposal? . . . . . Yes [ ] No [ X ]  
  Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]  
Date of test: \_\_\_\_\_  
API number: 43-013-32961

Proposed injection interval:       from       3770       to       5738  
Proposed maximum injection:   rate       500 bpd pressure 1670 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

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

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

Name: Jill L Loyle Signature   
Title Regulatory Associate Date 1/29/2013  
Phone No. 303-383-4135

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

Comments:

# FEDERAL 8-23-9-16

Spud Date: 12/13/07  
 Put on Production: 02/18/08  
 GL: 5685' KB: 5697'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.37')  
 DEPTH LANDED: 314.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160. sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

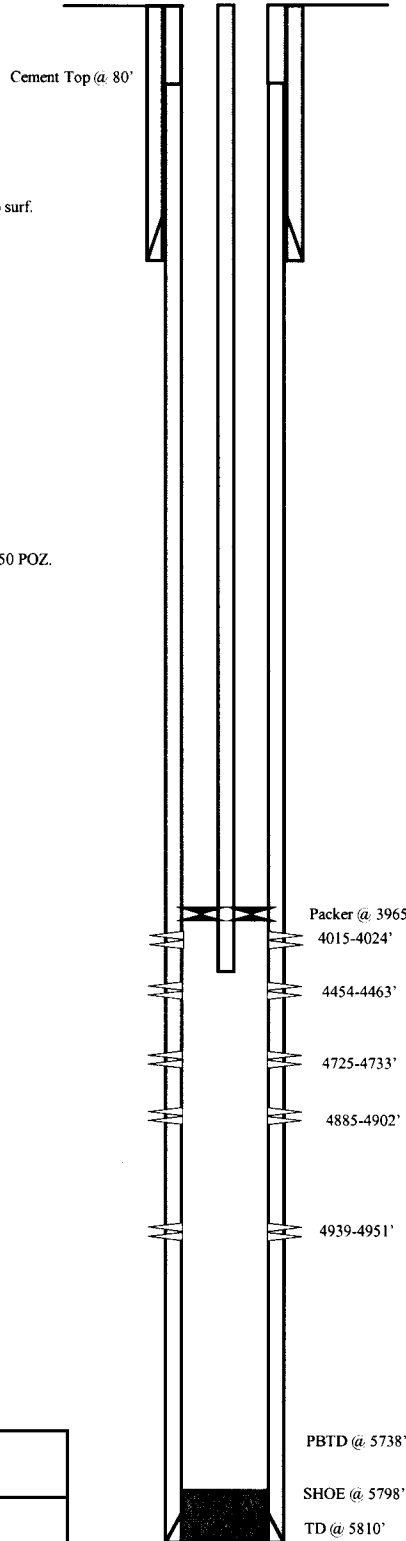
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5785.67')  
 DEPTH LANDED: 5797.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 80'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 155 jts (4895.32')  
 TUBING ANCHOR: 4907.32' KB  
 NO. OF JOINTS: 2 jts (64.92')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4975.04' KB  
 NO. OF JOINTS: 2 jts (64.14')  
 TOTAL STRING LENGTH: EOT @ 5040.73' KB

### FRAC JOB

02/12/08	4885-4951'	<b>Frac A1 &amp; A3 sands as follows:</b> 135331# 20/40 sand in 1006 bbl Lightning 17 frac fluid. Treated @ avg press of 2046 psi w/avg rate of 23.4 BPM. ISIP 2249 psi.
02/12/08	4725-4733'	<b>Frac B1 sands as follows:</b> 31069# 20/40 sand in 395 bbl Lightning 17 frac fluid. Treated @ avg press of 1821 psi w/avg rate of 23.4 BPM. ISIP 1943 psi.
02/12/08	4454-4463'	<b>Frac D1 sands as follows:</b> 45231# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 1900 psi w/avg rate of 23.4 BPM. ISIP 1971 psi.
02/12/08	5000-5052'	<b>Frac GB6 sands as follows:</b> 39181# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 23.4 BPM. ISIP 1702 psi.
9-29-08		Pump Change. Updated rod & tubing details.
7/17/09		Parted rods. Updated rod & tubing details.



### PERFORATION RECORD

4939-4951'	4 JSPF	48 holes
4885-4902'	4 JSPF	68 holes
4725-4733'	4 JSPF	32 holes
4454-4463'	4 JSPF	36 holes
4015-4024'	4 JSPF	36 holes

**NEWFIELD**

---

**FEDERAL 8-23-9-16**

1891' FNL & 535' FEL  
 SE/NE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32961; Lease # UTU-15855

## **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 Federal #8-23-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.
  
  - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  
  - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #8-23-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3770' - 5738'). 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 3450' and the TD is at 5810'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #8-23-9-16 is on file with the Utah Division of Oil, Gas and Mining.



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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-15855) 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 5798' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

See Attachment F.

**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1670 psig.

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

The minimum fracture gradient for the Federal #8-23-9-16, for existing perforations (4454' - 5052') calculates at 0.77 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 1670 psig. We may add additional perforations between 3450' and 5810'. See Attachments G and G-1.

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

In the Federal #8-23-9-16, the proposed injection zone (3770' - 5738') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-10.

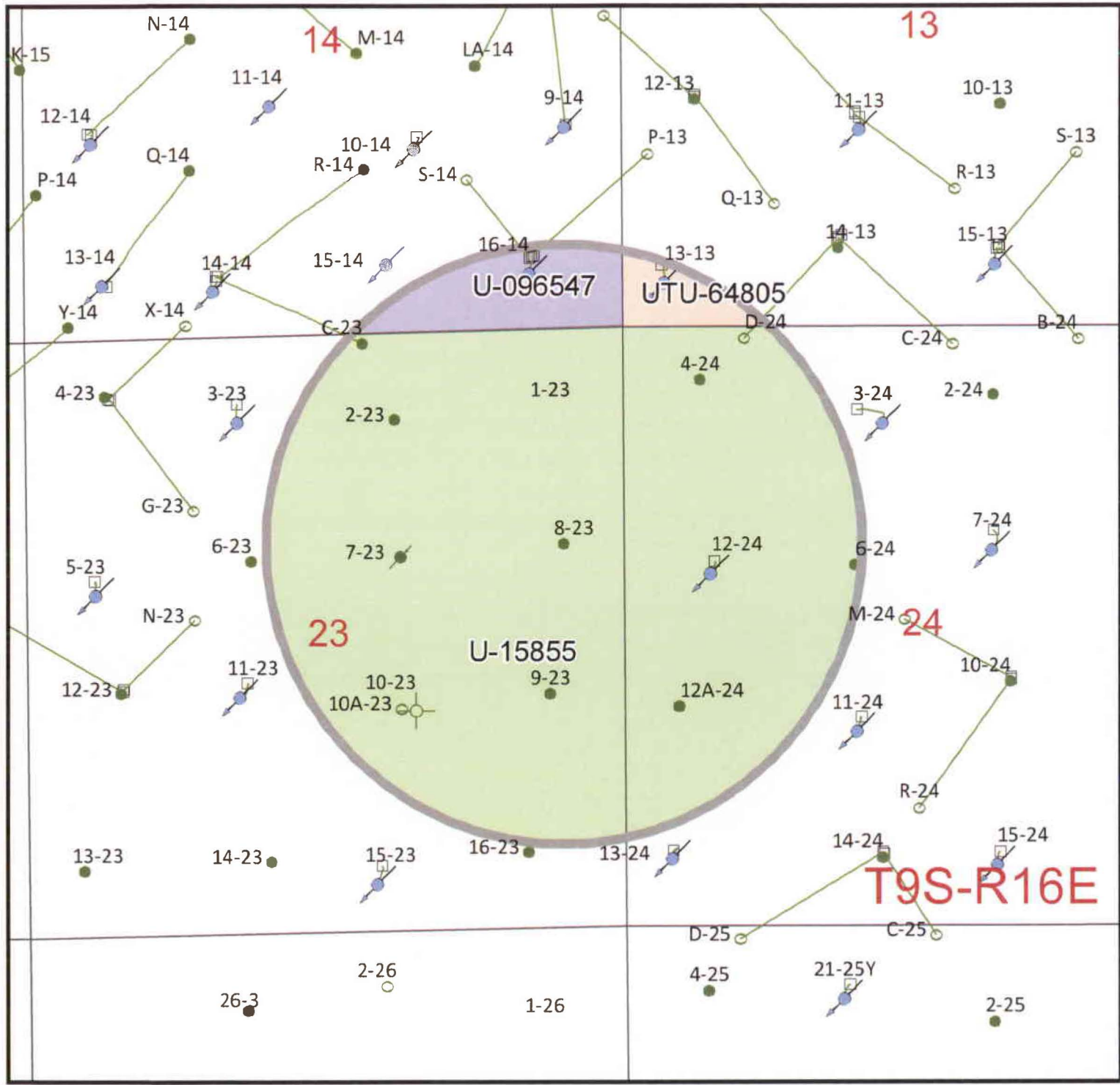
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**Lease Number**

- U-096547
- U-15855
- UTU-64805

**Well Status**

- 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
- Well Surface Location

Federal 8-23-9-16  
Section 23, T9S-R16E

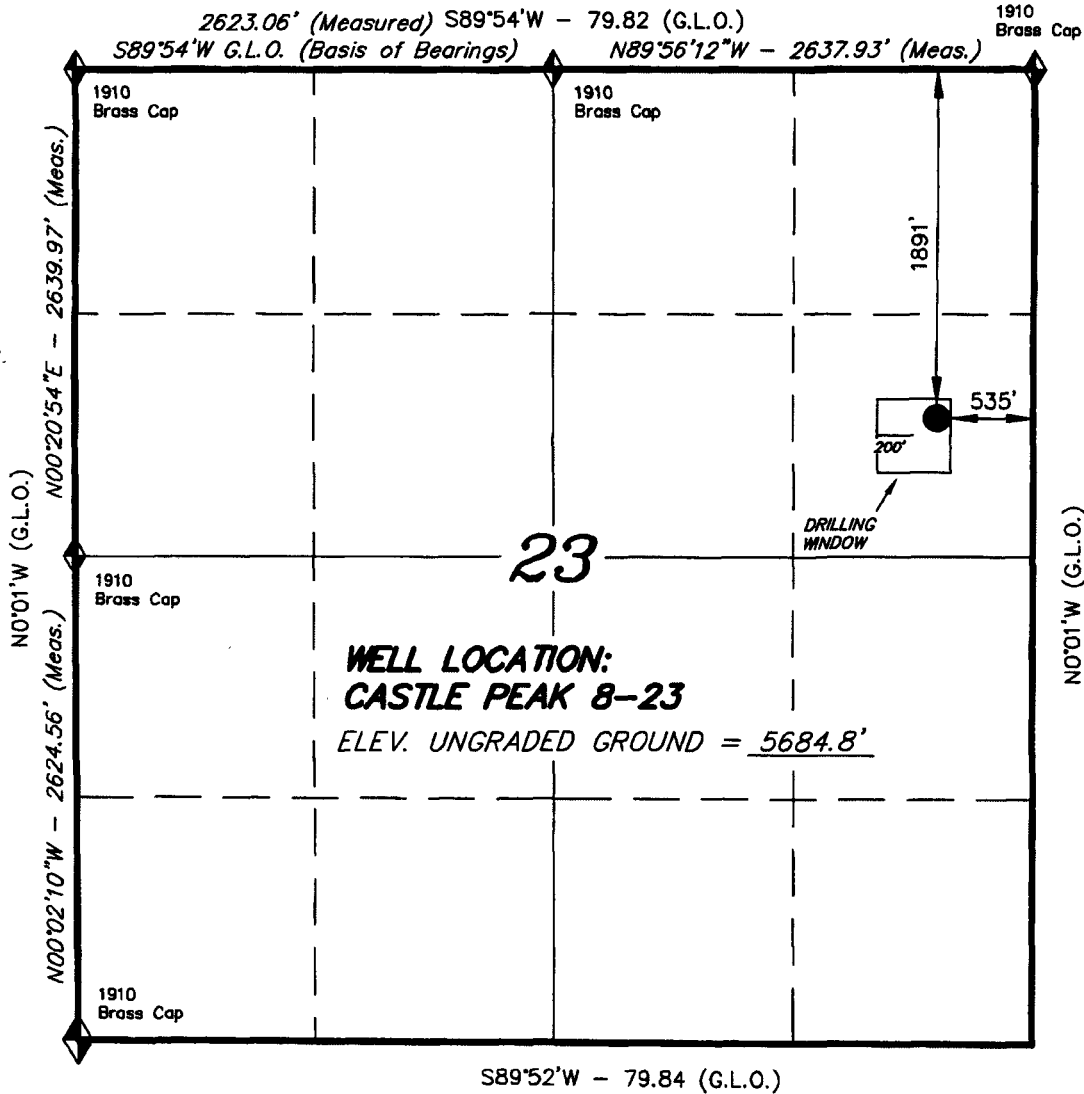
**NEWFIELD**  
ROCKY MOUNTAINS<sup>1</sup> in = 1,250 feet

**1/2 Mile Radius Map**  
Duchesne County

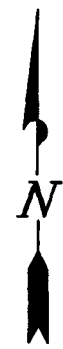
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, CASTLE PEAK 8-23,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 23, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

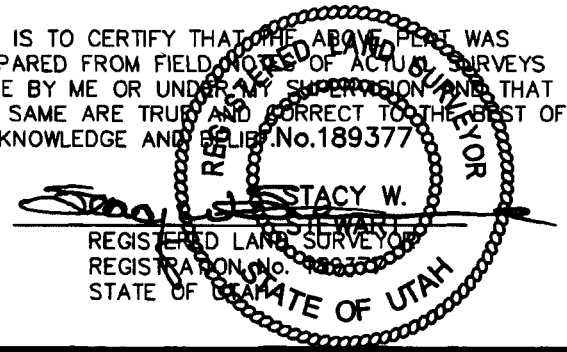


**WELL LOCATION:  
 CASTLE PEAK 8-23**  
 ELEV. UNGRADED GROUND = 5684.8'



**Note:**  
 The Proposed Well head bears  
 S16°12'51"W 1969.15' from the  
 Northeast Corner of Section 23.

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

◆ = SECTION CORNERS LOCATED

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

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 10-4-05	DRAWN BY: F.T.M.
NOTES:	FILE #

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
2	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
3	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #8-23-9-16

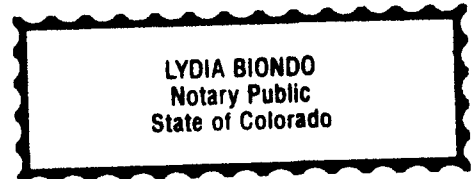
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

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

Sworn to and subscribed before me this 3<sup>rd</sup> day of December, 2013.

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

My Commission Expires: 12/31/15



## FEDERAL 8-23-9-16

Spud Date: 12/13/07  
 Put on Production: 02/18/08  
 GL: 5685' KB: 5697'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.37')  
 DEPTH LANDED: 314.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 134 jts. (5785.67')  
 DEPTH LANDED: 5797.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 80'

#### TUBING

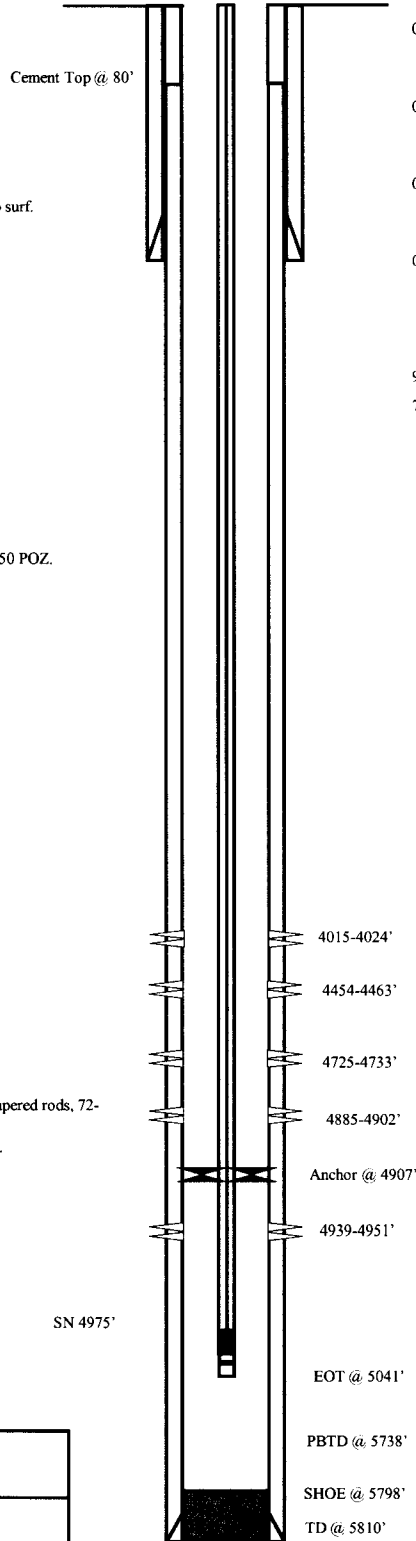
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 155 jts (4895.32')  
 TUBING ANCHOR: 4907.32' KB  
 NO. OF JOINTS: 2 jts (64.92')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4975.04' KB  
 NO. OF JOINTS: 2 jts (64.14')  
 TOTAL STRING LENGTH: EOT @ 5040.73' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
 SUCKER RODS: 1-2", 1-8" X 3/4" Pony Rods, 100-3/4" scraped rods, 72-3/4" plain rods, 20-3/4" scraped rods, 6-1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC w/Sm Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

#### FRAC JOB

02/12/08	4885-4951'	<b>Frac A1 &amp; A3 sands as follows:</b> 135331# 20/40 sand in 1006 bbl Lightning 17 frac fluid. Treated @ avg press of 2046 psi w/avg rate of 23.4 BPM. ISIP 2249 psi.
02/12/08	4725-4733'	<b>Frac B1 sands as follows:</b> 31069# 20/40 sand in 395 bbl Lightning 17 frac fluid. Treated @ avg press of 1821 psi w/avg rate of 23.4 BPM. ISIP 1943 psi.
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9-29-08		Pump Change. Updated rod & tubing details.
7/17/09		Parted rods. Updated rod & tubing details.



#### PERFORATION RECORD

4939-4951'	4 JSPF	48 holes
4885-4902'	4 JSPF	68 holes
4725-4733'	4 JSPF	32 holes
4454-4463'	4 JSPF	36 holes
4015-4024'	4 JSPF	36 holes

**NEWFIELD**

---

**FEDERAL 8-23-9-16**

1891' FNL & 535' FEL  
 SE/NE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32961; Lease # UTU-15855



# FEDERAL 2-23-9-16

Attachment E-1

Spud Date: 12/06/07  
 Put on Production: 02/11/08  
 GL: 5678' KB: 5690'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.96')  
 DEPTH LANDED: 324.81' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 135 jts. (5818.10')  
 DEPTH LANDED: 5831.23' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz.  
 CEMENT TOP: 156'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4888')  
 TUBING ANCHOR: 4888' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4953.6' KB  
 NO. OF JOINTS: 2 jts (64.2')  
 TOTAL STRING LENGTH: EOT @ 5019' KB

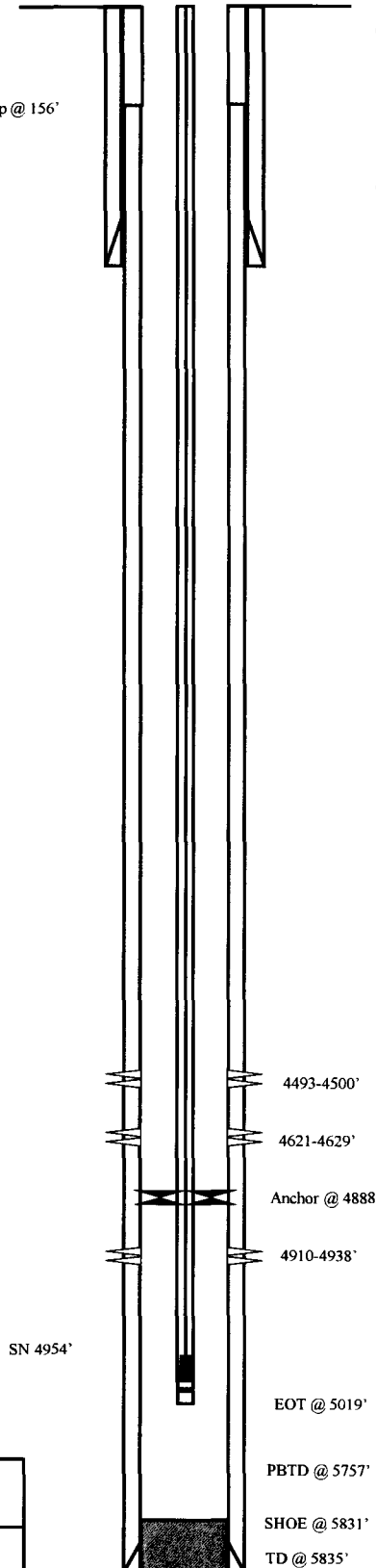
### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1- 2' x 3/4" pony rod, 1- 4' x 3/4" pony rod, 1- 6' x 3/4" pony rod, 1- 8' x 3/4" pony rod, 100- 3/4" guided rods, 72- 3/4" guided rods, 20- 3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5

### FRAC JOB

02/05/08	4910-4938'	<b>Frac A1 sands as follows:</b> 170350# 20/40 sand in 1190 bbl Lightning 17 frac fluid. Treated @ avg press of 1318 psi w/avg rate of 23.6 BPM. ISIP 1809 psi.
02/06/08	4621-4629'	<b>Frac C sands as follows:</b> 14890# 20/40 sand in 264 bbl Lightning 17 frac fluid. Treated @ avg press of 1847 psi w/avg rate of 23.5 BPM. ISIP 1806 psi.
02/06/08	4493-4500'	<b>Frac D1 sands as follows:</b> 9119# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 2210 psi w/avg rate of 23.5 BPM. ISIP 2088 psi.
8-1-08		Pump change. Updated rod & tubing details.
12/21/09		Pump change. Updated rod and tubing detail

Cement Top @ 156'



### PERFORATION RECORD

4910-4938'	4 JSPF	112 holes
4621-4629'	4 JSPF	32 holes
4493-4500'	4 JSPF	28 holes

**NEWFIELD**

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**FEDERAL 2-23-9-16**

760' FNL & 2032' FEL  
 NW/NE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33003; Lease # UTU-15855

Spud Date: 11-13-07  
 Put on Production: 2-06-08  
 GL: 5699' KB: 5711'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.75')  
 DEPTH LANDED: 324.6  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

**PRODUCTION CASING**

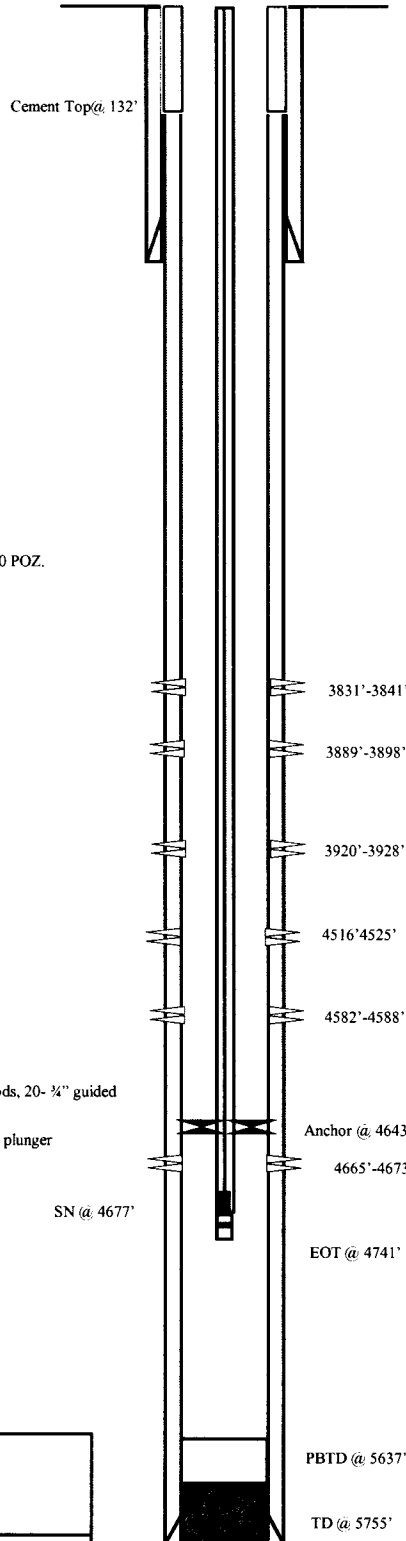
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132jts. (5686.17')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5699.42'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 132'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 148 jts (4643.0')  
 TUBING ANCHOR: 4643.0'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4677.2' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 TOTAL STRING LENGTH: EOT @ 4741' w/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 102- 3/8" guided rods, 54- 3/4" guided rods rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC pump w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4



**FRAC JOB**

- 2/01/08 4665'-4673' **Frac B2 sands as follows:**  
 Frac with 14023 # 20/40 sand in 307bbls Lightning 17 fluid. Treat at an ave pressure of 2365 psi @ 23.1 BPM. ISIP 2100 psi.
- 2/01/08 4582'-4588' **Frac B.5 sands as follows:**  
 Frac with 17722 # 20/40 sand in 349 bbls Lightning 17 fluid. Treat at 2413 psi @ 23.3 BPM. ISIP 2271 psi.
- 2/01/08 4516'-4525' **Frac C sands as follows:**  
 Frac with 53502# 20/40 sand in 479bbls Lightning 17 fluid. Treat at an ave pressure 2599psi @ 23.3 BPM. ISIP 2120 psi.
- 2/01/08 3889'-3928' **Frac GB6 & GB4 sand as follows:**  
 Frac with 75504# 20/40 sand in 632 bbls Lightning 17 fluid. Treat at an ave pressure of 1555 psi @ 23.4 BPM. ISIP 1625 psi.
- 2/01/08 3831'-3841' **Frac GB2 sands as follows:**  
 Frac with 24213# 20/40 sand in 248 bbls Lightning 17 fluid. Treat at an ave pressure of 1840 psi @ 23.2 BPM. ISIP 1760 psi.
- 8-12-08 Pump Change. Updated rod & tubing details.
- 10/8/09 Pump Change. Updated rod & tubing details.
- 11/23/2010 Pump change. Updated rod and tubing detail.

**PERFORATION RECORD**

3831'-3841'	4 JSPF	40 holes
3889'-3898'	4 JSPF	36 holes
3920'-3928'	4 JSPF	32 holes
4516'-4525'	4 JSPF	36 holes
4582'-4588'	4 JSPF	24 holes
4665'-4673'	4 JSPF	32 holes

**NEWFIELD**

**Federal 16-23-9-16**  
 693' FSL & 857' FEL  
 SESE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33183; Lease #UTU-15855

## FEDERAL 13-13-9-16

Spud Date: 04/13/07

Put on Production: 05/23/07

GL: 5592' KB: 5604'

Initial Production: 53 BOPD,  
3 MCFD, 88 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (309.33')  
DEPTH LANDED: 319.33' 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: 131 jts. (5793.19')  
DEPTH LANDED: 5789.19' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

#### TUBING

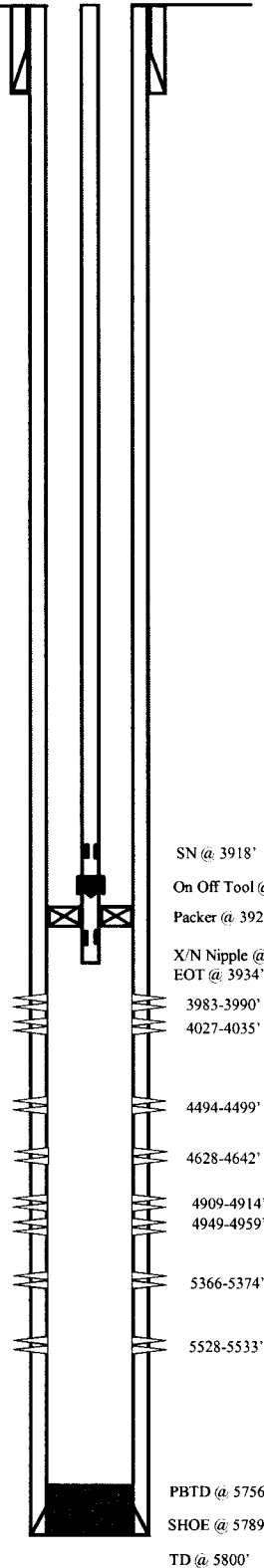
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 126 jts (3906.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3918.4' KB  
ON/OFF TOOL AT: 3919.5'  
ARROW #1 PACKER CE AT: 3924.9'  
XO 2-3/8 x 2-7/8 J-55 AT: 3928.3'  
TBG PUP 2-3/8 J-55 AT: 3928.8'  
X/N NIPPLE AT: 3932.9'  
TOTAL STRING LENGTH: EOT @ 3934.27'

#### FRAC JOB


05/15/07	5528-5533'	<b>Frac CP3 sands as follows:</b> 14792# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2351 psi w/avg rate of 24.8 BPM. ISIP 2074 psi. Calc flush: 5526 gal. Actual flush: 5019 gal.
05/15/07	5366-5374'	<b>Frac CPI sands as follows:</b> 40830# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1857 psi w/avg rate of 22.6 BPM. ISIP 1997 psi. Calc flush: 5364 gal. Actual flush: 4868 gal.
05/18/07	4909-4959'	<b>Frac A1&amp;3 sands as follows:</b> 67943# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1919 psi w/avg rate of 24.7 BPM. ISIP 1970 psi. Calc flush: 4907 gal. Actual flush: 4406 gal.
05/18/07	4628-4642'	<b>Frac C sands as follows:</b> 29975# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1884 psi w/avg rate of 24.7 BPM. ISIP 1910 psi. Calc flush: 4626 gal. Actual flush: 4124 gal
05/18/07	4494-4499'	<b>Frac D1 sands as follows:</b> 14891# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1954 psi w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc flush: 4492 gal. Actual flush: 3990 gal
05/18/07	3983-4035'	<b>Frac GB4&amp;6 sands as follows:</b> 56438# 20/40 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of ? BPM. ISIP 1685 psi. Calc flush: 3981 gal. Actual flush: 3910 gal
7/17/08		<b>Pump change.</b> updated rod and tubing detail.
1/20/2010		<b>Pump change.</b> Updated rod and tubing detail.
12/11/12		<b>Convert to Injection Well</b>
12/12/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

05/02/07	5528-5533'	4 JSPF	20 holes
05/15/07	5366-5374'	4 JSPF	32 holes
05/15/07	4949-4959'	4 JSPF	40 holes
05/15/07	4909-4914'	4 JSPF	20 holes
05/18/07	4628-4642'	4 JSPF	56 holes
05/18/07	4494-4499'	4 JSPF	20 holes
05/18/07	4027-4035'	4 JSPF	32 holes
05/18/07	3983-3990'	4 JSPF	28 holes



**NEWFIELD**



**FEDERAL 13-13-9-16**  
555' FSL & 344' FWL  
SW/SW Section 13-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32650; Lease # UTU-64805

## FEDERAL 4-24-9-16

Spud Date: 12/12/07  
 Put on Production: 02/26/08  
 GL: 5613' KB: 5625'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.16')  
 DEPTH LANDED: 316.01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 134 jts. (5745.08')  
 DEPTH LANDED: 5758.33' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 84'

#### TUBING

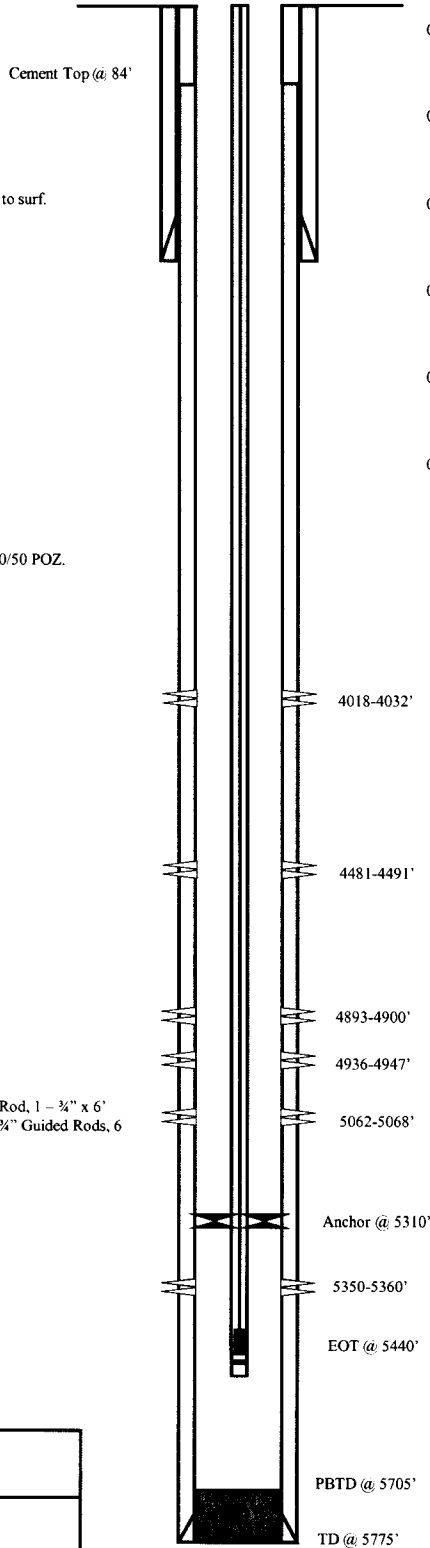
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (5298.24')  
 TUBING ANCHOR: 5310.24' KB  
 NO. OF JOINTS: 2 jts (62.78')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5375.82' KB  
 NO. OF JOINTS: 2 jts (62.76')  
 TOTAL STRING LENGTH: EOT @ 5440.13' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 1 - 3/4" x 4' Pony Rod, 1 - 3/4" x 6' Pony Rod, 99 - 3/4" Guided Rods, 89 - 3/4" Plain Rods, 20 - 3/4" Guided Rods, 6 - 1 1/2" weight bars  
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12 x 19 1/2" RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED: 5 SPM

#### FRAC JOB

02/21/08	5350-5360'	<b>Frac CPI sands as follows:</b> 19538# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2319 psi w/avg rate of 23.0 BPM. ISIP 2169 psi.
02/21/08	5062-5068'	<b>Frac LODC sands as follows:</b> 14448# 20/40 sand in 267 bbl Lightning 17 frac fluid. Treated @ avg press of 2913 psi w/avg rate of 23.1 BPM. ISIP 3354 psi.
02/21/08	4936-4947'	<b>Frac A3, sands as follows:</b> 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi.
02/21/08	4893-4900'	<b>Frac A1 sands as follows:</b> 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi.
02/21/08	4481-4491'	<b>Frac D1 sands as follows:</b> 54904# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2070 psi w/avg rate of 23.1 BPM. ISIP 2153 psi.
02/21/08	4018-4032'	<b>Frac GB6 sands as follows:</b> 74458# 20/40 sand in 594 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 23.1 BPM. ISIP 1788 psi.



#### PERFORATION RECORD

02/21/08	5350-5360'	4 JSPF	40 holes
02/21/08	5062-5068'	4 JSPF	24 holes
02/21/08	4936-4947'	4 JSPF	44 holes
02/21/08	4893-4900'	4 JSPF	28 holes
02/23/08	4481-4491'	4 JSPF	40 holes
02/23/08	4018-4032'	4 JSPF	56 holes

**NEWFIELD**

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**FEDERAL 4-24-9-16**

462' FNL & 679' FWL

NW/NW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33004; Lease # UTU-15855

## FEDERAL 6-24-9-16

Spud Date: 11/02/07  
 Put on Production: 12/12/07  
 GL: 5611' KB: 5623'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.81')  
 DEPTH LANDED: 324.66' 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: 149 jts. (5761.33')  
 DEPTH LANDED: 5750' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 68'

### TUBING

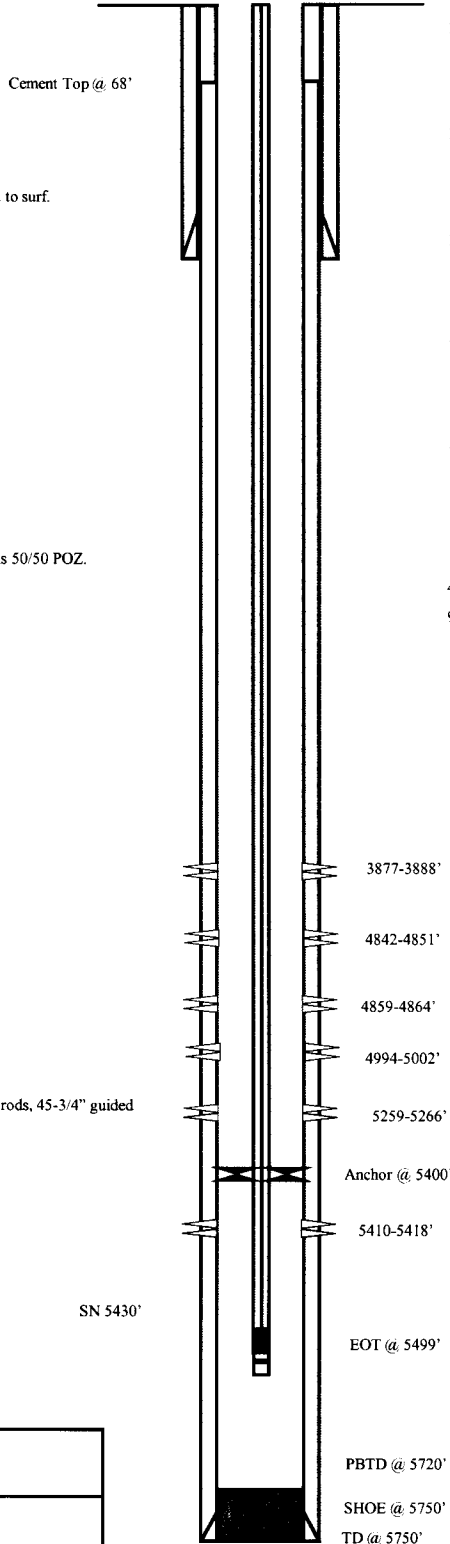
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5400')  
 TUBING ANCHOR: 5399.5' KB  
 NO. OF JOINTS: 1 jts (32.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5434.9' KB  
 NO. OF JOINTS: 2 jts (62.9')  
 TOTAL STRING LENGTH: EOT @ 5499' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
 SUCKER RODS: 1-4' x 3/4" pony rods, 99-3/4" guided rods, 45-3/4" guided rods, 66-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12x 18"  
 SPM 82"  
 PUMP SPEED, 4 SPM:

### FRAC JOB

12/06/07	5410-5418'	<b>Frac CP3 sands as follows:</b> 25257# 20/40 sand in 361 bbls Lightning 17 frac fluid. Treated @ avg press of 2391 psi w/avg rate of 23.1 BPM. ISIP 2055 psi. Calc flush: 5408 gal. Actual flush: 4906 gal.
12/06/07	5259-5266'	<b>Frac CP.5 sands as follows:</b> 25324# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 2677 psi w/avg rate of 23.1 BPM. ISIP 2035 psi. Calc flush: 5257 gal. Actual flush: 4754 gal.
12/06/07	4994-5002'	<b>Frac LODC sands as follows:</b> 25369# 20/40 sand in 354 bbls Lightning 17 frac fluid. Treated @ avg press of 3093 psi w/avg rate of 23.2 BPM. ISIP 3198 psi. Calc flush: 4992 gal. Actual flush: 4490 gal.
12/06/07	4842-4864'	<b>Frac A1 sands as follows:</b> 40223# 20/40 sand in 398 bbls Lightning 17 frac fluid. Treated @ avg press of 2114 psi w/avg rate of 23.1 BPM. ISIP 2132 psi. Calc flush: 4840 gal. Actual flush: 4326 gal.
12/06/07	3877-3888'	<b>Frac GB4 sands as follows:</b> 38701# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 23.2 BPM. ISIP 1632 psi. Calc flush: 3875 gal. Actual flush: 3822 gal.
4/3/09		Tubing Leak. Updated r & t details.
9/3/09		Tubing Leak. Updated rod & tubing details.
10/16/2010		Tubing Leak. Update rod and tubing details.



### PERFORATION RECORD

Date	Interval	Number of JSPF	Number of Holes
11/29/07	5410-5418'	4 JSPF	32 holes
12/06/07	5259-5266'	4 JSPF	28 holes
12/06/07	4994-5002'	4 JSPF	32 holes
12/06/07	4859-4864'	4 JSPF	20 holes
12/06/07	4842-4851'	4 JSPF	36 holes
12/06/07	3877-3888'	4 JSPF	44 holes

**NEWFIELD**

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**FEDERAL 6-24-9-16**

2039' FNL & 2046' FWL  
 SE/NW Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32962; Lease # UTU-15855

## FEDERAL 12A-24-9-16

Spud Date: 11/05/07  
Put on Production: 01/26/08

Initial Production: BOPD,  
MCFD, BWPD

GL: 5640' KB: 5652'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (306.37')  
DEPTH LANDED: 318.22' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160. sxs Class "G" cmt. est 0 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (5692.63')  
DEPTH LANDED: 5705.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP: 112'

#### TUBING

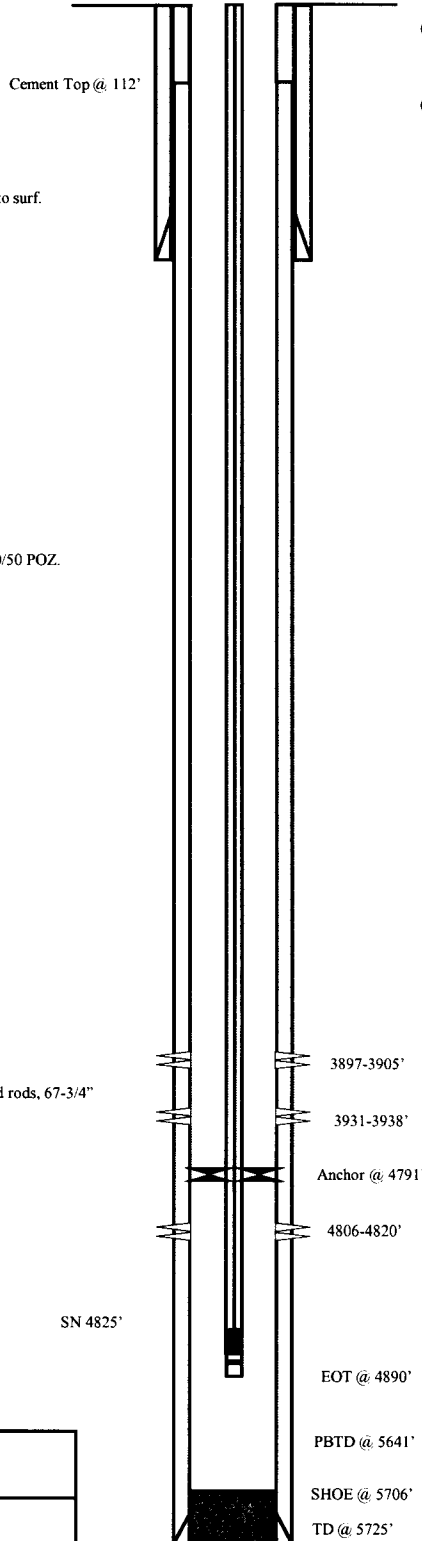
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 152 jts (4778.87')  
TUBING ANCHOR: 4790.87' KB  
NO. OF JOINTS: 1 jts (31.42')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4825.09' KB  
NO. OF JOINTS: 2 jts (62.86')  
TOTAL STRING LENGTH: EOT @ 4889.50' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods  
SUCKER RODS: 1-2", 4", 8' x 3/4" pony rods, 99-3/4" guided rods, 67-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED: 5 SPM:

#### FRAC JOB

01/22/2008 4806-4820' **Frac A1 sands as follows:**  
70235# 20/40 sand in 570 bbls Lightning 17 frac fluid. Treated @ avg press of 1932 psi w/avg rate of 23.3 BPM. ISIP 2247 psi.  
01/22/2008 3897-3938' **Frac GB6 sands as follows:**  
64050# 20/40 sand in 507 bbl Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 23.3 BPM. ISIP 1701 psi.



#### PERFORATION RECORD

4806-4820'	4 JSPF	56 holes
3931-3938'	4 JSPF	28 holes
3897-3905'	4 JSPF	32 holes

**NEWFIELD**

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**FEDERAL 12A-24-9-16**

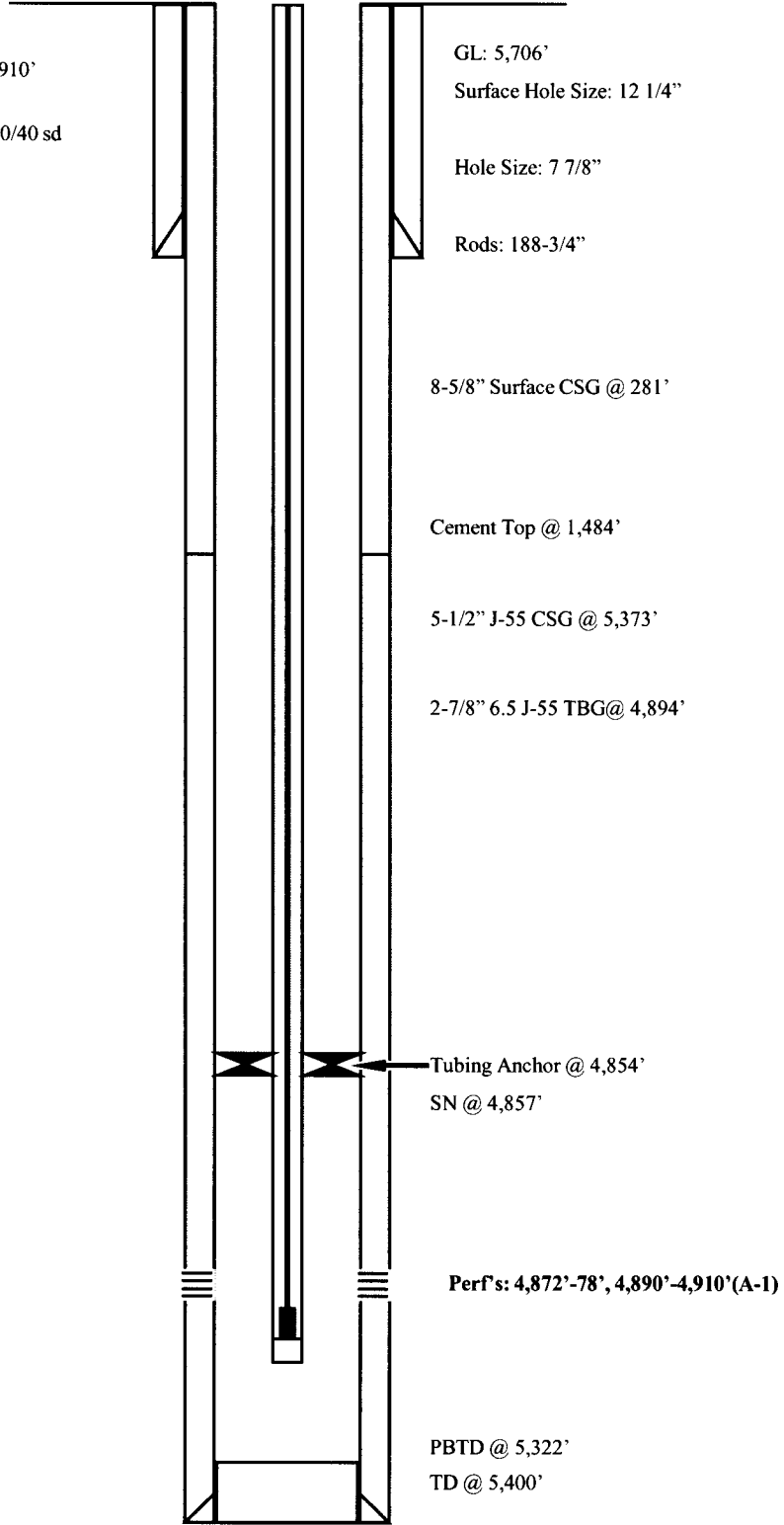
1951' FSL & 482' FWL  
NW/SW Section 24-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33341; Lease # UTU-15855

Castle Peak Federal #7-23

Wellbore Diagram

Well History:

7-26-83 Spud Well  
 8-11-83 Perf: 4,872'-4,878', 4,890'-4,910'  
 Frac A-3 zone as follows:  
 Totals 38,000 gal, 130,800# 20/40 sd  
 Max TP 2,600 @ 31 BPM  
 Avg TP 2,000 @ 31 BPM  
 ISIP 2,000, after 5 min 1,450



Castle Peak Federal #7-23  
 1967 FNL 1985 FEL  
 SWNE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30662; Lease #U-15855

## Castle Peak Federal #9-23

Wellbore Diagram

**Well History:**

3-15-83 Spud Well  
 4-2-83 Perf: 4,808'-4,821'  
 4-5-83 Frac A-1 zone as follows:  
 Totals 26,500 gal, 88,000# 20/40 sd  
 Max TP 2,830 @ 30 BPM  
 Avg TP 2,500 @ 30 BPM  
 ISIP 2,080, after 5 min 1,990  
 GL: 5,663'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 WEIGHT: 24#  
 LENGTH: (271.06')  
 DEPTH LANDED: 270'GL  
 HOLE SIZE: 13"  
 CEMENT DATA: 210 sxs Class "G" with 2% CaCl and ¼# per sc celloflake.

**PRODUCTION CASING**

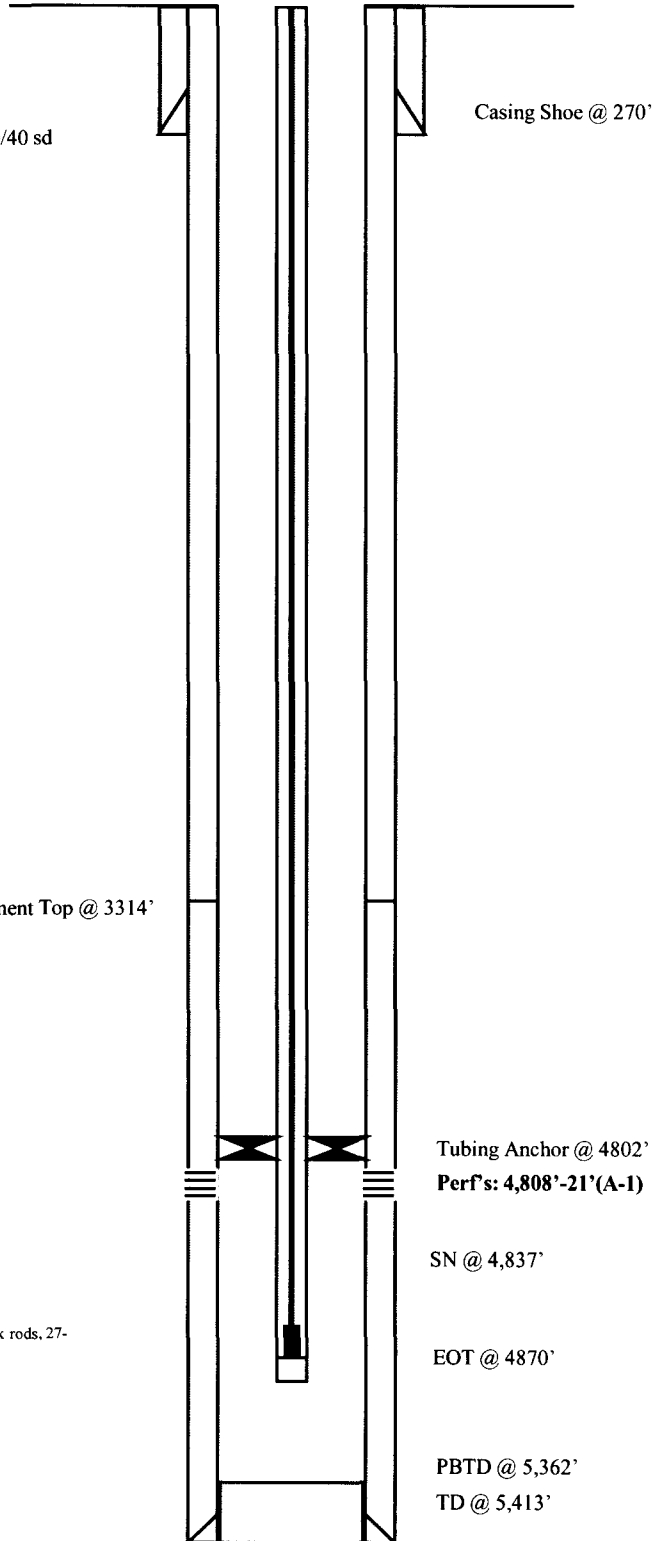
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 LENGTH: 133 jts.  
 DEPTH LANDED: 5405'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 200 sxs Hifill 275 sxs Thixotropic  
 CEMENT TOP AT: 3314'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 151 jts. (4778.19')  
 TUBING ANCHOR: 4802.19'  
 NO. OF JOINTS: 1 jts. (31.63')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4836.62'  
 NO. OF JOINTS: 1 jts. (31.62')  
 TOTAL STRING LENGTH: EOT @ 4869.59'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rods, 101- 3/4" guided rods, 60- 3/4" slick rods, 27- 3/4" guided rods, 4- 1 1/2" weight bars.  
 PUMP SIZE: RIH w/ 2-1/2" x 1-1/4" x 16' RHAC CDI pump



Castle Peak Federal #9-23  
 2080 FSL 659 FEL  
 NESE Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30654; Lease #UTU-15855



Attachment E-9

# Castle Peak Federal 12-24-9-16

Spud Date: 09/21/81  
 Put on Production: 11/07/81  
 GL: 5663' KB: '

Injection Wellbore Diagram

**SURFACE CASING**

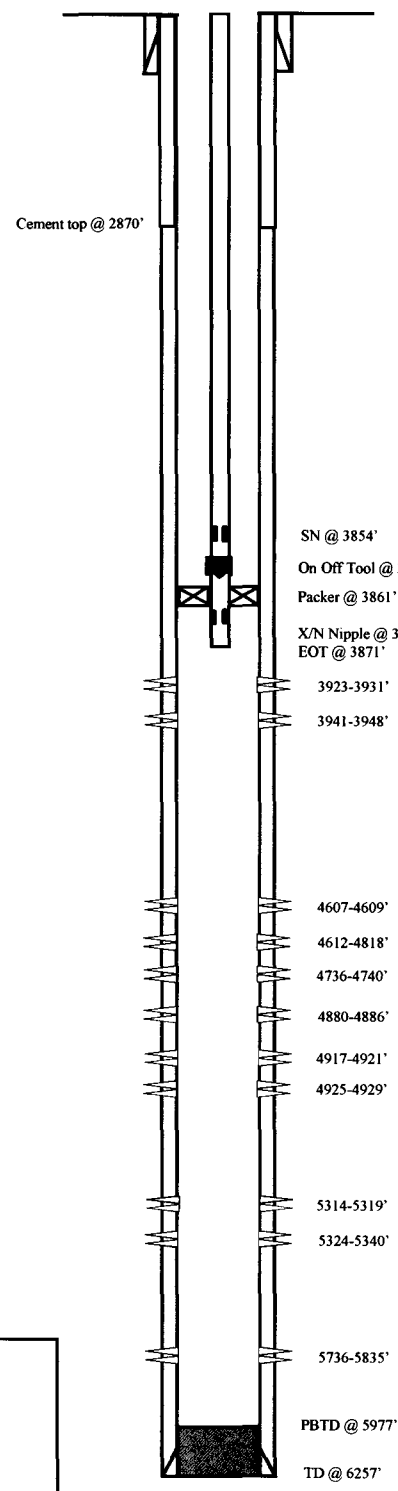
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: jts (294')  
 DEPTH LANDED: 294' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sx Class "H"

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ? jts (')  
 DEPTH LANDED: 6019'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 766 sx 50/50 Pozmix  
 CEMENT TOP AT: 2870'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 126 jts (3842.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3854.4' KB  
 ON/OFF TOOL AT: 3855.5'  
 ARROW #1 PACKER CE AT: 3861.3'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3864.3'  
 TBG PUP 2-3/8 J-55 AT: 3864.8'  
 X/N NIPPLE AT: 3869'  
 TOTAL STRING LENGTH: EOT @ 3871'



**FRAC JOB**

9-21-81	Spud Well
10-24-81	Perf: 5,736'-5,835'
10-30-82	Frac BGR zone as follows: Totals 3,000 gal, 2,000# sd Avg TP 2,300 ISIP 1,580, after 5 min 1,450
11-3-81	Perf: 5,324'-5,340', 5,314'-5,319' Frac CP-1 zone as follows: Totals 26,500 gal, 40,000# 20/40 sd 9,000# 10/20 sd ISIP 2,160, after 5 min 2,120
9-29-82	Perf: 4,607'-4,609', 4,612'-4,618'
9-30-82	Frac C-SD zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,800 @ 30 BPM Avg TP 2,400 @ 30 BPM ISIP 2,000, after 5 min 1,750
10-5-82	Perf: 3,923'-3,931', 3,941'-3,948'
10-6-82	Frac GB-6 zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,400 @ 30 BPM Avg TP 1,900 @ 30 BPM ISIP 1,700, after 5 min 1,575
5/11/2009	<b>Re-Completion</b>
5/11/2009	<b>5314-5340'</b> Frac sig#1 CPI sds as follows: 80,105# 20/40 sand in 740 bbls of Lightning 17 fluid. Treated @ ave pressure of 3498 w/ ave rate of 17 bpm w/ 6 ppg sand. ISIP was 2198 w/ .85FG. 5 minutes was 2145. 10 min was 2135. 15 min was 2126 (10 psi on casing).
5/11/2009	<b>4880-4929'</b> Frac A sds as follows: 50,237# 20/40 sand in 488 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4470 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 1946 w/ .83FG. 5 minutes was 1919. 10 min was 1807. 15 min was 1734 (0 psi on casing).
5/11/2009	<b>4736-4740'</b> Frac B1 sds as follows: 16,144# 20/40 sand in 208 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4147 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 2014 w/ .86FG. 5 minutes was 1646. 10 min was 1607. 15 min was 1586 (0 psi on casing).
11/21/12	<b>Convert to Injection Well</b>
11/27/12	<b>Conversion MIT Finalized - update tbg detail</b>

**PERFORATION RECORD**

5736-5835'	JSPF	holes
5324-5340'	JSPF	holes
5314-5319'	JSPF	holes
4612-4618'	JSPF	holes
4607-4609'	JSPF	holes
3941-3948'	JSPF	holes
3923-3931'	JSPF	holes
4/20/09	5324-5340'	4 JSPF 64 holes
4/20/09	5314-5319'	4 JSPF 16 holes
4/20/09	4925-4929'	4 JSPF 16 holes
4/20/09	4917-4921'	4 JSPF 16 holes
4/20/09	4880-4886'	4 JSPF 16 holes
4/20/09	4736-4740'	4 JSPF 16 holes

**NEWFIELD**

Castle Peak Federal 12-24-9-16  
 749 FWL 1982 FNL  
 SWNW Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30588; Lease #U-15855

## Jonah Federal 16-14-9-16

Spud Date: 10-14-05  
 Put on Production: 11-14-05  
 GL: 5626' KB: 5638'

### Injection Wellbore Diagram

#### SURFACE CASING

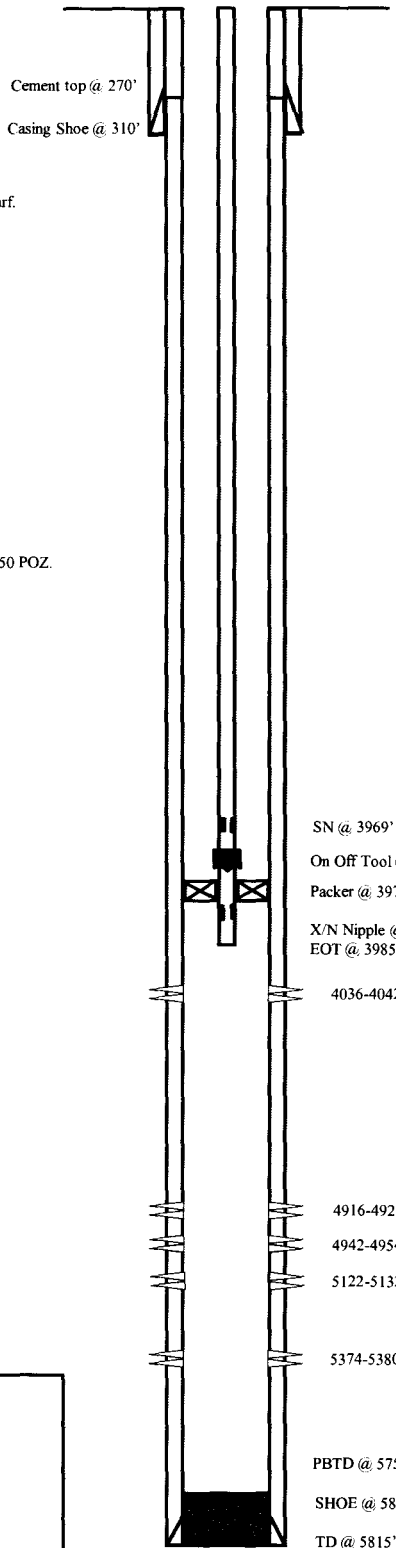
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.62')  
 DEPTH LANDED: 310.02' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5790.42')  
 DEPTH LANDED: 5803.67' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 270'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 123 jts (3956.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3968.9' KB  
 ON/OFF TOOL AT: 3970.0'  
 ARROW #1 PACKER CE AT: 3975.9'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3979.0'  
 TBG PUP 2-3/8 J-55 AT: 3979.5'  
 X/N NIPPLE AT: 3983.7'  
 TOTAL STRING LENGTH: EOT @ 3985.19'




#### FRAC JOB

11-08-05	5374-5380'	<b>Frac CP2 sands as follows:</b> 24617# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2689 psi w/avg rate of 24.8 BPM. ISIP 3370 psi. Calc flush: 5372 gal. Actual flush: 4956 gal.
11-08-05	5122-5132'	<b>Frac LODC sands as follows:</b> 34329# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 2632 psi w/avg rate of 24.8 BPM. ISIP 2720 psi. Calc flush: 5120 gal. Actual flush: 4830 gal.
11-09-05	4916-4954'	<b>Frac A1, &amp; A3 sands as follows:</b> 75312# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1787 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4914 gal. Actual flush: 3906 gal.
11-09-5	4036-4042'	<b>Frac GB6 sands as follows:</b> 25272# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 2043 w/ avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4034 gal. Actual flush: 3948 gal.
6/8/09		<b>Pump Change.</b> Updated rod & tubing details.
12/19/12		<b>Convert to Injection Well</b>
12/20/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
11-01-05	5374-5380'	4	JSPF 24 holes
11-08-05	5122-5132'	4	JSPF 40 holes
11-08-05	4942-4954'	4	JSPF 48 holes
11-08-05	4916-4921'	4	JSPF 20 holes
11-09-05	4036-4042'	4	JSPF 24 holes



**NEWFIELD**

**Jonah Federal 16-14-9-16**  
 657' FSL & 758' FEL  
 SE/SE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32698; Lease #UTU-096547

## FEDERAL 1-23-9-16

Spud Date: 12/06/07  
 Put on Production: 02/11/08  
 GL: 5651' KB: 5663'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.17')  
 DEPTH LANDED: 321'  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: To Surface w/160sx of class 'G' cement

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5815'  
 DEPTH LANDED: 5784'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx of Prmlite II and 400 sx of 50/50 poz.  
 CEMENT TOP: 91'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5430.4')  
 TUBING ANCHOR: 5442' KB  
 NO. OF JOINTS: 1 jt (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5476.7' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 TOTAL STRING LENGTH: EOT @ 5541' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2', 1-4' x 3/4" pony rod, 2-8' x 3/4" pony rods, 99- 3/4" guided rods, 89- 3/4" sucker rods, 20- 3/4" guided rods, 6- 1 1/2" sinker bars  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM

### FRAC JOB

2/19/08 5365-5373  
**Frac CP1 sds** w/ 22,746#s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Calc flush: ? Actual Flush: 4830 gals.

2/19/08 4898-4916  
**Frac A1 & A3 sds** w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

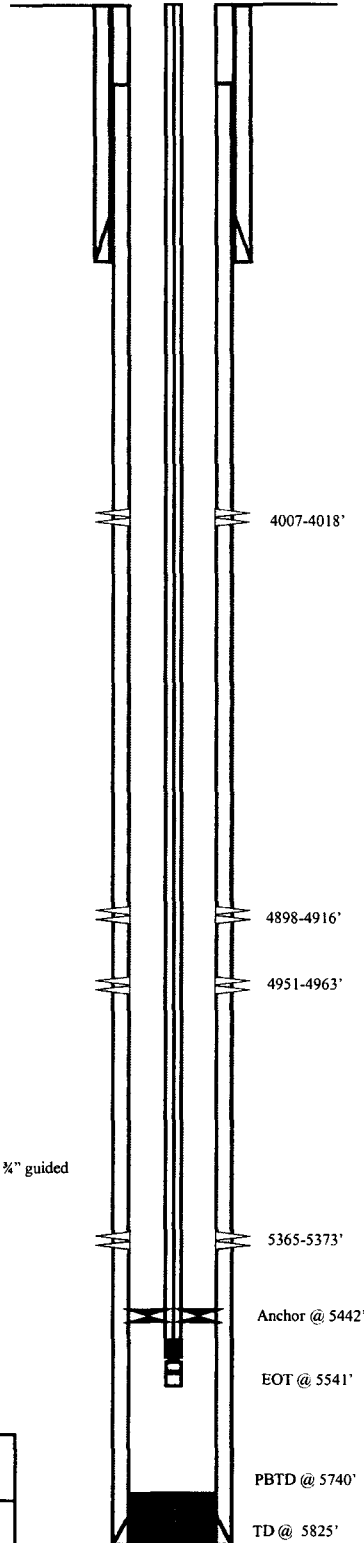
2/19/08 4951-4963  
**Frac A1 & A3 sds** w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.

2/19/08 4007-4018  
**Frac GB6 sds** w/ 43,024#s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Calc flush: ? Actual Flush: 3948 gals.

10/8/08 Pump change. Updated rod & tubing details.  
 2/1/2010 Pump change. Updated rod and tubing detail.  
 12/22/2010 Tubing Leak. Update rod and tubing details  
 01/18/2011 Pump Change. Rods & tubing details updated.

### PERFORATION RECORD

02/12/08	5365-5373	4 JSPF	32 holes
02/19/08	4951-4963	4 JSPF	48 holes
02/19/08	4898-4916	4 JSPF	72 holes
02/19/08	4007-4018	4 JSPF	44 holes



**NEWFIELD**

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**FEDERAL 1-23-9-16**

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855

# NEWFIELD

## GMBU C-23-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/SW Section 14, T9S, R16E; 539' FSL & 1,695' FWL

Elevation: 5746' GL + 13' KB

API Number: 43-013-51682; Lease Number: UTU-096547

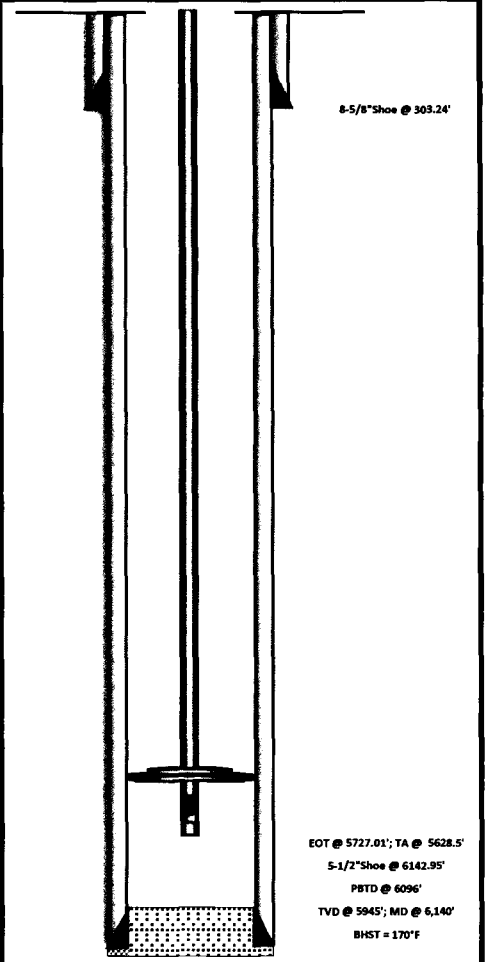
Sam Styles

PFM 1/21/14

Spud Date: 5/30/13

Pop Date: 7/12/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/Rt	Coupling	Hole
	Surf	13'	303'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8,097"	2.6749	STC	12.250
Prod	13'	6,143'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4,950"	0.9997	LTC	7.875	
Tubing Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	13'	5,727'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2,441"	Tubing Anchor Set @ 5,629'		
Rod Detail	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5650'				
	Pony Rod		30'	50'	7/8"	Tenaris D78	20	1					
	4per Guided Rod		50'	1,800'	7/8"	Tenaris D78	1,750	70					
	4per Guided Rod		1,800'	4,900'	3/4"	Tenaris D78	3,100	124					
8per Guided Rod		4,900'	5,650'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	4,155'	4,156'	2	0.34	7/1/2013	Formation:	GB-6	GB-4					
	4,163'	4,165'	2	0.34	7/1/2013	20/40 White:	119,460 lbs	15% HCl:	0 gals				
	4,170'	4,171'	2	0.34	7/1/2013	Slickwater:	4,674 gals	17# Delta 140:	37,287 gals				
	4,210'	4,212'	2	0.34	7/1/2013	FG=	0.870 psi/ft	Load to Recover:	41,961 gals				
	4,214'	4,215'	2	0.34	7/1/2013			Max STP:	3,311 psi				
	4,225'	4,227'	2	0.34	7/1/2013								
	4,246'	4,248'	2	0.34	7/1/2013								
3	0'	0'	2	-	-	Formation:	D-3	D-1					
	4,713'	4,714'	2	0.34	7/1/2013	20/40 White:	85,200 lbs	15% HCl:	500 gals				
	4,716'	4,718'	2	0.34	7/1/2013	Slickwater:	5,320 gals	17# Delta 140:	24,902 gals				
	4,722'	4,723'	2	0.34	7/1/2013	FG=	0.840 psi/ft	Load to Recover:	30,222 gals				
	4,729'	4,730'	2	0.34	7/1/2013			Max STP:	2,799 psi				
	4,733'	4,735'	2	0.34	7/1/2013								
	4,803'	4,807'	2	0.34	7/1/2013								
2	0'	0'	2	-	-	Formation:	A-3	A-1					
	0'	0'	2	-	-	20/40 White:	65,200 lbs	15% HCl:	500 gals				
	0'	0'	2	-	-	Slickwater:	5,696 gals	17# Delta 140:	19,442 gals				
	0'	0'	2	-	-	FG=	0.810 psi/ft	Load to Recover:	25,638 gals				
	5,094'	5,097'	2	0.34	7/1/2013			Max STP:	2,692 psi				
	5,211'	5,213'	2	0.34	7/1/2013								
	5,215'	5,218'	2	0.34	7/1/2013								
1	0'	0'	3	-	-	Formation:	CP-2						
	0'	0'	3	-	-	20/40 White:	15,300 lbs	15% HCl:	750 gals				
	0'	0'	3	-	-	Slickwater:	6,192 gals	17# Delta 140:	6,279 gals				
	0'	0'	3	-	-	FG=	0.770 psi/ft	Load to Recover:	13,221 gals				
	0'	0'	3	-	-			Max STP:	3,490 psi				
	0'	0'	3	-	-								
	5,633'	5,639'	3	0.34	7/1/2013								
CEMENT	Surf	On 5/31/13 cement w/Pro Petro w/160 sks of class G+2%kc+25%CF mixed @ 15.8ppg and 1.17 yield. Returned 3 bbls to pit, bump plug to 600psi											
	Prod	On 6/19/13 cement production casing W/260 sx lead 11.0 ppg cement followed by 470 sx 14.4 ppg tail cement Bumped plug floats held. 25 bbls back to reserve pit. TOC @ 50'.											



EOT @ 5727.01'; TA @ 5628.5'  
 5-1/2" Shoe @ 6142.95'  
 PBTD @ 6096'  
 TVD @ 5945'; MD @ 6,140'  
 BHST = 170'F

**Multi-Chem Analytical Laboratory**

1553 East Highway 40  
Vernal, UT 84078

**multi-chem**<sup>®</sup>

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FEDERAL 8-23-9-18**  
Sample Point: **Wellhead**  
Sample Date: **6/17/2013**  
Sample ID: **WA-245621**

Sales Rep: **Michael McBride**  
Lab Tech: **Layne Wilkerson**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	6/21/2013	Sodium (Na):	8656.21	Chloride (Cl):	12000.00
System Temperature 1 (°F):	120	Potassium (K):	27.78	Sulfate (SO <sub>4</sub> ):	32.00
System Pressure 1 (psig):	60	Magnesium (Mg):	10.44	Bicarbonate (HCO <sub>3</sub> ):	2440.00
System Temperature 2 (°F):	210	Calcium (Ca):	13.50	Carbonate (CO <sub>3</sub> ):	
System Pressure 2 (psig):	60	Strontium (Sr):	5.69	Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	1.013	Barium (Ba):	6.64	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	9.00	Iron (Fe):	3.58	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	23210.67	Zinc (Zn):	0.22	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	0.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.08	Silica (SiO <sub>2</sub> ):	14.53
H <sub>2</sub> S in Water (mg/L):	0.00				

**Notes:**

**B=18.38**

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.82	11.63	0.00	0.00	0.00	0.00	3.22	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	1.78	11.61	0.02	0.15	0.00	0.00	3.19	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	1.74	11.59	0.04	0.32	0.00	0.00	3.15	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	1.70	11.57	0.07	0.51	0.00	0.00	3.11	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	1.67	11.55	0.10	0.72	0.00	0.00	3.07	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	1.63	11.52	0.13	0.95	0.00	0.00	3.03	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	1.60	11.50	0.18	1.19	0.00	0.00	2.98	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	1.57	11.48	0.22	1.44	0.00	0.00	2.94	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	1.54	11.45	0.27	1.70	0.00	0.00	2.89	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	1.51	11.43	0.33	1.96	0.00	0.00	2.84	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

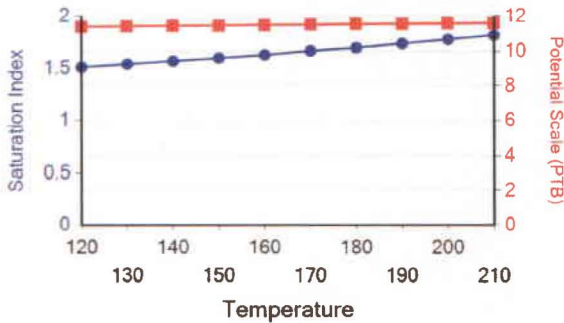
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.15	0.00	0.00	8.04	17.60	3.88	9.08	13.11	2.78
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.15	0.00	0.00	7.70	17.59	3.69	9.06	12.89	2.78
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.86	0.15	0.00	0.00	7.35	17.57	3.50	9.02	12.67	2.78
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.15	0.00	0.00	7.00	17.55	3.31	8.98	12.45	2.78
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.14	0.00	0.00	6.64	17.51	3.11	8.92	12.22	2.78
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.14	0.00	0.00	6.27	17.45	2.91	8.85	12.00	2.78
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.14	0.00	0.00	5.90	17.37	2.71	8.76	11.78	2.78
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.14	0.00	0.00	5.53	17.24	2.51	8.64	11.55	2.78
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.14	0.00	0.00	5.15	17.07	2.31	8.49	11.33	2.78
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.14	0.00	0.00	4.77	16.82	2.11	8.29	11.11	2.78

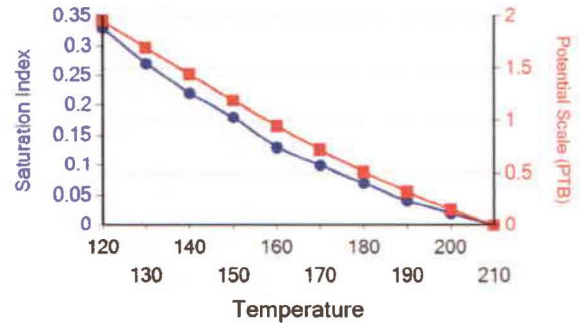
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

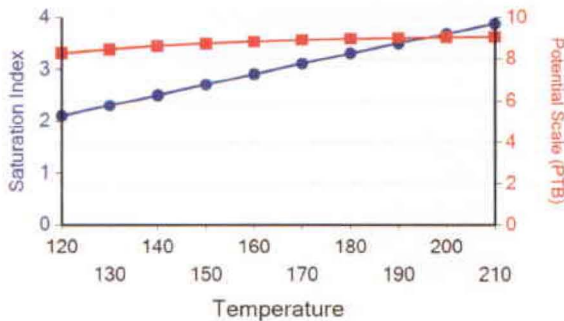
Calcium Carbonate



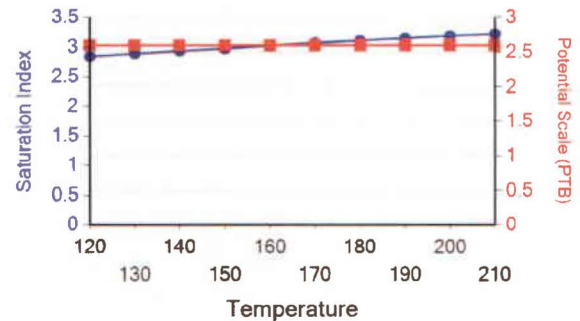
Barium Sulfate



Ca Mg Silicate

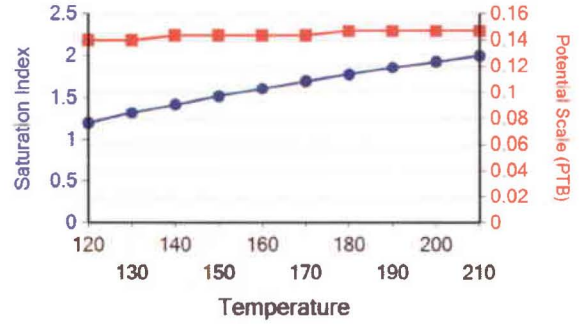


Iron Carbonate

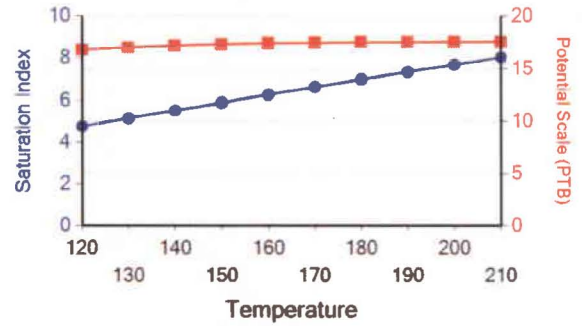


Water Analysis Report

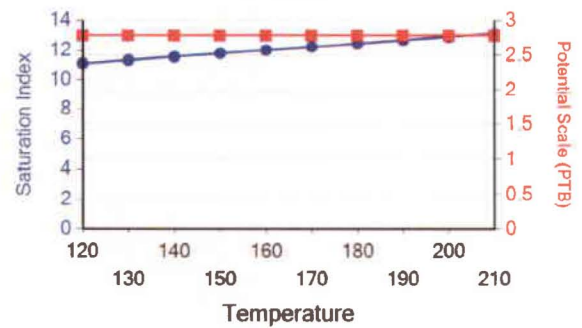
Zinc Carbonate



Mg Silicate



Fe Silicate



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Michael McBride**

Well Name: **BELUGA INJECTION**

Lab Tech: **Gary Peterson**

Sample Point: **After Filters**

Sample Date: **11/28/2012**

Sample ID: **WA-228948**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/5/2012	Sodium (Na):	2814.83	Chloride (Cl):	4000.00
System Temperature 1 (°F):	120.00	Potassium (K):	20.00	Sulfate (SO <sub>4</sub> ):	460.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	47.00	Bicarbonate (HCO <sub>3</sub> ):	512.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	79.00	Carbonate (CO <sub>3</sub> ):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	1.003	Barium (Ba):	0.14	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	7.40	Iron (Fe):	0.17	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	7933.86	Zinc (Zn):	0.02	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	13.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.70	Silica (SiO <sub>2</sub> ):	
H <sub>2</sub> S in Water (mg/L):	7.00				

**Notes:**

11:30

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.96	36.46	0.00	0.00	1.15	0.09	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01
200.00	60.00	0.89	33.50	0.00	0.00	1.11	0.09	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.13	0.01
190.00	60.00	0.81	30.53	0.00	0.00	1.06	0.08	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.01
180.00	60.00	0.73	27.58	0.00	0.00	1.03	0.08	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.01
170.00	60.00	0.66	24.68	0.02	0.00	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.01
160.00	60.00	0.59	21.85	0.05	0.01	0.97	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.01
150.00	60.00	0.52	19.12	0.08	0.01	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48	0.01
140.00	60.00	0.45	16.50	0.12	0.02	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.57	0.01
130.00	60.00	0.39	14.02	0.17	0.03	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.01
120.00	60.00	0.33	11.69	0.23	0.04	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01



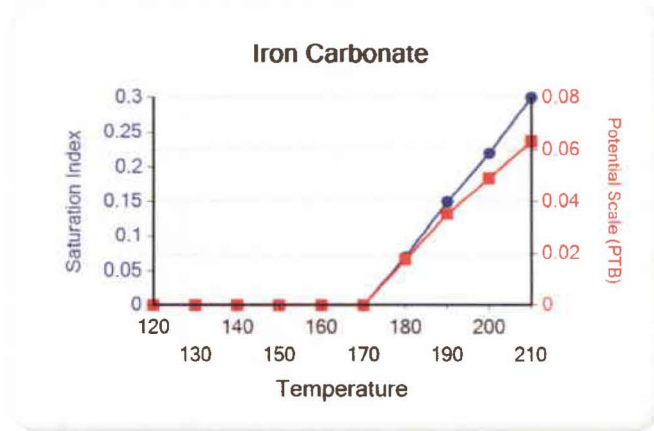
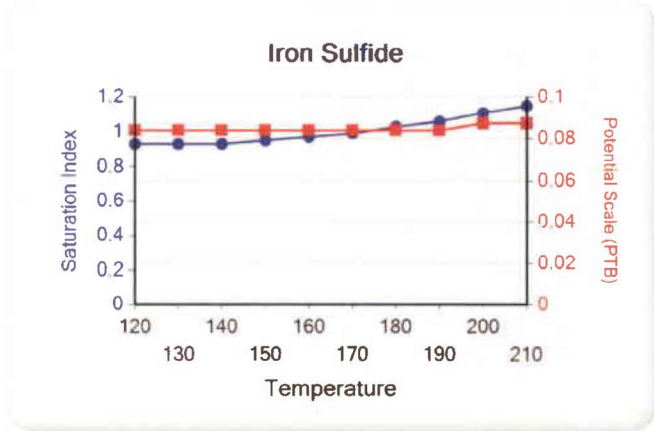
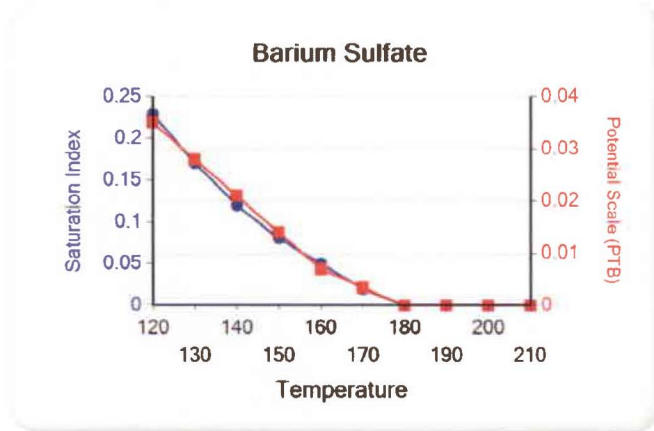
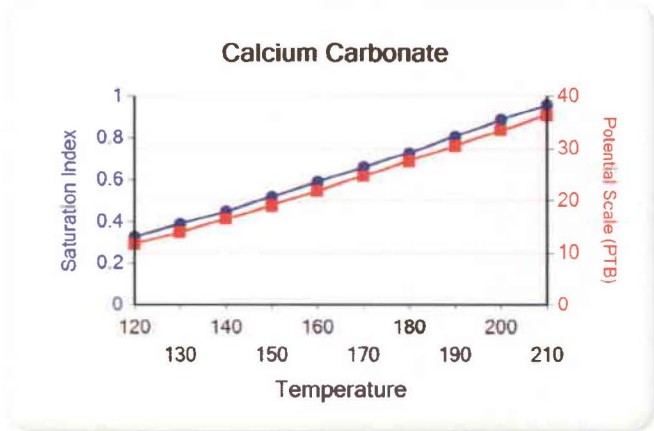
**Multi-Chem Analytical Laboratory**  
 1553 East Highway 40  
 Vernal, UT 84078

## Water Analysis Report

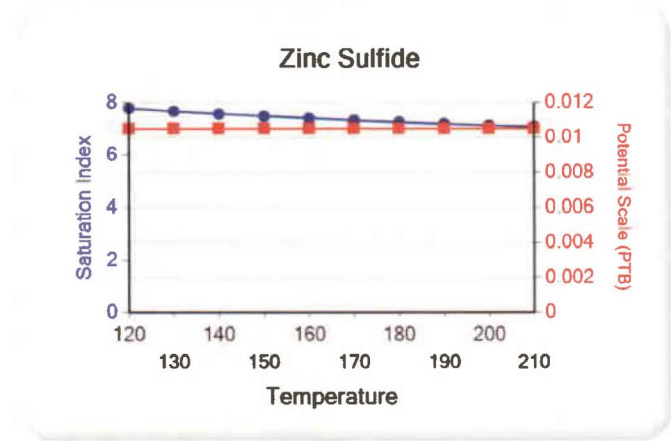
Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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



Water Analysis Report



**Attachment "G"**

**Federal #8-23-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4885	4951	4918	2249	0.89	2217
4725	4733	4729	1943	0.84	1912
4454	4463	4459	1971	0.88	1942
5000	5052	5026	1702	0.77	1670
				<b>Minimum</b>	<u><u>1670</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 Activity Report**

Format For Sundry

**FEDERAL 8-23-9-16**

12/1/2007 To 4/29/2008

**2/7/2008 Day: 1****Completion**

Rigless on 2/6/2008 - 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 LLC WLT w/ mast & run CBL under pressure. WLTD @ 5705' & cement top @ 80'. Perforate stage #1. A3 sds @ 4939- 51', A1 sds @ 4885- 4902' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 116 shots. 137 BWTR. SIFN.

**2/13/2008 Day: 2****Completion**

Rigless on 2/12/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac A sds, stage #1 down casing w/ 135,331#'s of 20/40 sand in 1006 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing (took 45 bbls to load casing). Perfs broke down @ 1902 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 2046 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1143 bbls EWTR. ISIP was 2249. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' perf gun. Set plug @ 4820'. Perforate B1 sds @ 4725-33' w/ 3-1/8" Slick Guns ( 23 gram, .43"HE, 90° ) w/ 4 spf for total of 32 shots. RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 31,069#'s of 20/40 sand in 395 bbls of Lightning 17 frac fluid. Open well w/ 1090 psi on casing. Perfs broke down @ 2948 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1821 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1538 bbls EWTR. ISIP was 1943. Leave pressure on well. RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 4560'. Perforate D1 sds @ 4454-63' w/ 4 spf for total of 36 shots. RU BJ & frac stage #3 w/ 45,231#'s of 20/40 sand in 429 bbls of Lightning 17 frac fluid. Open well w/ 1580 psi on casing. Perfs broke down @ 2331 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1900 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. 1967 bbls EWTR. ISIP was 1971. Leave pressure on well. RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 4130'. Perforate GB6 sds @ 4015-24' w/ 4 spf for total of 36 shots. RU BJ & frac stage #4 w/ 39,181#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 1712 psi on casing. Perfs broke down @ 3410 psi. Pump 30 gal of Techna Hib chemical. Treated @ ave pressure of 1813 w/ ave rate of 23.4 bpm w/ 8 ppg of sand. 2370 bbls EWTR. ISIP was 1702. RD BJ & WLT. Flow well back. Well flowed for 4 hours & died w/ 300 bbls rec'd. SIFN.

**2/14/2008 Day: 3****Completion**

Western #4 on 2/13/2008 - MIRUSU. Thaw well out. Open well w/ 220 psi on casing. RD Cameron BOP's & 5K frac head. Instal 3K production tbg head & Schaefer BOP's. RU 4-3/4" Chomp bit (new) & bit sub. Tally & pickup of trailer (used) J-55, 6.5#, 2-7/8" tbg. TIH w/ 128 jts to tag fill @ 4035'. C/O to plug @ 4130'. RU swivel, pump & tanks. Drlg out plug #1. TIH w/ tbg to tag fill @ 4488'. C/O sand to plug @ 4560'. Drlg out plug #2. TIH w/ tbg to tag plug @ 4820'. Drlg out plug #3. TIH w/ tbg to tag sand @ 5577'. C/O to PBD @ 5738'. SIFN.

**2/15/2008 Day: 4****Completion**

Western #4 on 2/14/2008 - MIRUSU. Thaw well out. Open well w/ vacuum psi on casing. RU swab equipment. IFL was 450'. Made 4 runs to rec's 45 bbls fluid. FFL was 800'. SIFN.

**2/16/2008 Day: 5****Completion**

Western #4 on 2/15/2008 - MIRUSU. Thaw well out. Open well w/ vacuum psi on casing. RU swab equipment. IFL was 900'. Made 16 runs to rec'd 140 bbls fluid. FFL was 2300' w/ last run shows no sand & trace of oil. RD swab. TIH w/ tbg to tag 5' of new sand. Circulate well clean to PBD @

5738'. TOOH w/ tbg. LD bit & bit sub. TIH w/ production string, NC, 2 jts tbg, SN, 2 jts tbg, TA (new) CDI w/ 45,000# shear, 155 jts tbg. RD BOP's. Set TA @ 4907' in 16,000#'s tension w/ SN @ 4775' & EOT @ 5040'. Flush tbg w/ 60 bbls water. Well drinking water. SIFN.

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2/19/2008 Day: 6

Completion

Western #4 on 2/18/2008 - Tbg on vacuum. PU & prime up CDI rod pump. PU & RIH w/ "B" grade rods as follows: CDI 2 1/2" X 1 1/2" X 15' RHAC, 6- 1 1/2" wt bars, 20- 3/4" guided rods, 72- 3/4" plain rods, 100- 3/4" guided rods, 1- 2', 1- 8' X 3/4" pony rods, 1 1/2" X 22' polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr. Stroke test w/ unit to 800 psi. RDMOSU. POP @ 2:00 PM w/ 86" SL @ 5 SPM. 2076 BWTR. FINAL REPORT!!!

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Pertinent Files: Go to File List

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3965'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 22 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 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 42 sx Class "G" cement down 5 ½" casing to 364'

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

## FEDERAL 8-23-9-16

Spud Date: 12/13/07  
 Put on Production: 02/18/08  
 GL: 5685' KB: 5697'

Initial Production: BOPD,  
 MCFD, BWPD

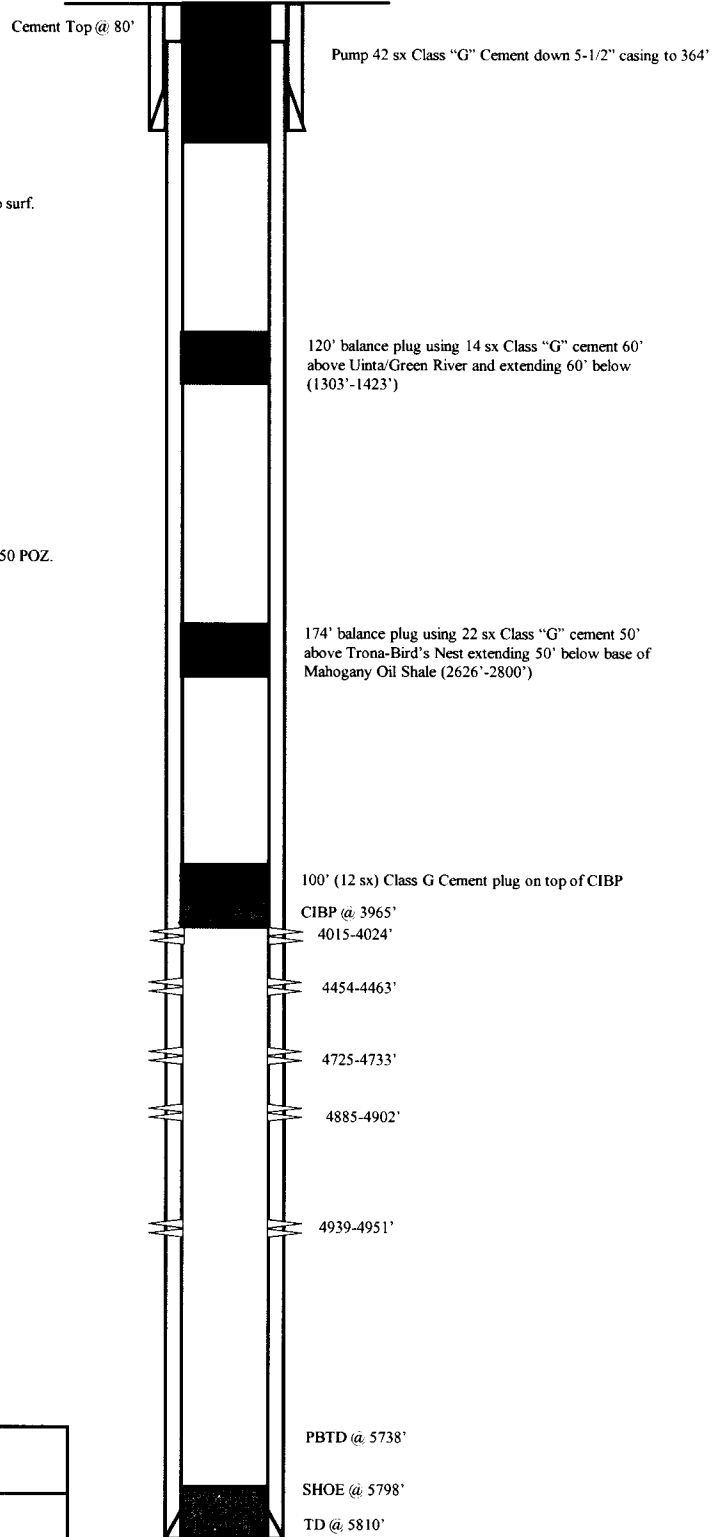
### Proposed P & A Wellbore Diagram


#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.37')  
 DEPTH LANDED: 314.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 134 jts. (5785.67')  
 DEPTH LANDED: 5797.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 80'




<b>FEDERAL 8-23-9-16</b> 1891' FNL & 535' FEL SE/NE Section 23-T9S-R16E Duchesne Co, Utah API #43-013-32961; Lease # UTU-15855

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES 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> UTU-15855	
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> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 8-23-9-16		
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013329610000		
<b>3. ADDRESS OF OPERATOR:</b> 4 WATERWAY SQUARE PL STE 100 , THE WOODLANDS, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1891 FNL 535 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 9S Range: 16E Meridian: S	<b>COUNTY:</b> DUCHESNE		
	<b>STATE:</b> 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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/17/2019	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>			
<p>On 01/14/2019 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/17/2019 the casing was pressured up to 1295 psig and charted for 20 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 963 psig during the test. There was a State representative available to witness the test - Orlan Wallace.</p>			
			<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p> <p>January 24, 2019</p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Field Production Assistant	
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/23/2019	



# Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company

Rt 3 Box 3630

Myton, UT 84052

435.646.3721

UDOGM Witness: ORLAN WALLACE Date: 1-17-19 Time: 12:40 am  pm

Test Conducted By: EVERETT UNRUH

Others Present: \_\_\_\_\_

Well Name: <u>Federal 8-23-9-16</u>			
Field: <u>Monument Butte</u>	County: <u>Duchesne</u>	State: <u>UT</u>	
Location: <u>SENE</u> Sec: <u>23</u>	T <u>9</u>	N <u>(S)</u>	R <u>16</u> <input checked="" type="radio"/> EW
Operator: <u>Newfield</u>		API # <u>43-013-32961</u>	
Last MIT: <u>2/25/2014</u>		Maximum Allowable Pressure: <u>1670</u> psig	

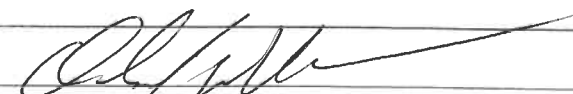
- Is this a regulary scheduled test?     Yes    { } No
- Initial Test for Permit?                { } Yes     No
- Test after well rework?                { } Yes     No
- Well injection during test?            { } Yes     No            If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing / tubing annulus pressure: 0 / 1 974 psig

MIT DATA TABLE	Test #1	Test #2
<b>TUBING PRESSURE</b>		
Initial Pressure	974 psig	psig
End of test pressure	963 psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>		
0 minutes	1287.2 psig	psig
5 minutes	1291.8 psig	psig
10 minutes	1293.4 psig	psig
15 minutes	1294.7 psig	psig
20 minutes	1295.0 psig	psig
25 minutes	psig	psig
30 minutes	psig	psig
_____ minutes	psig	psig
_____ minutes	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass    { } Fail	{ } Pass    { } Fail

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

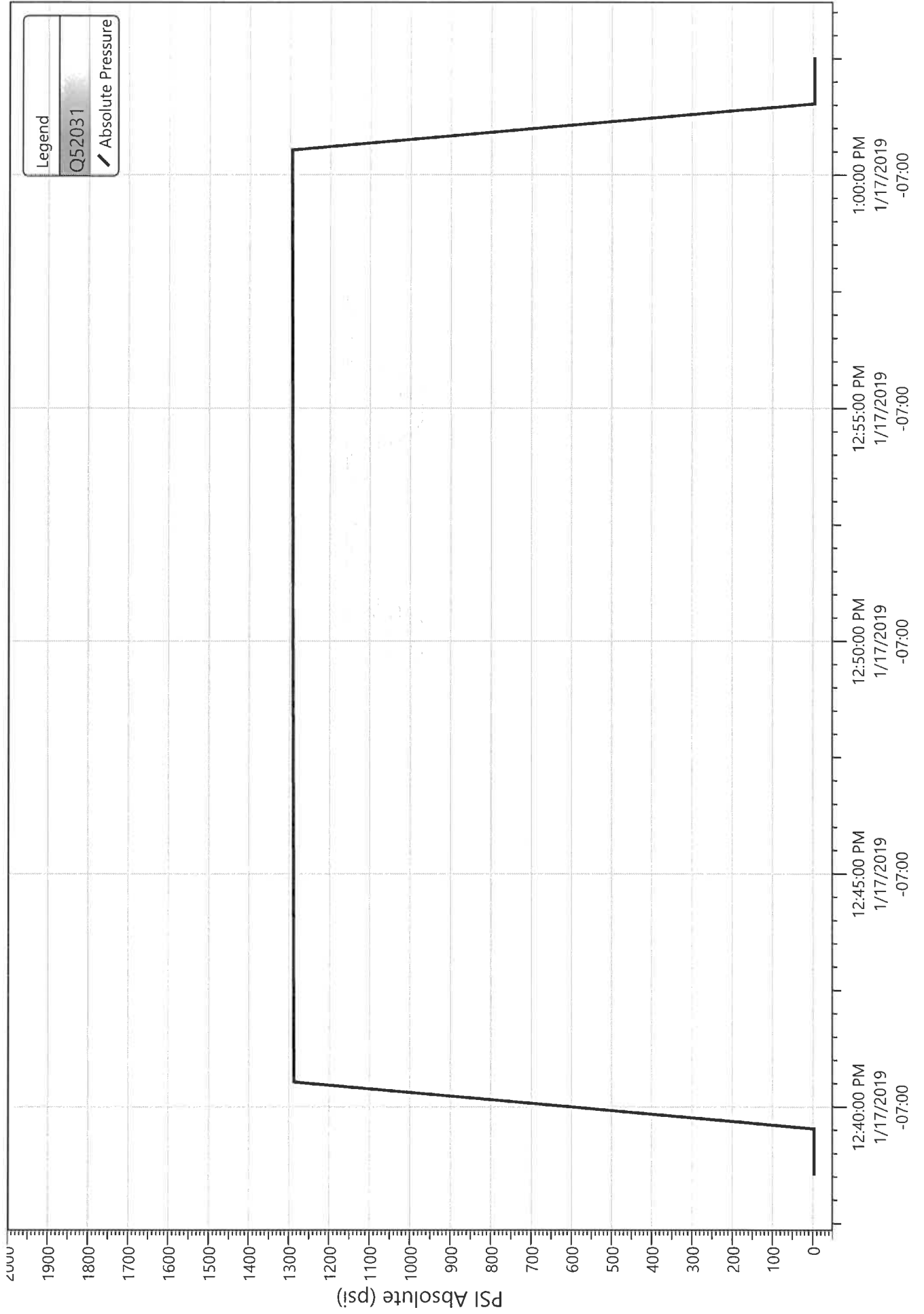
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: 

Signature of Person Conducting Test: 

Federal 8-23-9-16 (1/17/2019, 5 yr. MIT)

1/17/2019 12:37:53 PM



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

Effective Date: 1/24/2020

<b>FORMER OPERATOR:</b> Newfield Production Company	<b>NEW OPERATOR:</b> Ovintiv Production, Inc.
Groups: Greater Monument Butte	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4704

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
- Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
- New operator Division of Corporations Business Number: 755627-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
- Reports current for Production/Disposition & Sundries: 1/14/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020

Surface Facility(s) included in operator change:

- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17
- Ashley Fed 8-14-9-15 Pipeline
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Temporary Produced Water Conditioning Site
- Dart Temporary Produced Water Facility
- Earl Temporary Water Treatment Facility

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s):

- B001834.A
- 107238142-Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 1/14/2021

Group(s) update in RDBMS on: 1/14/2021

Surface Facilities update in RBDMS on: 1/14/2021

Entities Updated in RBDMS on:

**COMMENTS:**

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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**

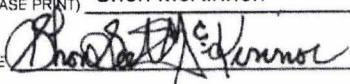
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER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

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

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:  
Newfield 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) 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: <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: <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: <b>Newfield Production Company</b>		8. WELL NAME and NUMBER: <b>see attached</b>
3. ADDRESS OF OPERATOR: 4. Waterway Square Place SU CITY The Woodlands    STATE TX    ZIP 77380		9. API NUMBER: <b>attached</b>
PHONE NUMBER: <b>(435) 646-4936</b>		10. FIELD AND POOL, OR WILDCAT: <b>attached</b>
4. LOCATION OF WELL		
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 (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is 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 <b>See attached list</b>	API Number <b>Attached</b>
Location of Well	Field or Unit Name <b>See Attached</b>
Footage : County :	Lease Designation and Number <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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES 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> UTU-15855
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> Greater Monument Butte
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> Federal 8-23-9-16	
<b>2. NAME OF OPERATOR:</b> Ovintiv Production, Inc.	<b>9. API NUMBER:</b> 43013329610000	
<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	<b>PHONE NUMBER:</b> 281-210-5100	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1891 FNL 535 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 9S Range: 16E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/7/2021	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
Ovintiv returned Federal 8-23-9-16 to injection on 7/7/21.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY (This is not an approval) July 21, 2021</b>		
<b>NAME (PLEASE PRINT)</b> Marisol Palomares	<b>PHONE NUMBER</b> 720-876-3019	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/19/2021	



Effective Date: 7/1/2021

<b>FORMER OPERATOR:</b> Ovintiv Production, Inc.	<b>NEW OPERATOR:</b> Ovintiv USA, Inc.
Groups: Greater Monument Butte	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4689  
 Pre-Notice Completed: 9/22/2021

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
- Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
- New operator Division of Corporations Business Number: 5053175-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021
- Reports current for Production/Disposition & Sundries: 9/22/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021
- Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): B001834-B  
 107238142A

**DATA ENTRY:**

Well(s) update in the RBDMS on: 11/24/2021

Group(s) update in RDBMS on: 11/21/2021

Surface Facilities update in RBDMS on: 11/24/2021

Entities Updated in RBDMS on: 11/24/2021

**COMMENTS:**

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additional bond will be required at this time.



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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:  
Ovintiv Production, Inc.

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
(281) 210-5100

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 7/1/2021	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NEW NAME:  
Ovintiv USA Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter

TITLE Manager, US Regulatory Operations

SIGNATURE *Julia M Carter*

DATE 9/8/2021

(This space for State use only)

**APPROVED**

By Utah Division of  
Oil, Gas, and Mining

*Rachel Medina*



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number See attached list	API Number Attached
Location of Well	Field or Unit Name See Attached
Footage : County :	Lease Designation and Number See Attached
QQ, Section, Township, Range: State : UTAH	

EFFECTIVE DATE OF TRANSFER: 7/1/2021

**CURRENT OPERATOR**

Company: <u>Ovintiv Production, Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

(This space for State use only) Approved by the  
Utah Division of  
Oil, Gas and Mining  
*[Signature]*  
Oct 04, 2021

EPA approval required  
Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

Effective Date: 9/1/2022

<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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A
		7. UNIT or CA AGREEMENT NAME: Greater Monument Butte Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: See attached Exhibit A	
2. NAME OF OPERATOR: Scout Energy Management, LLC		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 13800 Montfort Road, Suite 1 <small>CITY</small> Dallas <small>STATE</small> TX <small>ZIP</small> 75240	PHONE NUMBER: (972) 325-1096	10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached Exhibit A		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

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

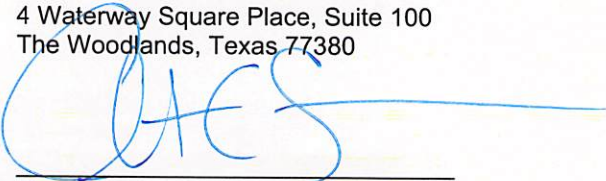
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	


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

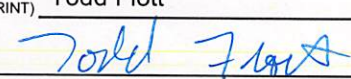
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:  
Ovintiv USA Inc.  
4 Waterway Square Place, Suite 100  
The Woodlands, Texas 77380

NEW OPERATOR:  
Scout Energy Management, LLC  
13800 Montfort Road, Suite 100  
Dallas, TX 75240

  
Signature - Christian C. Sizemore  
Director, Rockies and Land Innovation  
State/Fee Bond #105189977  
BLM Bond #105073466

  
Signature - Todd Flott  
Managing Director  
State/Fee Bond #612402460 / #61242461  
BLM Bond #612402462

NAME (PLEASE PRINT) <u>Todd Flott</u>	TITLE <u>Managing Director</u>
SIGNATURE 	DATE <u>8/31/2022</u>

(This space for State use only)

**APPROVED**  
By Rachel Medina at 10:58 am, Dec 21, 2022





**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number see attached list		API Number attached
Location of Well		Field or Unit Name see attached Exhibit A
Footage :	County : see attached	Lease Designation and Number see attached Exhibit A
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2022

**CURRENT OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Christian C. Sizemore</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Director, Rockies and Land Innovation</u>
Phone: <u>281-210-5100</u>	Date: <u>11/16/2022</u>
Comments: UIC wells under UDOGM Jurisdiction	

**NEW OPERATOR**

Company: <u>Scout Energy Management LLC</u>	Name: <u>Jon Piot</u>
Address: <u>13800 Montford Road, Suite 100</u>	Signature:
<u>city Dallas state TX zip 75240</u>	Title: <u>Managing Director</u>
Phone: <u>972-325-1027</u>	Date: <u>11/15/2022</u>
Comments: Change of operator effective 9/1/2022	

(This space for State use only)

EPA approval required

- Max Inj. Press.
- Max Inj. Rate
- Perm. Inj. Interval
- Packer Depth
- Next MIT Due

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-15855																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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.		<b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> Greater Monument Butte																														
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> Federal 8-23-9-16																															
<b>2. NAME OF OPERATOR:</b> Scout Energy Management, LLC	<b>9. API NUMBER:</b> 43013329610000																															
<b>3. ADDRESS OF OPERATOR:</b> 13800 Montfort Drive, Suite 100 , Dallas , TX, 75240	<b>PHONE NUMBER:</b> 972-277-1397	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1891 FNL 535 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 9S Range: 16E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH																															
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/30/2023  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text" value="MIT"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<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 style="width: 100px;" type="text" value="MIT"/>
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="MIT"/>																														
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> A 5 YR MIT was performed on the above listed well. On 11/30/2023 the casing was pressured up to 1068 PSIG and charted for 30 minutes with no pressure loss. The tubing was 1529 PSIG during the test. State representative, Eden Hartung, was not present during testing but gave her verbal approval.																																
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          (This is not an approval)          January 31, 2024</b>																																
<b>NAME (PLEASE PRINT)</b> Danene Harvey	<b>PHONE NUMBER</b> 972-325-1114	<b>TITLE</b> Sr. Regulatory Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/8/2023																															

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Scout EP  
1820 W Highway 40  
Roosevelt, UT 84066  
435.352.6282

Witness \_\_\_\_\_ Date: 11/30/23 Time: 11:10 <sup>am</sup> pm  
Test Conducted By: Jimmie Banks  
Others Present: \_\_\_\_\_ 43-013-32961

Well Name: <u>Federal 8-23-9-16</u>		County: <u>Duchesne</u>		State: <u>UT</u>	
Field: <u>Greater Monument Butte</u>	Location: <u>8</u>	Sec: <u>23</u>	T: <u>9</u>	N/O: <u>16</u>	R: <u>16</u> <input checked="" type="checkbox"/> W
Operator: <u>Scout EP</u>		Last MI: <u>1</u> / <u>1</u>			
				Maximum Allowable Pressure: <u>1670</u> psig	

Is this a regular 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 / 1529 psig

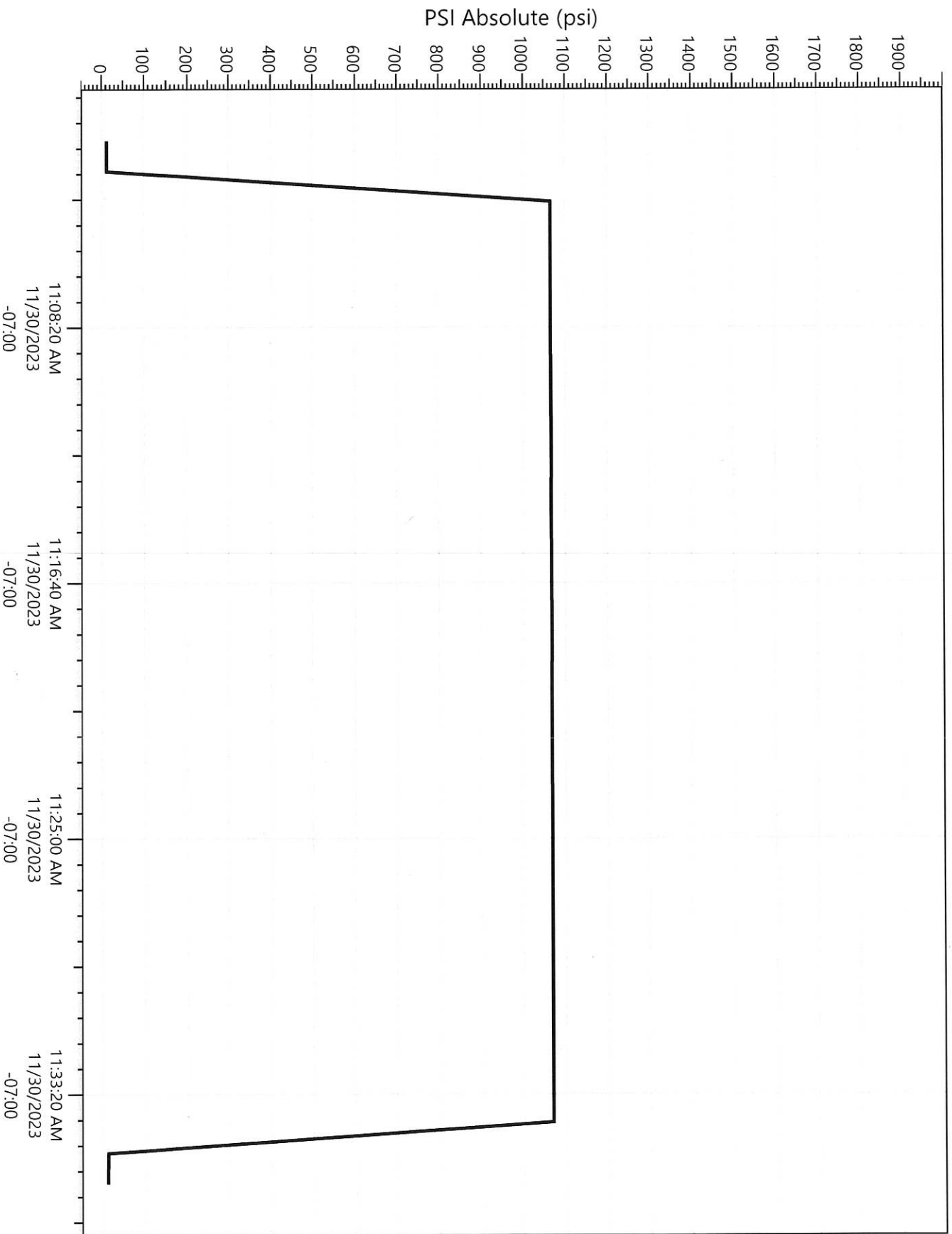
MIT DATA TABLE		Test #1	Test #2
TUBING PRESSURE			
Initial Pressure	<u>1529</u>	psig	psig
End of test pressure	<u>1527</u>	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1066</u>	psig	psig
5 minutes	<u>1066</u>	psig	psig
10 minutes	<u>1067</u>	psig	psig
15 minutes	<u>1067</u>	psig	psig
20 minutes	<u>1068</u>	psig	psig
25 minutes	<u>1068</u>	psig	psig
30 minutes	<u>1068</u>	psig	psig
_____ minutes		psig	psig
_____ minutes		psig	psig
RESULT	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> 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: \_\_\_\_\_  
 Signature of Person Conducting Test: Jimmie Banks

Federal 8-23-9-16  
11/30/2023 11:02:13 AM



Legend
P23439
Pressure