

NEWFIELD



February 3, 2006

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

RE: Applications for Permit to Drill: 11-9-9-16, 12-9-9-16, 13-9-9-16, 14-9-9-16,  
and 15-9-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 12-9-9-16 location 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,

A handwritten signature in cursive script that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
FEB 06 2006  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.  
UTU-79831

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 11-9-9-16

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SW 1984' FSL 1980' FWL 574553X 40.043557  
At proposed prod. zone 4432747Y -110.126076

9. API Well No.  
43-013-33050

10. Field and Pool, or Exploratory  
Monument Butte 165

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW Sec. 9, T9S R16E

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 15.6 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. 656' f/lse, NA' f/unit

16. No. of Acres in lease  
120.00

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. 1270'

19. Proposed Depth  
6165'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5842' GL

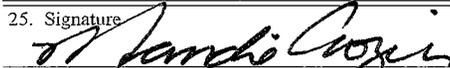
22. Approximate date work will start\*  
1st Quarter 2006

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

24. Attachments

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

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

25. Signature  Name (Printed/Typed) Mandie Crozier Date 2/2/06

Title Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 02-09-06

Title ENVIRONMENTAL SCIENTIST III

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

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

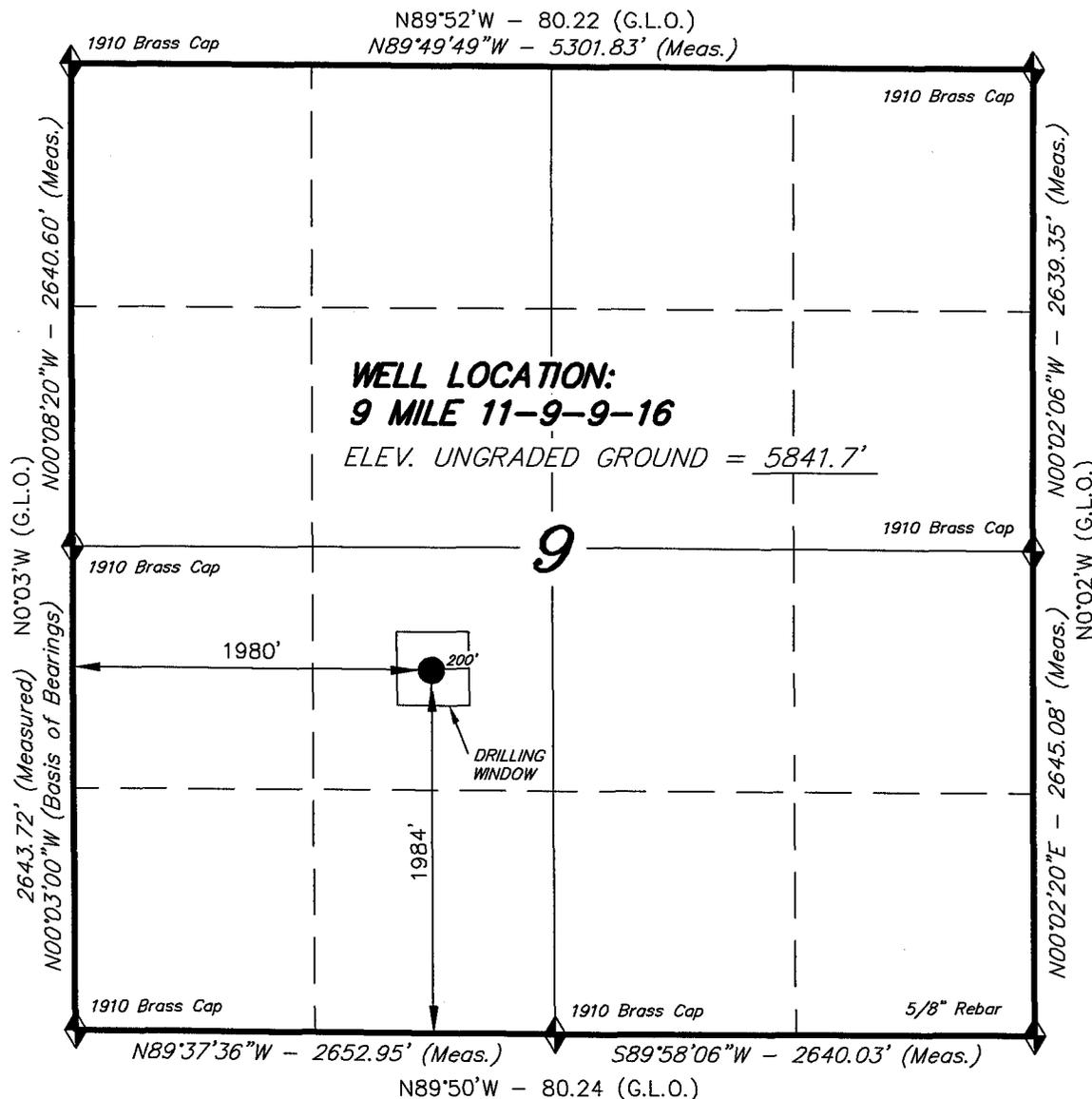
\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

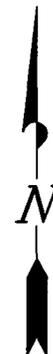
RECEIVED  
FEB 06 2006

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

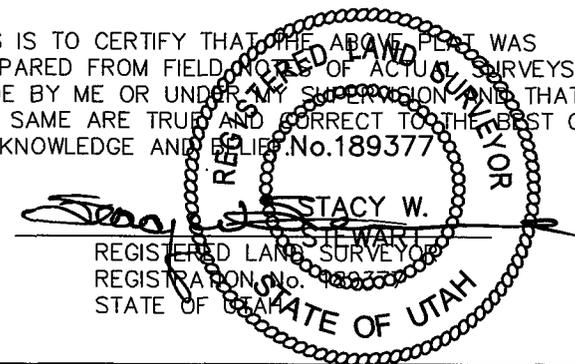
## NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 11-9-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 9, T9S, R16E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



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)

**WELL NAME**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 36.76"  
 LONGITUDE = 110° 07' 36.15"

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 1-6-06	SURVEYED BY: C.M.
DATE DRAWN: 1-10-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
FEDERAL #11-9-9-16  
NE/SW SECTION 9, 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' - 2510'
Green River	2510'
Wasatch	6165'

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

Green River Formation 2510' - 6165' - 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 #11-9-9-16  
NE/SW SECTION 9, 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 #11-9-9-16 located in the NE 1/4 SW 1/4 Section 9, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles ± to it's junction with an existing road to the southeast; proceed southeasterly - 0.4 miles ± to it's junction with an existing road to the north; proceed northeasterly - 2.5 miles ± to it's junction with the beginning of the proposed access road; proceed southwesterly along the proposed access road - 0.2 miles ± to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Arch Report #1030-01, 4/23/98. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #11-9-9-16 Newfield Production Company requests a 200' ROW be granted in Lease UTU-79833 and 970' of disturbed area be granted in Lease UTU-79831 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 1170' ROW in Lease UTU-79833 and 970' of disturbed area be granted in Lease UTU-79831 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 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.

Newfield Production Company requests a 1170' ROW in Lease UTU-79833 and 970' of disturbed area be granted in Lease UTU-79831 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **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:** Amy Torres to advise.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #11-9-9-16 was on-sited on 11/30/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (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

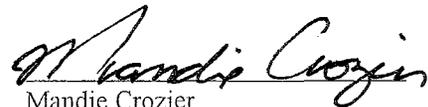
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #11-9-9-16 NE/SW Section 9, Township 9S, Range 16E: Lease UTU-79831 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.

2/3/06

Date

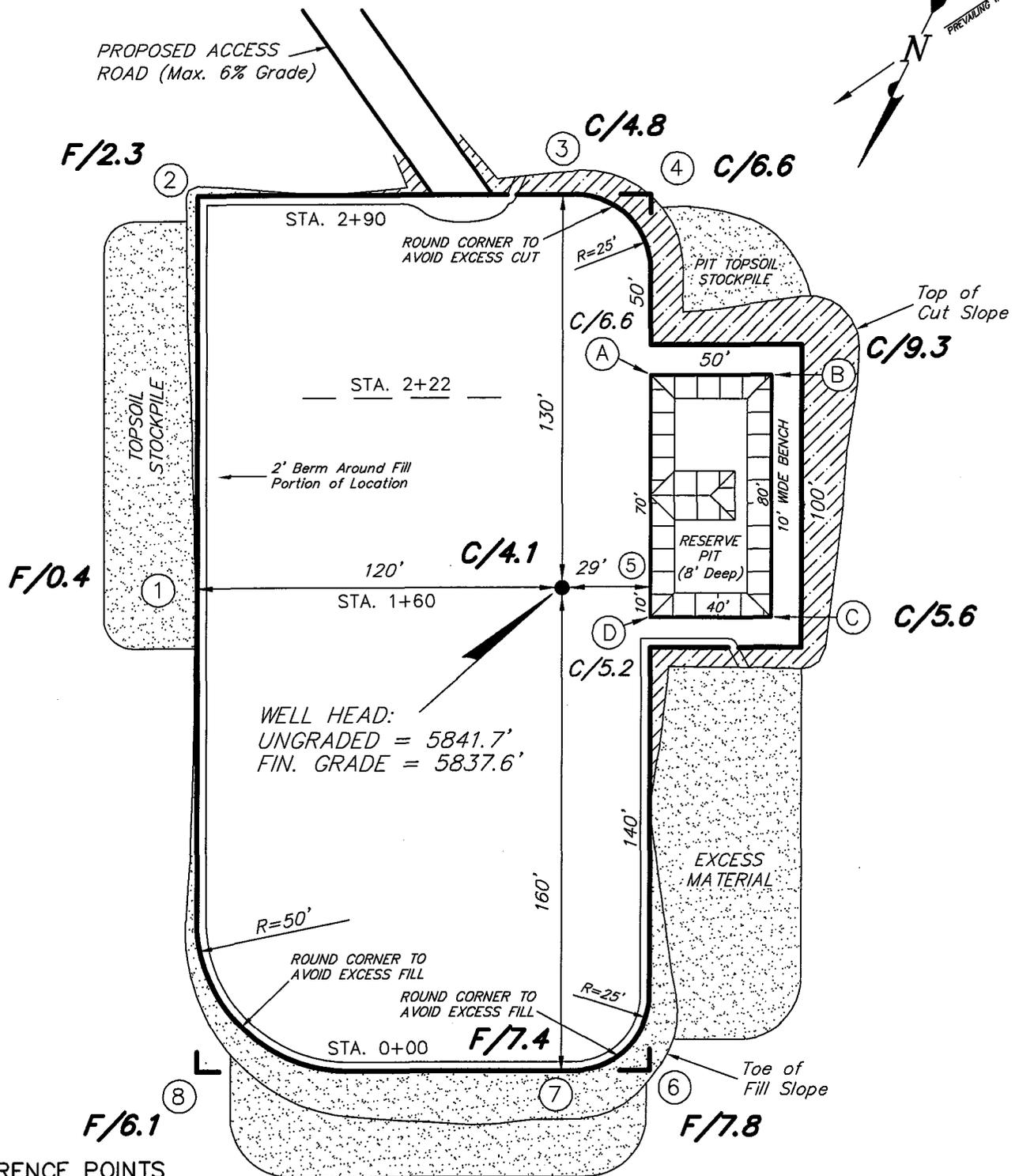


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 11-9-9-16

Section 9, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

- 210' NORTHWESTERLY = 5820.8'
- 260' NORTHWESTERLY = 5816.9'
- 170' NORTHEASTERLY = 5836.7'
- 220' NORTHEASTERLY = 5836.1'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

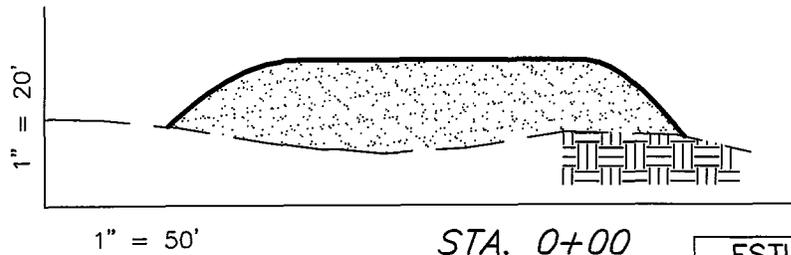
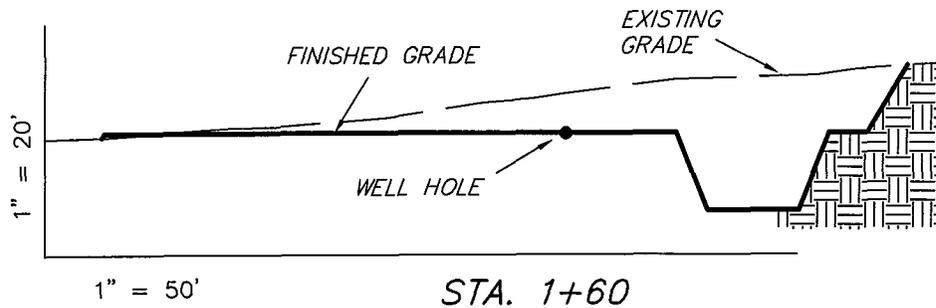
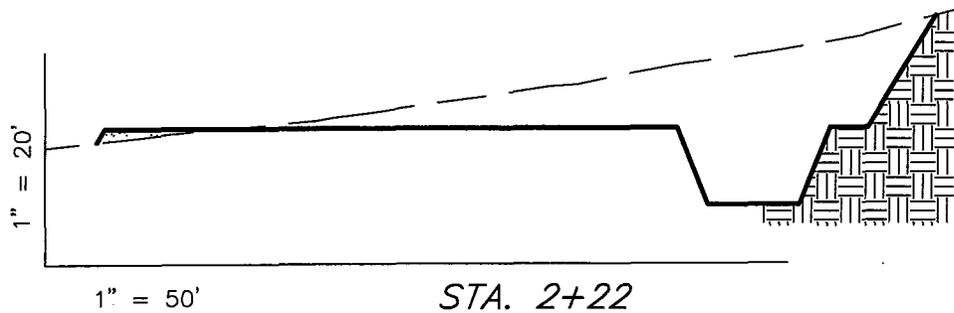
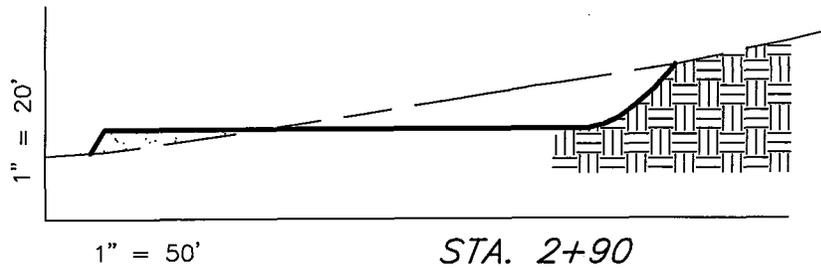
DATE: 1-10-06

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 11-9-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,250	3,250	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,890	3,250	1,010	640

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

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

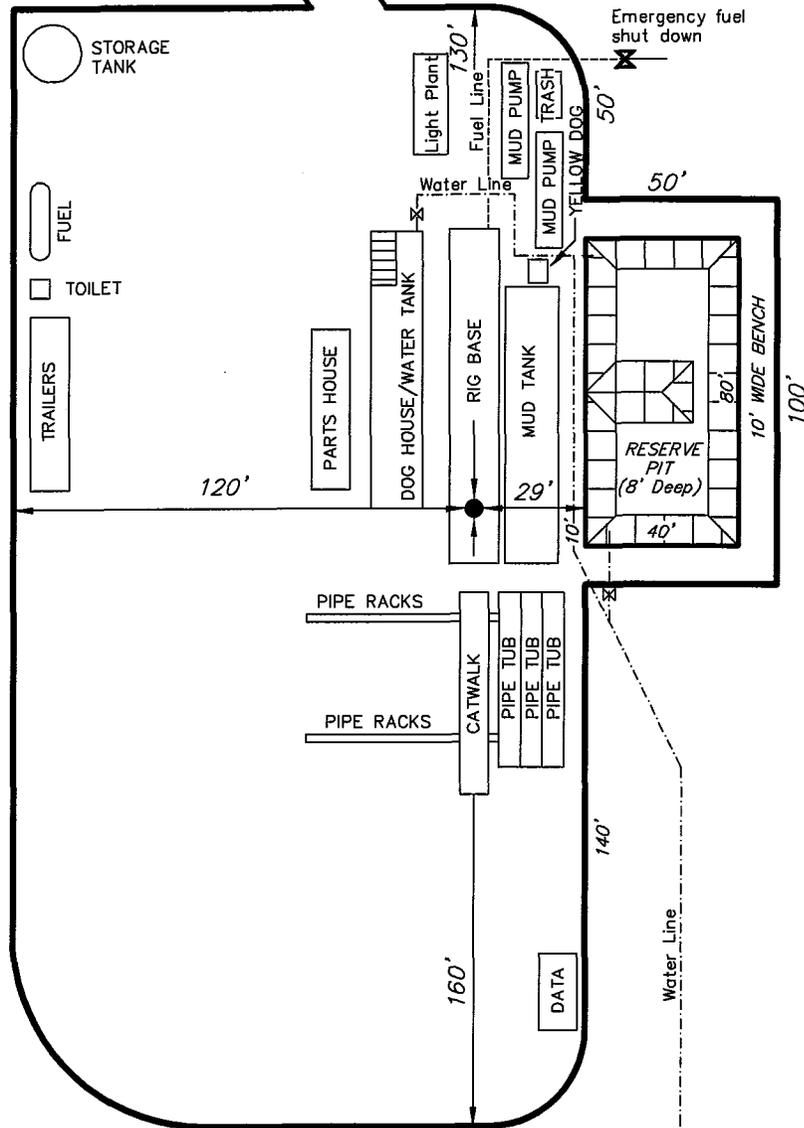
DATE: 1-10-06

Tri State  
Land Surveying, Inc.

(435) 781-2501

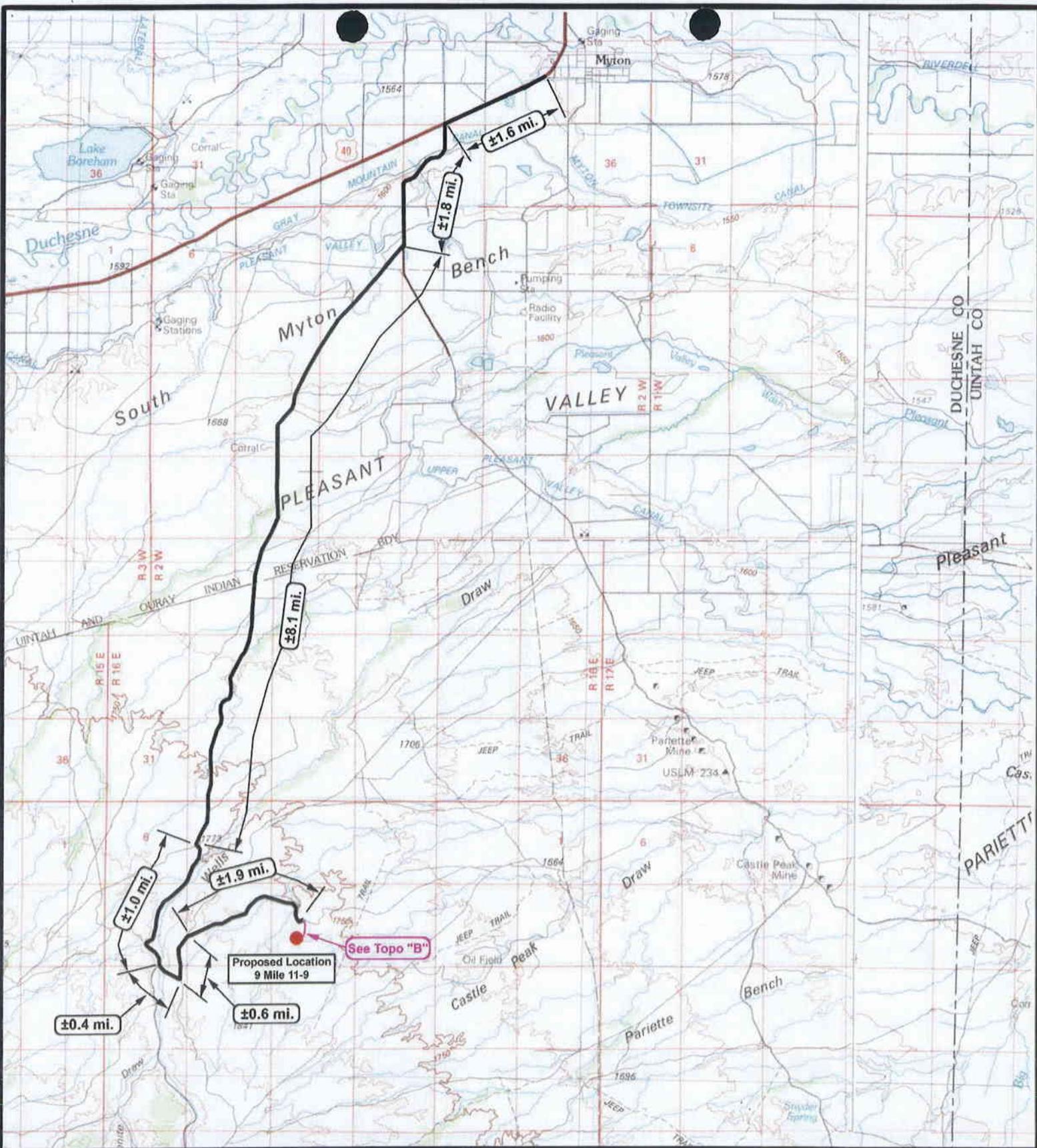
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**9 MILE 11-9-9-16**



SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 1-10-06

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




**NEWFIELD**  
Exploration Company

**9 Mile 11-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**



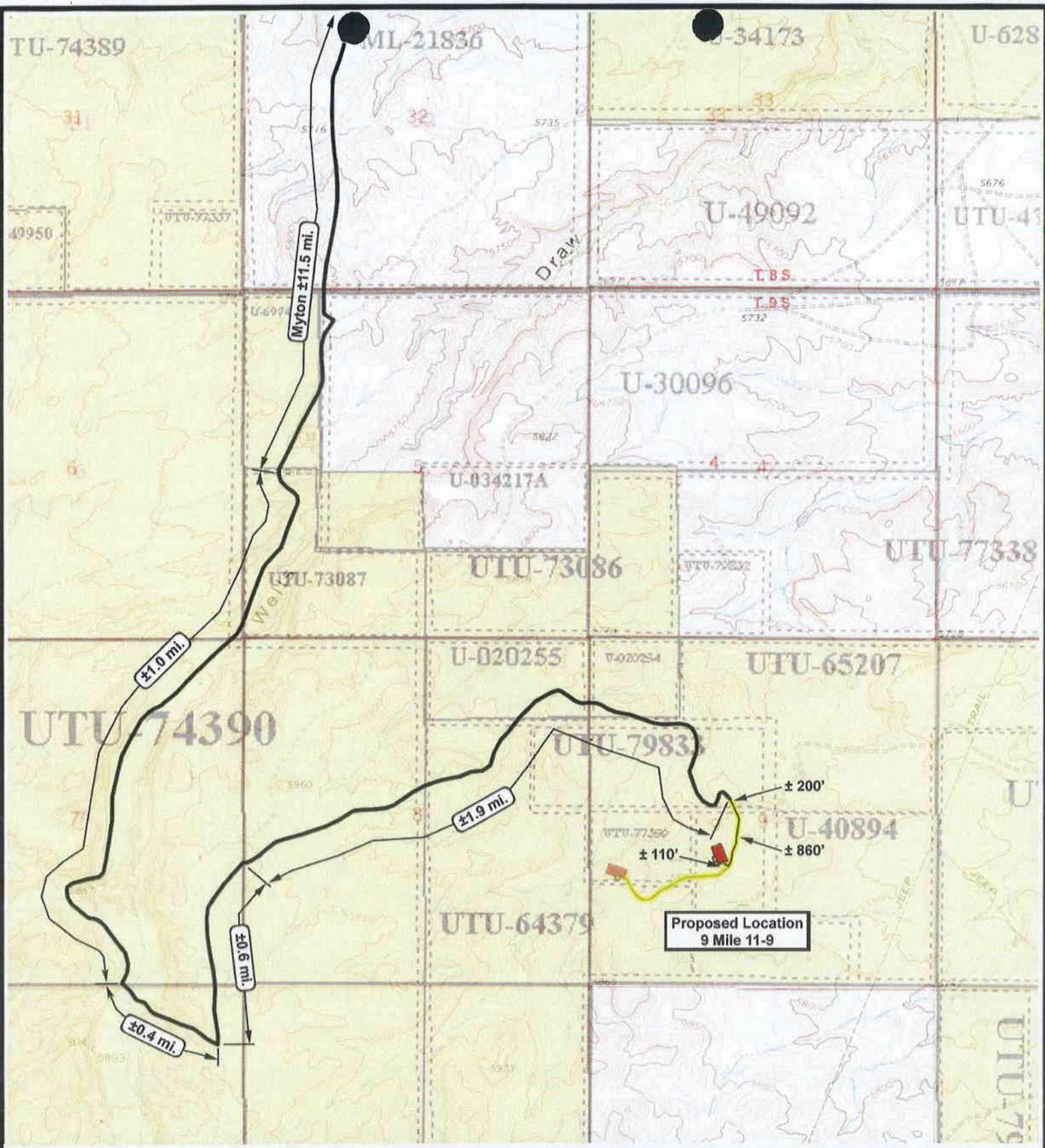

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 01-11-2006

**Legend**

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP  
**"A"**



 **NEWFIELD**  
Exploration Company

**9 Mile 11-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**

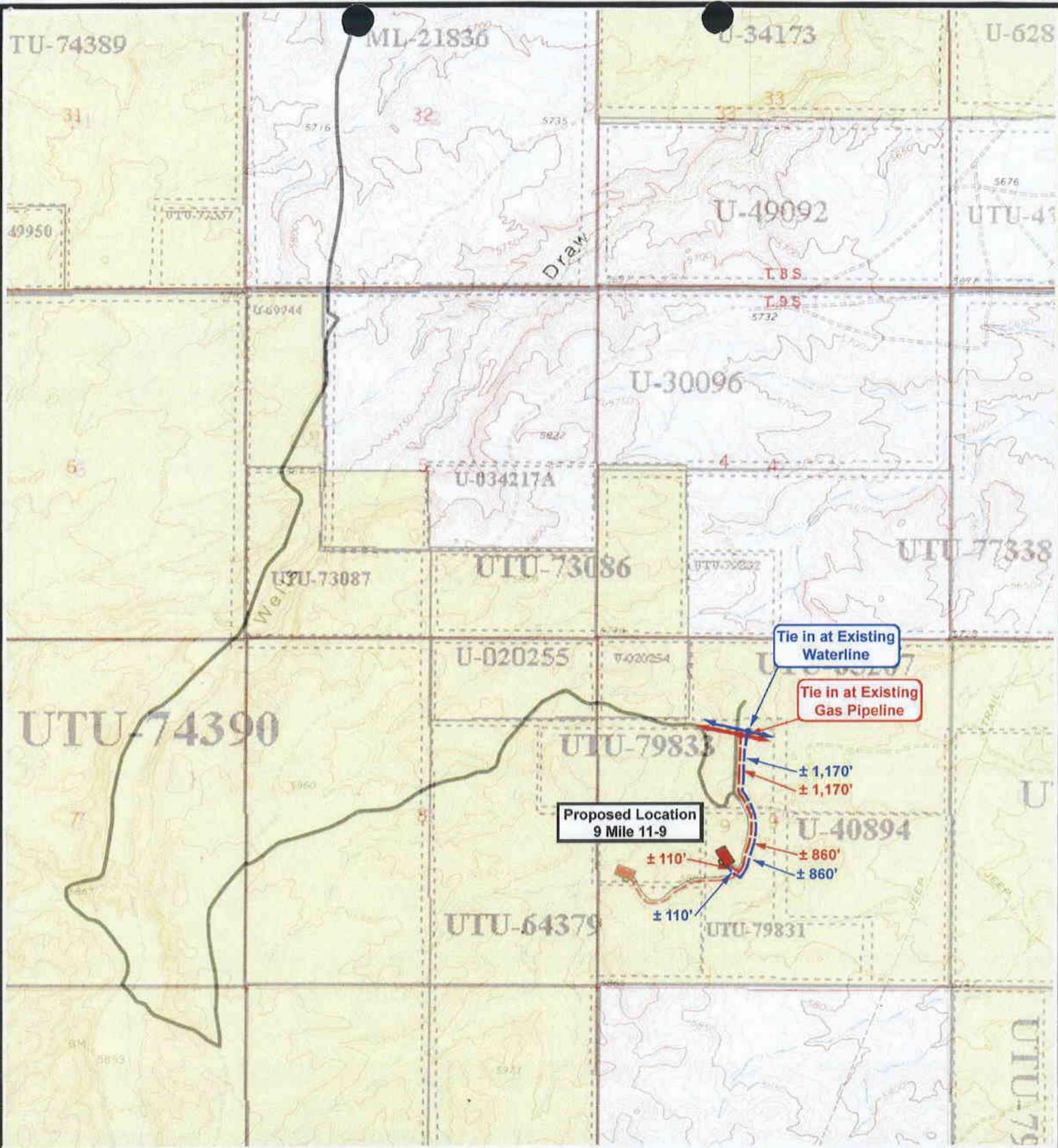
 **Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 01-11-2006

**Legend**

 Existing Road  
 Proposed Access

**TOPOGRAPHIC MAP**  
**"B"**



**NEWFIELD**  
Exploration Company

**9 Mile 11-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**



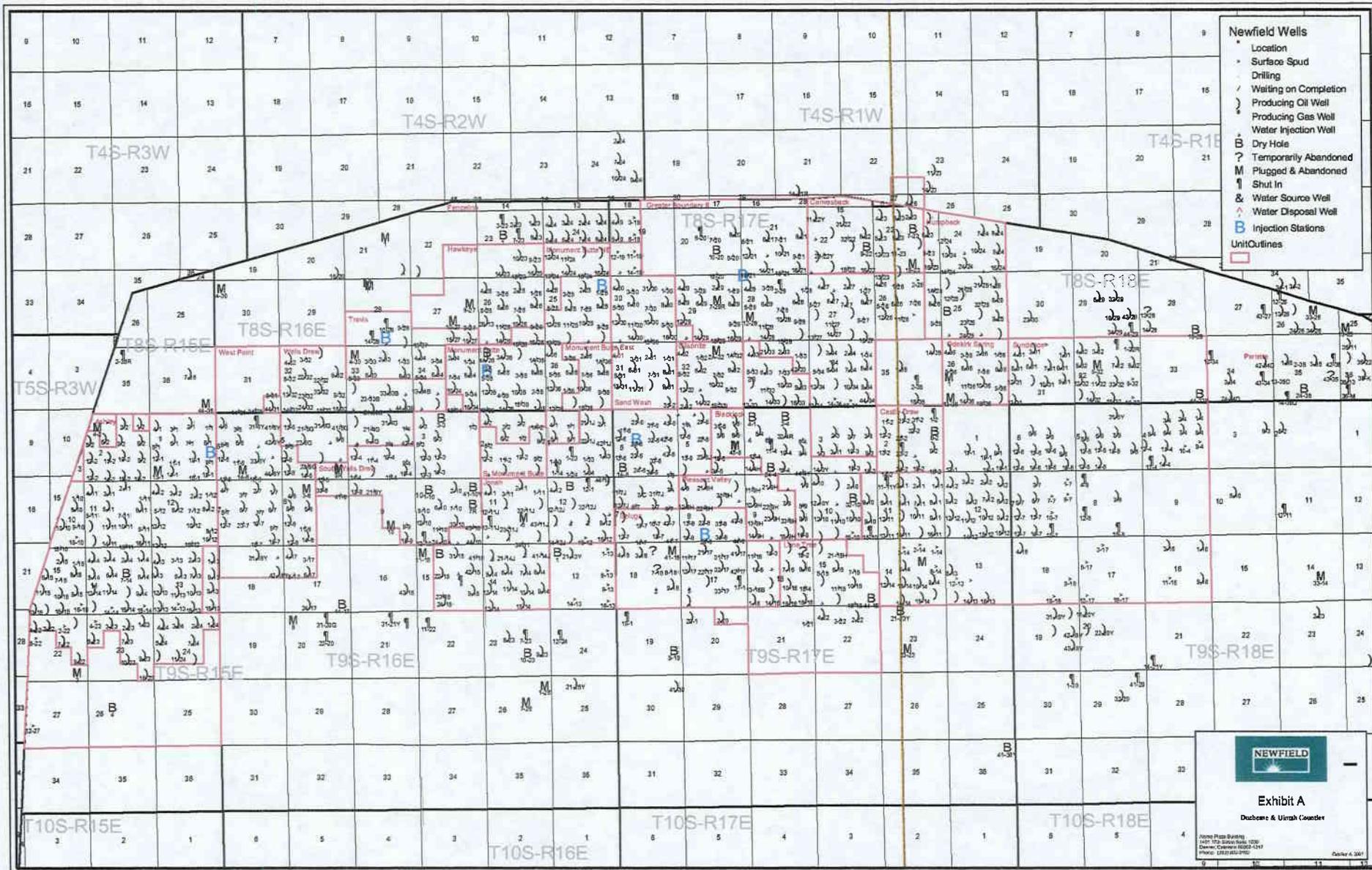
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 01-11-2006

**Legend**

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**

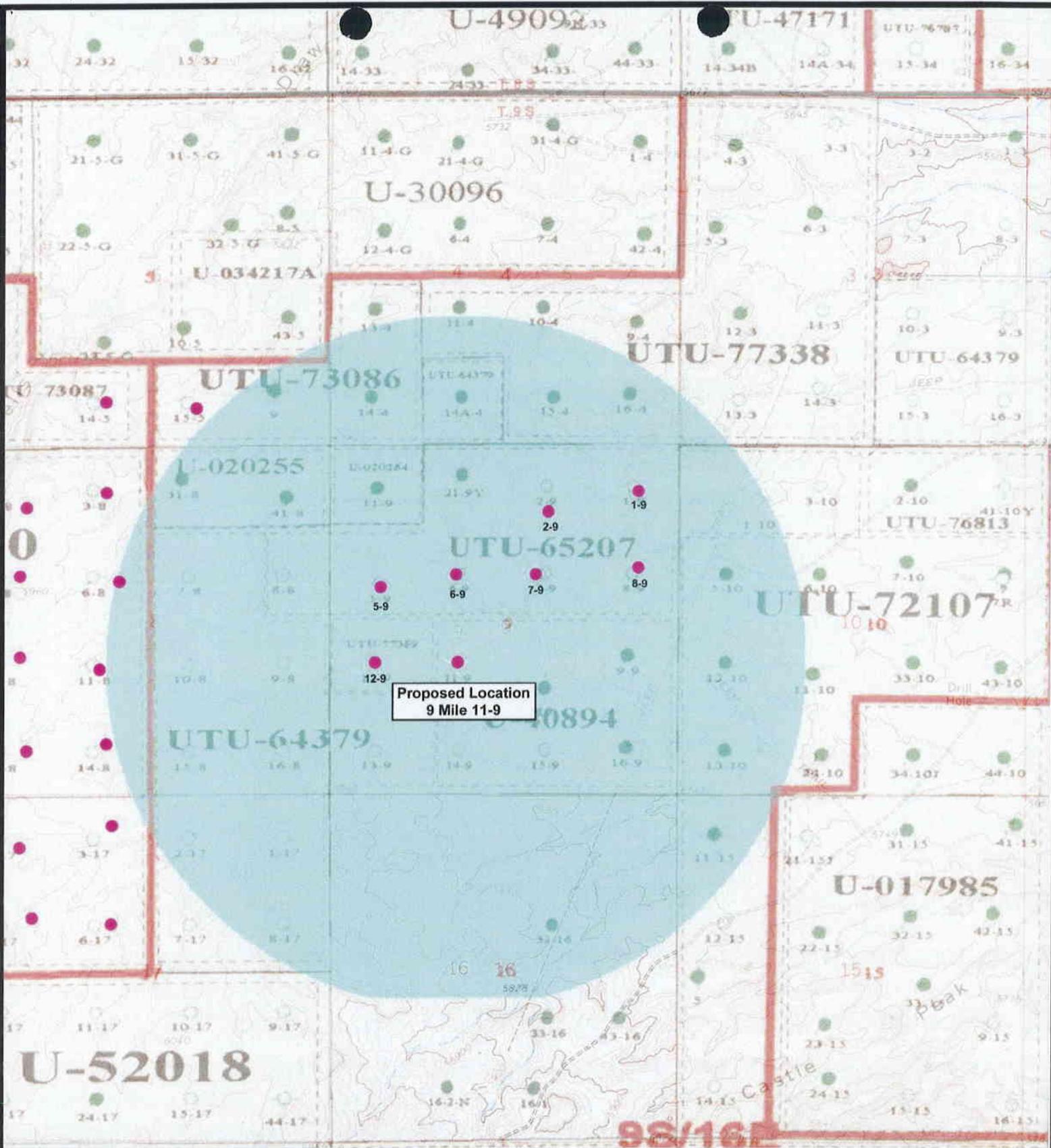


- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection Stations
- Unit Outlines**
- 



**Exhibit A**  
DuSable & Ulrich Counties

Home Field Office  
1401 W. Spruce Street, 1000  
Denver, Colorado 80202-1111  
Phone: 303.440.3700  
Circle 4, 2001



Proposed Location  
9 Mile 11-9



**NEWFIELD**  
Exploration Company

**9 Mile 11-9-9-16**  
**SEC. 9, T9S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 01-11-2008

Legend

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

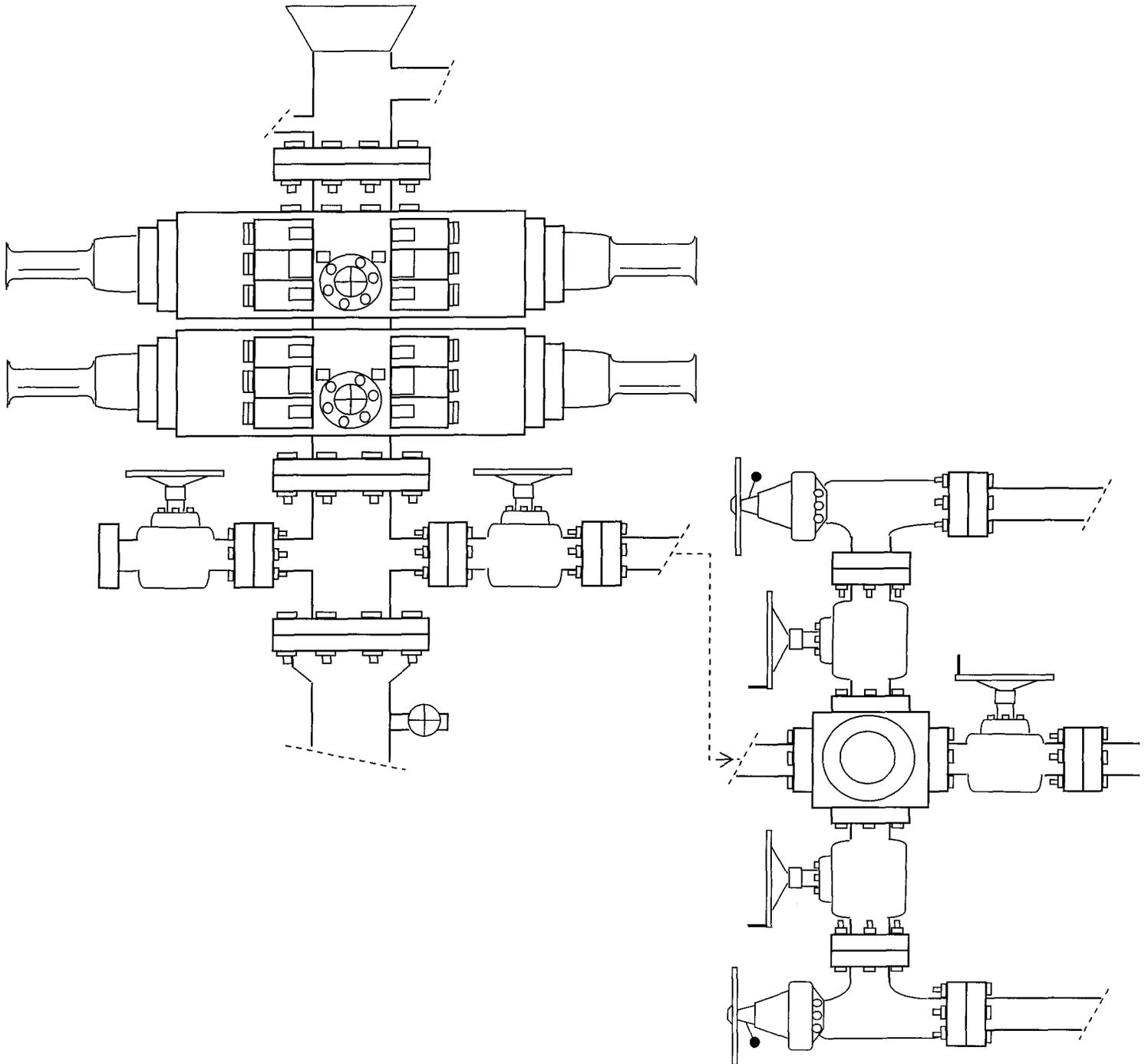


EXHIBIT C

A CULTURAL RESOURCE SURVEY OF THE SOUTH WELLS DRAW UNIT,

DUCHESNE COUNTY, UTAH

by

Ann Polk  
and  
Danielle Diamond

Prepared for:

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

Prepared by:

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

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

and

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

Archaeological Report No. 1030-01

April 23, 1998

NEWFIELD PRODUCTION COMPANY

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

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: 02/06/2006

API NO. ASSIGNED: 43-013-33050

WELL NAME: FEDERAL 11-9-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 09 090S 160E  
 SURFACE: 1984 FSL 1980 FWL  
 BOTTOM: 1984 FSL 1980 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.04356 LONGITUDE: -110.1261  
 UTM SURF EASTINGS: 574553 NORTHINGS: 4432747  
 FIELD NAME: 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-79831  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- 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: Sid, Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Slip

BALCRON MON FED 14-4  
BALCRON MON FED 14-4

S WELLS DRAW 14-A-4-9-16  
FEDERAL 24-4Y

S WELLS DRAW 15-4-9-16  
NGC FEDERAL 34-4-G

S WELLS  
DRAW 16-4-9-16

S WELLS  
DRAW 13-3-9-16

# MONUMENT BUTTE FIELD

T9S R16E

MON FED  
4-8-9-16

MON FED  
11-9-9-16

FEDERAL  
21-9Y

S WELLS DRAW  
2-9-9-16

S WELLS DRAW  
FED 1-9-9-16

S WELLS DRAW  
1-9-9-16

S WELLS DRAW  
FED 2-9-9-16

## SOUTH WELLS DRAW UNIT CAUSE: 231-04 / 7-16-2001

S WELLS DRAW  
FED 8-9-9-16

S WELLS  
DRAW 5-10-9-16

S WELLS DRAW  
8-9-9-16

FEDERAL  
5-9-9-16

FEDERAL  
6-9-9-16

S WELLS DRAW  
FED 7-9-9-16

S WELLS  
DRAW 7-9-9-16

FEDERAL 1-9  
S WELLS DRAW 5-9-9-16

S WELLS DRAW  
6-9-9-16

S WELLS  
DRAW 9-9-9-16

S WELLS DRAW  
12-10-9-16

FEDERAL  
12-9-9-16

FEDERAL  
11-9-9-16

CASTLE  
PEAK U 10

FEDERAL  
13-9-9-16

FEDERAL  
14-9-9-16

FEDERAL  
15-9-9-16

S WELLS DRAW  
16-9-9-16

S WELLS DRAW  
13-10-9-16

FEDERAL  
1-17-9-16

CASTLE PK  
FED 11-15

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 9 T. 9S R. 16E

FIELD: MONUMENT BUTTE (630)

COUNTY: DUCHESNE

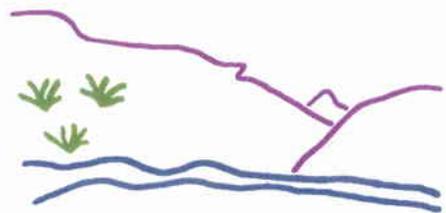
SPACING: R649-3-2 / GENERAL SITING

**Field Status**  
 [Black Box] ABANDONED  
 [Purple Box] ACTIVE  
 [Pink Box] COMBINED  
 [Light Purple Box] INACTIVE  
 [Light Blue Box] PROPOSED  
 [Light Green Box] STORAGE  
 [White Box] TERMINATED

**Unit Status**  
 [White Box] EXPLORATORY  
 [Light Green Box] GAS STORAGE  
 [Light Blue Box] NF PP OIL  
 [Light Purple Box] NF SECONDARY  
 [Light Blue Box] PENDING  
 [Light Green Box] PI OIL  
 [Light Purple Box] PP GAS  
 [Light Blue Box] PP GEOTHERML  
 [Light Green Box] PP OIL  
 [Light Blue Box] SECONDARY  
 [White Box] TERMINATED

**Wells Status**

- [Red Star] GAS INJECTION
- [Green Star] GAS STORAGE
- [X] LOCATION ABANDONED
- [Blue Circle] NEW LOCATION
- [Black Diamond] PLUGGED & ABANDONED
- [Red Star] PRODUCING GAS
- [Green Star] PRODUCING OIL
- [Red Star] SHUT-IN GAS
- [Green Star] SHUT-IN OIL
- [X] TEMP. ABANDONED
- [Blue Circle] TEST WELL
- [Blue Triangle] WATER INJECTION
- [Blue Circle] WATER SUPPLY
- [Blue Triangle] WATER DISPOSAL
- [Red Circle] DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 8-FEBRUARY-2006



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

February 9, 2006

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

Re: Federal 11-9-9-16 Well, 1984' FSL, 1980' FWL, NE SW, Sec. 9, 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 43-013-33050.

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 11-9-9-16  
API Number: 43-013-33050  
Lease: UTU-79831

Location: NE SW                      Sec. 9                      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.

**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-79831**

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

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**FEDERAL 11-9-9-16**

9. API Well No.  
**43-013-33050**

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)  
**1984 FSL 1980 FWL NE/SW Section 9, 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

(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 2/9/06 (expiration 2/9/07).

This APD has not been approved yet by the BLM.

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

Date: 02-07-07  
By: [Signature]

2-8-07  
Rm  
**FEB 06 2007**  
DIV OF OIL, GAS

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

Signed Mandie Crozier Title Regulatory Specialist Date 2/2/2007  
Mandie Crozier

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:** 43-013-33050  
**Well Name:** Federal 11-9-9-16  
**Location:** NE/SW Section 9, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 2/9/2006

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

Mandi Crozis  
Signature

2/2/2007  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

FEB 06 2007

RECEIVED

Form 3160-3  
(September 2001)

FEB 06 2006

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-79831
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 11-9-9-16
9. API Well No. 43-013-33050
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NE/SW Sec. 9, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SW 1984' FSL 1980' FWL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 15.6 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 656' f/lse, NA' f/unit

16. No. of Acres in lease  
120.00

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. 1270'

19. Proposed Depth  
6165'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5842' 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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 2/2/06

Title Regulatory Specialist

Approved by (Signature) *Jerry Kenczka* Name (Printed/Typed) JERRY KENCZKA Date 3-16-2007

Title Assistant Field Manager Office VERNAL FIELD OFFICE

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 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)

RECEIVED

MAR 30 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING



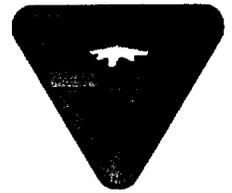
No NOS

07BM4647A



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:** NESW, Sec 9, T9S, R16E  
**Well No:** Federal 11-9-9-16      **Lease No:** UTU-79831  
**API No:** 43-013-33050      **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
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
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:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
<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 (Notify Chuck Macdonald) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Chuck Macdonald) - Prior to moving on the drilling rig.
- Spud Notice (Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

**LEASE STIPULATIONS AND NOTICES**

1. Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
2. Wildlife:  
The proposed area contains Mountain plover habitat. There will be a **time restriction from May 15 – June 15** to minimize disturbance during Mountain plover nesting.

**Lease Notices from Resource Management Plan:**

The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or it's habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments: If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

**CONDITIONS OF APPROVAL**

1. 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 August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
2. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. 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.
5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.

6. 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.
7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
8. Pipelines will be buried at all major drainage crossings.
9. Prevent fill and stock piles from entering drainages.
10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
11. The liner is to be cut 5 feet below ground surface 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.
12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
13. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
14. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
15. The interim seed mix for this location shall be:

Crested wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre

  - All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
16. The operator will be responsible for treatment and control of invasive and noxious weeds.
17. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
18. Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

19. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
20. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
21. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
22. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
23. Notify the Authorized Officer 48 hours prior to surface disturbing activities.
24. Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

### ***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**

1. None.

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

1. 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.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. 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.

Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. 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.
9. 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.

10. 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 top of cement 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.**

11. 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.
12. 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.
13. 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.
14. 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:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4<sup>1</sup>/<sub>4</sub>, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. 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).
  - f. 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.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
15. 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.
  16. 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
  17. 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.
  18. 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

**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-79831**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.

**FEDERAL 11-9-9-16**

9. API Well No.

**43-013-33050**

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**1984 FSL 1980 FWL NE/SW Section 9, T9S R16E**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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 **APD Change**  
 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 change the name from the Federal 11-9-9-16 to the **Federal 11A-9-9-16.**

The remainder of the APD will remain the same.

**RECEIVED**

**APR 06 2007**

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

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

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

4/4/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: Newfield Exploration & Production

Well Name: Federal 11A-9-9-16

API No: 43-013-33050 Lease Type: Federal

Section 09 Township 09S Range 16E County Duchesne

Drilling Contractor NDSI Rig # NS#1

### **SPUDDED:**

Date 4-23-07

Time 9:00 AM

How Dry

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

Reported by Jim

Telephone # 435-823-2072

Date 4-23-07 Signed RM

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	15150	43-013-33273	MON BT NE H-25-8-16	NE/NW	25	8S	16E	DUCHESNE	4/18/2007	4/26/07
WELL 1 COMMENTS: <i>GRUV BHL = C of N/2</i>											
A	99999	16063	43-013-33175	FEDERAL 9-22-9-16	NE/SE	22	9S	16E	DUCHESNE	4/19/2007	4/26/07
WELL 2 COMMENTS: <i>GRUV</i>											
A	99999	16064	43-013-33050	FEDERAL 11A-9-9-16	NE/SW	9	9S	16E	DUCHESNE	4/23/2007	4/26/07
WELL 3 COMMENTS: <i>GRUV</i>											
A	99999	16065	43-013-33052	FEDERAL 13-9-9-16	SW/SW	9	9S	16E	DUCHESNE	4/21/2007	4/26/07
WELL 4 COMMENTS: <i>GRUV</i>											
B	99999	15150	43-013-33274	MON BT NE C-25-8-16	NW/NE	25	8S	16E	DUCHESNE	4/20/2007	4/26/07
WELL 5 COMMENTS: <i>GRUV BHL = NW corner of NE Quad</i>											
A	99999	16066	43-013-33167	FEDERAL 15-22-9-16	SW/SE	22	9S	16E	DUCHESNE	4/22/2007	4/26/07
WELL 6 COMMENTS: <i>GRUV</i>											

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APR 25 2007

DIV. OF OIL, GAS & MINING

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - their (explain in comments section)

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

*Jentri Park*  
 Signature  
 Production Clerk

Jentri Park

25  
 April 24, 2007  
 Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
USA UTU-79831

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 11-9-9-16

9. API Well No.  
4301333050

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1984 FSL 1980 FWL  
NESW Section 9 T9S R16E

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 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 4/23/07 MIRU NDSI NS #1. Spud well @ 9:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 321.50' On 4/28/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

RECEIVED  
MAY 02 2007  
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 04/28/2007

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)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 321.5

LAST CASING 8 5/8" SET AT 321.50'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal11A-9-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.70'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	309.65
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			311.5
TOTAL LENGTH OF STRING		311.5	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>321.5</b>
TOTAL		309.65	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		309.65	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	4/23/2007	9:00AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		4/23/2007	3:30PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		4/28/2007	9:26 AM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		4/28/2007	9:43 AM	N/A			
BEGIN DSPL. CMT		4/28/2007	9:54 AM	BUMPED PLUG TO _____ 430 _____ PSI			
PLUG DOWN		4/28/2007	10:00 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Don Bastian DATE 4/28/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAY 15 2007

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 oil, gas & mineral abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NGSA UTU-79831

6. If Indian, Allottee or Tribe Name. \_\_\_\_\_

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

8. Well Name and No. FEDERAL 119-9-16

9. API Well No. 4301333050

10. Field and Pool, or Exploratory Area MONUMENT BUTTE

11. County or Parish, State DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1984 FSL 1980 FWL  
NESW Section 9 T9S R16E

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 <u>Weekly Status Report</u>	
	<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 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 5/1/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6125'. 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, 140 jt's of 5.5 J-55, 15.5# csgn. Set @ 6117.53' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 25 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 7:30 PM on 5/05/07.

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

Title  
Drilling Foreman

Date  
05/07/2007

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)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6117.53

Fit cllr @ 6097.47

LAST CASING 8 5/8" Set@ 323'  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6125 LOGG# 6105'  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Federal 11a-9-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI Rig # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @ 34038' /6.16'					
139	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6081.71
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	19.41
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6119.53
TOTAL LENGTH OF STRING		6119.53	140	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		381.9	9	CASING SET DEPTH			<b>6117.53</b>
TOTAL		<b>6486.18</b>	149	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6486.18	149				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		5/5/2007	7:30 AM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		5/5/2007	11:30 AM	Bbls CMT CIRC TO SURFACE <u>25</u>			
BEGIN CIRC		5/5/2007	1:07 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		5/5/2007	1:18 PM	DID BACK PRES. VALVE HOLD ? <u>YES</u>			
BEGIN DSPL. CMT		5/5/2007	2:08 PM	BUMPED PLUG TO <u>2000</u> PSI			
PLUG DOWN		5/5/2007	2:37 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premite II w/ 10% gel + 3% KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Jim Smith DATE 5/5/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
USA UTU-79831

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 11A-9-9-16

9. API Well No.  
4301333050

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1984 FSL 1980 FWL  
NESW Section 9 T9S R16E

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

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

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

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 06/08/2007

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

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

(Instructions on reverse)

**RECEIVED**  
JUN 12 2007

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-79831

**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:  
FEDERAL 11A-9-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333050

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1984 FSL 1980 FWL

COUNTY: DUCHESNE

OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW, 9, T9S, R16E

STATE: UT

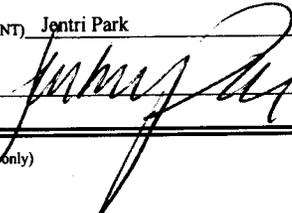
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>07/02/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY 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 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 subject well was completed on 06/07/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 07/02/2007

(This space for State use only)

RECEIVED

JUL 11 2007

DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**FEDERAL 11A-9-9-16**

**4/1/2007 To 8/30/2007**

**5/22/2007 Day: 1**

**Completion**

Rigless on 5/21/2007 - nstall 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 @ 6057' & cement top @ 156'. Perforate stage #1. CP5 sds @ 5968-5988' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. 145 BWTR. SIFN.

**6/4/2007 Day: 2**

**Completion**

Rigless on 6/3/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds down casing, stage #1 w/ 86,018#'s of 20/40 sand in 657 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3888 psi. Treated @ ave pressure of 1731 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2226. 802 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite (6K) flow through frac plug & 8' perf gun. Set plug @ 5520'. Perforate LODC sds @ 5405-13' w/ 3-1/8" slick guns (23 gram, .43" HE, 90°) w/ 4 spf for total of 32 shots. RU BJ & frac stage #2 w/ 15,233#'s of 20/40 sand in 657 bbls of Lightning 17 frac fluid. Open well w/ 1688 psi on casing. Perfs broke down @ 2800 psi. Treated @ ave pressure of 2238 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2359. 1076 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 12' perf gun. Set plug @ 5360'. Perforate LODC sds @ 5306-18' w/ 4 spf for total of 48 shots. RU BJ & frac stage #3 w/ 25,167#'s of 20/40 sand in 345 bbls of Lightning 17 frac fluid. Open well w/ 580 psi on casing. Perfs broke down @ 3203 psi in 35 minutes. Treated @ ave pressure of 2598 @ ave rate of 24.7 bpm w/ 6.5 ppg of sand. BJ had trouble with volumes had to restart job w/ 31 bbls away. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3184. 1421 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 15' perf gun. Set plug @ 5260'. Perforate A3 sds @ 5211-26' w/ 4 spf for total of 60 shots. RU BJ & frac stage #4 w/ 81,060#'s of 20/40 sand in 608 bbls of Lightning 17 frac fluid. Open well w/ 457 psi on casing. Perfs broke down @ 2198 psi. Treated @ ave pressure of 1601 @ ave rate of 24.7 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1930. 2029 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 6', 8' perf guns. Set plug @ 4990'. Perforate D3 sds @ 4878-84', 4852-60' w/ 4 spf for total of 56 shots. RU BJ & frac stage #5 w/ 20,066#'s of 20/40 sand in 293 bbls of Lightning 17 frac fluid. Open well w/ 1368 psi on casing. Perfs broke down @ 4153 psi. Treated @ ave pressure of 1701 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1800. 2322 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 11' perf guns. Set plug @ 4390'. Perforate GB4 sds @ 4261-72' w/ 4 spf for total of 44 shots. RU BJ & frac stage #6 w/ 55,827#'s of 20/40 sand in 453 bbls of Lightning 17 frac fluid. Open well w/ 1280 psi on casing. Perfs broke down @ 4125 psi. Treated @ ave pressure of 1508 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1752. 2775 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 5 hours & died w/ 350 bbls rec'd.

**6/7/2007 Day: 3**

**Completion**

Western #4 on 6/6/2007 - MIRU Western #4. Bleed pressure off well. Rec est 15 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Scaheffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4327'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4327', plug @ 4390' in 23 minutes (gained 60 BTF when through plug); sd @ 4939', plug @ 4990' in 25 minutes; sd @ 5186', plug @ 5260' in 20 minutes; sd @ 5325', plug @ 5360' in 25 minutes; no sd, plug @ 5520' in 20 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5998'. PU swivel. Drill plug remains & sd to PBD @ 6097'. Circ hole clean. Gained total on 110 BTF during cleanout. RD swivel. Pull EOT to 6004'. SIFN W/ est 2290 BWTR.

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6/8/2007 Day: 4

Completion

Western #4 on 6/7/2007 - Bleed well off. Flowed 20 BTF W/ sm amt oil. RU & swab well for cleanup. IFL @ sfc. Made 3 swb runs & well began flowing steady. Flowed for 2 hrs & dying off. Rec 115 BTF (inc swb) W/ fair gas & no sd. FOC @ 30%. RU & pump 30 BW dn tbg. TIH W/ tbg. Tag sd @ 6091' (6' new fill). C/O sd to PBD @ 6097'. Circ hole clean. Lost no wtr, rec 50 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 192 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5914' W/ SN @ 5948' & EOT @ 6013'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15.5' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 122-3/4" plain rods, 98-3/4" scraped rods, 1-8', 1-6' & 1-4' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 2155 BWTR. Place well on production @ 7:00 PM 6/7/2007 W/ 86" SL @ 5 SPM. FINAL REPORT!!

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Pertinent Files: Go to File List

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

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

<b>1a. TYPE OF WORK</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____	5. LEASE DESIGNATION AND SERIAL NO. <p align="center"><b>UTU-79831</b></p>
<b>1b. TYPE OF WELL</b> NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____	7. UNIT AGREEMENT NAME <p align="center"><b>Federal</b></p>
2. NAME OF OPERATOR <p align="center"><b>Newfield Exploration Company</b></p>	
3. ADDRESS AND TELEPHONE NO. <p align="center"><b>1401 17th St. Suite 1000 Denver, CO 80202</b></p>	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. *) At Surface <b>1984' FSL &amp; 1980' FWL (NE/SW) Sec. 9, T9S, R16E</b> At top prod. Interval reported below	
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <p align="center"><b>Sec. 9, T9S, R16E</b></p>	
12. COUNTY OR PARISH    13. STATE <p align="center"><b>Duchesne    UT</b></p>	

14. API NO. <p align="center"><b>43-013-33050</b></p>	DATE ISSUED <p align="center"><b>02/09/07</b></p>	9. WELL NO. <p align="center"><b>43-013-33050</b></p>
15. DATE SPUDDED <p align="center"><b>04/23/07</b></p>		10. FIELD AND POOL OR WILDCAT OR AREA <p align="center"><b>Monument Butte</b></p>
16. DATE T.D. REACHED <p align="center"><b>05/04/07</b></p>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <p align="center"><b>Sec. 9, T9S, R16E</b></p>
17. DATE COMPL. (Ready to prod.) <p align="center"><b>06/07/07</b></p>		12. COUNTY OR PARISH    13. STATE <p align="center"><b>Duchesne    UT</b></p>
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <p align="center"><b>5842' GL</b></p>		19. ELEV. CASINGHEAD <p align="center"><b>5854' KB</b></p>

20. TOTAL DEPTH, MD & TVD <p align="center"><b>6127'</b></p>	21. PLUG BACK T.D., MD & TVD <p align="center"><b>6097'</b></p>	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY <p align="center">-----&gt;</p>	ROTARY TOOLS <p align="center"><b>X</b></p>	CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* <p align="center"><b>Green River 4261'-5988'</b></p>					
25. WAS DIRECTIONAL SURVEY MADE <p align="center"><b>No</b></p>					
26. TYPE ELECTRIC AND OTHER LOGS RUN <p align="center"><b>Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log</b></p>					
27. WAS WELL CORED <p align="center"><b>No</b></p>					

**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#	322'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6118'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6013'	TA @ 5914'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
(CP5) 5968'-5988'	.49"	4/80	5968'-5988'	Frac w/ 86,018# 20/40 sand in 657 bbls fluid	
(LODC) 5405'-5413'	.43"	4/32	5405'-5413'	Frac w/ 15,233# 20/40 sand in 657 bbls fluid	
(LODC) 5306'-5318'	.43"	4/48	5306'-5318'	Frac w/ 25,167# 20/40 sand in 345 bbls fluid	
(A3) 5211'-5226'	.43"	4/60	5211'-5226'	Frac w/ 81,060# 20/40 sand in 608 bbls fluid	
(D3) 4878'-84', 4852'-60'	.43"	4/56	4852'-4884'	Frac w/ 20,066# 20/40 sand in 293 bbls fluid	
(GB4) 4261'-4272'	.43"	4/44	4261'-4272'	Frac w/ 55,827# 20/40 sand in 453 bbls fluid	

**33.\* PRODUCTION**

DATE FIRST PRODUCTION <b>06/07/07</b>	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>2-1/2" x 1-1/2" x 15.5' RHAC SM Plunger Pump</b>	WELL STATUS (Producing or shut-in) <b>PRODUCING</b>					
DATE OF TEST <b>10 day ave</b>	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLs.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
			----->	<b>90</b>	<b>28</b>	<b>4</b>	<b>311</b>
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

**RECEIVED**

**JUL 11 2007**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from available logs and data.

SIGNED: Jentri Park                      TITLE: Production Clerk                      DATE: 7/3/2007

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 11A-9-9-16	Garden Gulch Mkr	3746'	
				Garden Gulch 1	3959'	
				Garden Gulch 2	4071'	
				Point 3 Mkr	4326'	
				X Mkr	4590'	
				Y-Mkr	4624'	
				Douglas Creek Mkr	4740'	
				BiCarbonate Mkr	4947'	
				B Limestone Mkr	5089'	
				Castle Peak	5613'	
				Basal Carbonate	6073'	
				Total Depth (LOGGERS)	6105'	

<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>  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-79831
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 11A-9-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 09 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330500000
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	COUNTY: DUCHESNE
STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/16/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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 9:30 AM on 04/16/2014.

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

Date: \_\_\_\_\_  
 By: *[Signature]*

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/18/2014	



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

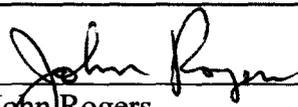
Cause No. UIC-395

**Operator:** Newfield Production Company  
**Well:** Federal 11A-9-9-16  
**Location:** Section 9, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33050  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on October 1, 2012.
2. Maximum Allowable Injection Pressure: 1,724 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,071' – 5,889')
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

4/14/14  
Date

JR/MLR/js

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

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





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

October 1, 2012

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

Subject: Greater Monument Butte Unit Well: Federal 11A-9-9-16, Section 9, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33050

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 4,071 feet in the Federal 11A-9-9-16 well.

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

Sincerely,

John Rogers  
Associate Director

JR/MLR/js

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

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





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

**Applicant:** Newfield Production Company      **Well:** Federal 11A-9-9-16

**Location:** 9/9S/16E      **API:** 43-013-33050

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

**Well Integrity:** The proposed well has surface casing set at 322 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,118 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,710 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,211 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (3/27/2014), based on surface locations, there are 4 producing wells, 6 injection wells, 1 P/a well, and 1 shut-in well in the AOR. In addition, there are 6 directional producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. There is also 1 approved surface location outside the AOR for a directional well to be drilled to bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 4,071 feet and 5,889 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 11A-9-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,724 psig. The requested maximum pressure is 1,724 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 11A-9-9-16**  
**page 2**

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 9/12/2012 (rev. 3/27/14)

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066

Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	32047	Invoice Date	6/26/2012
Advertiser No.	2080	Invoice Amount	\$176.25
		Due Date	7/26/2012

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all past due balances.

Amount Enclosed

Please detach top portion and return with your payment

**INVOICE**

Uintah Basin Standard		DIVISION OF OIL GAS & MINING			Invoice No. 32047	6/26/2012
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16065 UBS	UBS Legal Notice: Not of Agcy Actn: Cause No. UIC-395 Pub. June 26, 2012				\$176.25
					<b>Sub Total:</b>	<b>\$176.25</b>
<b>Total Transactions: 1</b>					<b>Total:</b>	<b>\$176.25</b>

**SUMMARY** Advertiser No. 2080 Invoice No. 32047

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!





*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

June 26, 2012

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

JUN 27 2012

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

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

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, 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 17<sup>th</sup> 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:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East  
API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050

Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

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

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

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

Dated this 20<sup>th</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**WEST POINT U 12-5-9-16, FEDERAL 7-8-9-16, FEDERAL 9-8-9-16, WEST POINT 12-8-9-16,  
FEDERAL 15-8-9-16, FEDERAL 5-9-9-16, FEDERAL 11A-9-9-16, GOATES FED 1,  
FEDERAL 13-13-9-16, FEDERAL 1-17-9-16, FEDERAL 15-17-9-16, FEDERAL 3-19-9-16,  
FEDERAL 5-22-9-16, FEDERAL 16-22-9-16, FEDERAL 5-23-9-16,  
FEDERAL 9-23, FEDERAL 1-30-9-16**

**Cause No. UIC-395**

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)

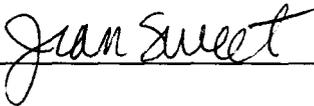
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

June 21, 2012

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-395

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

**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395**

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

On 6/21/2012 5:07 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](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  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will run June 26.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 21, 2012

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-395

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

**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 6/22/2012 9:13 AM  
**Subject:** Legal Notice - UIC 395  
**Attachments:** OrderConf.pdf

AD# 802910  
Run Trib/DNews - 6/26  
Cost \$448.52  
Thank you  
Mark

**Order Confirmation for Ad #0000802910-01**

<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>EEmail</b>	earlenerussell@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$448.52</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$448.52</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1
<b>Payment Method</b>		<u>PQ Number</u>	UIC 395	

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 88 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

**Order Confirmation  
for Ad #0000802910-01**

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802910-01

**Ad Content Proof 135%**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UKC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, 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 injector wells:

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API 43-013-33056  
Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
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API 43-013-32286  
Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060  
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API 43-013-32916  
Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050  
Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789  
Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650  
Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028  
Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037  
Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064  
Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025  
Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394  
Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960  
Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654  
Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

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

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

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

Dated this 20th day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
802910

UPAXLP

06/22/2012 9:06:58AM



June 7, 2012

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

RECEIVED  
JUN 12 2012

RE: Permit Application for Water Injection Well  
Federal #11A-9-9-16  
Monument Butte Field, Lease #UTU-79831  
Section 9-Township 9S-Range 16E  
Duchesne County, Utah

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #11A-9-9-16 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 black ink, appearing to read "Eric Sundberg", with a long, sweeping underline.

Eric Sundberg  
Regulatory Lead

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #11A-9-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-79831**  
**JUNE 7, 2012**

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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Federal 11A-9-9-16

Spud Date: 4-23-07  
 Put on Production: 6-1-07  
 GL: 5842' KB: 5854'

Initial Production: BOPD,  
 MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.65')  
 DEPTH LANDED: 321.5' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

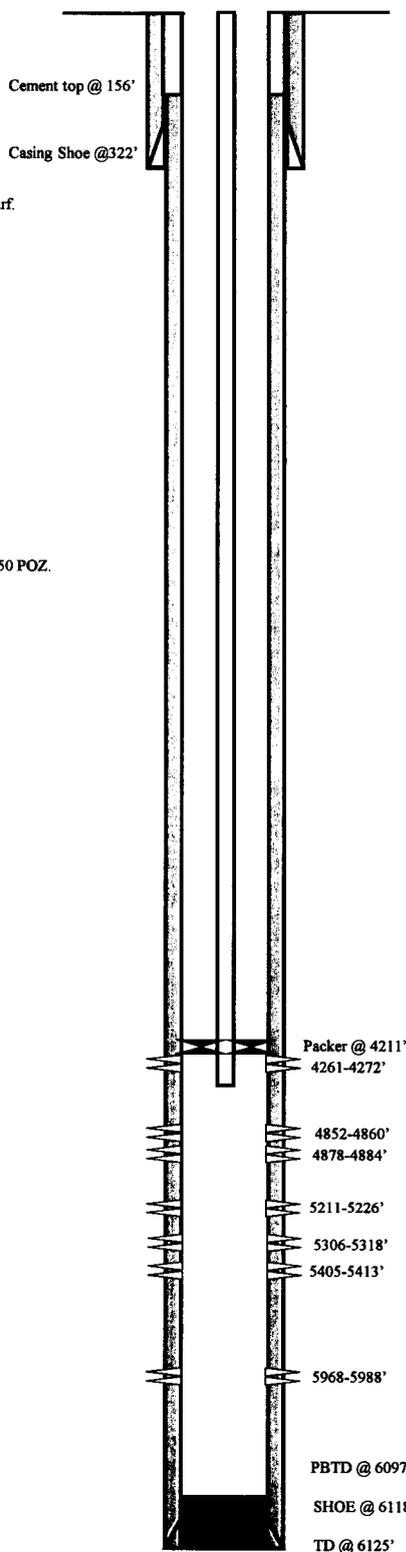
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6101.12')  
 DEPTH LANDED: 6117.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 156'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 192 jts (5901.99')  
 TUBING ANCHOR: 5913.99' KB  
 NO. OF JOINTS: 1 jts (31.43')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5948.22' KB  
 NO. OF JOINTS: 2 jts (62.97')  
 TOTAL STRING LENGTH: EOT @ 6012.74' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

06-01-07	5968-5988'	<b>Frac CP5 sands as follows:</b> 86018# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1731 psi w/avg rate of 24.8 BPM. ISIP 2226 psi. Calc flush: 5966 gal. Actual flush: 5460 gal.
06-01-07	5405-5413'	<b>Frac LODC sands as follows:</b> 15233# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 2238 psi w/avg rate of 24.8 BPM. ISIP 2359 psi. Calc flush: 5403 gal. Actual flush: 4956 gal.
06-01-07	5306-5318'	<b>Frac LODC sands as follows:</b> 25167# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2598 psi w/avg rate of 24.7 BPM. ISIP 3184 psi. Calc flush: 5304 gal. Actual flush: 4830 gal.
06-01-07	5211-5226'	<b>Frac A3 sands as follows:</b> 81060# 20/40 sand in 608 bbls Lightning 17 frac fluid. Treated @ avg press of 1601 w/ avg rate of 24.7 BPM. ISIP 1930 psi. Calc flush: 5209 gal. Actual flush: 4746 gal.
06-01-07	4852-4884'	<b>Frac D3 sands as follows:</b> 20066# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1701 w/ avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4948 gal. Actual flush: 4368 gal.
06-01-07	4261-4272'	<b>Frac GB4 sands as follows:</b> 55827# 20/40 sand in 453 bbls Lightning 17 frac fluid. Treated @ avg press of 1508 w/ avg rate of 24.8 BPM. ISIP 1752 psi. Calc flush: 4424 gal. Actual flush: 4326 gal.
9-30-08		Pump Change. Updated rod & tubing details.

## PERFORATION RECORD

05-21-07	5968-5988'	4 JSPF	80 holes
06-01-07	5405-5413'	4 JSPF	32 holes
06-01-07	5306-5318'	4 JSPF	48 holes
06-01-07	5211-5226'	4 JSPF	60 holes
06-01-07	4878-4884'	4 JSPF	24 holes
06-01-07	4852-4860'	4 JSPF	32 holes
06-01-07	4261-4272'	4 JSPF	44 holes

**NEWFIELD**

**Federal 11A-9-9-16**

1984' FSL & 1980' FWL

NE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-33050; Lease # UTU-79831

## **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 #11A-9-9-16 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 #11A-9-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (4071' - 5889'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever is shallower. The Garden Gulch Marker top is at 3746' and the TD is at 6125'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #11A-9-9-16 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-79831) 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 322' KB, and 5-1/2", 15.5# casing run from surface to 6118' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1724 psig.

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

The minimum fracture gradient for the Federal #11A-9-9-16, for existing perforations (4261' - 5988') calculates at 0.84 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 1724 psig. We may add additional perforations between 3746' and 6125'. See Attachments G and G-1.

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

In the Federal #11A-9-9-16, the proposed injection zone (4071' - 5889') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-10.

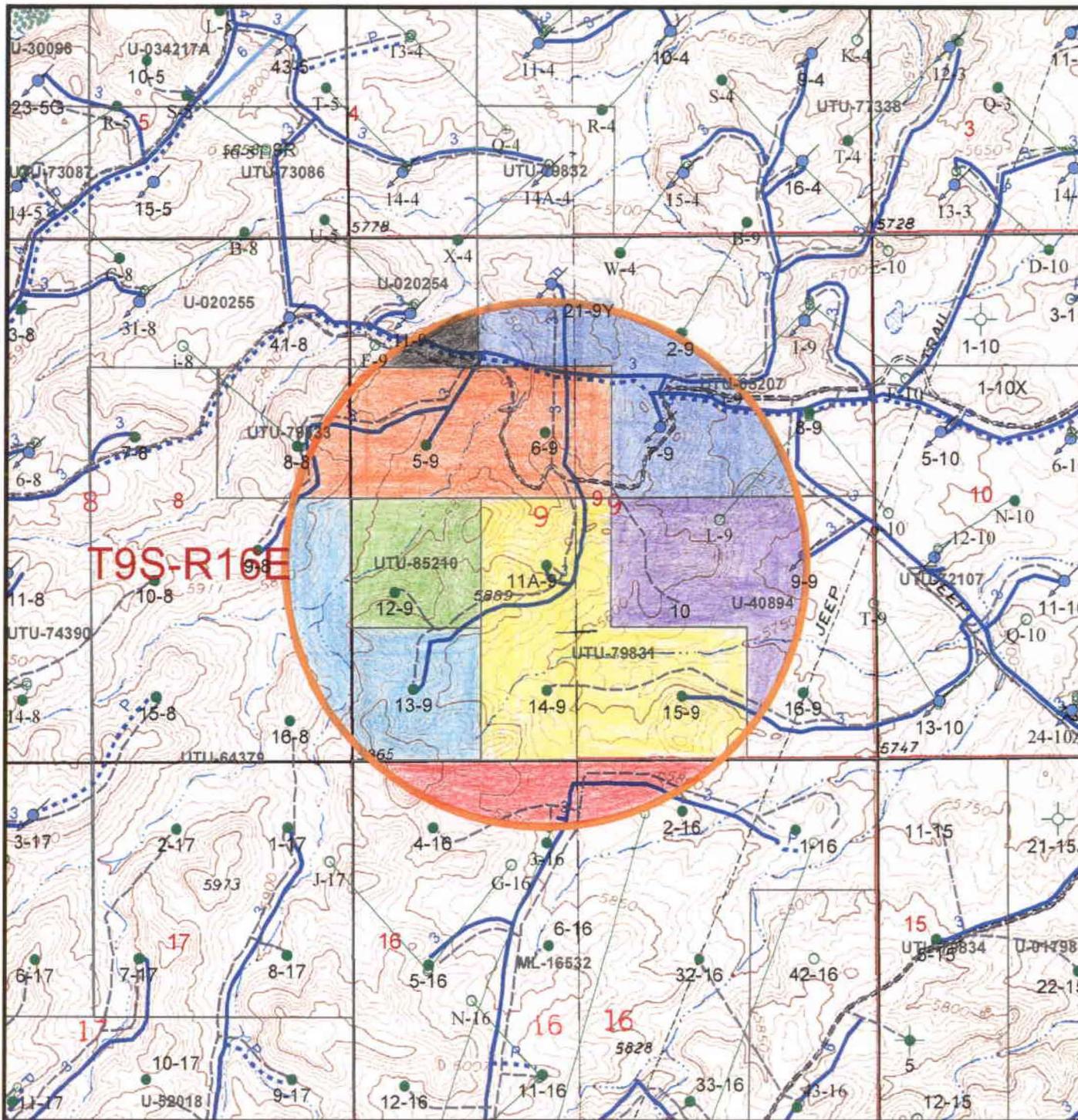
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**WellStatus\_HalfMile\_Buffer**

**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
- Countyline

**Injection system**

- high pressure
- low pressure
- proposed
- return
- return proposed
- Leases
- Mining tracts

Handwritten well IDs and colors:

- UTU-79831 (Yellow)
- UTU-40894 (Purple)
- STOFUT ML-16532 (Red)
- UTU-64379 (Light Blue)
- UTU-85210 (Green)
- UTU-65207 (Dark Blue)
- UTU-020254 (Black)
- UTU-79833 (Orange)

Federal 11A-9  
Section 9, T 9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1 in = 1,500 feet

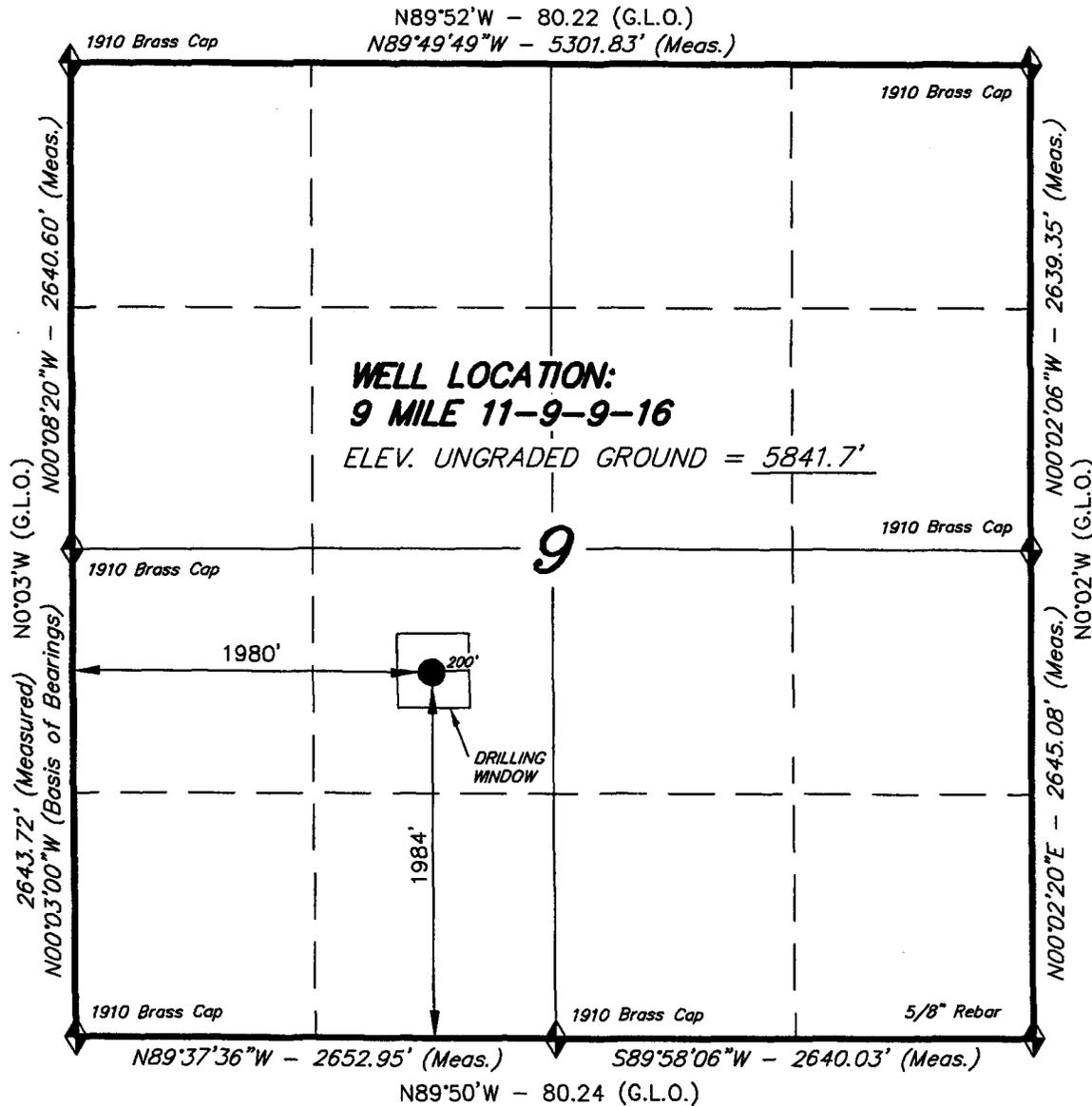
**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

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

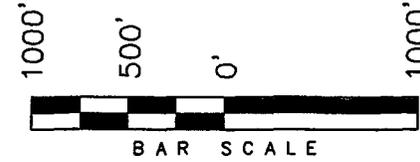
May 2, 2012

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

**NEWFIELD PRODUCTION COMPANY**



WELL LOCATION, 9 MILE 11-9-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 9, T9S, R16E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



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

**REGISTERED LAND SURVEYOR**  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

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

**WELL NAME**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 36.76"  
 LONGITUDE = 110° 07' 36.15"

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 1-6-06	SURVEYED BY: C.M.
DATE DRAWN: 1-10-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

**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 9: E2SW, SWSE	USA UTU - 79831 HBP	Newfield Production Company Newfield RMI LLC	USA
2	T9S-R16E SLM Section 9: N2SE, SESE	USA UTU-40894 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-616E SLM Section 16: All	State of Utah ML 16532 HBP	Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc	State of Utah
4	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
5	T9S-R16E SLM Section 9: NWSW	USA UTU-85210 HBP	Newfield Production Company	USA

6	T9S-R16E SLM Section 9: NE, NENW Section 10: N2NW	USA UTU-65207 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA
7	T9S-R16E SLM Section 9: NWNW	USA UTU- 020254 HBP	Newfield Production Company Newfield RMI LLC	USA
8	T9S-R16E SLM Section 8: SENE Section 9: S2NW	USA UTU-79833 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #11A-9-9-16

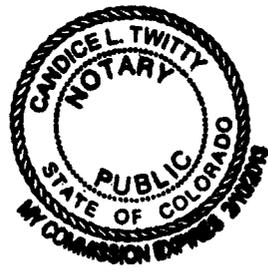
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 7<sup>th</sup> day of June, 2012.

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

My Commission Expires 02/10/2013



## Federal 11A-9-9-16

Spud Date: 4-23-07  
Put on Production: 6-1-07

GL: 5842' KB: 5854'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (309.65')  
DEPTH LANDED: 321.5' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (6101.12')  
DEPTH LANDED: 6117.53' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 156'

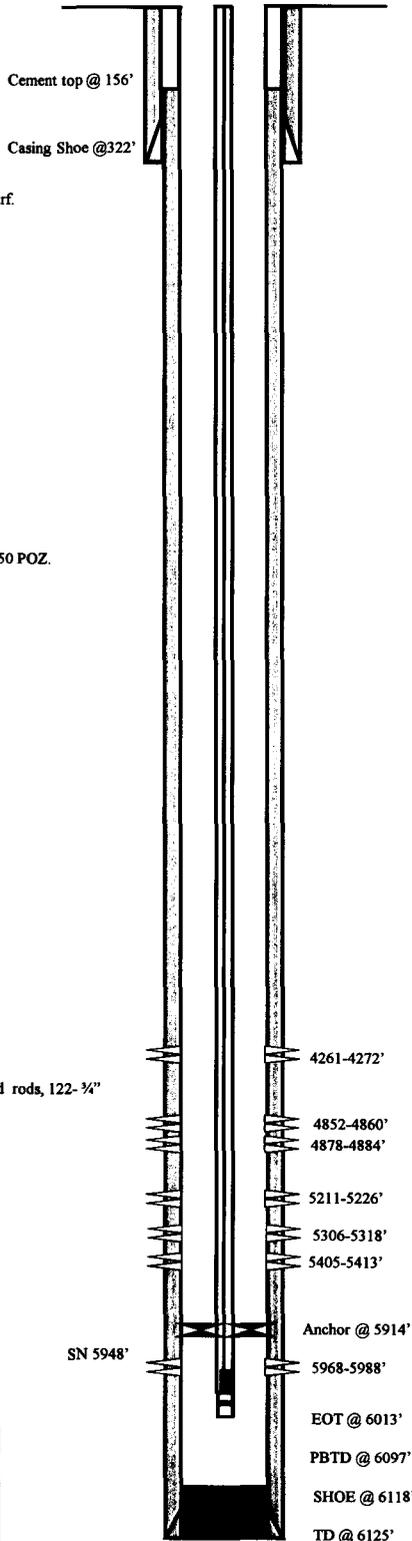
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 192 jts (5901.99')  
TUBING ANCHOR: 5913.99' KB  
NO. OF JOINTS: 1 jts (31.43')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5948.22' KB  
NO. OF JOINTS: 2 jts (62.97')  
TOTAL STRING LENGTH: EOT @ 6012.74' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-8", 6", 4", x 3/4" pony rods, 98- 3/4" scraped rods, 122- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

### FRAC JOB

06-01-07	5968-5988'	<b>Frac CP5 sands as follows:</b> 86018# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1731 psi w/avg rate of 24.8 BPM. ISIP 2226 psi. Calc flush: 5966 gal. Actual flush: 5460 gal.
06-01-07	5405-5413'	<b>Frac LODC sands as follows:</b> 15233# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 2238 psi w/avg rate of 24.8 BPM. ISIP 2359 psi. Calc flush: 5403 gal. Actual flush: 4956 gal.
06-01-07	5306-5318'	<b>Frac LODC sands as follows:</b> 25167# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2598 psi w/avg rate of 24.7 BPM. ISIP 3184 psi. Calc flush: 5304 gal. Actual flush: 4830 gal.
06-01-07	5211-5226'	<b>Frac A3 sands as follows:</b> 81060# 20/40 sand in 608 bbls Lightning 17 frac fluid. Treated @ avg press of 1601 w/ avg rate of 24.7 BPM. ISIP 1930 psi. Calc flush: 5209 gal. Actual flush: 4746 gal.
06-01-07	4852-4884'	<b>Frac D3 sands as follows:</b> 20066# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1701 w/ avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4948 gal. Actual flush: 4368 gal.
06-01-07	4261-4272'	<b>Frac GB4 sands as follows:</b> 55827# 20/40 sand in 453 bbls Lightning 17 frac fluid. Treated @ avg press of 1508 w/ avg rate of 24.8 BPM. ISIP 1752 psi. Calc flush: 4424 gal. Actual flush: 4326 gal.
9-30-08		Pump Change. Updated rod & tubing details.

### PERFORATION RECORD

05-21-07	5968-5988'	4 JSPF	80 holes
06-01-07	5405-5413'	4 JSPF	32 holes
06-01-07	5306-5318'	4 JSPF	48 holes
06-01-07	5211-5226'	4 JSPF	60 holes
06-01-07	4878-4884'	4 JSPF	24 holes
06-01-07	4852-4860'	4 JSPF	32 holes
06-01-07	4261-4272'	4 JSPF	44 holes



**Federal 11A-9-9-16**

1984' FSL & 1980' FWL

NE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-33050; Lease # UTU-79831

# Federal 5-9-9-16

Spud Date: 3-19-07  
 Put on Production: 5-02-07  
 GL: 5789' KB: 5801'

## Injection Wellbore Diagram

### SURFACE CASING

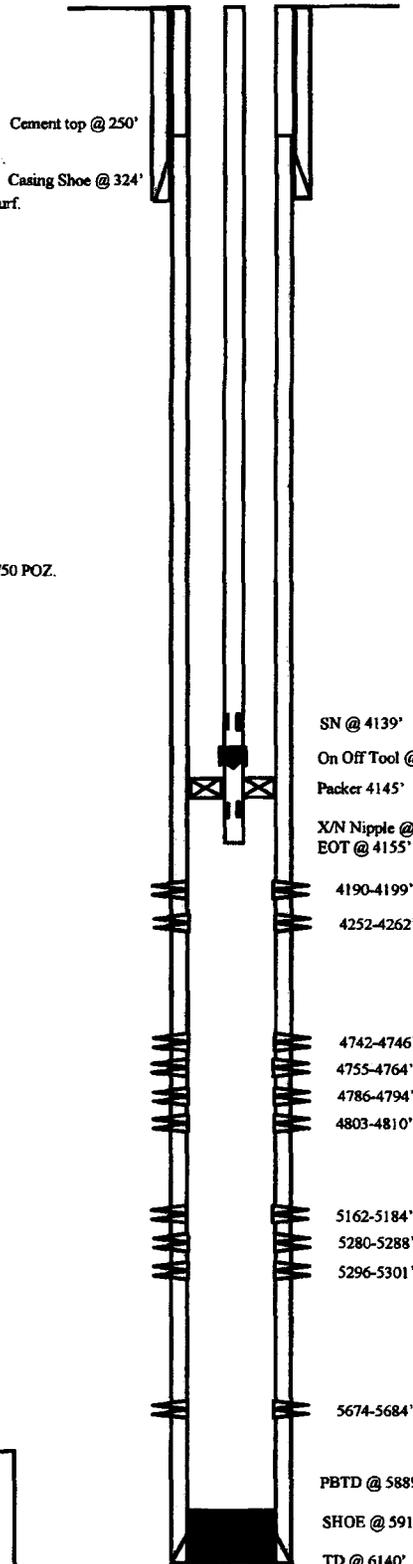
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (313.01')  
 DEPTH LANDED: 323.52' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5912.60')  
 DEPTH LANDED: 5910.85' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 TBG PUP 2-7/8 N-80 AT: 10'  
 NO. OF JOINTS: 134 jts (4116.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4138.7' KB  
 ON/OFF TOOL AT: 4139.8'  
 ARROW #1 PACKER CE AT: 4144.87'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4148.5'  
 TBG PUP 2-7/8 N-80 AT: 4149.1'  
 X/N NIPPLE AT: 4153.1'  
 TOTAL STRING LENGTH: EOT @ 4155'



### FRAC JOB

04-30-07	5674-5684'	<b>Frac CP1 sands as follows:</b> 20595# 20/40 sand in 297 bbls Lightning 17 frac fluid. Treated @ avg press of 2284 psi w/avg rate of 25 BPM. ISIP 2085 psi. Calc flush: 5672 gal. Actual flush: 5208 gal.
04-30-07	5280-5301'	<b>Frac A3 sands as follows:</b> 65451# 20/40 sand in 520 bbls Lightning 17 frac fluid. Treated @ avg press of 2089 psi w/avg rate of 25 BPM. ISIP 2339 psi. Calc flush: 5278 gal. Actual flush: 4830 gal.
04-30-07	5162-5184'	<b>Frac A 1 sands as follows:</b> 110232# 20/40 sand in 778 bbls Lightning 17 frac fluid. Treated @ avg press of 1947 psi w/avg rate of 24.4 BPM. ISIP 2305 psi. Calc flush: 5160 gal. Actual flush: 4704 gal.
04-30-07	4742-4810'	<b>Frac D2, D1 sands as follows:</b> 139780# 20/40 sand in 952 bbls Lightning 17 frac fluid. Treated @ avg press of 1881 w/ avg rate of 25 BPM. ISIP 2123 psi. Calc flush: 4740 gal. Actual flush: 4242 gal.
04-30-07	4190-4262'	<b>Frac GB6, &amp; GB4 sands as follows:</b> 8970# 20/40 sand in 218 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 w/ avg rate of 25 BPM. ISIP 1647 psi. Calc flush: 4189 gal. Actual flush: 4074 gal.
7/1/08		<b>Pump change.</b> Updated rod and tubing detail.
8/10/09		<b>Pump Change.</b> Updated rod & tubing details.
4/1/10		<b>Parted rods.</b> Updated rod and tubing detail.
5/27/2010		<b>Pump change.</b> Updated rod and tubing detail.
7/21/11		<b>Parted rods.</b> Updated rod & tubing detail.
10/29/12		<b>Convert to Injection Well</b>
10/30/12		<b>Conversion MIT Finalized</b> - update thg detail

### PERFORATION RECORD

04-24-07	5674-5684'	4 JSPF	40 holes
04-30-07	5296-5301'	4 JSPF	20 holes
04-30-07	5280-5288'	4 JSPF	32 holes
04-30-07	5162-5184'	4 JSPF	88 holes
04-30-07	4803-4810'	4 JSPF	28 holes
04-30-07	4786-4794'	4 JSPF	32 holes
04-30-07	4755-4764'	4 JSPF	36 holes
04-30-07	4742-4746'	4 JSPF	16 holes
04-30-07	4252-4262'	4 JSPF	40 holes
04-30-07	4190-4199'	4 JSPF	36 holes

**NEWFIELD**

**Federal 5-9-9-16**  
 2096' FNL & 770' FWL  
 SW/NW Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-32916; Lease # UTU-79833

Spud Date: 07/26/2009  
 Put on Production: 08/28/2009  
 GL: 5827' KB: 5839'

### Federal 12-9-9-16

#### Injection Wellbore Diagram

#### SURFACE CASING

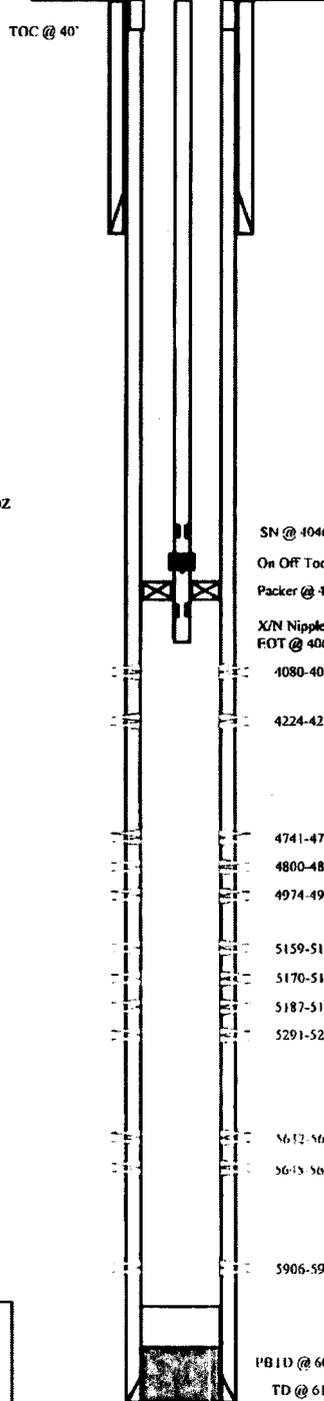
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (300')  
 DEPTH LANDED 312'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 210 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 155 jts (6039')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6093 01'  
 CEMENT DATA 265 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 40'

#### TUBING

SIZE/GRADE/WT 2-7/8" J-55 / 6.5#  
 NO OF JOINTS 128 jts (4033 6')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 4045 6' KB  
 ON/OFF TOOL AT 4046 7'  
 ARROW #1 PACKER CE AT 4053 6'  
 XO 2-3/8 x 2-7/8 J-55 AT 4056 6'  
 TBG PUP 2-3/8 J-55 AT 4057 1'  
 X/N NIPPLE AT 4061 2'  
 TOTAL STRING LENGTH EOT @ 4062 78'



#### FRAC JOB

08-31-09 5906 - 5912' Frac CP4 sands as follows: Frac with 15001# 20/40 sand in 125 bbls Lightning 17 fluid  
 08-31-09 5632 - 5648' Frac CPI sands as follows: Frac with 71037# 20/40 sand in 426 bbls Lightning 17 fluid  
 08-31-09 5159 - 5294' Frac A3 & LODC sands as follows: Frac with 116748# 20/40 sand in 700 bbls Lightning 17 fluid  
 08-31-09 4974 - 4982' Frac B1 sands as follows: Frac with 50899# 20/40 sand in 307 bbls Lightning 17 fluid  
 08-31-09 4741 - 4806' Frac D1 & D2 sands as follows: Frac with 136468# 20/40 sand in 834 bbls Lightning 17 fluid  
 08-31-09 4080 - 4229' Frac GB4 & GBZ sands as follows: Frac with 43808# 20/40 sand in 291 bbls Lightning 17 fluid  
 10-28-09 Tubing Leak Updated rod & tubing details  
 10-09-10 Pump Change. Rod & tubing updated  
 5/26/11 Tubing Leak. Updated rod and tubing detail  
 07/16/13 Convert to Injection Well  
 07/17/13 Conversion MIT Finalized - update the detail

#### PERFORATION RECORD

Interval	ISPF	Holes
5906 - 5912'	3 ISPF	18 holes
5645 - 5648'	3 ISPF	9 holes
5632 - 5638'	3 ISPF	18 holes
5291 - 5294'	3 ISPF	9 holes
5187 - 5190'	3 ISPF	9 holes
5170 - 5172'	3 ISPF	6 holes
5159 - 5162'	3 ISPF	9 holes
4974 - 4982'	3 ISPF	24 holes
4800 - 4806'	3 ISPF	18 holes
4741 - 4746'	3 ISPF	15 holes
4224 - 4229'	3 ISPF	15 holes
4080 - 4083'	3 ISPF	9 holes

**NEWFIELD**

**Federal 12-9-9-16**

1710' FSL & 441' FWL NW/SW  
 Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33969; Lease #UTU-85210

FEDERAL 13-9-9-16

Initial Production: 63 BOPD,  
11 MCFD, 56 BWPD

Spud Date: 04/21/07  
Put on Production: 5/31/07  
GL: 5878' KB: 5890'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (313.03')  
DEPTH LANDED: 323.03' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (6018.39')  
DEPTH LANDED: 6014.39' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
TOP OF CEMENT: Surface

**TUBING**

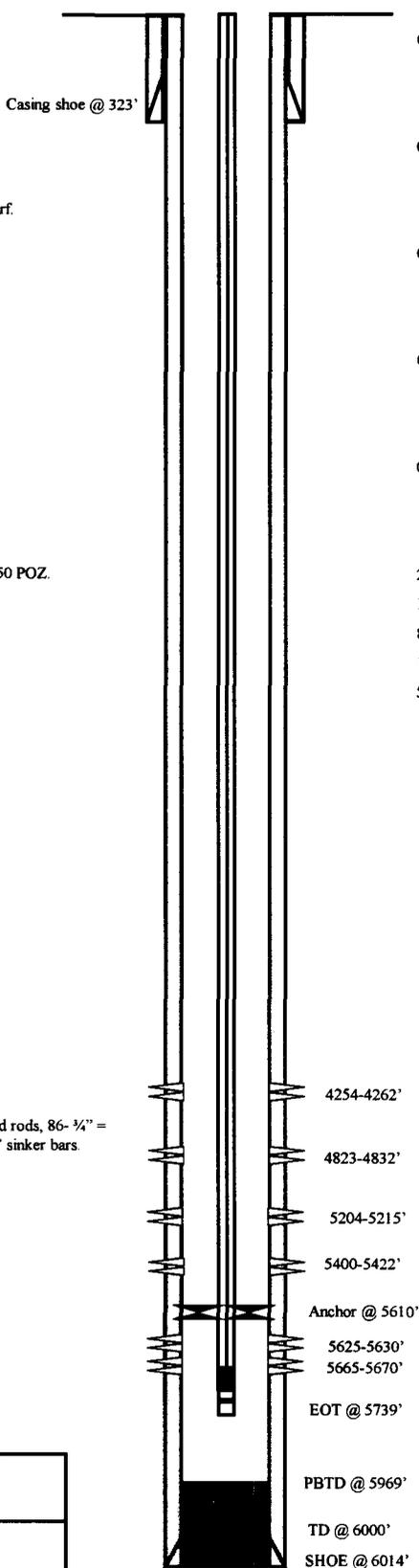
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 179 jts (5597.6')  
TUBING ANCHOR: 5609.6' KB  
NO. OF JOINTS: 2 jts (62.6')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5675.0' KB  
NO. OF JOINTS: 2 jts (62.7')  
TOTAL STRING LENGTH: EOT @ 5739' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1 x 3/4" = 4' pony rod, 89- 3/4" = 2250' guided rods, 86- 3/4" = 2150' sucker rods, 44- 3/4" = 1100' guided rods, 6- 1 1/2" = 150' sinker bars.  
PUMP SIZE: CDI 2-1/2" x 1-1/4" x 16' x 20' RHAC  
STROKE LENGTH: 102"  
PUMP SPEED, SPM: 5

**FRAC JOB**

05/25/07	5625-5670'	<b>Frac CP.5 &amp; CP2 sands as follows:</b> 14942# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 2299 psi w/avg rate of 24.6 BPM. ISIP 2063 psi. Calc flush: 5623 gal. Actual flush: 5120 gal.
05/25/07	5400-5422'	<b>Frac LODC sands as follows:</b> 138714# 20/40 sand in 970 bbls Lightning 17 frac fluid. Treated @ avg press of 2903 psi w/avg rate of 24.7 BPM. ISIP 3560 psi. Calc flush: 5398 gal. Actual flush: 4893 gal.
05/25/07	5204-5215'	<b>Frac A3 sands as follows:</b> 55148# 20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 2274 psi w/avg rate of 24.6 BPM. ISIP 2052 psi. Calc flush: 5202 gal. Actual flush: 4696 gal.
05/25/07	4823-4832'	<b>Frac D2 sands as follows:</b> 50506# 20/40 sand in 419 bbls Lightning 17 frac fluid. Treated @ avg press of 1952 psi w/avg rate of 24.7 BPM. ISIP 2034 psi. Calc flush: 4821 gal. Actual flush: 4284 gal.
05/25/07	4254-4262'	<b>Frac GB4 sands as follows:</b> 13089# 20/40 sand in 202 bbls Lightning 17 frac fluid. Treated @ avg press of 1894 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4252 gal. Actual flush: 4200 gal.
2/24/09		Tubing Leak. Updated r & t details.
1/29/10		Tubing Leak. Updated rod and tubing detail.
8/1/2010		Parted rods. Updated rod and tubing detail.
11/24/2010		Parted rods. Updated rod and tubing detail.
5/20/11		Tubing leak. Updated rod and tubing detail.



**PERFORATION RECORD**

05/14/07	5665-5670'	4 JSPF	20 holes
05/14/07	5625-5630'	4 JSPF	20 holes
05/25/07	5400-5422'	4 JSPF	88 holes
05/25/07	5204-5215'	4 JSPF	44 holes
05/25/07	4823-4832'	4 JSPF	36 holes
05/25/07	4254-4262'	4 JSPF	32 holes

**NEWFIELD**

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**FEDERAL 13-9-9-16**

734' FSL & 625' FWL

SW/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33052; Lease # UTU-64379

## FEDERAL 14-9-9-16

Spud Date: 03/20/07  
 Put on Production: 05/15/07  
 GL: 5814' KB: 5826'

Initial Production: BOPD.  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.95')  
 DEPTH LANDED: 321.85' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (6057.19')  
 DEPTH LANDED: 6070.44' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 103'

#### TUBING

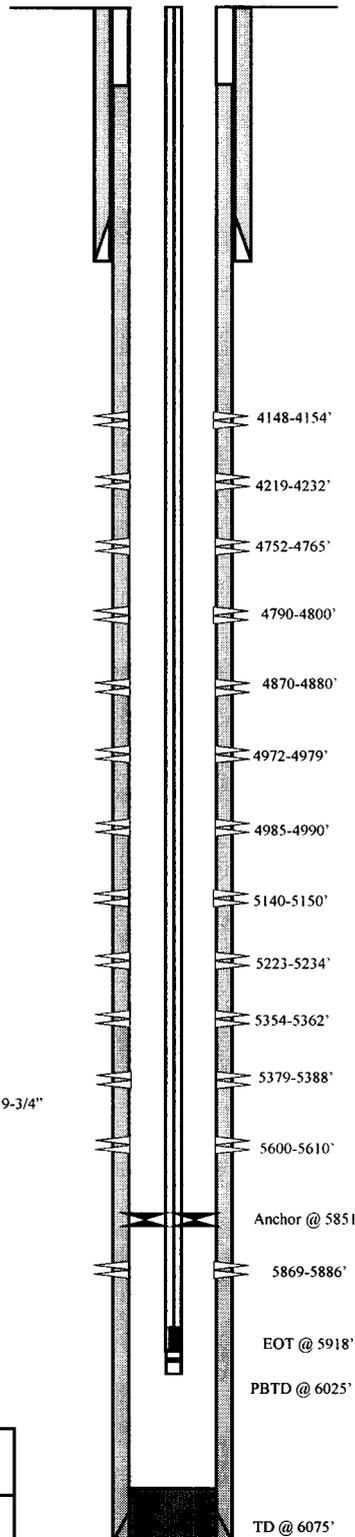
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5851')  
 TUBING ANCHOR: 5851' KB  
 NO. OF JOINTS: 1 jts (31.52')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT: 5885' KB  
 NO. OF JOINTS: 1 jts (31.60')  
 TOTAL STRING LENGTH: EOT @ 5918' 12' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-4" x 3/4" pony rod, 99- 3/4" (4 per) guided rods, 119-3/4" sucker rods, 10-3/4" (4 per) guided rods, 6- 1 1/2" sinker bars.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12x16"RHAC  
 STROKE LENGTH: ?  
 PUMP SPEED, ? SPM:

#### FRAC JOB

05/07/07	5869-5886'	<b>Frac CP4 sands as follows:</b> 58920# 20/40 sand in 518 bbls Lightning 17 frac fluid.
05/07/07	5600-5610'	<b>Frac CP1 sands as follows:</b> 24630# 20/40 sand in 362 bbls Lightning 17 frac fluid.
05/08/07	5354-5388'	<b>Frac LODC sands as follows:</b> 59848# 20/40 sand in 500 bbls Lightning 17 frac fluid.
05/08/07	5223-5234'	<b>Frac A3 sands as follows:</b> 29710# 20/40 sand in 343 bbls Lightning 17 frac fluid.
05/08/07	5140-5150'	<b>Frac A1 sands as follows:</b> 45023# 20/40 sand in 417 bbls Lightning 17 frac fluid.
05/08/07	4985-4990'	<b>Frac B2 sands as follows:</b> 49798# 20/40 sand in 438 bbls Lightning 17 frac fluid.
05/08/07	4870-4979	<b>Frac C sands as follows:</b> 19413# 20/40 sand in 293 bbls Lightning 17 frac fluid.
05/08/07	4752-4800	<b>Frac D3 &amp; D2 sands as follows:</b> 90249# 20/40 sand in 1959 bbls Lightning 17 frac fluid.
05/08/07	4148-4232	<b>Frac GB6 &amp; GB4 sands as follows:</b> 40824# 20/40 sand in 382 bbls Lightning 17 frac fluid.
05/23/08		updated rod and tubing detail
03/12/11		Parted Rods. Rod & tubing details updated



#### PERFORATION RECORD

04/18/07	5869-5886'	4 JSPF	68 holes
05/07/07	5600-5610'	4 JSPF	40holes
05/07/07	5379-5388'	4 JSPF	36 holes
05/08/07	5354-5362'	4 JSPF	32 holes
05/08/07	5223-5234'	4 JSPF	44 holes
05/08/07	5140-5150'	4 JSPF	40 holes
05/08/07	4985-4990'	4 JSPF	20 holes
05/08/07	4972-4979'	4 JSPF	28 holes
05/08/07	4870-4880'	4 JSPF	40 holes
05/08/07	4790-4800'	4 JSPF	40 holes
05/08/07	4752-4765'	4 JSPF	52 holes
05/08/07	4219-4232'	4 JSPF	52 holes
05/08/07	4148-4154'	4 JSPF	24 holes

**NEWFIELD**

**FEDERAL 14-9-9-16**

718'FSL & 1976' FWL

SE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33053; Lease # UTU-79831

Spud Date: 03/27/07  
 Put on Production: 05/18/07  
 GL: 5788' KB: 5800'

# FEDERAL 15-9-9-16

## Injection Wellbore Diagram

### SURFACE CASING

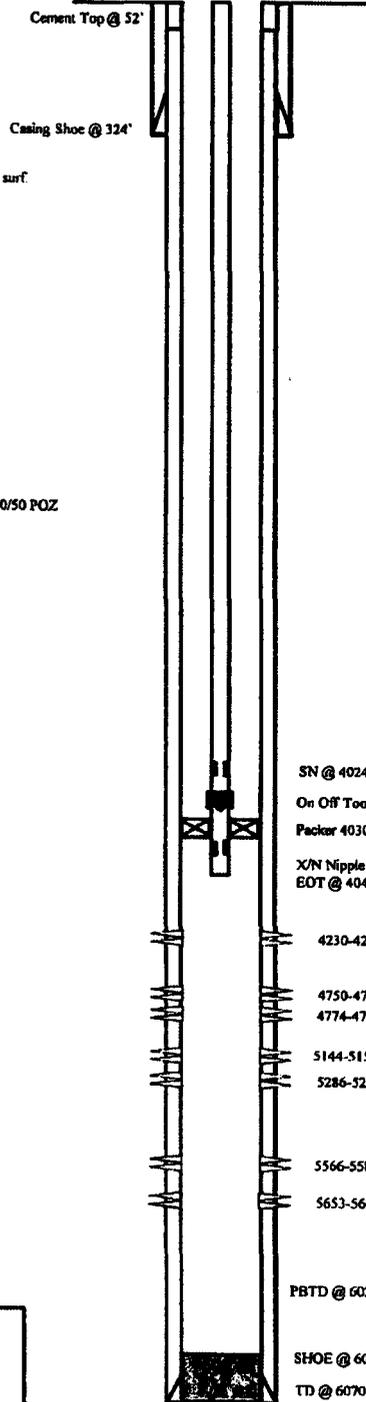
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.28')  
 DEPTH LANDED: 324 13' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sacs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (6038.30')  
 DEPTH LANDED: 6051 55' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sacs Prem Lite II mixed & 450 sacs 50/50 POZ  
 CEMENT TOP: 52'

### TUBING

SIZE/GRADE/WT: 2-7/8" / 6.5# / J-55  
 NO OF JOINTS: 128 jts (4012.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4024.5'  
 ON/OFF TOOL AT: 4025.6'  
 ARROW #1 PACKER CE AT: 4030'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4034.4'  
 TBG PUP 2-3/8 J-55 AT: 4034.9'  
 X/N NIPPLE AT: 4041.2'  
 TOTAL STRING LENGTH: EOT @ 4043'



### FRAC JOB

05/09/07 5653-5664' Frac CP2 sands as follows:  
 19973# 20/40 sand in 326 bbls Lightning 17  
 frac fluid Treated @ avg press of 1977 psi  
 w/avg rate of 24.7 BPM ISIP 1722 psi Calc  
 flush: 5651 gal Actual flush: 5162 gal

05/14/07 5566-5580' Frac CP.5 sands as follows:  
 45412# 20/40 sand in 433 bbls Lightning 17  
 frac fluid Treated @ avg press of 1956 psi  
 w/avg rate of 24.7 BPM ISIP 1956 psi Calc  
 flush: 5564 gal Actual flush: 5122 gal

05/14/07 5286-5292' Frac LODC sands as follows:  
 19538# 20/40 sand in 300 bbls Lightning 17  
 frac fluid Treated @ avg press of 2539 psi  
 w/avg rate of 24.8 BPM ISIP 2675 psi Calc  
 flush: 5284 gal Actual flush: 4830 gal

05/14/07 5144-5154' Frac A3 sands as follows:  
 45178# 20/40 sand in 423 bbls Lightning 17  
 frac fluid Treated @ avg press of 1893 psi  
 w/avg rate of 24.8 BPM ISIP 2111 psi Calc  
 flush: 5142 gal Actual flush: 4662 gal

05/14/07 4750-4780' Frac D2 sands as follows:  
 60592# 20/40 sand in 489 bbls Lightning 17  
 frac fluid Treated @ avg press of 1606 psi  
 w/avg rate of 24.8 BPM ISIP 1847 psi Calc  
 flush: 4748 gal Actual flush: 4284 gal

05/14/07 4230-4248' Frac GB6 sands as follows:  
 92270# 20/40 sand in 664 bbls Lightning 17  
 frac fluid Treated @ avg press of 1955 psi  
 w/avg rate of 24.8 BPM ISIP 2175 psi Calc  
 flush: 4228 gal Actual flush: 4116 gal

9-5-07 Pump Change: Updated rod & tubing details  
 12-13-07 Pump Change: Updated rod & tubing details  
 6/27/2011 Pump Change: Updated rod & tubing details

10/22/12 4058-4064' Frac GB2 sands as follows:  
 24437# 20/40 sand in 272 bbls Lightning 17  
 frac fluid

10/24/12 Convert to Injection Well  
 10/25/12 Conversion MIT Finalized update tbg detail

### PERFORATION RECORD

Date	Interval	JSPF	Holes
05/09/07	5653-5664'	4 JSPF	44 holes
05/14/07	5566-5580'	4 JSPF	56 holes
05/14/07	5286-5292'	4 JSPF	24 holes
05/14/07	5144-5154'	4 JSPF	40 holes
05/14/07	4774-4780'	4 JSPF	24 holes
05/14/07	4750-4756'	4 JSPF	24 holes
05/14/07	4230-4248'	4 JSPF	72 holes
10/20/12	4058-4064'	3 JSPF	18 holes

**NEWFIELD**

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**FEDERAL 15-9-9-16**  
 731' FSL & 1804' FEL  
 SW/SE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33054; Lease # UTU-79831

Sundry Number: 43480 API Well Number: 43013329570000

Spud Date: 02/19/07  
 Put on Production: 03/28/07  
 GL: 5782' KB: 5794'

### Federal 6-9-9-16

#### Injection Wellbore Diagram

#### SURFACE CASING

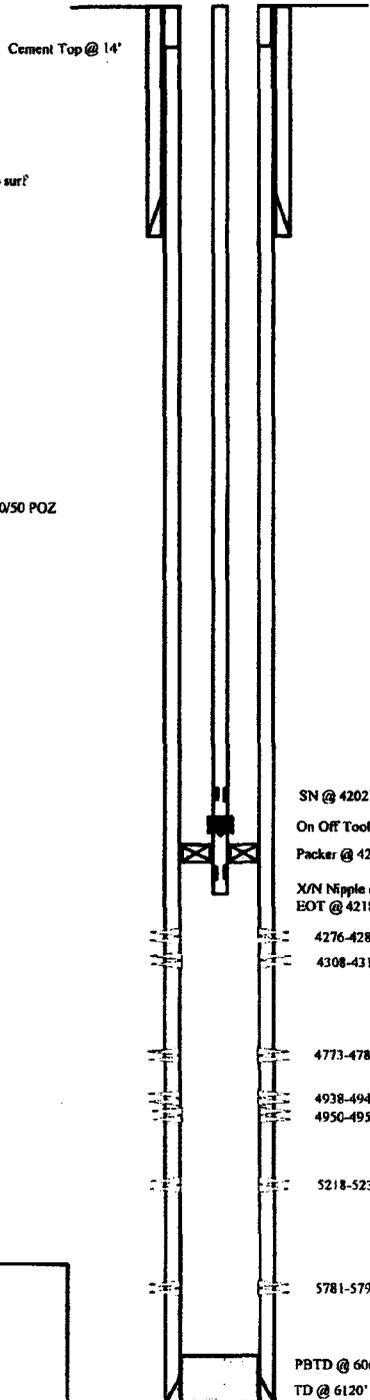
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.37')  
 DEPTH LANDED: 323.87' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to sur?

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (6098.92')  
 DEPTH LANDED: 6112.17' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 133 jts (4190.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4202.1' KB  
 ON/OFF TOOL AT: 4203.2'  
 ARROW #1 PACKER CE AT: 4208.4'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4212'  
 TBG PUP 2-3/8 J-55 AT: 4212.5'  
 X/N NIPPLE AT: 4216.6'  
 TOTAL STRING LENGTH: EOT @ 4218.46'



#### FRAC JOB

03/21/07 6221-6229' Frac CP3 sands as follows:  
 14389# 20/40 sand in 290 bbls Lightning 17  
 frac fluid Treated @ avg press of 1940 psi  
 w/avg rate of 25 BPM ISIP 1775 psi Calc  
 flush: 6219 gal Actual flush: 5250 gal

03/21/07 5218-5237' Frac A1 sands as follows:  
 80163# 20/40 sand in 599 bbls Lightning 17  
 frac fluid Treated @ avg press of 1785 psi  
 w/avg rate of 25 BPM ISIP 2150 psi Calc  
 flush: 5216 gal Actual flush: 4704 gal

03/22/07 4938-4957' Frac C sands as follows:  
 44913# 20/40 sand in 407 bbls Lightning 17  
 frac fluid Treated @ avg press of 1737 psi  
 w/avg rate of 25 BPM ISIP 1940 psi Calc  
 flush: 4936 gal Actual flush: 4410 gal

03/22/07 4773-4787' Frac D1 sands as follows:  
 85267# 20/40 sand in 613 bbls Lightning 17  
 frac fluid Treated @ avg press of 1663 psi  
 w/avg rate of 25 BPM ISIP 2055 psi Calc  
 flush: 4771 gal Actual flush: 2055 gal

03/22/07 4314-4276' Frac GB6 & GB4 sands as follows:  
 23837# 20/40 sand in 276 bbls Lightning 17  
 frac fluid Treated @ avg press of 2018 psi  
 w/avg rate of 25 BPM ISIP 2304 psi Calc  
 flush: 4312 gal Actual flush: 4200 gal

01/03/2012 Pump Change: Updated rod & Tubing detail  
 01/30/2012 Parted rods Updated rod & tubing detail  
 3/9/12 Parted rods: Updated rod & tubing detail  
 10/02/13 Convert to Injection Well  
 10/04/13 Conversion MIT Finalized - update tbg detail

#### PERFORATION RECORD

Date	Interval	ISPP	Holes
03/19/07	5781-5791'	4 JSPP	40 holes
03/21/07	5218-5237'	4 JSPP	76 holes
03/21/07	4950-4957'	4 JSPP	28 holes
03/21/07	4938-4944'	4 JSPP	24 holes
03/22/07	4773-4787'	4 JSPP	56 holes
03/24/07	4308-4314'	4 JSPP	24 holes
03/22/07	4276-4281'	4 JSPP	20 holes

**NEWFIELD**

**FEDERAL 6-9-9-16**  
 1969' FNL & 1994' FWL  
 SE/NW Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32957; Lease # UTU-79833

Spud Date: 5/20/98  
 Put on Production: 7/15/98  
 GL: 5736' KB: 5748'

## South Wells Draw #9-9-9-16

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310')  
 DEPTH LANDED: 311' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts (5830.81')  
 DEPTH LANDED: 5842.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx 28-72 POZ type III & 360 sk Class G  
 CEMENT TOP AT: 2907' CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg  
 NO. OF JOINTS: 132 jts  
 SEAT NIPPLE: 4104'  
 PACKER: 4107'  
 TOTAL STRING LENGTH: EOT @ 4111'

### FRAC JOB

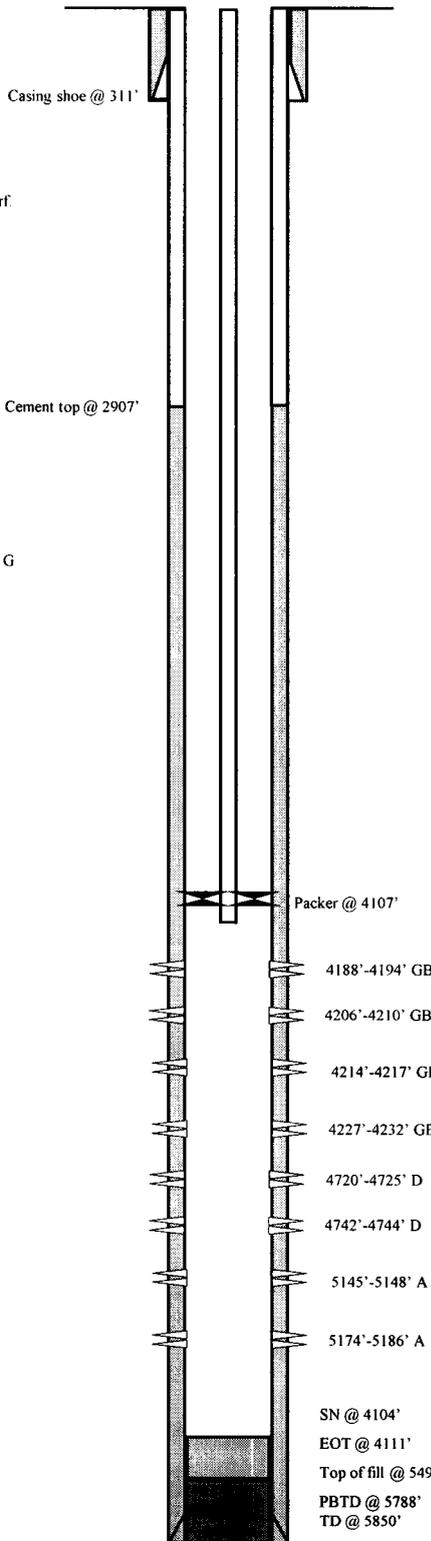
7/2/98 5145'-5186' **Frac A-3 sand as follows:**  
 101,290# 20/40 sand in 455 bbls Viking  
 1-25 fluid. Perfs brokedown @ 2902 psi.  
 Treated @ avg press of 3000 psi w/avg  
 rate of 30 bpm. Due to rapidly increasing  
 pressure, sand was cut @ blender @ 9.6#.  
 Flushed 63 bbls before perfs locked up  
 w/9.5 sand @ perfs. ISIP: 3600 psi, 5-  
 min 2877 psi. Flowback on 12/64" choke  
 for 2.5 hours and died.

7/7/98 5026'-5034' **Frac B-2 sand as follows:**  
 96,120# of 20/40 sand in 516 bbls Viking  
 1-25 fluid. Perfs brokedown @ 3770 psi.  
 Treated @ avg press of 1950 psi w/avg  
 rate of 30 bpm. ISIP: 2050 psi, 5-min  
 1915 psi. Flowback on 12/64" choke for  
 3.5 hours and died.

7/9/98 4720'-4744' **Frac D-1 sand as follows:**  
 88,475# 20/40 sand in 497 bbls Viking 1-  
 25 fluid. Perfs brokedown @ 3212 psi.  
 Treated @ avg press of 2000 psi w/avg  
 rate of 26 bpm. ISIP: 2340 psi, 5-min  
 2000 psi. Flowback on 12/64" choke for  
 4.5 hours and died.

7/11/98 4188'-4232' **Frac GB-4 sands as follows:**  
 93,342# of 20/40 sand in 587 bbls  
 Viking 1-25 fluid. Perfs brokedown @  
 3100 psi. Treated @ avg press of 1600  
 psi w/avg rate of 26.4 bpm. ISIP: 2116  
 psi, 5-min 1857 psi. Flowback on 12/64"  
 choke for 2 hours and died.

11/14/01 Convert to injector.



### PERFORATION RECORD

Date	Interval	Type	Holes
7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes



South Wells Draw #9-9-9-16  
 2081' FSL & 720' FEL  
 NESE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32043; Lease #U-40894

## South Wells Draw Federal 1-9-9-16

Spud Date: 2-23-07  
 Put on Production: 4-12-07  
 GL: 5700' KB: 5712'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.57')  
 DEPTH LANDED: 323.42' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

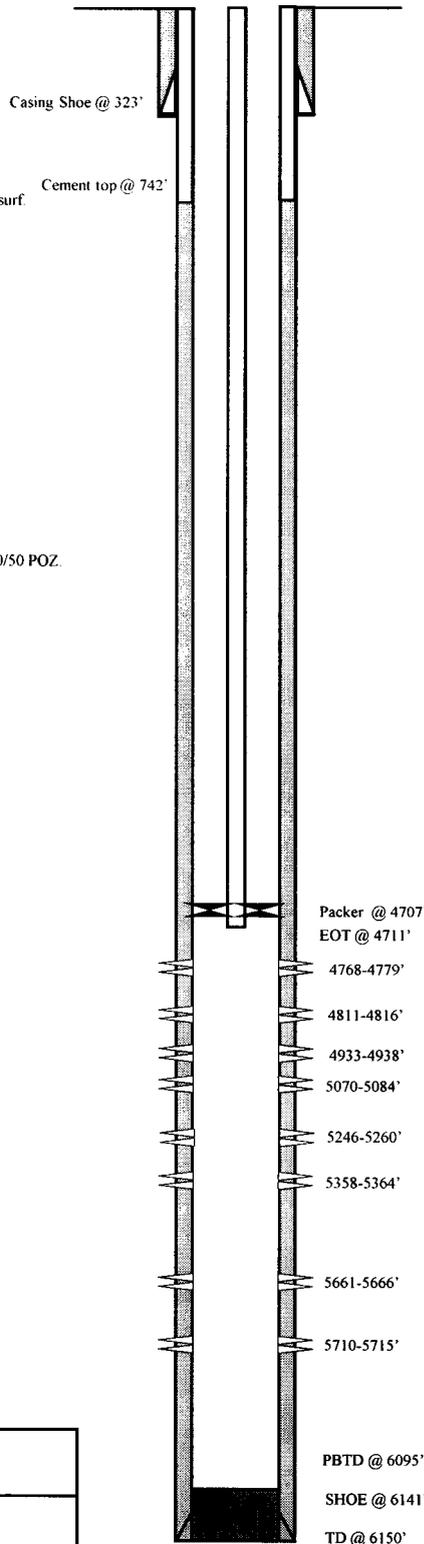
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6127.43')  
 DEPTH LANDED: 6140.68' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 742'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 143 jts (4690.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4702.7' KB  
 CE @ 4707.08'  
 TOTAL STRING LENGTH: EOT @ 4711' w/ 12' KB

### Injection Wellbore Diagram



### FRAC JOB

04-04-07	5661-5715'	<b>Frac CP2, CP1 sands as follows:</b> 19982# 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 25.1 BPM. ISIP 1763 psi. Calc flush: 5659 gal. Actual flush: 5166 gal.
04-04-07	5358-5364'	<b>Frac LODC sands as follows:</b> 40041# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 2962 psi w/avg rate of 25.1 BPM. ISIP 3458 psi. Calc flush: 5356 gal. Actual flush: 4914 gal.
04-04-07	5246-5260'	<b>Frac A3 sands as follows:</b> 84929# 20/40 sand in 638 bbls Lightning 17 frac fluid. Treated @ avg press of 1883 psi w/avg rate of 25.1 BPM. ISIP 2261 psi. Calc flush: 5244 gal. Actual flush: 4788 gal.
04-04-07	5070-5084'	<b>Frac B2 sands as follows:</b> 85291# 20/40 sand in 631 bbls Lightning 17 frac fluid. Treated @ avg press of 1999 w/ avg rate of 25.1 BPM. ISIP 2100 psi. Calc flush: 5068 gal. Actual flush: 4620 gal.
04-04-07	4933-4938'	<b>Frac C sands as follows:</b> 15154# 20/40 sand in 254 bbls Lightning 17 frac fluid. Treated @ avg press of 2940 w/ avg rate of 25.8 BPM. ISIP 3027 psi. Calc flush: 4931 gal. Actual flush: 2354 gal.
04-04-07	4768-4816'	<b>Frac D2, &amp; D1 sands as follows:</b> 89209# 20/40 sand in 653 bbls Lightning 17 frac fluid. Treated @ avg press of 1980 w/ avg rate of 24.6 BPM. ISIP 2207 psi. Calc flush: 4766 gal. Actual flush: 4662 gal.
5/7/09		<b>Tubing Leak.</b> Updated r & t details.
9/15/09		<b>Pump Change.</b> Updated rod & tubing details.
10/04/10		<b>Convert to Injection well</b>
10/07/10		<b>MIT Completed</b> - tbg detail updated

### PERFORATION RECORD

03-30-07	5710-5715'	4 JSPF	20 holes
03-30-07	5661-5666'	4 JSPF	20 holes
04-04-07	5358-5364'	4 JSPF	24 holes
04-04-07	5246-5260'	4 JSPF	56 holes
04-04-07	5070-5084'	4 JSPF	56 holes
04-04-07	4933-4938'	4 JSPF	20 holes
04-04-07	4811-4816'	4 JSPF	20 holes
04-04-07	4768-4779'	4 JSPF	44 holes

**NEWFIELD**

**South Wells Draw Federal 1-9-9-16**

654' FNL & 659' FEL

NE/NE Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-32915; Lease # UTU-65207

## S Wells Draw Federal 7-9-9-16

Spud Date: 5-03-2007

Put on Production: 6-19-2007

GL: 5795' KB: 5807'

Initial Production: BOPD,  
MCFD, BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

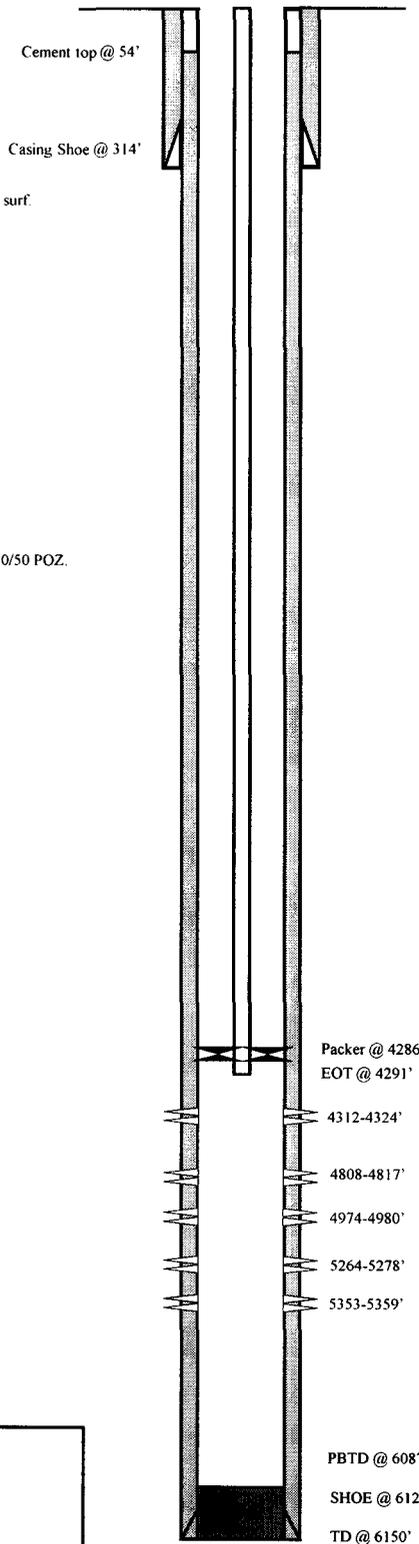
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.36')  
DEPTH LANDED: 314.21' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts (6115.32')  
DEPTH LANDED: 6128.57' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 54'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 139 jts (4270.2')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4282.2' KB  
CE @ 4286.52'  
TOTAL STRING LENGTH: EOT @ 4291' KB



#### FRAC JOB

06-13-07	5353-5359'	<b>Frac LODC sands as follows:</b> 14566# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3118 psi w/avg rate of 24.8 BPM. ISIP 2413 psi. Calc flush: 5351 gal. Actual flush: 4889 gal.
06-13-07	5264-5278'	<b>Frac A3 sands as follows:</b> 84918# 20/40 sand in 633 bbls Lightning 17 frac fluid. Treated @ avg press of 1760 psi w/avg rate of 24.8 BPM. ISIP 2120 psi. Calc flush: 5262 gal. Actual flush: 4746 gal.
06-13-07	4808-4817'	<b>Frac D1 sands as follows:</b> 74920# 20/40 sand in 573 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 24.8 BPM. ISIP 2140 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
06-13-07	4312-4324'	<b>Frac GB4 sands as follows:</b> 48210# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 1692 psi w/avg rate of 24.8 BPM. ISIP 1918 psi. Calc flush: 4310 gal. Actual flush: 4246 gal.
01-18-11	4974-4980'	<b>Frac C sands as follows:</b> 8765# 20/40 sand in 56 bbls Lightning 17 frac fluid.
01-19-11		<b>Convert to Injection well</b>
01-31-11		<b>Conversion MIT</b> - update tbg detail

#### PERFORATION RECORD

06-07-07	5353-5359'	4 JSPF	24 holes
06-13-07	5264-5278'	4 JSPF	56 holes
06-13-07	4808-4817'	4 JSPF	36 holes
06-13-07	5464-5470'	4 JSPF	48 holes
01-18-11	4974-4980'	3 JSPF	18 holes



**S Wells Draw Federal 7-9-9-16**

1919' FNL & 2177' FEL

SW/NE Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-32917; Lease # UTU-65207

## SO WELLS DRAW FED 2-9-9-16

Spud Date: 01/23/2007  
 Put on Production: 04/04/07  
 GL: 5788' KB: 5800'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.69')  
 DEPTH LANDED: 323.54' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est ? bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6146')  
 DEPTH LANDED: 6159.25' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 198'

### TUBING

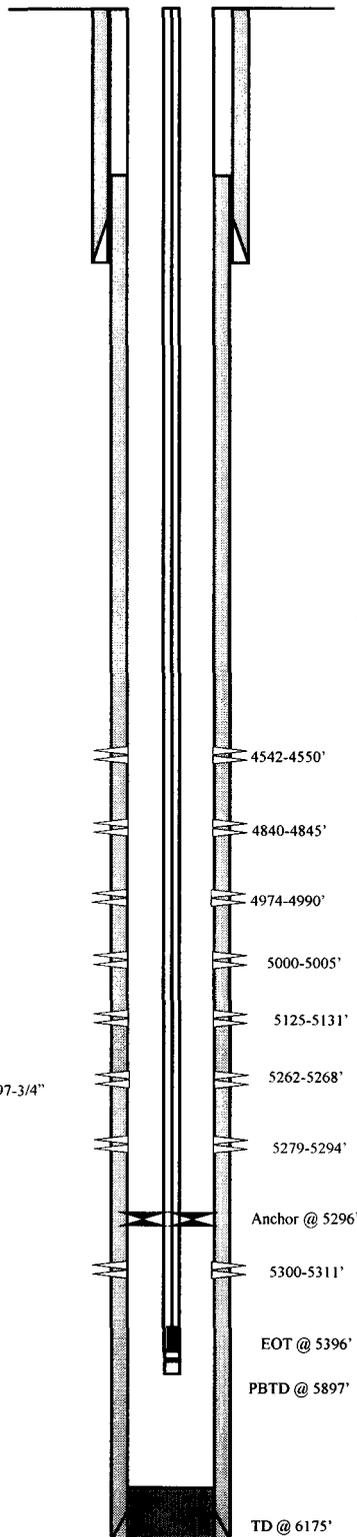
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts (5296.10')  
 TUBING ANCHOR: 5296' KB  
 NO. OF JOINTS: 1 jts (31.70')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5331' KB  
 NO. OF JOINTS: 2 jts (63.70')  
 TOTAL STRING LENGTH: EOT @ 5396' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' 1-6", & 1- 8' x 3/4" ponies, 99-3/4" guided rods, 97-3/4" guided rods 10- guided rods, 6-1/2" sinker bars.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM:

### FRAC JOB

03/28/07	5300-5268'	<b>Frac A3 &amp; A1 sands as follows:</b> 145339# 20/40 sand in 995 bbls Lightning 17 frac fluid. Treated @ avg press of 1734 psi w/avg rate of 25 BPM. ISIP 2166 psi. Calc flush: 5298 gal. Actual flush: 4788 gal.
03/29/07	5125-5131'	<b>Frac B2 sands as follows:</b> 30012# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2040 psi w/avg rate of 25 BPM. ISIP 1717 psi. Calc flush: 5123 gal. Actual flush: 4662 gal.
02/29/07	5000-4990'	<b>Frac C sands as follows:</b> 90319# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1715 psi w/avg rate of 25.1 BPM. ISIP 2000 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.
03/29/07	4840-4845'	<b>Frac D1 sands as follows:</b> 24650# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2370 psi w/avg rate of 24.9 BPM. ISIP 2321 psi. Calc flush: 4838 gal. Actual flush: 4334 gal.
03/29/07	4542-4550'	<b>Frac PB10 sands as follows:</b> 36645# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 2057 psi w/avg rate of 24.9 BPM. ISIP 2290 psi. Calc flush: 4540 gal. Actual flush: 4452 gal.
10/28/09		Pump Change. Updated rod & tubing details.
07/18/11		pump Change. Rods & tubing updated.



### PERFORATION RECORD

03/22/07	5300-5311'	4 JSPF	44 holes
03/22/07	5279-5294'	4 JSPF	60 holes
03/22/07	5262-5268'	4 JSPF	24 holes
03/28/07	5125-5131'	4 JSPF	24 holes
03/29/07	5000-5005'	4 JSPF	20 holes
03/29/07	4974-4990'	4 JSPF	64 holes
03/29/07	4840-4845'	4 JSPF	20 holes
03-29-07	4542-4550'	4 JSPF	32 holes



### So Wells Draw Fed. 2-9-9-16

978'FNL & 1965' FEL  
 NW/NE Section 9-T9S-R16E  
 Duchesne Co, Utah

API #43-013-32956; Lease # UTU-65207

Spud Date: 02-28-08  
 Put on Production: 05-13-08  
 GL: 5841' KB: 5853'

# State 3-16-9-16

## Injection Wellbore Diagram

### SURFACE CASING

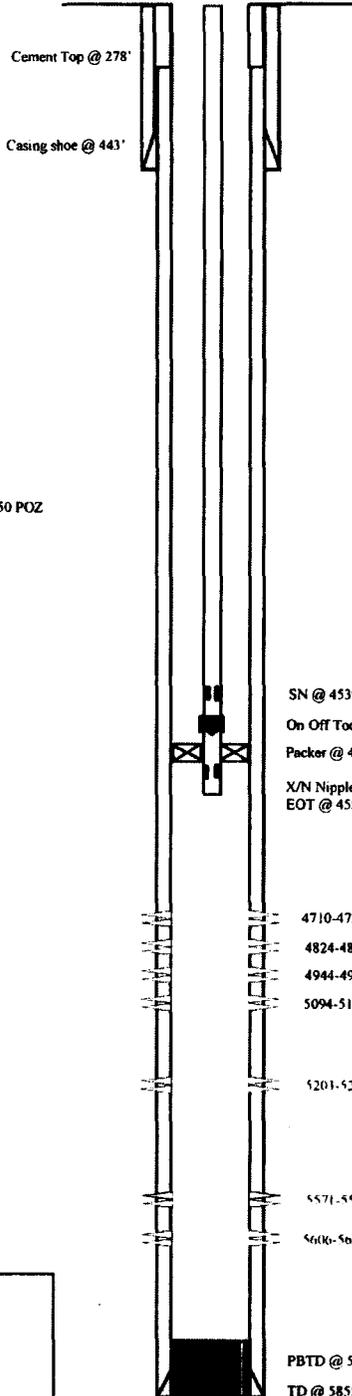
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 10 jts  
 DEPTH LANDED 443'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA To surface with 209 sx Class "G" cmt

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 147 jts  
 HOLE SIZE 7-7/8"  
 DEPTH LANDED: 5855 97'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 278'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 148 jts (4526 9')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT 4538 9' KB  
 ON/OFF TOOL AT 4540 0'  
 ARROW #1 PACKER CE AT 4545'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4548 8'  
 TBG PUP 2-3/8 J-55 AT 4549 3'  
 X/N NIPPLE AT 4553 4'  
 TOTAL STRING LENGTH: EOT @ 4555'



### FRAC JOB

04-22-08 5571-5592' Frac C P1 sds as follows:  
 Frac w/144,428# 20/40 sand in 1022 bbls of Lightning 17 fluid Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM ISIP 2006 psi Actual Flush: 5065 gals

04-22-08 5203-5211' Frac L.ODC sds as follows:  
 Frac w/24,817# 20/40 sand in 356 bbls of Lightning 17 fluid Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM ISIP 2543 psi Actual Flush: 4696 gals

04-22-08 5094-5109' Frac A1 sds as follows:  
 Frac w/38,375# 20/40 sand in 420 bbls of Lightning 17 fluid Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM ISIP 2543 psi Actual Flush: 4586 gals

04-22-08 4944-4954' Frac B2 sds as follows:  
 Frac w/30,349# 20/40 sand in 383 bbls of Lightning 17 fluid Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM ISIP 1842 psi Actual Flush: 4439 gals

04-22-08 4824-4839' Frac C sds as follows:  
 Frac w/48,027# 20/40 sand in 446 bbls of Lightning 17 fluid Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM ISIP 2063 psi Actual Flush: 4318 gals

04-22-08 4710-4724' Frac D2 sds as follows:  
 Frac w/37,944# 20/40 sand in 423 bbls of Lightning 17 fluid Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM ISIP 2646 psi Actual Flush: 4624 gals

05/11/2012 Updated Rod & Tubing detail  
 Convert to Injection Well  
 Conversion MIT Finalized - update tbg detail

SN @ 4539'  
 On Off Tool @ 4540' 11/19/12  
 Packer @ 4545' 11/20/12  
 X/N Nipple @ 4553'  
 EOT @ 4555'

4710-4724'  
 4824-4839'  
 4944-4954'  
 5094-5109'  
 5201-5211  
 5571-5592  
 5606-5620'

### PERFORATION RECORD

4710-4724' 4 JSPF 56 holes  
 4824-4839' 4 JSPF 60 holes  
 4944-4954' 4 JSPF 40 holes  
 5094-5109' 4 JSPF 60 holes  
 5203-5211' 4 JSPF 32 holes  
 5571-5592' 4 JSPF 84 holes  
 5606-5620' 4 JSPF 56 holes

**NEWFIELD**

State 3-16-9-16  
 660' FNL & 1990' FWL  
 NE/NW Section 16-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33847; Lease #Utah State ML-16532

# GMBU L-9-9-16

Spud Date: 9/28/12  
 Put on Production: 11/6/12  
 GL: 5722' KB: 5732'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6jts (263.15')  
 DEPTH LANDED: 319.62'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sxs Class "G" cmt, circ 5 bbls to surf.

### PRODUCTION CASING

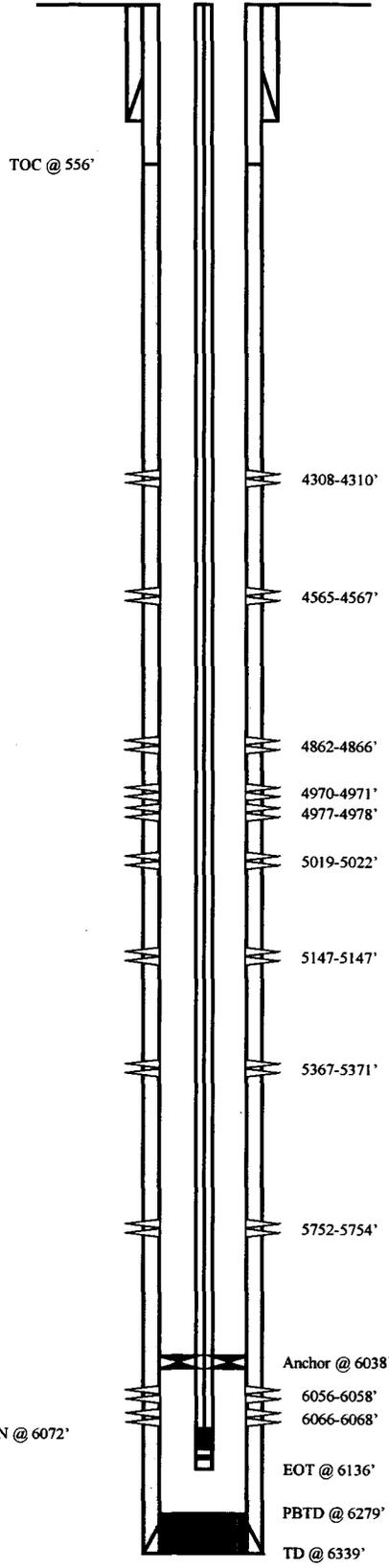
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154jts (6306.08')  
 DEPTH LANDED: 6322.69'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240sxs Premlite II & 470sxs 50:50 POZ.  
 CEMENT TOP: 556' per CBL 10/22/12

### TUBING (KS 11/6/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 192jts (6026.7')  
 TUBING ANCHOR: 6037.5'  
 NO. OF JOINTS: 1jt (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6071.8'  
 NO. OF JOINTS: 2jts (63')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 6136'

### SUCKER RODS (KS 11/6/12)

POLISHED ROD: 30' x 1-1/2" Polished Rods  
 SUCKER RODS: 2', 6', 8' x 7/8" Pony Rods, 71 x 7/8"  
 4per Guided Rods, 140 x 3/4" 4per Guided Rods, 30 x 7/8"  
 8per Guided Rods  
 PUMP SIZE: 2-1/2" x 1-3/4" x 21' x 24' RHAC  
 STROKE LENGTH: 146"  
 PUMP SPEED, SPM: 4.5  
 PUMPING UNIT: DARCO C-640-365-168



### FRAC JOB

Depth Range	Frac Job Details
5752-6068'	<b>Frac zone as follows:</b> 50,838# 20/40 sand in 302 bbls 17# Borate Treated @ 3324 avg PSI w/avg rate of 38 BPM. ISIP 1515 psi.
5147-5371'	<b>Frac zone as follows:</b> 35,419# 20/40 sand in 228 bbls 17# Borate Treated @ 3162 avg PSI w/avg rate of 32 BPM. ISIP 1725 psi.
4970-5022'	<b>Frac zone as follows:</b> 50,077# 20/40 sand in 301 bbls 17# Borate Treated @ 3632 avg PSI w/avg rate of 28 BPM. ISIP 1850 psi.
4862-4866'	<b>Frac zone as follows:</b> 59,471# 20/40 sand in 349 bbls 17# Borate Treated @ 3403 avg PSI w/avg rate of 29 BPM. ISIP 1975 psi.
4308-4567'	<b>Frac zone as follows:</b> 30,160# 20/40 sand in 196 bbls 17# Borate Treated @ 3263 avg PSI w/avg rate of 32 BPM. ISIP 1585 psi.

### PERFORATION RECORD

Depth Range	Perforation Details
4308-4310'	3 JSPF 10/24/12
4565-4567'	3 JSPF 10/24/12
4862-4866'	3 JSPF 10/24/12
4970-4971'	3 JSPF 10/24/12
4977-4978'	3 JSPF 10/24/12
5019-5022'	3 JSPF 10/24/12
5147-5148'	3 JSPF 10/24/12
5367-5371'	3 JSPF 10/24/12
5752-5754'	3 JSPF 10/22/12
6056-6058'	3 JSPF 10/22/12
6066-6068'	3 JSPF 10/22/12

**NEWFIELD**

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**GMBU L-9-9-16**  
 1817' FNL & 669' FEL  
 SE/NE Section 9, T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-51173; Lease #UTU-65207

# NEWFIELD



## GMBU M-9-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/NW Section 9, T9S, R16E; 1977' FNL & 1935' FWL

Elevation: 5787' GL + 10' KB

API Number: 49-013-51690; Lease Number: UTU-79833

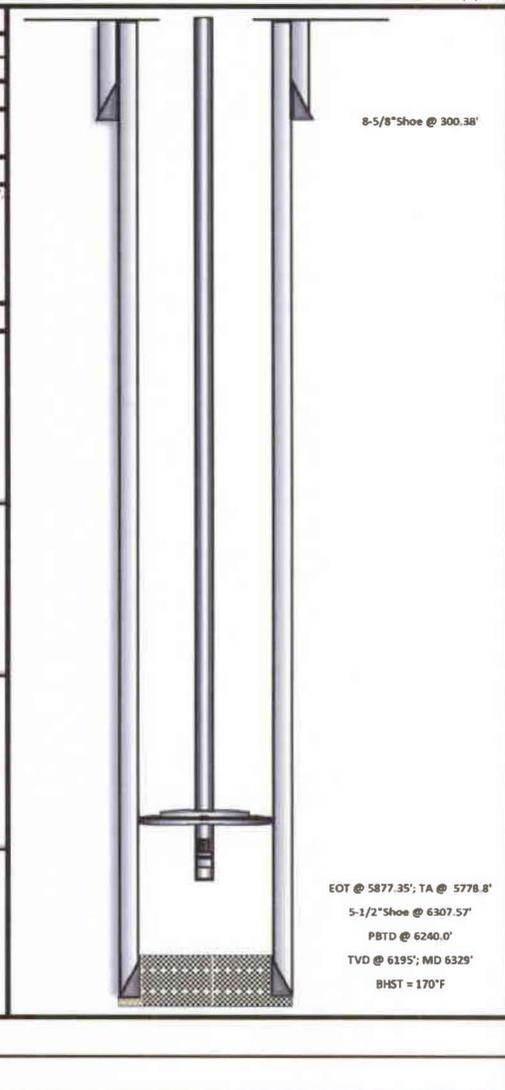
Paul Lambbeck

PFM 6/13/2013

Spud Date: 5/27/2013

PoP Date: 7/3/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	300'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,308'	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		
	10'	5,877'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,779'	
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 @ 5796'			
	Pony Rod			30'	46'	7/8"	Tenaris D78	16	1				
	4per Guided Rod			46'	1,896'	7/8"	Tenaris D78	1850	74				
	4per Guided Rod			1,896'	5,046'	3/4"	Tenaris D78	3150	126				
4per Guided Rod			5,046'	5,796'	7/8"	Tenaris D78	750	30					
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	2	-	-	Formation:	GB4						
	0'	0'	2	-	-	20/40 White:	24,648 lbs	15% HCl:	0 gals				
	0'	0'	2	-	-	Pad:	2,880 gals	Treating Fluid:	3,600 gals				
	0'	0'	2	-	-	Flush:	4,276 gals	Load to Recover:	10,756 gals				
	0'	0'	2	-	-	ISIP=	0.852 psi/ft	Max STP:	2,602 psi				
	4,276'	4,282'	2	0.34	6/25/2013								
3	0'	0'	2	-	-	Formation:	C:Sand D1						
	0'	0'	2	-	-	20/40 White:	22,811 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Pad:	2,953 gals	Treating Fluid:	5,350 gals				
	0'	0'	2	-	-	Flush:	4,893 gals	Load to Recover:	13,700 gals				
	0'	0'	2	-	-	ISIP=	0.808 psi/ft	Max STP:	2,549 psi				
	4,860'	4,862'	2	0.34	6/25/2013								
5,038'	5,042'	2	0.34	6/25/2013									
2	0'	0'	2	-	-	Formation:	A3 B2						
	0'	0'	2	-	-	20/40 White:	79,948 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Pad:	3,738 gals	Treating Fluid:	18,670 gals				
	5,172'	5,174'	2	0.34	6/25/2013	Flush:	5,116 gals	Load to Recover:	28,028 gals				
	5,328'	5,329'	2	0.34	6/25/2013	ISIP=	1.208 psi/ft	Max STP:	4,265 psi				
	5,336'	5,337'	2	0.34	6/25/2013								
5,342'	5,344'	2	0.34	6/25/2013									
1	0'	0'	2	-	-	Formation:	CP1						
	0'	0'	2	-	-	20/40 White:	14,738 lbs	15% HCl:	756 gals				
	0'	0'	2	-	-	Pad:	3,797 gals	Treating Fluid:	3,560 gals				
	0'	0'	2	-	-	Flush:	5,830 gals	Load to Recover:	13,943 gals				
	0'	0'	2	-	-	ISIP=	0.821 psi/ft	Max STP:	3,521 psi				
	5,788'	5,794'	2	0.34	6/20/2013								



CEMENT: Surf On 5/28/13 Baker Hughes cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 10 bbls to the pit.  
 Prod On 6/7/13 Baker pumped 220sks lead @ 11 ppg w/ 3.53 yield plus 455 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 1 bbls to the pit. TOC @ 210'.

# NEWFIELD



## GMBU I-9-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Location: NENE Sec 9, T9S, R16E; 709' FNL & 655' FEL

5702' GL 13' KB

API#: 43-013-51164; Lease#: UTU-85207

Mickey Moulton

DLB 12/4/12

Spud Date: 9/11/12; PoP Date: 10/18/12

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	bbbl/ft	Coupling	Hole
	Surf	13'	320'	8 625"	24#	J-55	7 972"	2,950	1,370	8 097"	2 6749	STC	12 250
Prod	13'	6,391'	5 5"	15 5#	J-55	4 825"	4 810	4 040	4 950"	0 9997	LTC	7 875	
TUBG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	13'	5,386'	8EUE	2-7/8"	6 5#	J-55	2 347"	7 260	7 680	2 441"	Tubing Anchor Set @ 5,287'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod			30'	1 1/2"	PRAY META	30'	1	Insert Pump 2.5 Max ID x 1.75 Plunger RHAC @				
	Pony Rod		30'	66'	7/8"	Tenans D7	36'	3	5341' Cent Hyd 003 spray metal, CPID barrel				
	#per Guided Rod		66'	1 791'	7/8"	Tenans D7	1 725'	69					
	#per Guided Rod		1 791'	4 641'	3/4"	Tenans D7	2 850'	114					
	#per Guided Rod		4 641'	5 341'	7/8"	Tenans D7	700'	28					
Stage	Top	Bottom	SPF	Gun Size	Date	Frac Summary							
3	4,324'	4,325'	3	1"	10/9/2012	Formation:	GB-6					KCL 7%	
	4,334'	4,338'	3	4"	10/9/2012	20/40 White:	28,898 lbs	15% HCL:	0 gals				
						Pad:	2,129 gals	Treating Fluid:	6,859 gals				
						Flush:	5,888 gals	Total Load to Rec:	14,876 gals				
					ISIP=	0.900 psi/ft	Max STP:	2,914 psi					
2	4,809'	4,810'	3	1"	10/9/2012	Formation:	D-2 D-1					KCL 7%	
	4,816'	4,818'	3	2"	10/9/2012	20/40 White:	114,172 lbs	15% HCL:	1,226 gals				
	4,890'	4,892'	3	2"	10/9/2012	Pad:	4,780 gals	Treating Fluid:	26,195 gals				
	4,899'	4,902'	3	3"	10/9/2012	Flush:	4,809 gals	Total Load to Rec:	37,010 gals				
						ISIP=	0.920 psi/ft	Max STP:	3,607 psi				
1	5,257'	5,258'	3	1"	10/8/2012	Formation:	A-3 A-1					KCL 7%	
	5,264'	5,266'	3	2"	10/8/2012	20/40 White:	108,585 lbs	15% HCL:	752 gals				
	5,294'	5,296'	3	2"	10/8/2012	Pad:	3,003 gals	Treating Fluid:	24,793 gals				
	5,302'	5,304'	3	2"	10/8/2012	Flush:	4,721 gals	Total Load to Rec:	33,264 gals				
						ISIP=	0.820 psi/ft	Max STP:	3,582 psi				
CEMENT	Surf	On 9/12/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15 8 ppg w/ 1.17 yield and returned 6 bbls to the pit.											
	Prod	Contact Drilling for cement detail TOC @ Surface											



# NEWFIELD

## GMBU H-9-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: NE/NW Section 9, T9S, R16E; 466' FNL & 2,072' FWL

Elevation: 5747' GL + 10' KB

API Number: 43-013-51694; Lease Number: UTU-65207

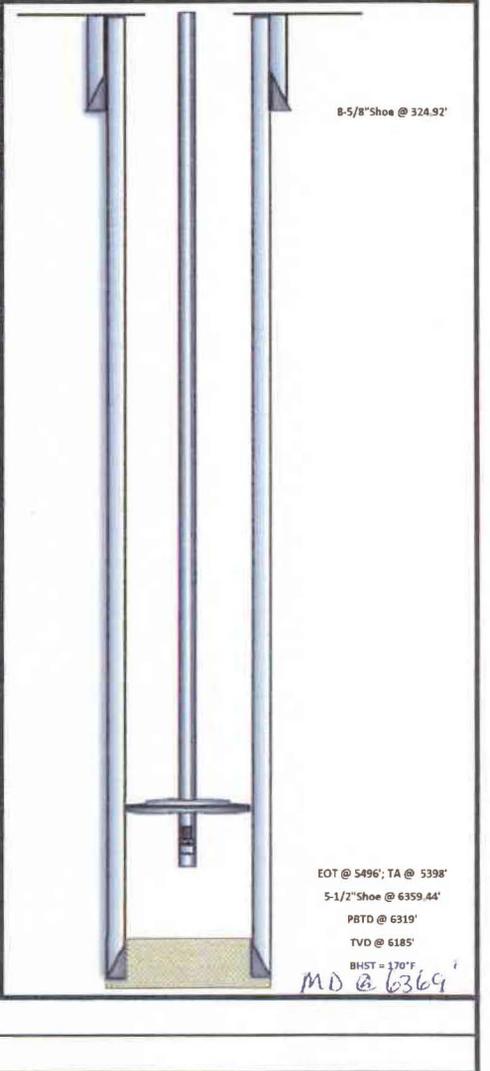
Paul Lambcke

PFM 3/7/2014

Spud Date: 4/8/2013

PoP Date: 5/25/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	325'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2,6749	STC	12,250
Prod	10'	6,359'	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		
	10'	5,496'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,398'		
Rod Detail	Component	Top	Bottom	Size	Grade	Length	Count	Pump					
	Pony Rod	0'	0'	7/8"	Tenaris D7#	0	0	Insert Pump: 2.5" Max ID x 1.75" Plunger RHBC @ 5434'					
	Polish Rod	0'	30'	1 1/2"	spray metal	30	1						
	Pony Rod	30'	34'	7/8"	Tenaris D7#	4	1						
	Upper Guided Rod	34'	1,759'	7/8"	Tenaris D7#	1725	69						
	Lower Guided Rod	1,759'	4,684'	3/4"	Tenaris D7#	2925	117						
Upper Guided Rod	4,684'	5,434'	7/8"	Tenaris D7#	750	30							
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	2	-	-	Formation:	GB6	GB4					
	0'	0'	2	-	-	20/40 White:	81,030 lbs	15% HCl:	0 gals				
	0'	0'	2	-	-	Pad:	2,344 gals	Treating Fluid:	19,981 gals				
	0'	0'	2	-	-	Flush:	4,267 gals	Load to Recover:	26,592 gals				
	4,372'	4,374'	2	0.34	5/20/2013	ISIP=	0.882 psi/ft	Max STP:	2,931 psi				
	4,404'	4,406'	2	0.34	5/20/2013								
3	0'	0'	2	-	-	Formation:	D1	D53					
	0'	0'	2	-	-	20/40 White:	66,946 lbs	15% HCl:	252 gals				
	4,852'	4,854'	2	0.34	5/20/2013	Pad:	3,032 gals	Treating Fluid:	15,403 gals				
	4,862'	4,864'	2	0.34	5/20/2013	Flush:	4,981 gals	Load to Recover:	23,668 gals				
	4,912'	4,914'	2	0.34	5/20/2013	ISIP=	0.873 psi/ft	Max STP:	3,065 psi				
	4,918'	4,920'	2	0.34	5/20/2013								
2	0'	0'	2	-	-	Formation:	C-Sand	D3					
	5,008'	5,010'	2	0.34	5/20/2013	20/40 White:	137,380 lbs	15% HCl:	252 gals				
	5,013'	5,014'	2	0.34	5/20/2013	Pad:	2,881 gals	Treating Fluid:	31,999 gals				
	5,059'	5,060'	2	0.34	5/20/2013	Flush:	4,918 gals	Load to Recover:	40,050 gals				
	5,063'	5,064'	2	0.34	5/20/2013	ISIP=	0.784 psi/ft	Max STP:	2,657 psi				
	5,090'	5,092'	2	0.34	5/20/2013								
1	0'	0'	2	-	-	Formation:	A3						
	0'	0'	2	-	-	20/40 White:	71,173 lbs	15% HCl:	378 gals				
	0'	0'	2	-	-	Pad:	4,759 gals	Treating Fluid:	16,401 gals				
	0'	0'	2	-	-	Flush:	5,389 gals	Load to Recover:	26,927 gals				
	5,390'	5,391'	2	0.34	5/17/2013	ISIP=	0.913 psi/ft	Max STP:	3,050 psi				
	5,402'	5,404'	2	0.34	5/17/2013								
CEMENT	Surf	On 4/11/13 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 6 bbls to the pit.											
	Prod	On 5/6/13 Baker pumped 225 sks lead @ 13 ppg w/ 3.53 yield plus 455 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 20 bbls to the pit. TOC @ 100'.											



EOT @ 5496'; TA @ 5398'  
 5-1/2" Shoe @ 6359.44'  
 PBTD @ 6319'  
 TVD @ 6185'  
 BHST = 170°F  
*MD @ 6369'*

# NEWFIELD



## GMBU G-9-9-16

Monument Butte - Duchesne County; Utah, USA

Surface Legal Location: SE/NW Section 9, T9S, R16E; 1965' FNL & 1953' FWL

Elevation: 5787' GL + 10' KB

API Number: 43-013-51695; Lease Number: UTU-79833

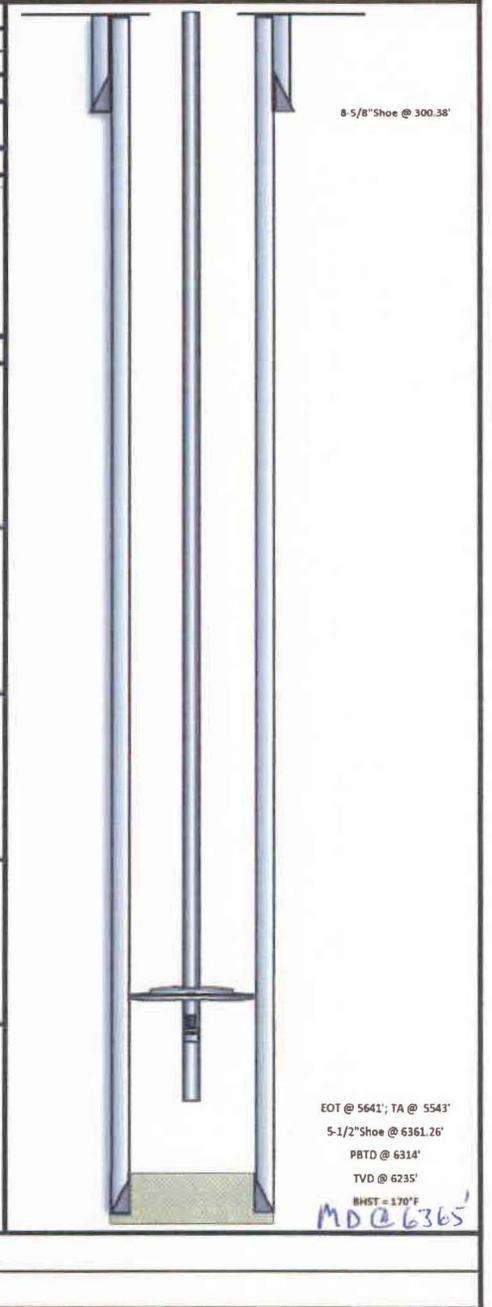
Paul Lembecke

PFM 6/13/2013

Spud Date: 5/26/2013

PoP Date: 7/3/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	300'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12,250
Prod	10'	6,361'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7,875	
TBC Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,641'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,543'		
ROD DETAIL	Component	Top	Bottom	Size	Grade	Length	Count	Pump					
	Pony Rod	0'	2'	7/8"	Tenaris D78	2	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5567'					
	Polish Rod	2'	32'	1 1/2"	Spray Metal	30	1						
	Pony Rod	32'	34'	7/8"	Tenaris D78	2	1						
	Pony Rod	34'	42'	7/8"	Tenaris D78	8	1						
	4per Guided Rod	42'	1,892'	7/8"	Tenaris D78	1850	74						
	4per Guided Rod	1,892'	4,817'	3/4"	Tenaris D78	2925	117						
	8per Guided Rod	4,817'	5,567'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	0'	0'	2	-	-	Formation:	GB4						
	0'	0'	2	-	-	20/40 White:	33,417 lbs	15% HCl:	0 gals				
	0'	0'	2	-	-	Prod:	4,400 gals	Treating Fluid:	8,160 gals				
	0'	0'	2	-	-	Flush:	4,362 gals	Load to Recover:	16,922 gals				
	4,363'	4,364'	2	0.34	6/24/2013	ISIP=	0.906 psi/ft	Max STP:	2,666 psi				
	4,368'	4,370'	2	0.34	6/24/2013								
4	0'	0'	3	-	-	Formation:	PB10						
	0'	0'	3	-	-	20/40 White:	18,295 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Prod:	10,710 gals	Treating Fluid:	14,756 gals				
	0'	0'	3	-	-	Flush:	9,278 gals	Load to Recover:	35,248 gals				
	0'	0'	3	-	-	ISIP=	0.818 psi/ft	Max STP:	2,374 psi				
	4,614'	4,622'	3	0.34	6/24/2013								
3	0'	0'	2	-	-	Formation:	D1 D53						
	0'	0'	2	-	-	20/40 White:	60,219 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Prod:	4,599 gals	Treating Fluid:	13,602 gals				
	4,824'	4,826'	2	0.34	6/24/2013	Flush:	4,805 gals	Load to Recover:	23,510 gals				
	4,832'	4,834'	2	0.34	6/24/2013	ISIP=	0.863 psi/ft	Max STP:	3,737 psi				
	4,883'	4,885'	2	0.34	6/24/2013								
2	0'	0'	2	-	-	Formation:	C-Sand D3 D2						
	0'	0'	2	-	-	20/40 White:	45,400 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Prod:	4,360 gals	Treating Fluid:	10,202 gals				
	4,953'	4,955'	2	0.34	6/24/2013	Flush:	4,985 gals	Load to Recover:	20,051 gals				
	4,983'	4,984'	2	0.34	6/24/2013	ISIP=	0.819 psi/ft	Max STP:	3,059 psi				
	4,987'	4,988'	2	0.34	6/24/2013								
1	5,068'	5,072'	2	0.34	6/24/2013								
	5,358'	5,360'	2	0.34	6/20/2013	Formation:	LODC A3						
	5,390'	5,391'	2	0.34	6/20/2013	20/40 White:	214,764 lbs	15% HCl:	756 gals				
	5,451'	5,452'	2	0.34	6/20/2013	Prod:	13,411 gals	Treating Fluid:	47,739 gals				
	5,459'	5,460'	2	0.34	6/20/2013	Flush:	5,405 gals	Load to Recover:	67,311 gals				
	5,435'	5,436'	2	0.34	6/20/2013	ISIP=	0.841 psi/ft	Max STP:	3,065 psi				
	5,499'	5,499'	2	0.34	6/20/2013								
	5,513'	5,514'	2	0.34	6/20/2013								
	5,561'	5,562'	2	0.34	6/20/2013								
	5,568'	5,569'	2	0.34	6/20/2013								
	CEMENT	Surf	On 5/28/13 Baker Hughes cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 10 bbls to the pit.										
Prod		On 6/3/13 Baker pumped 220sks lead @ 11 ppg w/ 3.53 yield plus 455 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 17 bbls to the pit. TOC @ 50'.											



EOT @ 5641'; TA @ 5543'  
 5-1/2" Shoe @ 6361.26'  
 PBTD @ 6314'  
 TVD @ 6235'  
 BHST = 170°F

*MD @ 6365'*

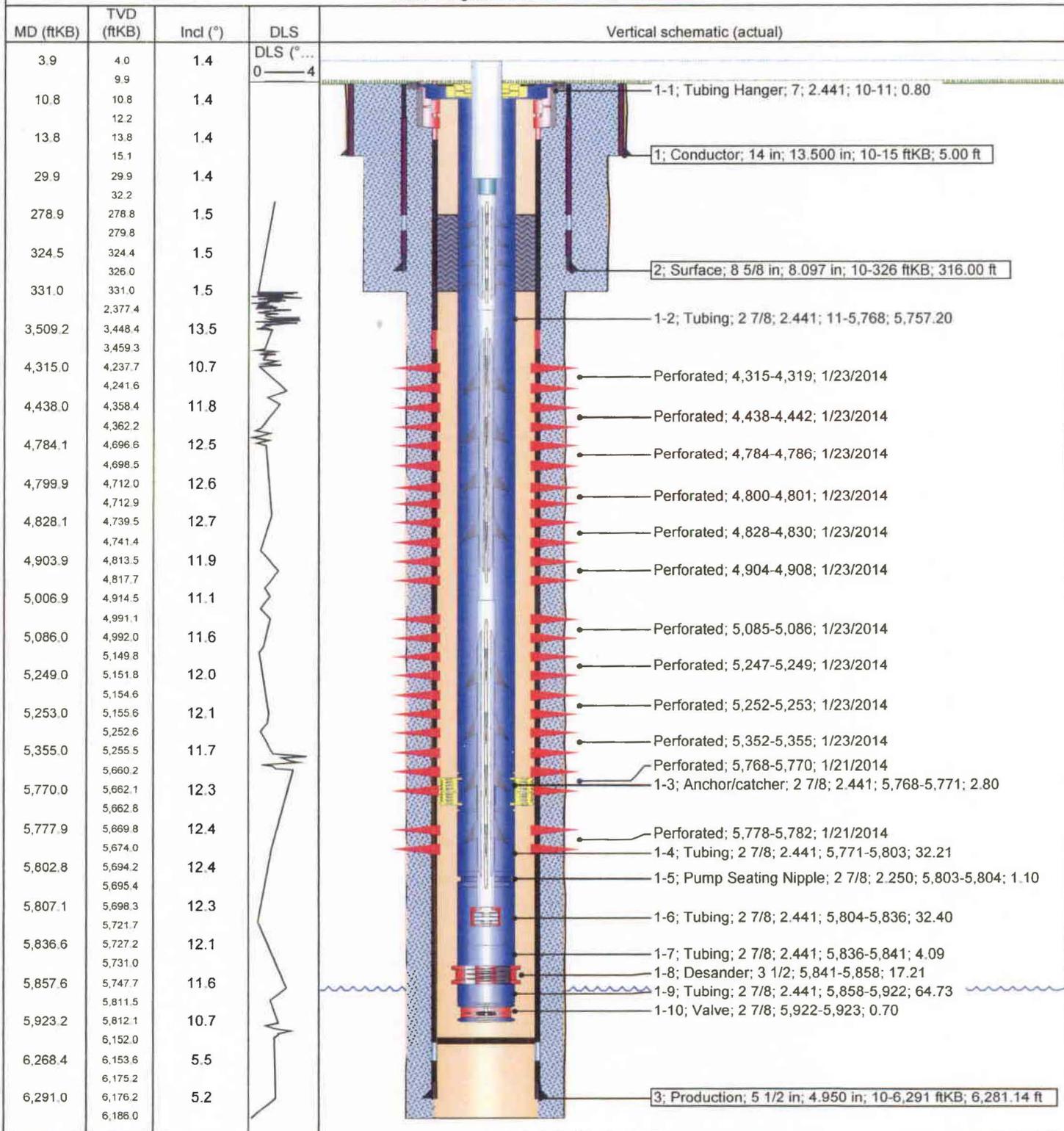


Well Name: GMBU S-9-9-16

Surface Legal Location SESE 738 FSL 759 FEL Sec 9 T9S R16E Mer SLB		API/UWI 43013516920000	Well RC 500334459	Lease UTU40894	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/18/2013	Rig Release Date 1/7/2014	On Production Date	Original KB Elevation (ft) 5,771	Ground Elevation (ft) 5,761	Total Depth All (TVD) (ftKB) Original Hole - 6,186.1	PBTD (All) (ftKB) Original Hole - 6,266.7	

Most Recent Job			
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/21/2014
		Job End Date 1/31/2014	

TD: 6,301.0 Slant - Original Hole, 2/28/2014 6:22:06 AM



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

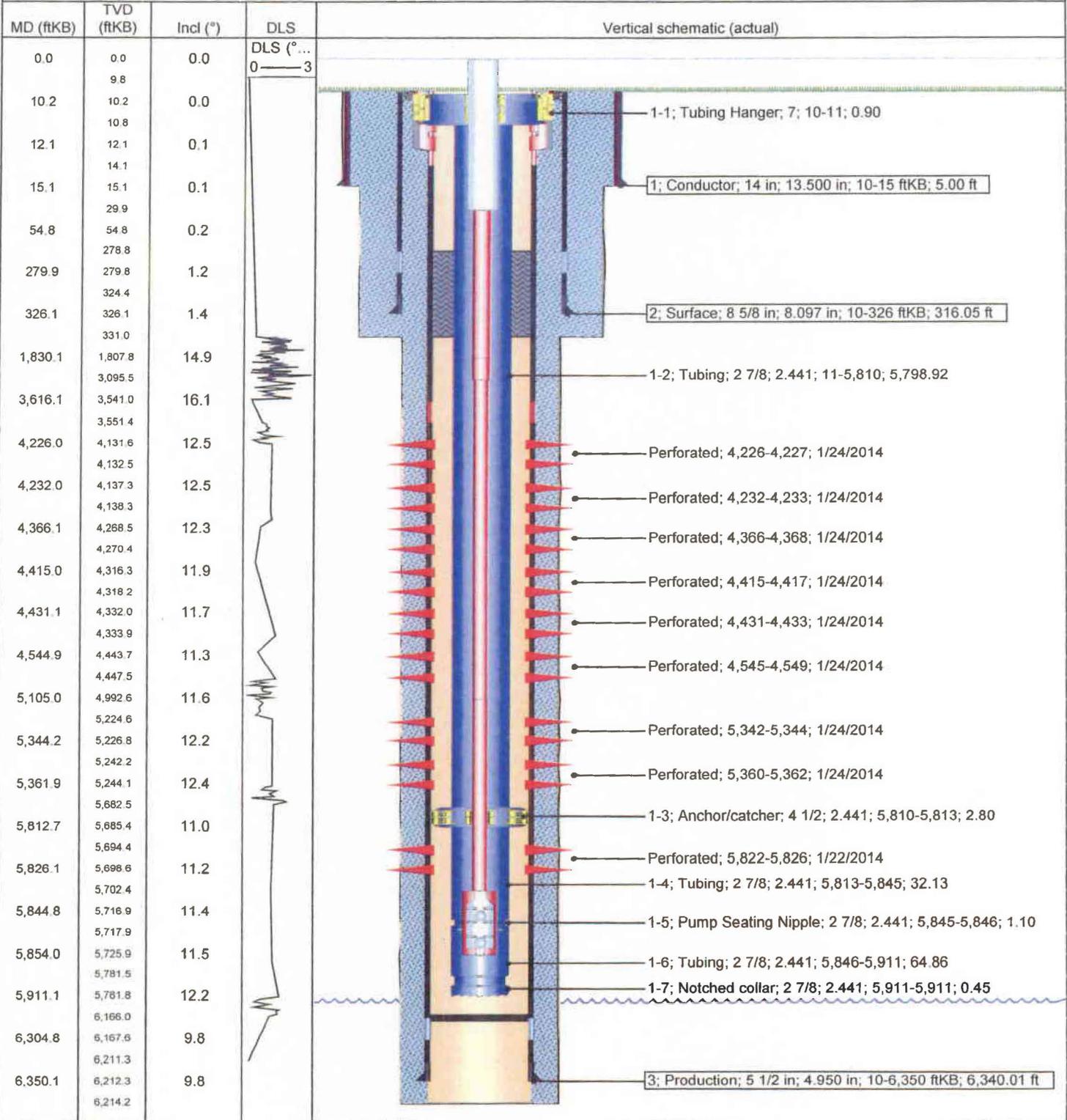
Surface Legal Location NESE 2112 FSL Sec 8 T9S R16E Mer SLB		API/UWI 43013516860000	Well RC 500346814	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/17/2013	Rig Release Date 1/9/2014	On Production Date	Original KB Elevation (ft) 5,906	Ground Elevation (ft) 5,896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

**Most Recent Job**

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

Slant - Original Hole, 3/18/2014 11:36:23 AM



**Well Name: GMBU O-9-9-16**

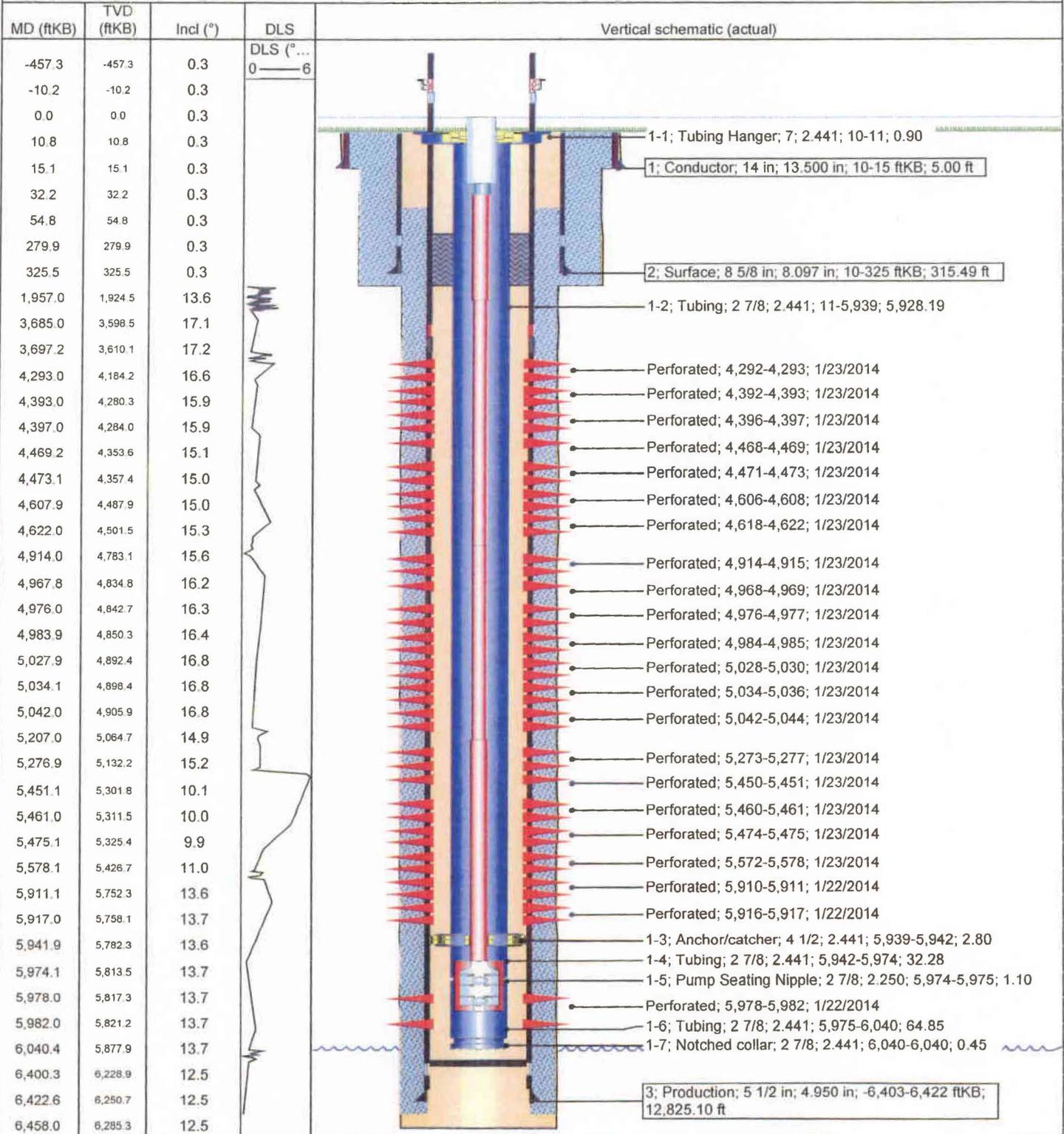
Surface Legal Location NESE 2123 FSL 922 FEL Sec 8 T9S R16E Mer SLB		API/UWI 43013516910000	Well RC 500346812	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/16/2013	Rig Release Date 1/6/2014	On Production Date	Original KB Elevation (ft) 5,906	Ground Elevation (ft) 5,896	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 6,398.5	

**Most Recent Job**

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/22/2014	Job End Date 1/29/2014
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**TD: 6,458.0**

Slant - Original Hole, 3/18/2014 11:34:59 AM



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **SWDIF**  
 Sample Point: **After production filter**  
 Sample Date: **12/9/2011**  
 Sample ID: **WA-204150**

Sales Rep: **Darren Betts**  
 Lab Tech: **Gary Peterson**

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:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO):	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO):	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO):	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO):	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

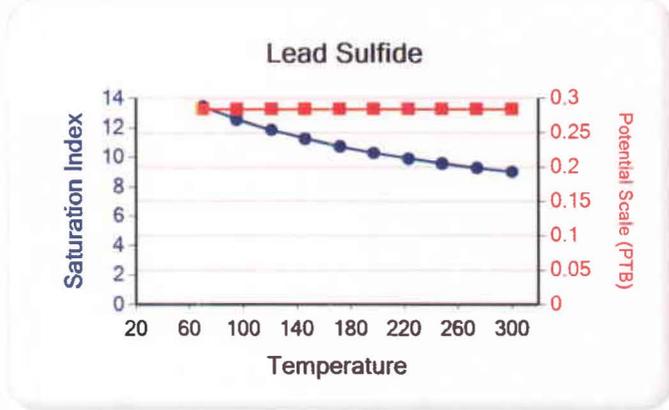
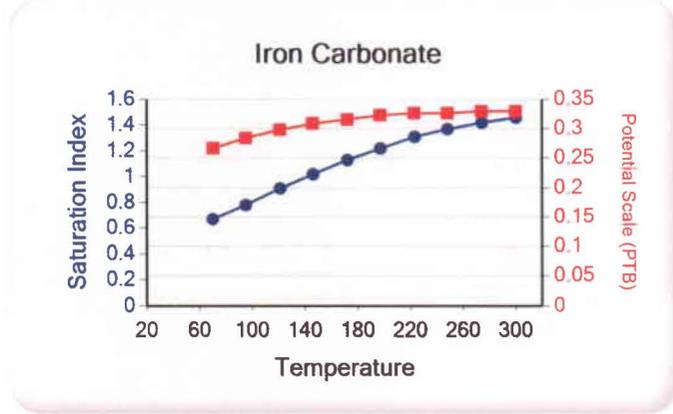
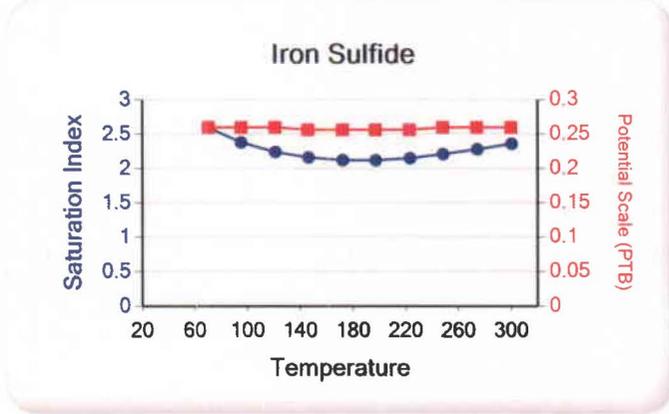
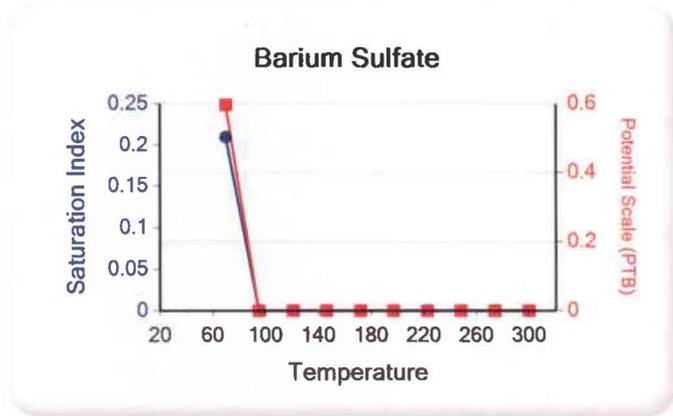
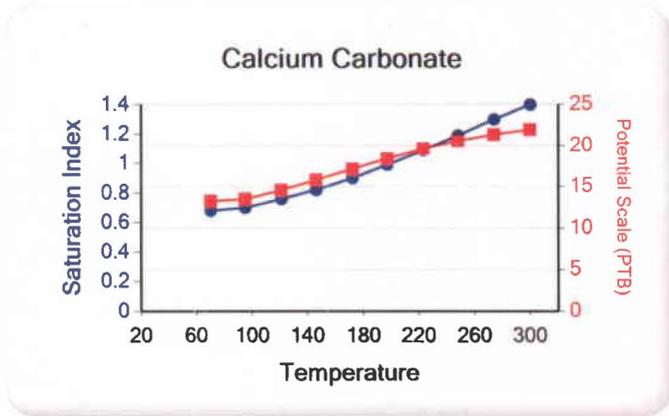
**Notes:**

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	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 Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide



3054

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Michael McBride**

Well Name: **FEDERAL 11A-9-9-16**

Lab Tech: **Gary Peterson**

Sample Point: **Treater**

Sample Date: **5/20/2012**

Sample ID: **WA-214849**

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:	5/29/2012	Sodium (Na):	4166.49	Chloride (Cl):	6000.00
System Temperature 1 (°F):	120.00	Potassium (K):	34.00	Sulfate (SO4):	25.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	4.43	Bicarbonate (HCO3):	854.00
System Temperature 2 (°F):	185.00	Calcium (Ca):	20.70	Carbonate (CO3):	0.00
System Pressure 2 (psig):	60.0000	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.005	Barium (Ba):	7.30	Propionic Acid (C2H5COO)	0.00
pH:	8.10	Iron (Fe):	4.00	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	11116.15	Zinc (Zn):	0.06	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.07	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):	0.00	Manganese (Mn):	0.10	Silica (SiO2):	
H2S in Water (mg/L):	0.00				

**Notes:**

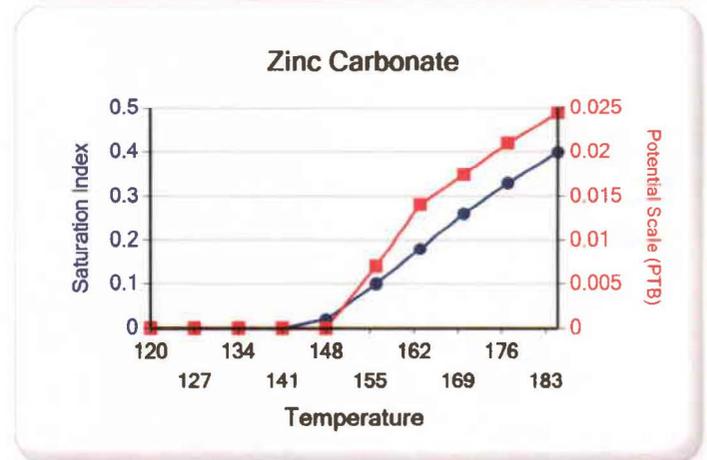
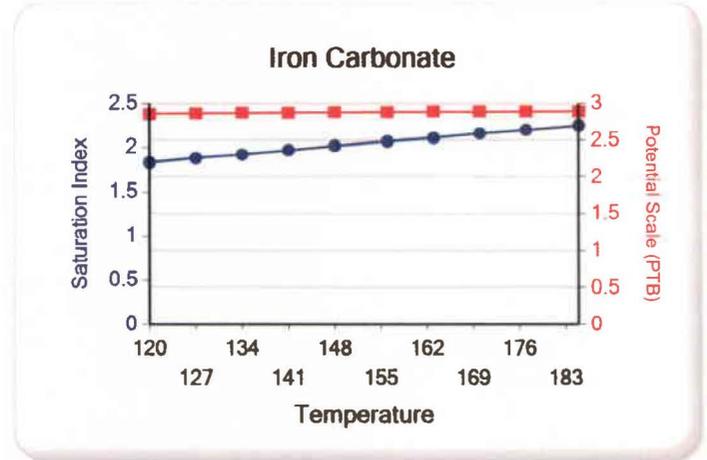
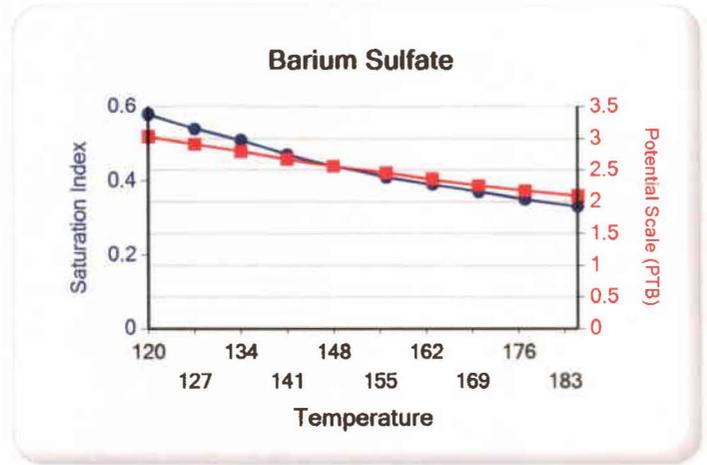
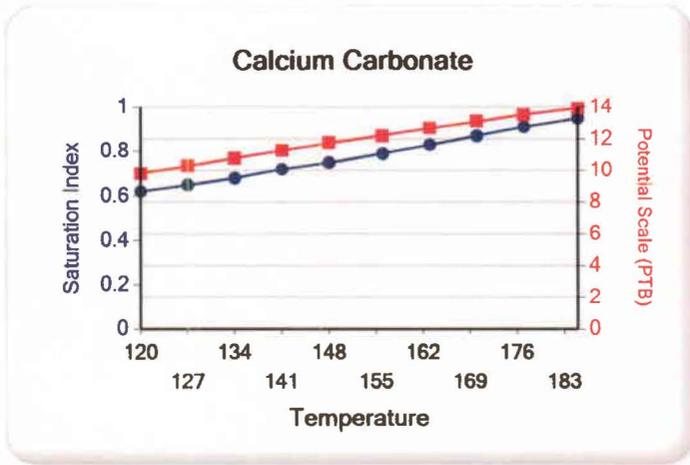
(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
185.00	60.00	0.95	13.93	0.33	2.09	0.00	0.00	2.25	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	0.91	13.52	0.35	2.17	0.00	0.00	2.20	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.87	13.09	0.37	2.26	0.00	0.00	2.16	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	0.83	12.65	0.39	2.36	0.00	0.00	2.11	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	0.79	12.19	0.41	2.46	0.00	0.00	2.07	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.75	11.72	0.44	2.56	0.00	0.00	2.02	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	60.00	0.72	11.24	0.47	2.67	0.00	0.00	1.97	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.00	60.00	0.68	10.76	0.51	2.79	0.00	0.00	1.92	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	60.00	0.65	10.28	0.54	2.91	0.00	0.00	1.88	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.62	9.81	0.58	3.03	0.00	0.00	1.83	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
185.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.02	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	0.26	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.00	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
134.00	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
127.00	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 Barium Sulfate Iron Carbonate Zinc Carbonate

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



**Attachment "G"**

**Federal #11A-9-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5968	5988	5978	2226	0.81	2187
5405	5413	5409	2359	0.87	2324
5306	5318	5312	3184	1.03	3150
5211	5226	5219	1930	0.80	1896
4852	4884	4868	1800	0.80	1768
4261	4272	4267	1752	0.84	1724 ←
				<b>Minimum</b>	<u><u>1724</u></u>

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

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

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

# NEWFIELD



# ATTACHMENT G-1

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## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-9-9-16 Report Date: 22-May-07 Day: 1  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6118' Csg PBTD: 6057' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP5 sds	5968-5988'	4/80

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 21-May-07 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6057' & cement top @ 156'. Perforate stage #1. CP5 sds @ 5968-5988' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. 145 BWTR. SIFN.

### FLUID RECOVERY (BLS)

Starting fluid load to be recovered: 145 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 145 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

### STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Procedure or Equipment detail:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Weatherford BOP \_\_\_\_\_  
 NPC NU crew \_\_\_\_\_  
 NDSI trucking \_\_\_\_\_  
 Perforators LLC \_\_\_\_\_  
 Drilling cost \_\_\_\_\_  
 Zubiate hot oil \_\_\_\_\_  
 Location preparation \_\_\_\_\_  
 NPC wellhead \_\_\_\_\_  
 Benco - anchors \_\_\_\_\_  
 Admin. Overhead \_\_\_\_\_  
 NPC Supervisor \_\_\_\_\_

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

Completion Supervisor: Orson Barney

DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_





DAILY COMPLETION REPORT

WELL NAME: Federal 11A-9-9-16 Report Date: 2-Jun-07 Day: 2b
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6118' Csg PBDT: 6057' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT: 5520'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes data for LODC sds (5405-5413') and CP5 sds (5968-5988').

CHRONOLOGICAL OPERATIONS

Date Work Performed: 1-Jun-07 SITP: SICP: 1688

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite (6K) flow through frac plug & 8' per gun. Set plug @ 5520'. Perforate LODC sds @ 5405-13' w/ 3-1/8" slick guns (23 gram, .43"HE, 90 ) w/ 4 spf for tota of 32 shots. RU BJ & frac stage #2 w/ 15,233#'s of 20/40 sand in 657 bbls of Lightning 17 frac fluid. Open well w. 1688 psi on casing. Perfs broke down @ 2800 psi. Treated @ ave pressure of 2238 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2359. 1076 bbls EWTR. Leave pressure on well. See day2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 802 Starting oil rec to date:
Fluid lost/recovered today: 274 Oil lost/recovered today:
Ending fluid to be recovered: 1076 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
Company: BJ Services C-D trkg frac water
Procedure or Equipment detail: LODC sds down casing NPC fuel gas
840 gals to cross link BJ Services LODC sd
1470 gals of pad Lone Wolf LODCsds
1149 gals w/ 1-4 ppg of 20/40 sand
2589 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4956 gals of slick water

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

Max TP: 2371 Max Rate: 24.8 Total fluid pmpd: 274 bbls
Avg TP: 2238 Avg Rate: 24.8 Total Prop pmpd: 15,233#'s
ISIP: 2359 5 min: 10 min: FG: .87
Completion Supervisor: Ron Shuck

DAILY COST: \$0
TOTAL WELL COST: \$0



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DAILY COMPLETION REPORT

WELL NAME: Federal 11A-9-9-16 Report Date: 2-Jun-07 Day: 2c
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6118' Csg PBDT: 6057' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT: 5360'
Plug 5520'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes entries for LODC sds (5306-5318', 4/48) and other zones (5405-5413', 4/32; 5968-5988', 4/80).

CHRONOLOGICAL OPERATIONS

Date Work Performed: 1-Jun-07 SITP: SICP: 580

Day2c.

RU WLT. RIH w/ solid frac plug & 12' perf gun. Set plug @ 5360'. Perforate LODC sds @ 5306-18' w/ 4 spf for tota of 48 shots. RU BJ & frac stage #3 w/ 25,167#'s of 20/40 sand in 345 bbls of Lightning 17 frac fluid. Open well w/ 58C psi on casing. Perfs broke down @ 3203 psi in 35 minutes. Treated @ ave pressure of 2598 @ ave rate of 24.7 bpr w/ 6.5 ppg of sand. BJ had trouble with volumes had to restart job w/ 31 bbls away. Spot 12 bbls of 15% HCL acid ir flush for next stage. ISIP was 3184. 1421 bbls EWTR. Leave pressure on well. See day2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1076 Starting oil rec to date:
Fluid lost/recovered today: 345 Oil lost/recovered today:
Ending fluid to be recovered: 1421 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
Company: BJ Services C-D trkg frac water
Procedure or Equipment detail: LODC sds down casing NPC fuel gas
672 gals to cross link BJ Services LODC sd
2478 gals of pad Lone Wolf LODCsds
1915 gals w/ 1-4 ppg of 20/40 sand
4091 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4830 gals of slick water

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

Max TP: 2768 Max Rate: 24.8 Total fluid pmpd: 345 bbls
Avg TP: 2598 Avg Rate: 24.7 Total Prop pmpd: 25,167#'s
ISIP: 2359 5 min: 10 min: FG: 1.03
Completion Supervisor: Ron Shuck

DAILY COST: \$0
TOTAL WELL COST: \$0



**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 11A-9-9-16 **Report Date:** 2-Jun-07 **Day:** 2d  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6118' **Csg PBDT:** 6057' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBDT:** 5260'  
**Plug** 5520' 5360'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>LODC sds</u>	<u>5405-5413'</u>	<u>4/32</u>
			<u>CP5 sds</u>	<u>5968-5988'</u>	<u>4/80</u>
<u>A3 sds</u>	<u>5211-5226'</u>	<u>4/60</u>			
<u>LODC sds</u>	<u>5306-5318'</u>	<u>4/48</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 1-Jun-07 **SITP:** \_\_\_\_\_ **SICP:** 457

Day2d.

RU WLT. RIH w/ solid frac plug & 15' perf gun. Set plug @ 5260'. Perforate A3 sds @ 5211-26' w/ 4 spf for total o 60 shots. RU BJ & frac stage #4 w/ 81,060#'s of 20/40 sand in 608 bbls of Lightning 17 frac fluid. Open well w/ 457 psi on casing. Perfs broke down @ 2198 psi. Treated @ ave pressure of 1601 @ ave rate of 24.7 bpm w/ 8 ppg o sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1930. 2029 bbls EWTR. Leave pressure or well. See day2e.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1421 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 608 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2029 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

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

**COSTS**

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services A3 sds  
Lone Wolf A3 sds

5964 gals of pad  
4000 gals w/ 1-5 ppg of 20/40 sand  
8000 gals w/ 5-8 ppg of 20/40 sand  
2322 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4746 gals of slick water

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

**Max TP:** 1886 **Max Rate:** 24.8 **Total fluid pmpd:** 608 bbls  
**Avg TP:** 1601 **Avg Rate:** 24.7 **Total Prop pmpd:** 81,060#'s  
**ISIP:** 1930 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .80

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_ **\$0**



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## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-9-9-16      **Report Date:** 2-Jun-07      **Day:** 2e  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 6118'      **Csg PBDT:** 6057' WL  
**Tbg:**      **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBDT:** 4990'  
**Plug** 5520' 5360' 5260'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5405-5413'	4/32
D3 sds	4852-4860'	4/32	CP5 sds	5968-5988'	4/80
D3 sds	4878-4884'	4/24			
A3 sds	5211-5226'	4/60			
LODC sds	5306-5318'	4/48			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 1-Jun-07      **SITP:** \_\_\_\_\_ **SICP:** 1368

Day2e.

RU WLT. RIH w/ flow through frac plug & 6', 8' perf guns. Set plug @ 4990'. Perforate D3 sds @ 4878-84', 4852-60 w/ 4 spf for total of 56 shots. RU BJ & frac stage #5 w/ 20,066#'s of 20/40 sand in 293 bbls of Lightning 17 frac fluid Open well w/ 1368 psi on casing. Perfs broke down @ 4153 psi. Treated @ ave pressure of 1701 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1800. 2322 bbls EWTR Leave pressure on well. **See day2f.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2029      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 293      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2322      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** D3 sds down casing  
672 gals to cross link  
1974 gals of pad  
1511 gals w/ 1-4 ppg of 20/40 sand  
3487 gals w/ 4-6.5 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4368 gals of slick water

### COSTS

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services D3 sds  
Lone Wolf D3 sds

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

**Max TP:** 1889      **Max Rate:** 24.8      **Total fluid pmpd:** 293 bbls  
**Avg TP:** 1701      **Avg Rate:** 24.7      **Total Prop pmpd:** 20,066#'s  
**ISIP:** 1800      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .80

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_ **\$0**



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**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 11A-9-9-16 **Report Date:** 2-Jun-07 **Day:** 2f  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6118' **Csg PBDT:** 6057' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBDT:** 4390'  
**Plug** 5520' 5360' 5260' 4990'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4261-4272'	4/44	LODC sds	5405-5413'	4/32
D3 sds	4852-4860'	4/32	CP5 sds	5968-5988'	4/80
D3 sds	4878-4884'	4/24			
A3 sds	5211-5226'	4/60			
LODC sds	5306-5318'	4/48			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 1-Jun-07 **SITP:** \_\_\_\_\_ **SICP:** 1280

Day 2f.

RU WLT. RIH w/ flow through frac plug & 11' perf guns. Set plug @ 4390'. Perforate GB4 sds @ 4261-72' w/ 4 sp for total of 44 shots. RU BJ & frac stage #6 w/ 55,827#'s of 20/40 sand in 453 bbls of Lightning 17 frac fluid. Open well w/ 1280 psi on casing. Perfs broke down @ 4125 psi. Treated @ ave pressure of 1508 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1752. 2775 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 5 hours & died w/ 35C bbls rec'd. SIFN.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 2775 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 350 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2425 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning 17 **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** GB4 sds down casing

**COSTS**

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services GB4 sds  
Lone Wolf GB4 sds  
C-D trkg wtr transfer

4578 gals of pad  
3000 gals w/ 1-5 ppg of 20/40 sand  
6000 gals w/ 5-8 ppg of 20/40 sand  
1290 gals w/ 8 ppg of 20/40 sand  
Flush w/ 4158 gals of slick water

**Max TP:** 1722 **Max Rate:** 24.8 **Total fluid pmpd:** 453 bbls  
**Avg TP:** 1508 **Avg Rate:** 24.7 **Total Prop pmpd:** 55,827#'s  
**ISIP:** 1752 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .85  
**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_ **\$0**



8 of 9

DAILY COMPLETION REPORT

WELL NAME: Federal 11A-9-9-16 Report Date: June 7, 2007 Day: 03
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6118' Csg PBTD: 6097'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 6004' BP/Sand PBTD: 6097'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, D3 sds, A3 sds, and LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: June 6, 2007 SITP: SICP: 115

MIRU Western #4. Bleed pressure off well. Rec est 15 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Scaheffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4327'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4327', plug @ 4390' in 23 minutes (gained 60 BTF when through plug); sd @ 4939', plug @ 4990' in 25 minutes; sd @ 5186', plug @ 5260' in 20 minutes; sd @ 5325', plug @ 5360' in 25 minutes; no sd, plug @ 5520' in 20 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5998'. PU swivel. Drill plug remains & sd to PBTD @ 6097'. Circ hole clean. Gained total on 110 BTF during cleanout. RD swivel. Pull EOT to 6004'. SIFN W/ est 2290 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2425 Starting oil rec to date:
Fluid lost/recovered today: 135 Oil lost/recovered today:
Ending fluid to be recovered: 2290 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: Western #4 rig
Company: Weatherford BOP
Procedure or Equipment detail: NDSI trucking, Liddell Trucking, NPC trucking, NDSI wtr & truck, Unichem chemicals, B & L - new J55 tbg, NPC sfc equipment, Boren labor & welding, Mt. West sanitation, Nabors swivel, NPC supervision

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

Completion Supervisor: Gary Dietz

DAILY COST: \$0
TOTAL WELL COST: \$0



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-9-9-16      **Report Date:** June 8, 2007      **Day:** 04  
**Operation:** Completion      **Rig:** Western #4

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 6118'      **Csg PBTD:** 6097'  
**Tbg:** **Size:** 2 7/8"      **Wt:** 6.5#      **Grd:** J-55      **Anchor @:** 5914'      **BP/Sand PBTD:** 6097'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	<u>4261-4272'</u>	<u>4/44</u>	LODC sds	<u>5405-5413'</u>	<u>4/32</u>
D3 sds	<u>4852-4860'</u>	<u>4/32</u>	CP5 sds	<u>5968-5988'</u>	<u>4/80</u>
D3 sds	<u>4878-4884'</u>	<u>4/24</u>			
A3 sds	<u>5211-5226'</u>	<u>4/60</u>			
LODC sds	<u>5306-5318'</u>	<u>4/48</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** June 7, 2007      **SITP:** 160      **SICP:** 510

Bleed well off. Flowed 20 BTF W/ sm amt oil. RU & swab well for cleanup. IFL @ sfc. Made 3 swb runs & well began flowing steady. Flowed for 2 hrs & dying off. Rec 115 BTF (inc swb) W/ fair gas & no sd. FOC @ 30%. RU & pump 30 BW dn tbg. TIH W/ tbg. Tag sd @ 6091' (6' new fill) C/O sd to PBTD @ 6097'. Circ hole clean. Lost no wtr, rec 50 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 192 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5914' W/ SN @ 5948' & EOT @ 6013'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15.5' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 122-3/4" plain rods, 98-3/4" scraped rods, 1-8', 1-6' & 1-4' X 3/4" pony rods and 1 1/2" X 22 polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 2155 BWTR.

**Place well on production @ 7:00 PM 6/7/2007 W/ 86" SL @ 5 SPM.**  
**FINAL REPORT!!**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2290      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 135      **Oil lost/recovered today:** 50  
**Ending fluid to be recovered:** 2155      **Cum oil recovered:** 50  
**IFL:** sfc      **FFL:** sfc      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** 30%

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

KB 12.00'	1 1/2" X 22' polished rod	Western #4 rig
192 2 7/8 J-55 tbg (5901.99')	1-8', 1-6' & 1-4' X 3/4" ponies	Weatherford BOP
TA (2.80' @ 5913.99' KB)	98-3/4" scraped rods	Monks pit reclaim
1 2 7/8 J-55 tbg (31.43')	122-3/4" plain rods	NPC trk & loc cleanup
SN (1.10' @ 5948.22' KB)	10-3/4" scraped rods	NDSI wtr disposal
2 2 7/8 J-55 tbg (62.97')	6-1 1/2" weight rods	CDI TA
2 7/8 NC (.45')	CDI 2 1/2" X 1 1/2" X 15.5'	CDI SN
EOT 6012.74' W/ 12' KB	RHAC pump W/ SM plunger	CDI rod pump
		Tiger tks
		NPC frac tks(5X5 dys)
		NPC swb tk (2 days)
		NPC frac head
		"A" grade rod string
		Zubiate HO trk
		Weatherford "chomp" bit
		NPC supervision

**DAILY COST:** \_\_\_\_\_ **\$0**

**TOTAL WELL COST:** \_\_\_\_\_ **\$0**

**Completion Supervisor:** Gary Dietz

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4211'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 176' balance plug using 20 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 372'

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

## Federal 11A-9-9-16

Spud Date: 4-23-07  
 Put on Production: 6-1-07  
 GL: 5842' KB: 5854'

Initial Production: BOPD,  
 MCFD, BWPD

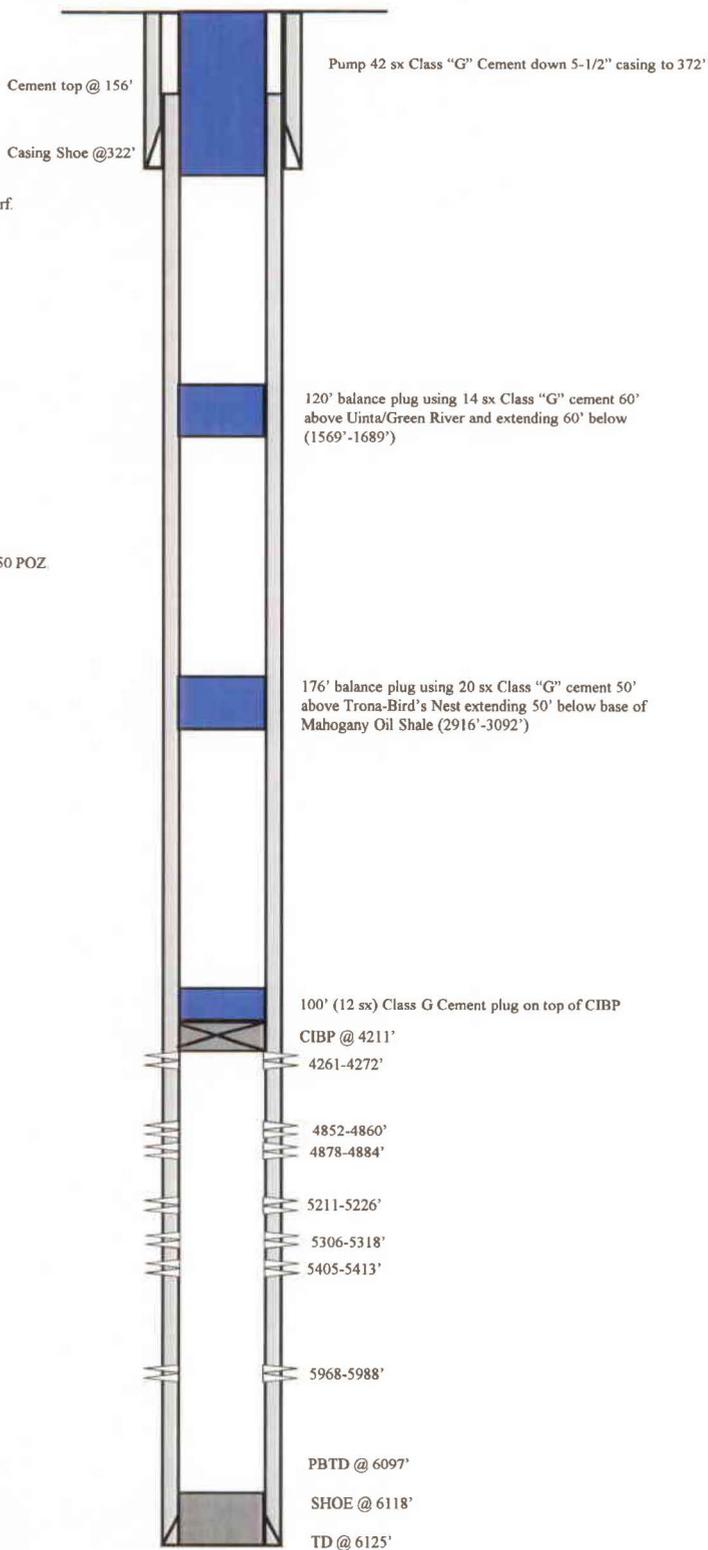
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.65')  
 DEPTH LANDED: 321.5' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts (6101.12')  
 DEPTH LANDED: 6117.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 156'




<p><b>Federal 11A-9-9-16</b></p> <p>1984' FSL &amp; 1980' FWL</p> <p>NE/SW Section 9-T9S-R16E</p> <p>Duchesne Co, Utah</p> <p>API # 43-013-33050; Lease # UTU-79831</p>

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-79831
<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.	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 11A-9-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330500000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 09 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/29/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 01/27/2014. On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1929 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test.

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

Date: February 12, 2014

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/10/2014	

# Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 11/28/14 Time 9:26  am  pm

Test Conducted by: Riley Boyl

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

Well: Federal 11A-9-9-16

Field: Monument B-HL

Well Location: Federal 11A-9-9-16  
NE/SE sec 4, T9S, R16E Duchesne county Utah

API No: 4301333050

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1931</u>	psig
5	<u>1937</u>	psig
10	<u>1931</u>	psig
15	<u>1931</u>	psig
20	<u>1930</u>	psig
25	<u>1929</u>	psig
30 min	<u>1927</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 200 psig

Result:  Pass  Fail

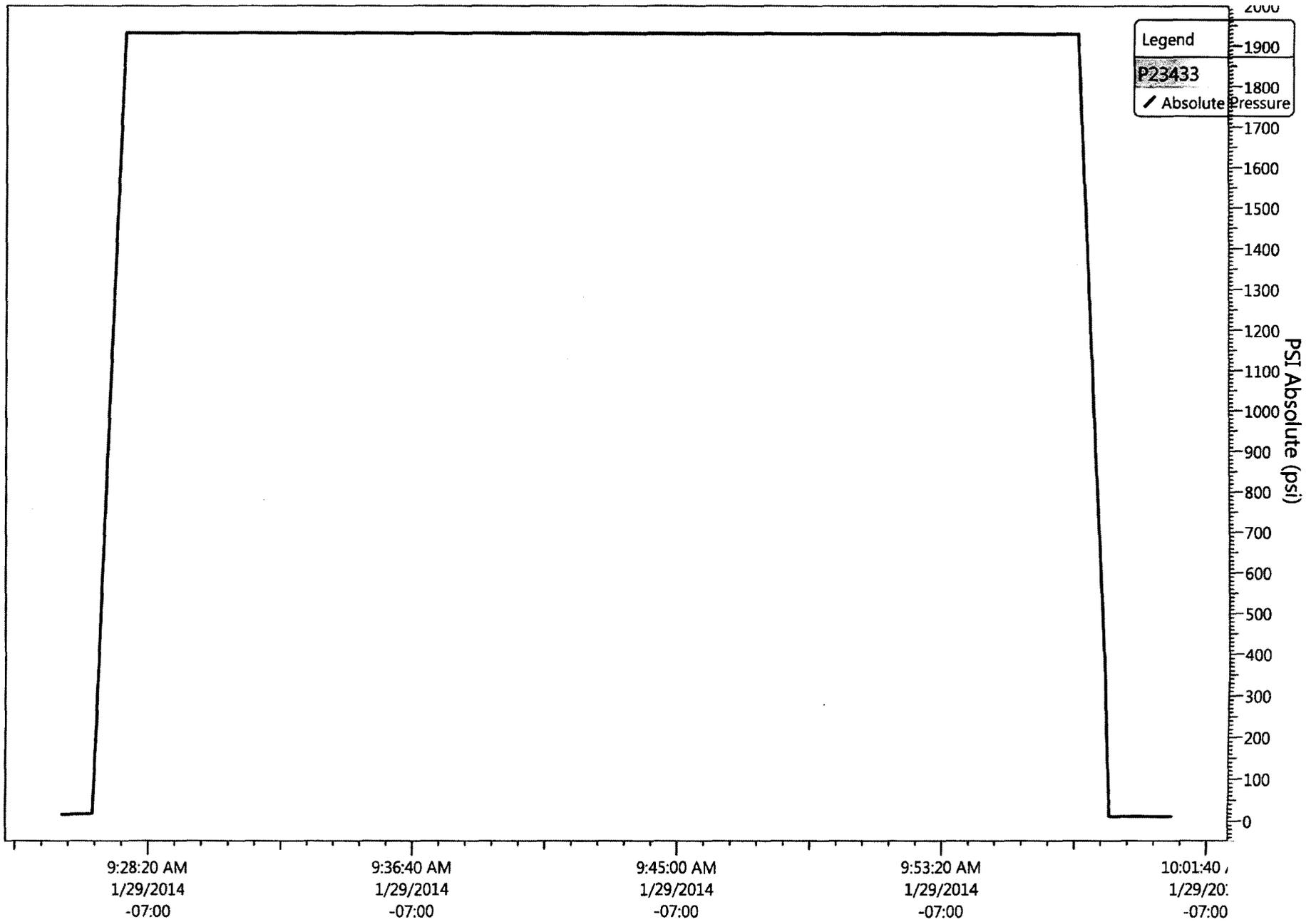
Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Boyl

11a-9-9-16 mit (1-29-14)

1/29/2014 9:25:06 AM

Sundry Number : 47729 API Well Number : 43013330500000



## Daily Activity Report

Format For Sundry  
**FEDERAL 11A-9-9-16**  
**11/1/2013 To 3/28/2014**

**1/27/2014 Day: 2**

**Conversion**

Nabors #1108 on 1/27/2014 - POOH W/ TBG. TIH PKR ASSY AND 137 JTS TBG - Travel time 07:00 07:30 0 hrs 30 mins CHECK TBG AND CSG PRESSURES, TBG VACUUM, CSG 210 PSI. BD WELL AND OPEN BOP. 07:30 13:15 5 hrs 45 mins POOH WITH 137 JNTS TBG BREAKING EVERY CONNECTION, CLEANING THREADS AND INSPECTING FOR DAMAGE OR GAULDING. APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. LD 58 JNTS EXCESS TBG FROM BOTTOM OF STRING. 13:15 15:15 2 hrs 00 mins PU/MU PACKER ASSY, TIH WITH PACKER ASSY AND 137 JNTS TBG. 15:15 15:30 0 hrs 15 mins PUMP 10 BBLS PAD AND DROP S.V. LOAD TBG WITH 25 BBLS WATER @ 80 F. AND PRESSURE TBG UP TO 3000 PSI. 15:30 17:00 1 hrs 30 mins PT TBG, HAD TO BUMP UP AND RETEST NUMEROUS TIMES, NEVER GOT A GOOD TEST. BUMP UP FOR THE WEEKEND, SWIFN, CLEAN LOCATION, SDFN. 17:00 18:30 1 hrs 30 mins F.02 Travel time - TRAVEL TIME - 09:30 10:00 0 hrs 30 mins UNHANG RODS AND HORSES HEAD, DISCONNECT ROD ROTATOR AND CHEM LINES. 10:00 10:30 0 hrs 30 mins UNSEAT PUMP AND LD POLISH ROD, RU HOT OILER TO TBG. 10:30 11:45 1 hrs 15 mins PUMP 40 BBLS TBG FLUSH @ 250 F. 11:45 12:00 0 hrs 15 mins SOFT SEAT PUMP, RU HOT OILER TO PT TBG. 12:00 12:30 0 hrs 30 mins LOAD TBG WITH 20 BBLS AND PT TBG TO 3000 PSI, GOOD TEST. 12:30 15:30 3 hrs 00 mins POOH WITH RODS LAYING DOWN ON TRAILER. 15:30 16:30 1 hrs 00 mins ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR. 16:30 16:45 0 hrs 15 mins POOH WITH 8 JNTS TBG AND GOT DIRTY. 16:45 17:15 0 hrs 30 mins PUMP 30 BBLS TBG FLUSH @ 250 F. 17:15 17:30 0 hrs 15 mins POOH WITH ANOTHER 16 JNTS TBG BREAKING EVERY CONNECTION AND CLEANING THREADS, INSPECTING FOR DAMAGE AND GAULDING, APPLY LIQUID O RING AND RETORQUE TO SPEC. 17:30 18:00 0 hrs 30 mins SWIFN, CLEAN LOCATION, SDFN. 18:00 19:30 1 hrs 30 mins Travel time - SPOT RIG, RU RIG. PUMP 50 BBLS WATER DOWN CSG @ 250 F - SPOT RIG, RU RIG. PUMP 50 BBLS WATER DOWN CSG @ 250 F - ROAD RIG FROM 8 MILE FLAT TO THE 11A-9-9-16. - ROAD RIG FROM 8 MILE FLAT TO THE 11A-9-9-16. - WAIT FOR IT TO GET LIGHT ENOUGH TO LEGALLY MOVE THE RIG, DO PRE TRIP INSPECTIONS. - WAIT FOR IT TO GET LIGHT ENOUGH TO LEGALLY MOVE THE RIG, DO PRE TRIP INSPECTIONS. - TRAVEL TIME - Travel time 07:00 07:30 0 hrs 30 mins CHECK TBG AND CSG PRESSURES, TBG VACUUM, CSG 210 PSI. BD WELL AND OPEN BOP. 07:30 13:15 5 hrs 45 mins POOH WITH 137 JNTS TBG BREAKING EVERY CONNECTION, CLEANING THREADS AND INSPECTING FOR DAMAGE OR GAULDING. APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. LD 58 JNTS EXCESS TBG FROM BOTTOM OF STRING. 13:15 15:15 2 hrs 00 mins PU/MU PACKER ASSY, TIH WITH PACKER ASSY AND 137 JNTS TBG. 15:15 15:30 0 hrs 15 mins PUMP 10 BBLS PAD AND DROP S.V. LOAD TBG WITH 25 BBLS WATER @ 80 F. AND PRESSURE TBG UP TO 3000 PSI. 15:30 17:00 1 hrs 30 mins PT TBG, HAD TO BUMP UP AND RETEST NUMEROUS TIMES, NEVER GOT A GOOD TEST. BUMP UP FOR THE WEEKEND, SWIFN, CLEAN LOCATION, SDFN. 17:00 18:30 1 hrs 30 mins F.02 Travel time - TRAVEL TIME - TRAVEL TIME - WAIT FOR IT TO GET LIGHT ENOUGH TO LEGALLY MOVE THE RIG, DO PRE TRIP INSPECTIONS. - WAIT FOR IT TO GET LIGHT ENOUGH TO LEGALLY MOVE THE RIG, DO PRE TRIP INSPECTIONS. -

ROAD RIG FROM 8 MILE FLAT TO THE 11A-9-9-16. - ROAD RIG FROM 8 MILE FLAT TO THE 11A-9-9-16. - SPOT RIG, RU RIG. PUMP 50 BBLS WATER DOWN CSG @ 250 F - SPOT RIG, RU RIG. PUMP 50 BBLS WATER DOWN CSG @ 250 F - 09:30 10:00 0 hrs 30 mins UNHANG RODS AND HORSES HEAD, DISCONNECT ROD ROTATOR AND CHEM LINES. 10:00 10:30 0 hrs 30 mins UNSEAT PUMP AND LD POLISH ROD, RU HOT OILER TO TBG. 10:30 11:45 1 hrs 15 mins PUMP 40 BBLS TBG FLUSH @ 250 F. 11:45 12:00 0 hrs 15 mins SOFT SEAT PUMP, RU HOT OILER TO PT TBG. 12:00 12:30 0 hrs 30 mins LOAD TBG WITH 20 BBLS AND PT TBG TO 3000 PSI, GOOD TEST. 12:30 15:30 3 hrs 00 mins POOH WITH RODS LAYING DOWN ON TRAILER. 15:30 16:30 1 hrs 00 mins ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR. 16:30 16:45 0 hrs 15 mins POOH WITH 8 JNTS TBG AND GOT DIRTY. 16:45 17:15 0 hrs 30 mins PUMP 30 BBLS TBG FLUSH @ 250 F. 17:15 17:30 0 hrs 15 mins POOH WITH ANOTHER 16 JNTS TBG BREAKING EVERY CONNECTION AND CLEANING THREADS, INSPECTING FOR DAMAGE AND GAULDING, APPLY LIQUID O RING AND RETORQUE TO SPEC. 17:30 18:00 0 hrs 30 mins SWIFN, CLEAN LOCATION, SDFN. 18:00 19:30 1 hrs 30 mins Travel time - 09:30 10:00 0 hrs 30 mins UNHANG RODS AND HORSES HEAD, DISCONNECT ROD ROTATOR AND CHEM LINES. 10:00 10:30 0 hrs 30 mins UNSEAT PUMP AND LD POLISH ROD, RU HOT OILER TO TBG. 10:30 11:45 1 hrs 15 mins PUMP 40 BBLS TBG FLUSH @ 250 F. 11:45 12:00 0 hrs 15 mins SOFT SEAT PUMP, RU HOT OILER TO PT TBG. 12:00 12:30 0 hrs 30 mins LOAD TBG WITH 20 BBLS AND PT TBG TO 3000 PSI, GOOD TEST. 12:30 15:30 3 hrs 00 mins POOH WITH RODS LAYING DOWN ON TRAILER. 15:30 16:30 1 hrs 00 mins ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR. 16:30 16:45 0 hrs 15 mins POOH WITH 8 JNTS TBG AND GOT DIRTY. 16:45 17:15 0 hrs 30 mins PUMP 30 BBLS TBG FLUSH @ 250 F. 17:15 17:30 0 hrs 15 mins POOH WITH ANOTHER 16 JNTS TBG BREAKING EVERY CONNECTION AND CLEANING THREADS, INSPECTING FOR DAMAGE AND GAULDING, APPLY LIQUID O RING AND RETORQUE TO SPEC. 17:30 18:00 0 hrs 30 mins SWIFN, CLEAN LOCATION, SDFN. 18:00 19:30 1 hrs 30 mins Travel time - Travel time 07:00 07:30 0 hrs 30 mins CHECK TBG AND CSG PRESSURES, TBG VACUUM, CSG 210 PSI. BD WELL AND OPEN BOP. 07:30 13:15 5 hrs 45 mins POOH WITH 137 JNTS TBG BREAKING EVERY CONNECTION, CLEANING THREADS AND INSPECTING FOR DAMAGE OR GAULDING. APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. LD 58 JNTS EXCESS TBG FROM BOTTOM OF STRING. 13:15 15:15 2 hrs 00 mins PU/MU PACKER ASSY, TIH WITH PACKER ASSY AND 137 JNTS TBG. 15:15 15:30 0 hrs 15 mins PUMP 10 BBLS PAD AND DROP S.V. LOAD TBG WITH 25 BBLS WATER @ 80 F. AND PRESSURE TBG UP TO 3000 PSI. 15:30 17:00 1 hrs 30 mins PT TBG, HAD TO BUMP UP AND RETEST NUMEROUS TIMES, NEVER GOT A GOOD TEST. BUMP UP FOR THE WEEKEND, SWIFN, CLEAN LOCATION, SDFN. 17:00 18:30 1 hrs 30 mins F.02 Travel time - 09:30 10:00 0 hrs 30 mins UNHANG RODS AND HORSES HEAD, DISCONNECT ROD ROTATOR AND CHEM LINES. 10:00 10:30 0 hrs 30 mins UNSEAT PUMP AND LD POLISH ROD, RU HOT OILER TO TBG. 10:30 11:45 1 hrs 15 mins PUMP 40 BBLS TBG FLUSH @ 250 F. 11:45 12:00 0 hrs 15 mins SOFT SEAT PUMP, RU HOT OILER TO PT TBG. 12:00 12:30 0 hrs 30 mins LOAD TBG WITH 20 BBLS AND PT TBG TO 3000 PSI, GOOD TEST. 12:30 15:30 3 hrs 00 mins POOH WITH RODS LAYING DOWN ON TRAILER. 15:30 16:30 1 hrs 00 mins ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR. 16:30 16:45 0 hrs 15 mins POOH WITH 8 JNTS TBG AND GOT DIRTY. 16:45 17:15 0 hrs 30 mins PUMP 30 BBLS TBG FLUSH @ 250 F. 17:15 17:30 0 hrs 15 mins POOH WITH ANOTHER 16 JNTS TBG BREAKING EVERY CONNECTION AND CLEANING THREADS, INSPECTING FOR DAMAGE AND GAULDING, APPLY LIQUID O RING AND RETORQUE TO SPEC. 17:30 18:00 0 hrs 30 mins SWIFN, CLEAN LOCATION, SDFN. 18:00 19:30 1 hrs 30 mins Travel time

**Daily Cost:** \$0

**Cumulative Cost:** \$26,147

**1/28/2014 Day: 3**

**Conversion**

Nabors #1108 on 1/28/2014 - ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH.LOAD CSG WITH 30 BBLS AND PRESSURE UP TO 1400 PSI, HOLD CSG TEST, FAILED, BUMP UP AND RETEST, GOOD TEST. - TRAVEL TIME - WENT LOOKING FOR NEXT LOCATION, FOUND TO HAVE OPEN TRENCHES THROUGH THE MIDDLE OF THE NEXT 3 LOCATIONS, 4TH

LOCATION WAS GOOD. SDFN. - RD RIG, RACK OUT WINCH TRUCK AND TOOLS, CLEAN LOCATION. - LOAD CSG WITH 30 BBLS AND PRESSURE UP TO 1400 PSI, HOLD CSG TEST, FAILED, BUMP UP AND RETEST, GOOD TEST. - ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH. - PUMP 60 BBLS PACKER FLUID DOWN CSG. - RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH. - RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND RD TOOLS. - CHECK TBG PRESSURE, 3000 PSI, HOLD 30 MIN TEST, BAD TEST, BUMP UP AND RETEST. FINALLY GOT A GOOD TBG TEST - Travel time - TRAVEL TIME - WENT LOOKING FOR NEXT LOCATION, FOUND TO HAVE OPEN TRENCHES THROUGH THE MIDDLE OF THE NEXT 3 LOCATIONS, 4TH LOCATION WAS GOOD. SDFN. - Travel time - CHECK TBG PRESSURE, 3000 PSI, HOLD 30 MIN TEST, BAD TEST, BUMP UP AND RETEST. FINALLY GOT A GOOD TBG TEST - RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND RD TOOLS. - RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH. - PUMP 60 BBLS PACKER FLUID DOWN CSG. - ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH. - LOAD CSG WITH 30 BBLS AND PRESSURE UP TO 1400 PSI, HOLD CSG TEST, FAILED, BUMP UP AND RETEST, GOOD TEST. - RD RIG, RACK OUT WINCH TRUCK AND TOOLS, CLEAN LOCATION. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$35,045

**2/4/2014 Day: 4**

**Conversion**

Rigless on 2/4/2014 - Conduct initial MIT - On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1929 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 01/28/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/29/2014 the casing was pressured up to 1929 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$51,379

**Pertinent Files: Go to File List**

# Federal 11A-9-9-16

Spud Date: 4-23-07  
 Put on Production: 6-1-07  
 GL: 5842' KB: 5854'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309 65')  
 DEPTH LANDED: 321.5' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts (6101 12')  
 DEPTH LANDED: 6117.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT: 156'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 163 jts (4206')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4218' KB  
 ON/OFF TOOL AT: 4219 1'  
 ARROW #1 PACKER CE AT: 4224 1'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4227 8'  
 TBG PUP 2-3/8 J-55 AT: 4228 3'  
 X/N NIPPLE AT: 4232.4'  
 TOTAL STRING LENGTH: EOT @ 4234.07'

### FRAC JOB

06-01-07 5968-5988' **Frac CP5 sands as follows:**  
 86018# 20/40 sand in 657 bbls Lightning 17 frac fluid Treated @ avg press of 1731 psi w/avg rate of 24.8 BPM. ISIP 2226 psi Calc flush: 5966 gal Actual flush: 5460 gal

06-01-07 5405-5413' **Frac LODC sands as follows:**  
 15233# 20/40 sand in 657 bbls Lightning 17 frac fluid Treated @ avg press of 2238 psi w/avg rate of 24.8 BPM. ISIP 2359 psi Calc flush: 5403 gal Actual flush: 4956 gal

06-01-07 5306-5318' **Frac LODC sands as follows:**  
 25167# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 2598 psi w/avg rate of 24.7 BPM. ISIP 3184 psi Calc flush: 5304 gal Actual flush: 4830 gal

06-01-07 5211-5226' **Frac A3 sands as follows:**  
 81060# 20/40 sand in 608 bbls Lightning 17 frac fluid Treated @ avg press of 1601 w/ avg rate of 24.7 BPM. ISIP 1930 psi Calc flush: 5209 gal Actual flush: 4746 gal

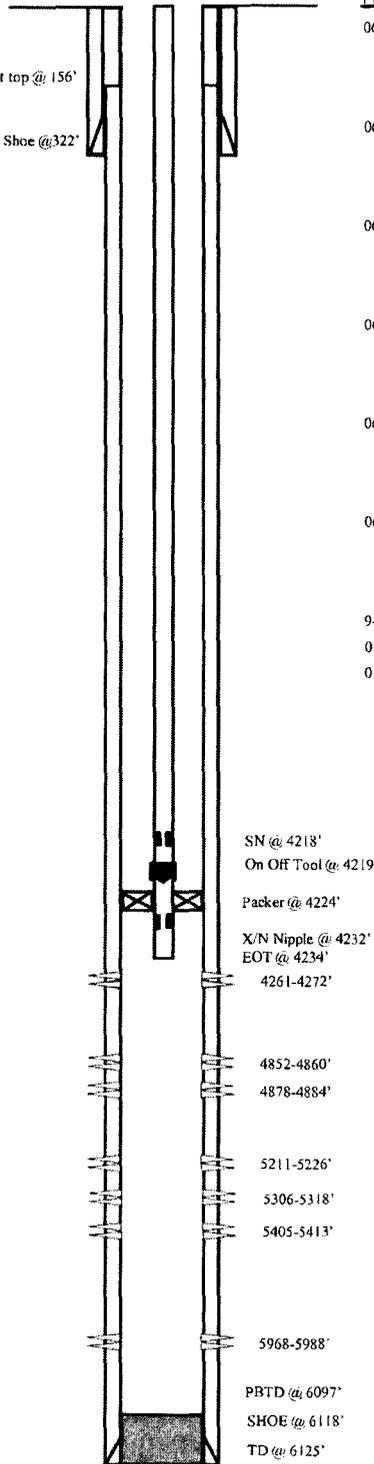
06-01-07 4852-4884' **Frac D3 sands as follows:**  
 20066# 20/40 sand in 293 bbls Lightning 17 frac fluid Treated @ avg press of 1701 w/ avg rate of 24.8 BPM. ISIP 1800 psi Calc flush: 4948 gal Actual flush: 4368 gal

06-01-07 4261-4272' **Frac GB4 sands as follows:**  
 55827# 20/40 sand in 453 bbls Lightning 17 frac fluid Treated @ avg press of 1508 w/ avg rate of 24.8 BPM. ISIP 1752 psi Calc flush: 4424 gal. Actual flush: 4326 gal

9-30-08 **Pump Change.** Updated rod & tubing details

01/27/14 **Convert to Injection Well**

01/29/14 **Conversion MIT Finalized** - update tbg detail



### PERFORATION RECORD

Date	Depth Range	Tool	Holes
05-21-07	5968-5988'	4 JSPF	80 holes
06-01-07	5405-5413'	4 JSPF	32 holes
06-01-07	5306-5318'	4 JSPF	48 holes
06-01-07	5211-5226'	4 JSPF	60 holes
06-01-07	4878-4884'	4 JSPF	24 holes
06-01-07	4852-4860'	4 JSPF	32 holes
06-01-07	4261-4272'	4 JSPF	44 holes

**NEWFIELD**

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**Federal 11A-9-9-16**  
 1984' FSL & 1980' FWL  
 NE/SW Section 9-T9S-R16E  
 Duchesne Co. Utah  
 API # 43-013-33050; Lease # UTU-79831