

**NEWFIELD**



October 26, 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

<b>Federal 1-28-9-16</b>	<b>Federal 9-28-9-16</b>
<b>Federal 2-28-9-16</b>	<b>Federal 10-28-9-16</b>
<b>Federal 3-28-9-16</b>	<b>Federal 11-28-9-16</b>
<b>Federal 4-28-9-16</b>	<b>Federal 12-28-9-16</b>
<b>Federal 5-28-9-16</b>	<b>Federal 13-28-9-16</b>
<b>Federal 6-28-9-16</b>	<b>Federal 14-28-9-16</b>
<b>Federal 7-28-9-16</b>	<b>Federal 15-28-9-16</b>
<b>Federal 8-28-9-16</b>	<b>Federal 16-28-9-16</b>

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 1-28-9-16, 5-28-9-16, 9-28-9-16, and 13-28-9-16 locations are Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**OCT 27 2006**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 3-28-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 651' FNL 1810' FWL 574550X 40.007327 At proposed prod. zone 4428726Y -110.126574		9. API Well No. 43813-33408
10. Field and Pool, or Exploratory Monument Butte		11. Sec., T., R., M., or Bk. and Survey or Area NE/NW Sec. 28, T9S R16E
14. Distance in miles and direction from nearest town or post office* Approximatley 23.6 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. 1810' if/else, NA if/unit	16. No. of Acres in lease 2080.00	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. 1333'	19. Proposed Depth 5915'	20. BIM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6097' GL	22. Approximate date work will start* 1st Quarter 2007	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.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/12/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 10-30-06
Title ENVIRONMENTAL MANAGER		

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.

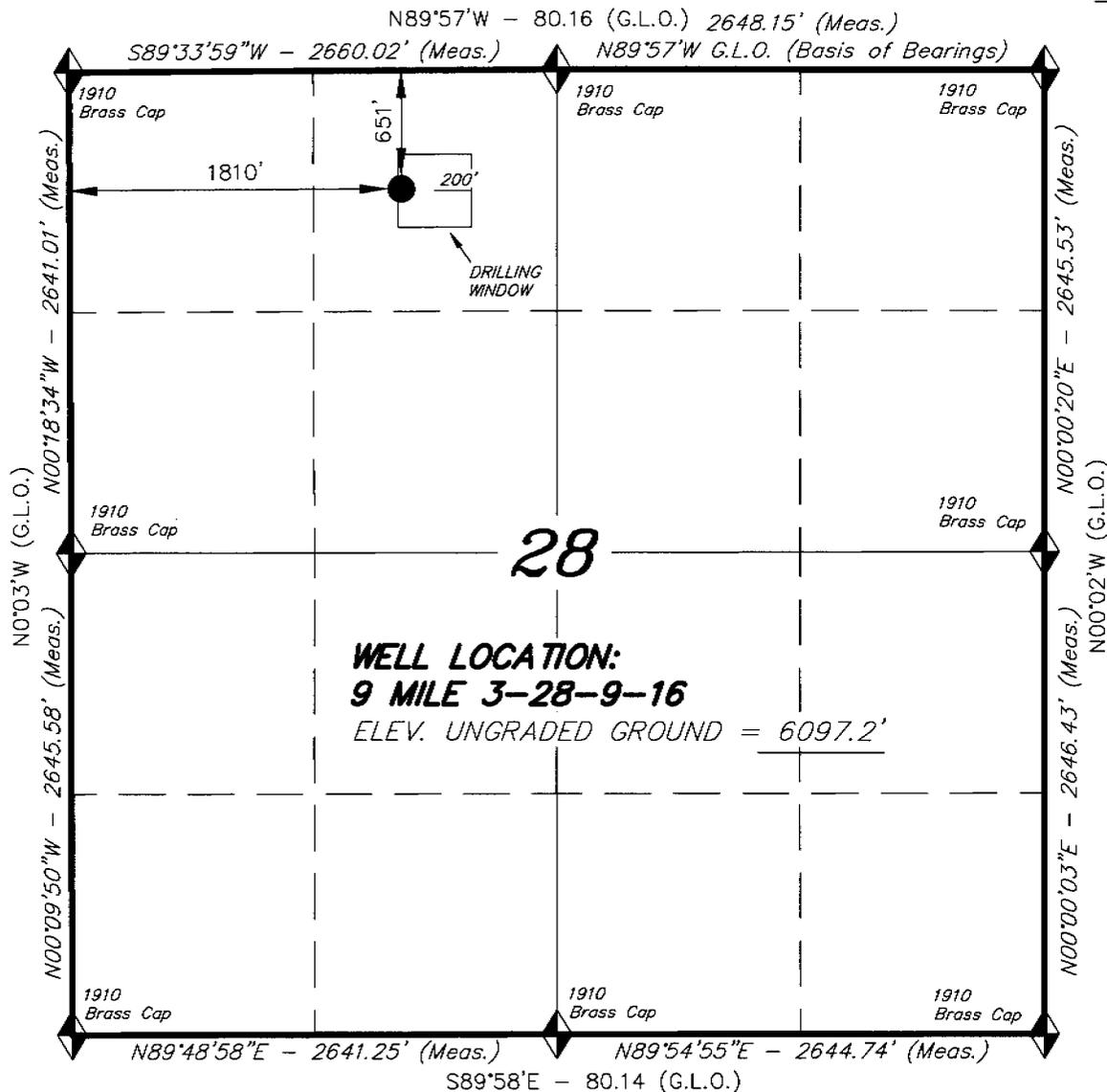
\*(Instructions on reverse)

**RECEIVED**  
**OCT 27 2006**  
DIV. OF OIL, GAS & MINING

**Federal Approval of this  
Action is Necessary**

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

NEWFIELD PRODUCTION COMPANY

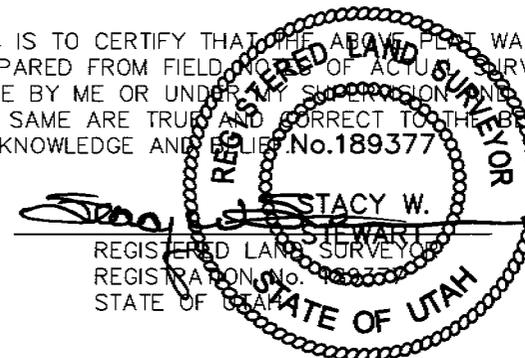


WELL LOCATION, 9 MILE 3-28-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NW  
1/4 OF SECTION 28, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**9 MILE 3-28-9-16**  
ELEV. UNGRADED GROUND = 6097.2'

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



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

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

**9 MILE 3-28-9-16**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 00' 26.49"  
LONGITUDE = 110° 07' 38.28"

DATE SURVEYED: 07-08-06	SURVEYED BY: C.M.
DATE DRAWN: 07-12-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
FEDERAL #3-28-9-16  
NE/NW SECTION 28, 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' - 2515'
Green River	2515'
Wasatch	5915'

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

Green River Formation 2515' - 5915' - 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 #3-28-9-16  
NE/NW SECTION 28, 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 #3-28-9-16 located in the NE 1/4 NW 1/4 Section 28, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.0 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles  $\pm$  to it's junction with an existing road to the southeast - proceed southeasterly - 0.2 miles  $\pm$  to it's junction with the beginning of an existing two track road; proceed along the existing two track road - 0.6 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed easterly along the proposed access road - 450'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #06-175. Paleontological Resource Survey prepared by, Wade E. Miller, 4/26/06. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 450' of disturbed area be granted in Lease UTU-74392 to allow for construction of the planned access road. **Refer to Topographic Map "B"**. For the planned access road a temporary width of 60' will be needed for construction purposes with a permanent width of 30' and a running surface of 18'. The construction phase of the planned access road will last approximately (5) days. The planned 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 1,760' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line and 30' wide upon completion of the proposed gas lines. 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 1,760' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Surface Flow Line**

For all new wells, Newfield Exploration requests that a 30' Right of way be granted to allow for construction of up to a 14" bundled pipe. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: the proposed flow line will be placed on the surface of the ground. As such no grading or clearing will be needed. The flow line will be centered staked every 200 feet prior to the installation. The flow line will be as close to the access road as possible without

interfering with the normal road travel, or road maintenance. All flow lines will be buried under roads at crossings and will cross roads only where existing gas pipeline corridors exist.

Installation for portions along existing roads, lengths of pipe will be laid in the barrow ditch, welded together and moved into place. For lines that go cross-country minimal access will be needed only for maintenance purpose. It is in the best interest of Newfield Exploration to avoid wet and saturated ground that would cause ruts greater than 3 inches in depth. Disturbed areas will be reclaimed within 120 days of the end of the installation.

Termination and final restoration: A notice of abandonment will be filed with the BLM for final recommendations regarding surface reclamation. After abandonment the flow line will be removed, and any surface disturbance will be reclaimed according to the standards and specifics set by the BLM

#### **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**

None For the Proposed Federal 3-28-9-16

#### **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)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Federal #3-28-9-16 was on-sited on 7/28/06. The following were present; Shon Mckinnon (Newfield Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management). 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

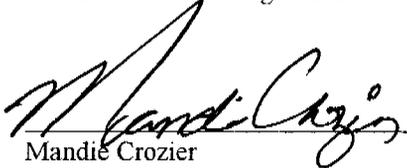
#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #3-28-9-16 NE/NW Section 28, Township 9S, Range 16E; Lease UTU-74392 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 US Specialty Insurance #B001832.

I hereby certify that the proposed drill site 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.

10/26/06

Date



Mandie Crozier

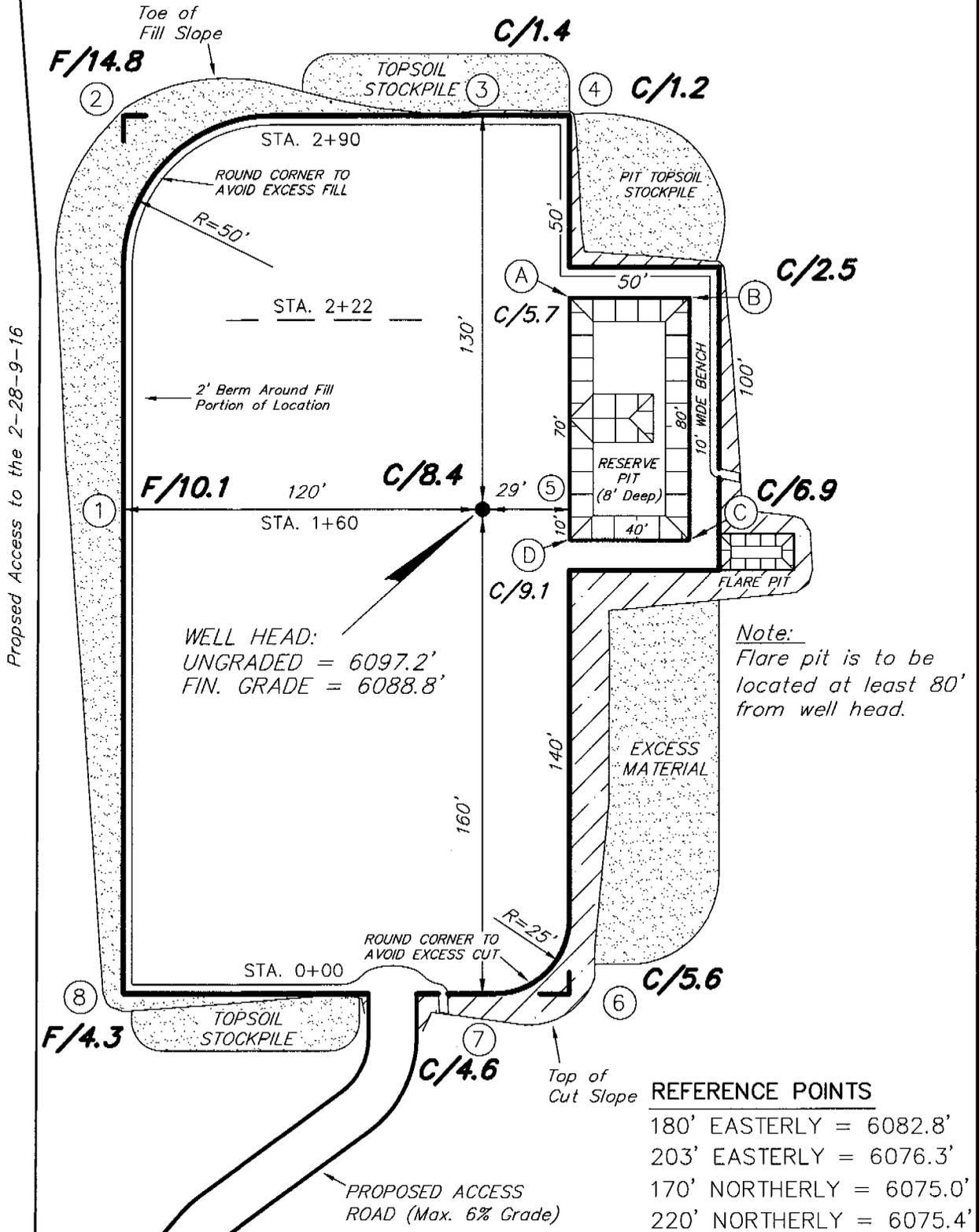
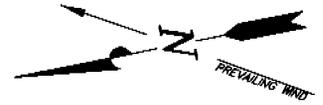
Regulatory Specialist

Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 3-28-9-16

Section 28, T9S, R16E, S.L.B.&M.

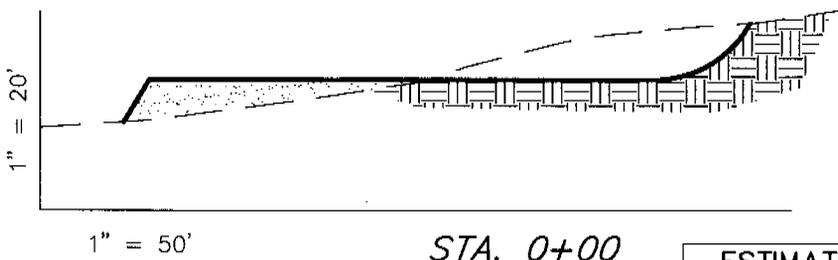
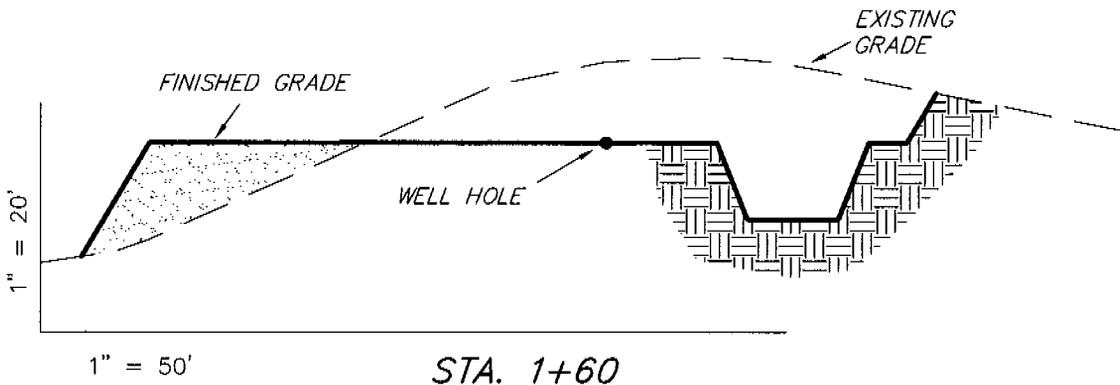
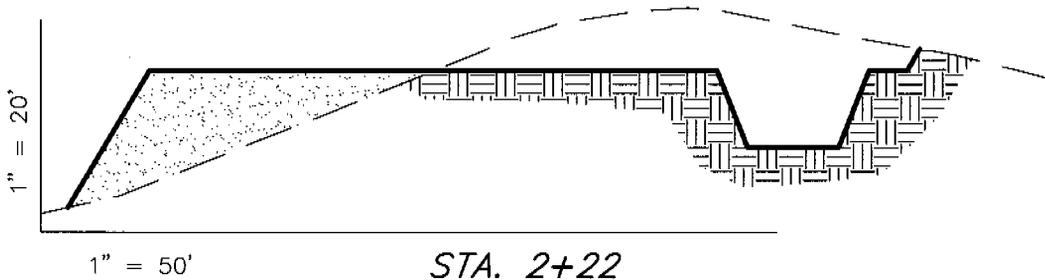
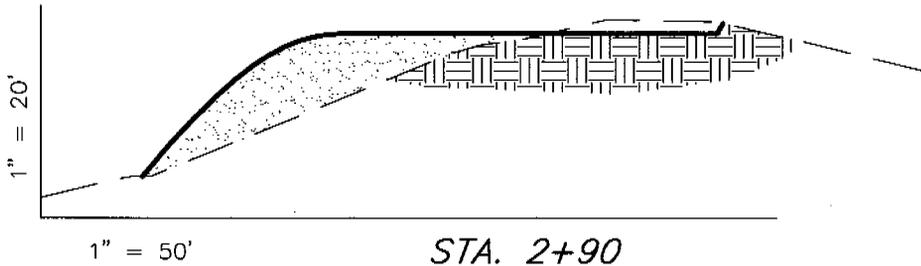


SURVEYED BY: C.M.	SCALE: 1" = 50'	<p style="font-size: small;">(435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: F.T.M.	DATE: 07-12-06	

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 9 MILE 3-28-9-16



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,050	5,040	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	5,690	5,040	1,070	650

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 07-12-06

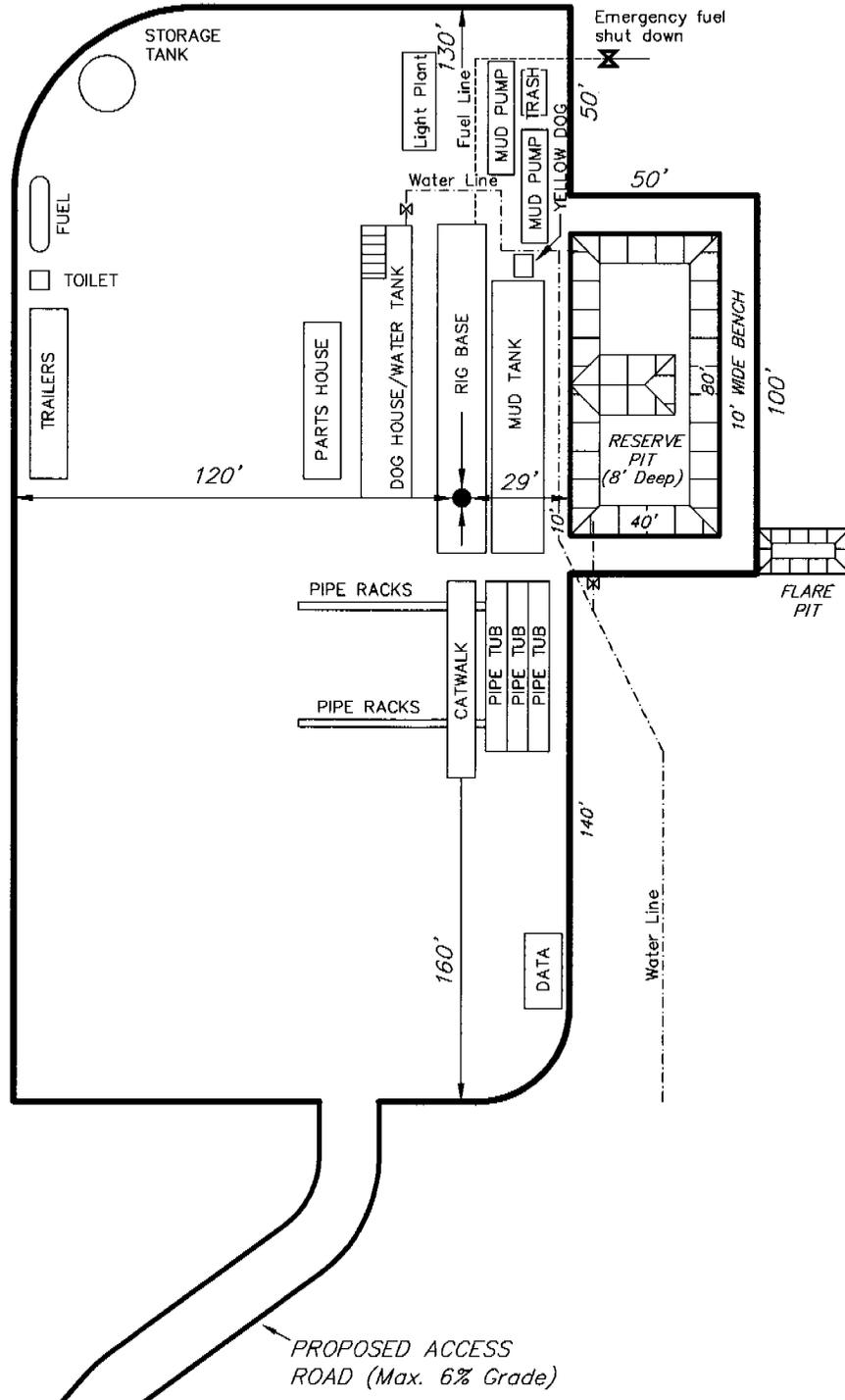
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### 9 MILE 3-28-9-16

Proposed Access to the 2-28-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 07-12-06

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

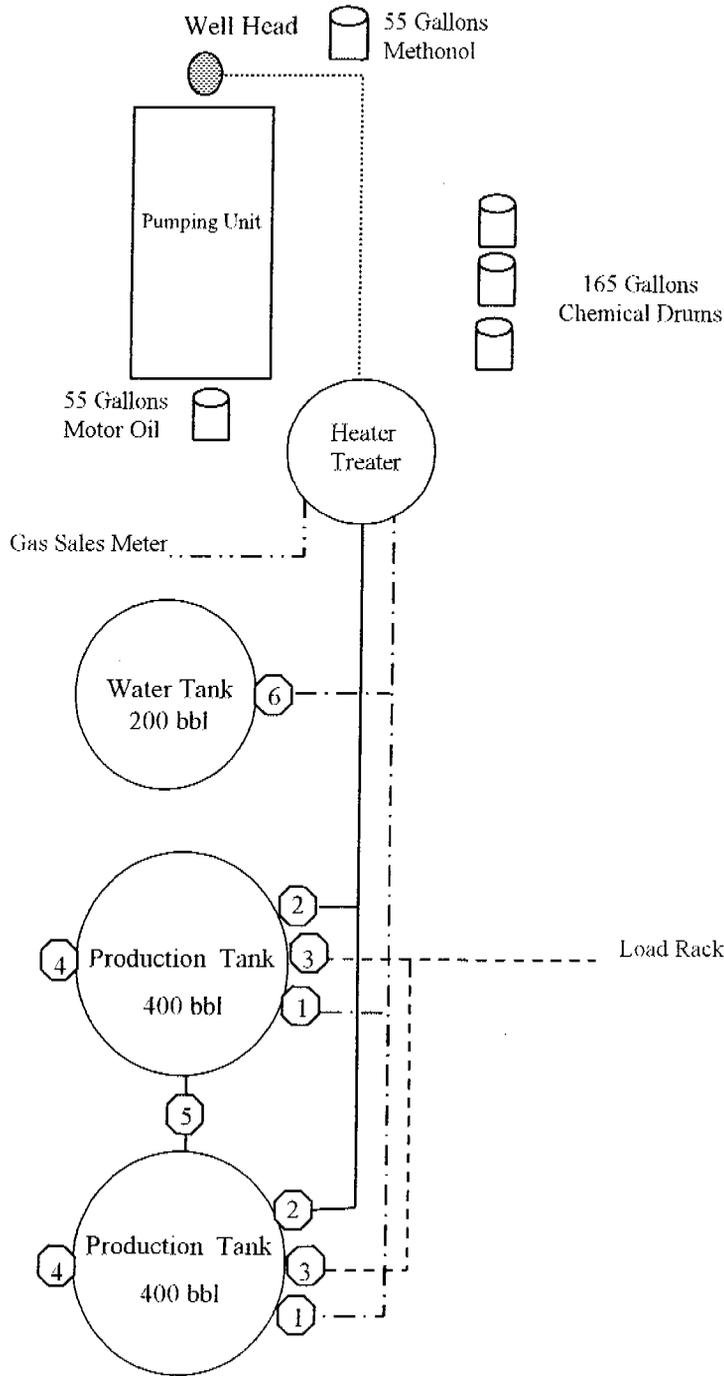
# Newfield Production Company Proposed Site Facility Diagram

Federal 3-28-9-16

NE/NW Sec. 28, T9S, R16E

Duchesne County, Utah

UTU-74392



## Legend

Emulsion Line	.....
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	-----

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

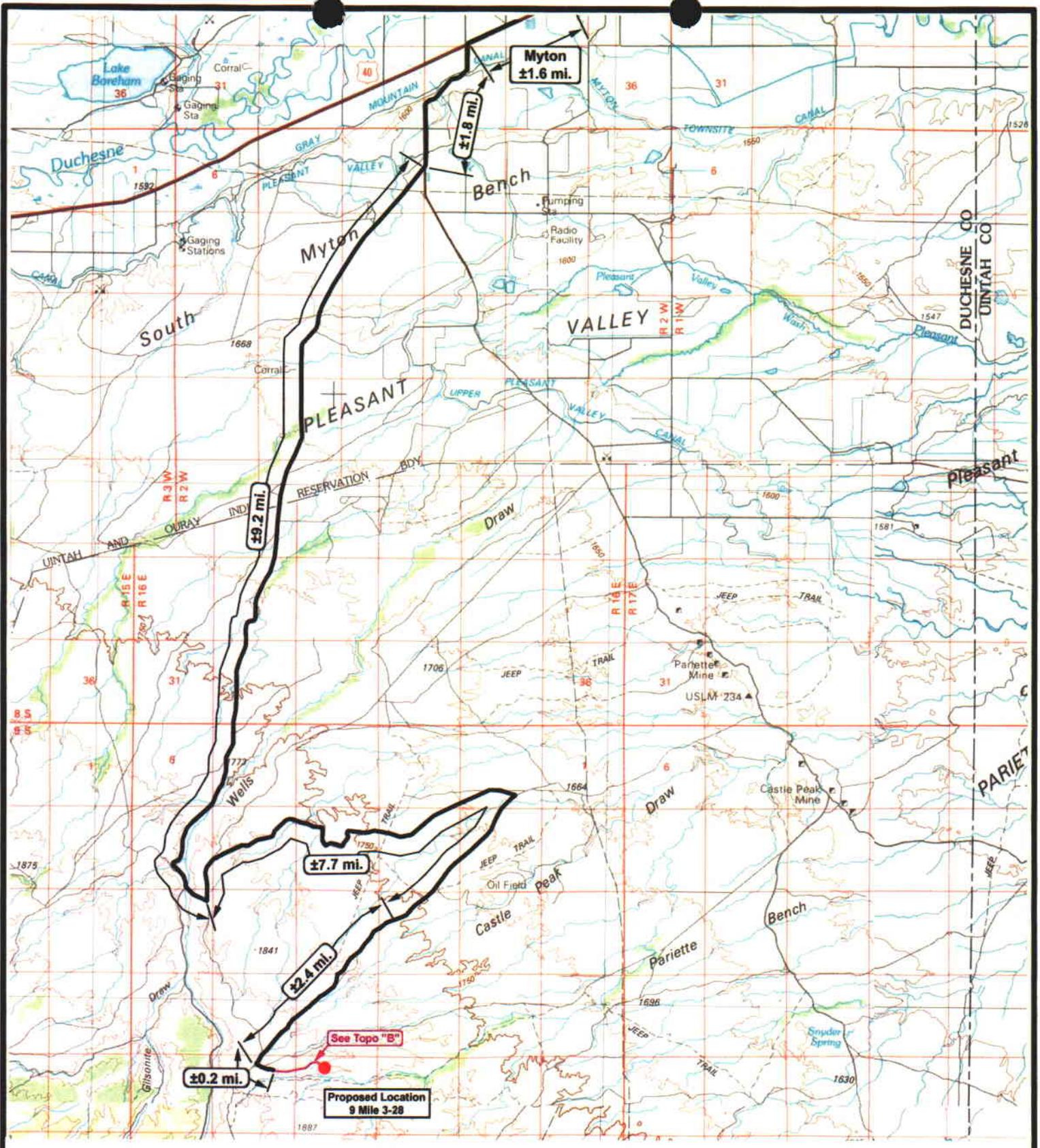
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open

Diked Section





**NEWFIELD**  
Exploration Company

**9 Mile 3-28-9-16**  
**SEC. 28, T9S, R16E, S.L.B.&M.**



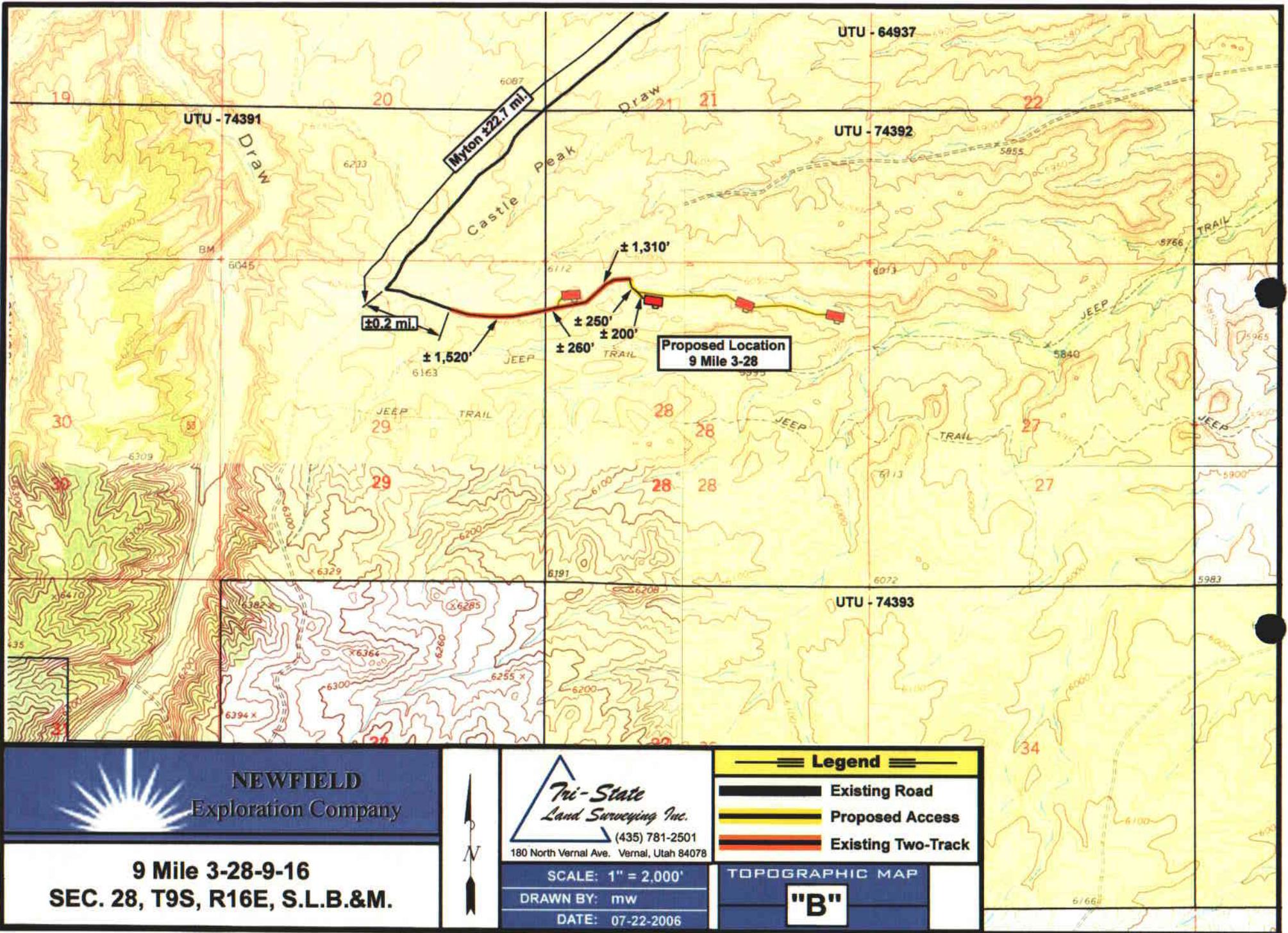
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

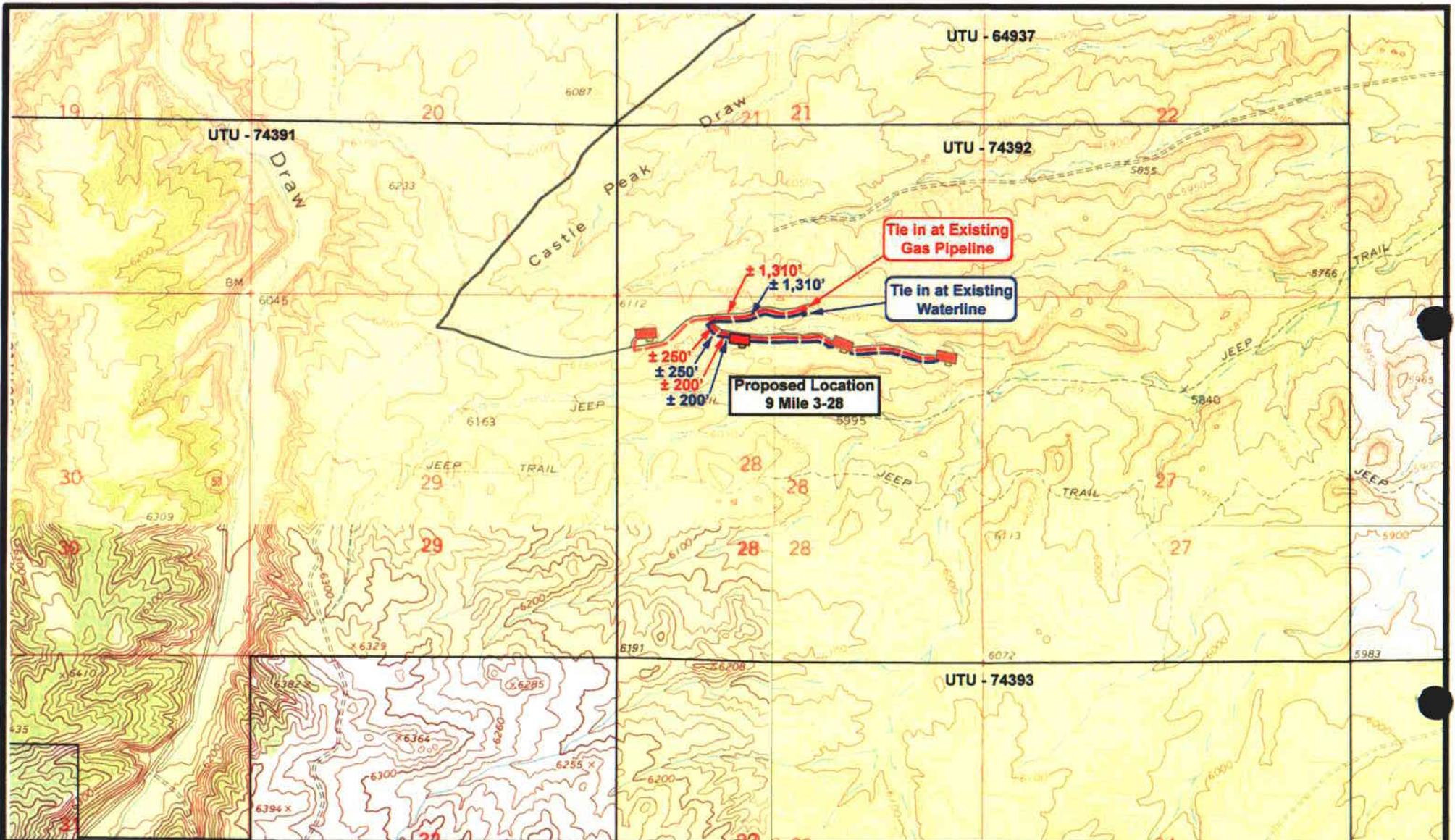
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 07-22-2006

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**





**NEWFIELD**  
Exploration Company

**9 Mile 3-28-9-16**  
**SEC. 28, T9S, R16E, S.L.B.&M.**

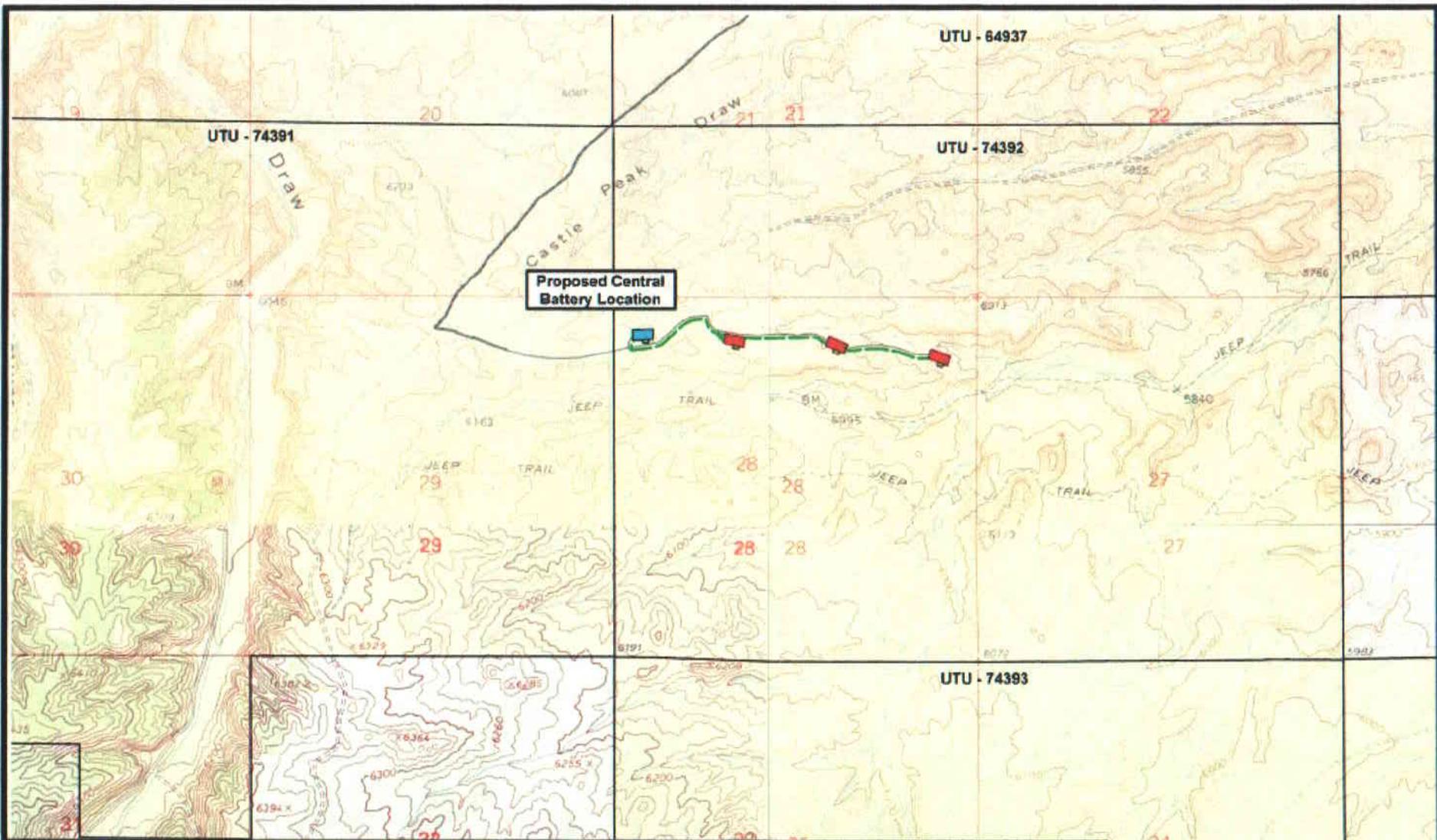


*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 07-22-2006

Legend	
	Roads
	Proposed Gas Line
	Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**



 **NEWFIELD**  
Exploration Company

---

**SEC. 28, T9S, R16E, S.L.B.&M.**

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

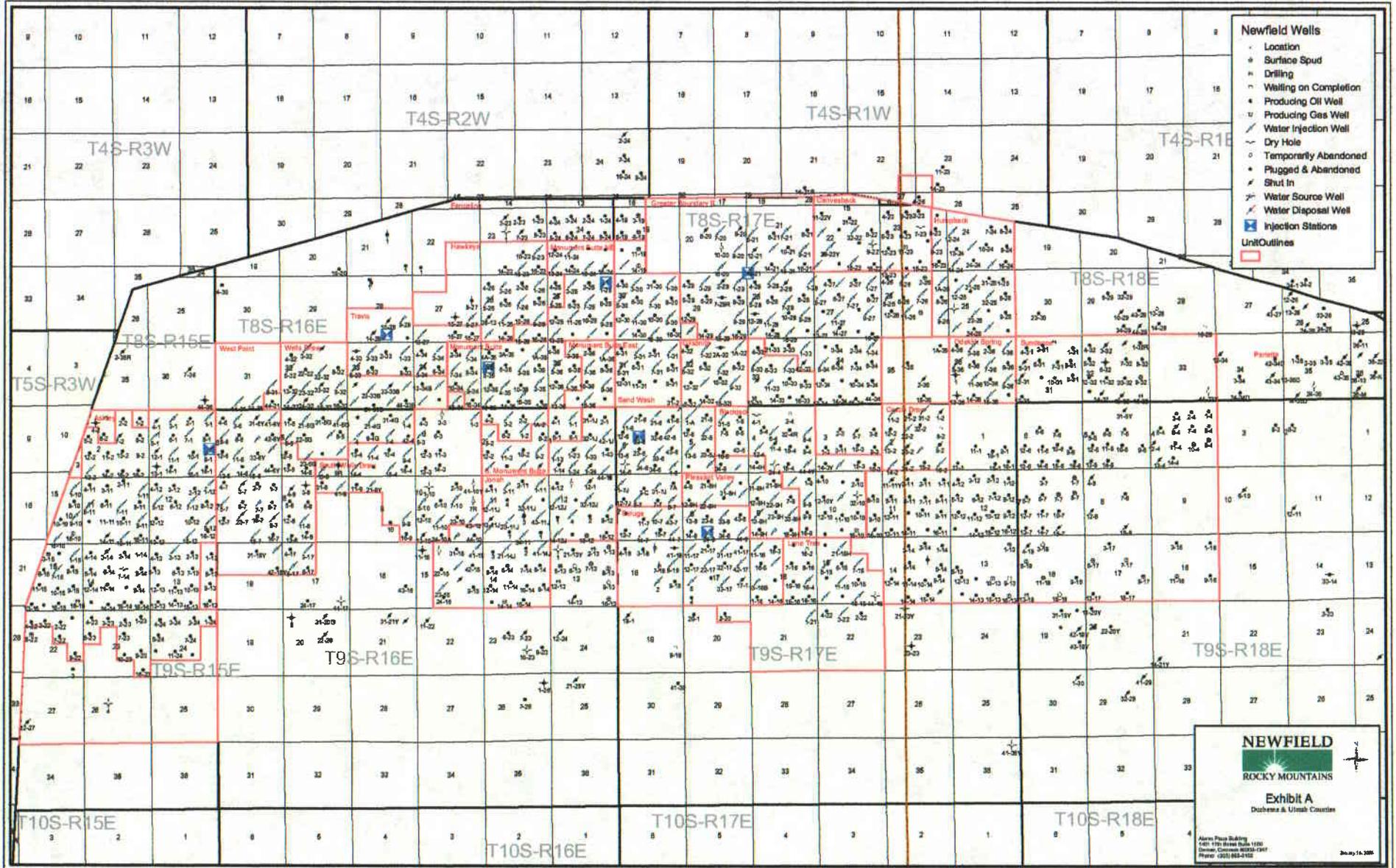
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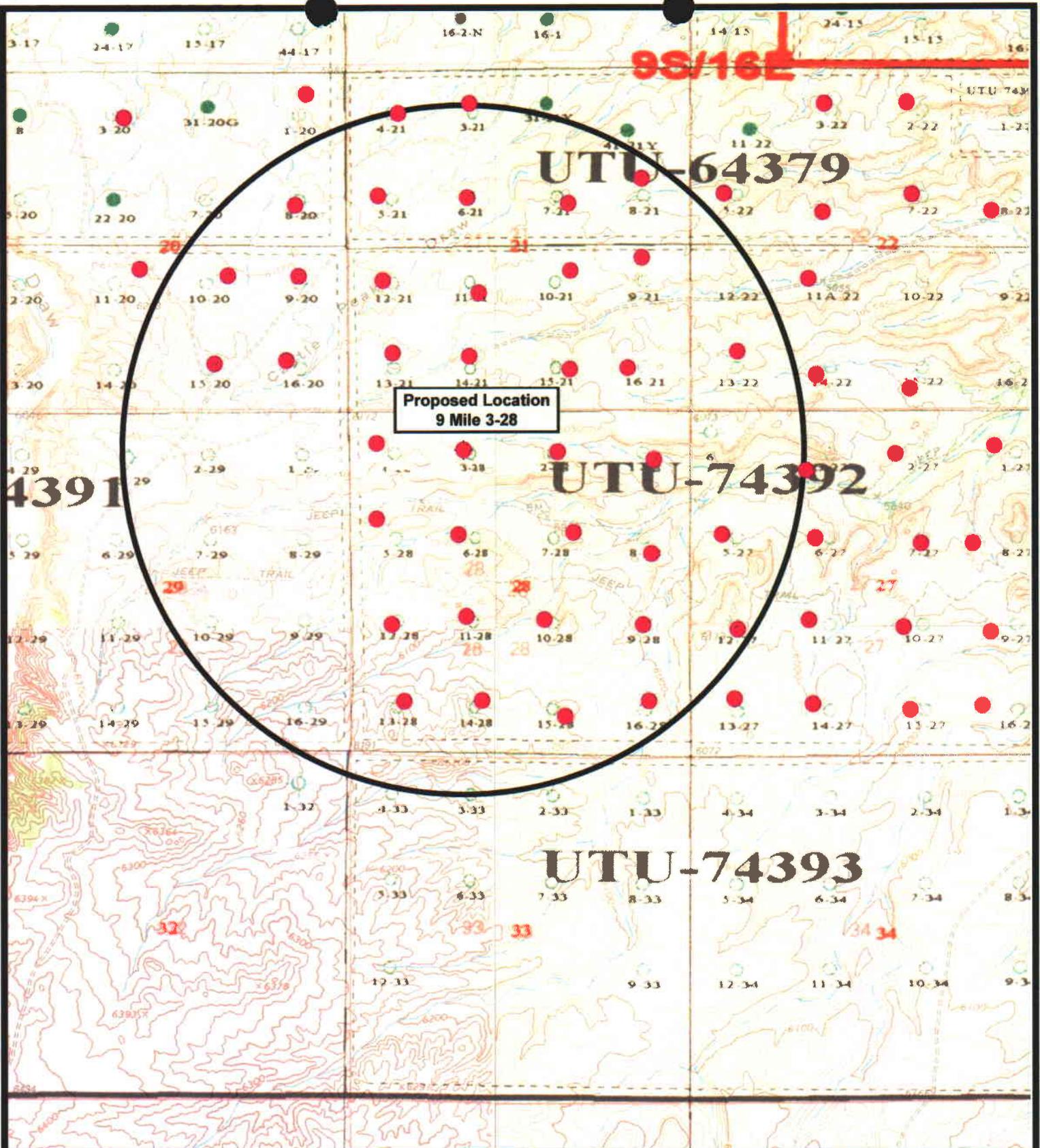
**Legend**

-  Roads
-  Proposed Flow Line Bundle
-  Proposed Central Battery

TOPOGRAPHIC MAP

**"D"**





Proposed Location  
9 Mile 3-28



**NEWFIELD**  
Exploration Company

**9 Mile 3-28-9-16**  
**SEC. 28, 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: 07-21-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

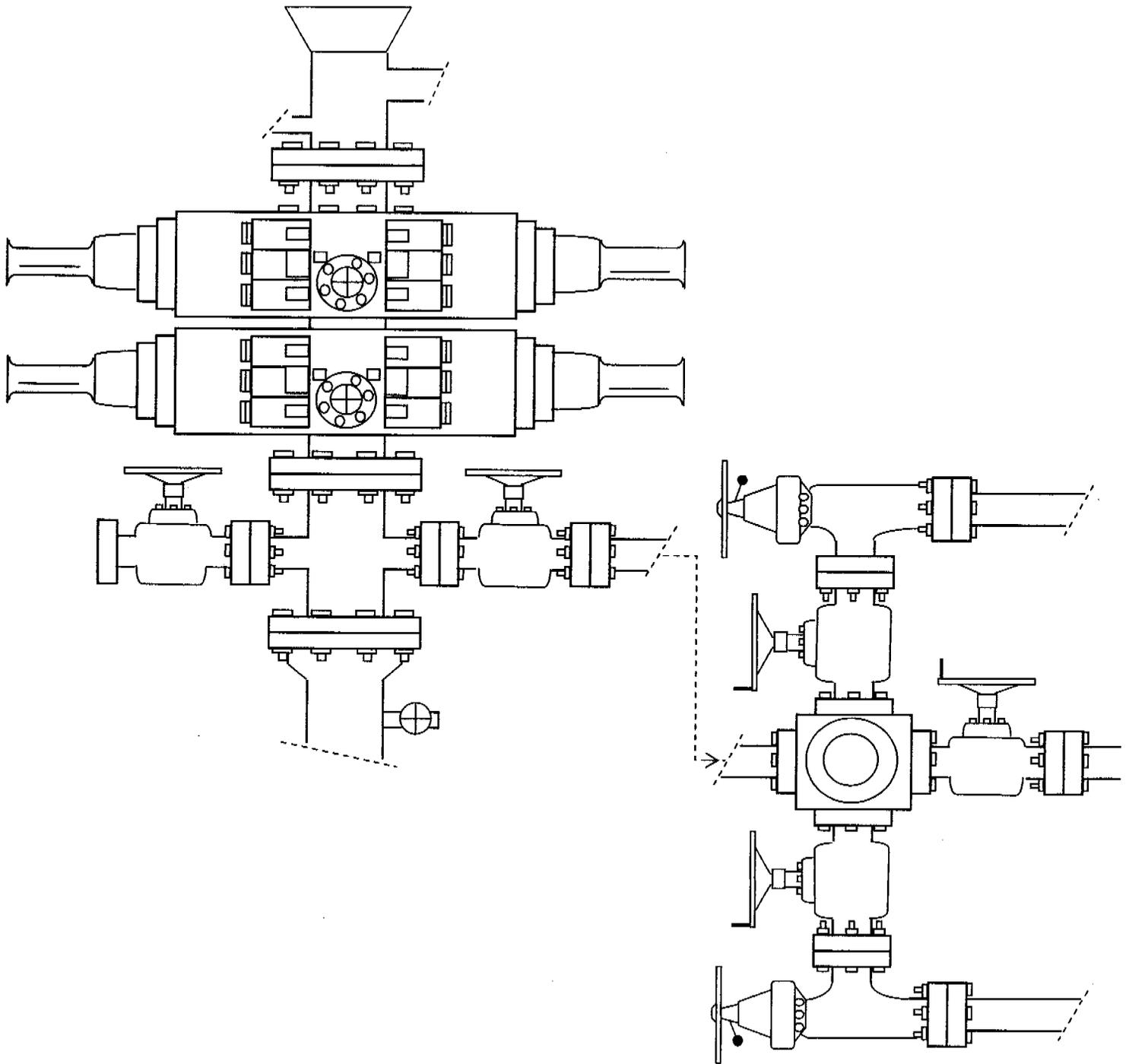


EXHIBIT C

Exhibit "D"

142

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTIONS 27, 28, 29 AND 30  
DUCHESNE COUNTY, UTAH

By:

Jenn Mueller

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 219  
Moab, Utah 84532

MOAC Report No. 06-175

September 8, 2006

United States Department of Interior (FLPMA)  
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-06-MQ-1111b

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UINTAH COUNTIES, UTAH**

NE 1/4, NW 1/4, Section 33, T 9 S, R 18 E; Section 19, T 9 S, R 17 E [entire section excluding the NW 1/4, NW 1/4]; Section 27, T 9 S, R 16 E [entire section excluding the NW 1/4, NW 1/4], Section 28, T 9 S, R 16 E [entire section]; Section 29, T 9 S, R 16 E [entire section]; Section 30, T 9 S, R 16 E [entire section].

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
April 26, 2006

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/27/2006

API NO. ASSIGNED: 43-013-33408

WELL NAME: FEDERAL 3-28-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 28 090S 160E  
 SURFACE: 0651 FNL 1810 FWL  
 BOTTOM: 0651 FNL 1810 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.00733 LONGITUDE: -110.1266  
 UTM SURF EASTINGS: 574550 NORTHINGS: 4428726  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74392  
 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: See Separate files

STIPULATIONS: 1. Federal Approval  
2. Spacing 8hr

STATE 16-2-N STATE 16-1-O

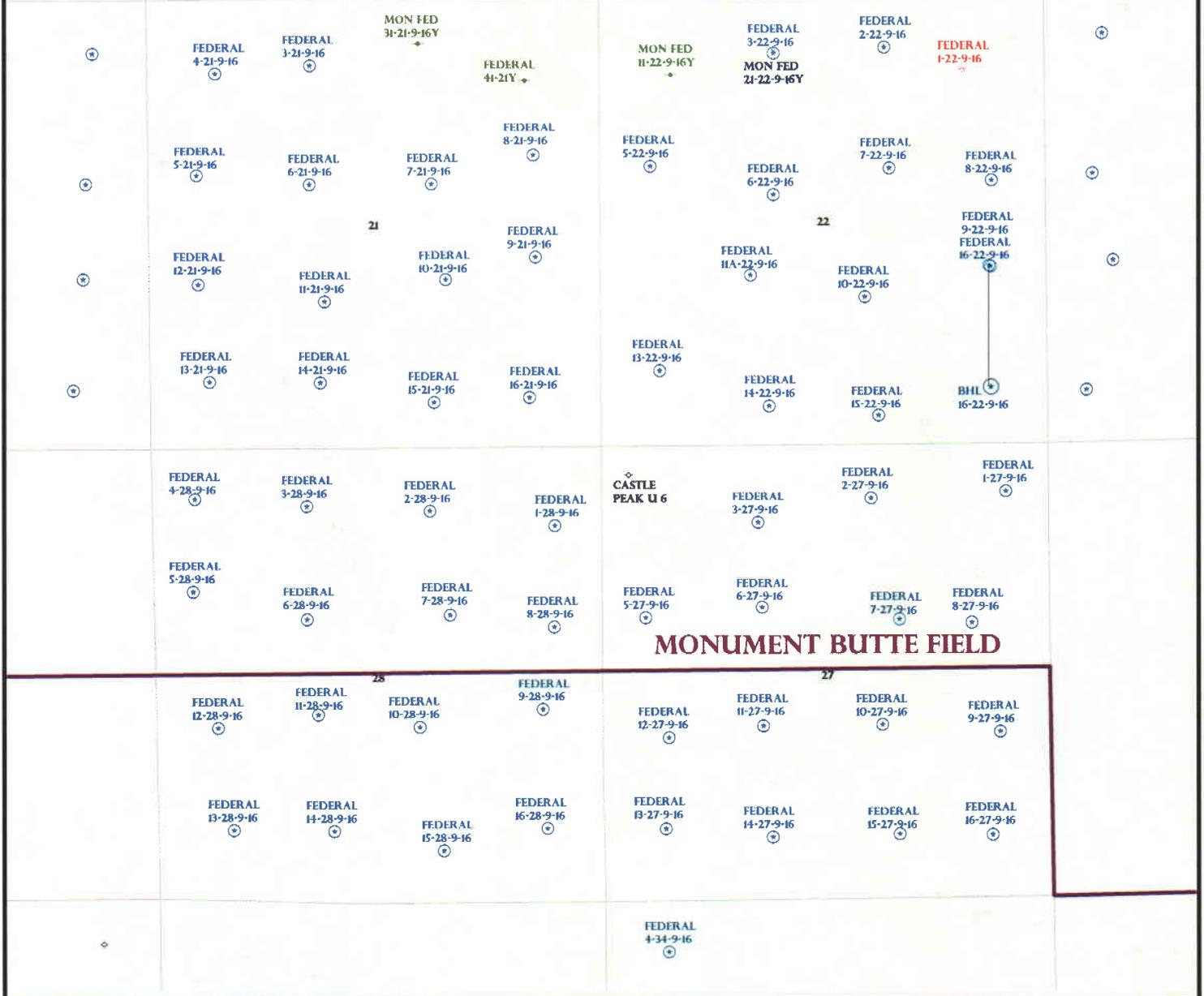
MONUMENT FED 14-15  
FEDERAL 13-15-9-16

JONAH (GR) UNIT

JONAH FED 15-15-9-16

JONAH FED 16-15-9-16  
CASTLE PEAK FED 44-15

T9S R16E



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 28 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Wells Status

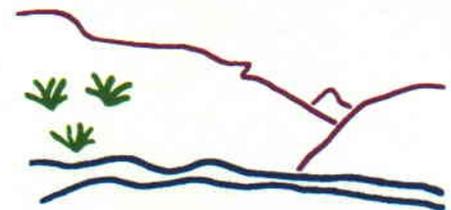
- ⊗ GAS INJECTION
- ⊗ GAS STORAGE
- ⊗ LOCATION ABANDONED
- ⊗ NEW LOCATION
- ⊗ PLUGGED & ABANDONED
- ⊗ PRODUCING GAS
- ⊗ PRODUCING OIL
- ⊗ SHUT-IN GAS
- ⊗ SHUT-IN OIL
- ⊗ TEMP. ABANDONED
- ⊗ TEST WELL
- ⊗ WATER INJECTION
- ⊗ WATER SUPPLY
- ⊗ WATER DISPOSAL
- ⊗ DRILLING

Field Status

- ⬜ ABANDONED
- ⬜ ACTIVE
- ⬜ COMBINED
- ⬜ INACTIVE
- ⬜ PROPOSED
- ⬜ STORAGE
- ⬜ TERMINATED

Unit Status

- ⬜ EXPLORATORY
- ⬜ GAS STORAGE
- ⬜ NF PP OIL
- ⬜ NF SECONDARY
- ⬜ PENDING
- ⬜ PI OIL
- ⬜ PP GAS
- ⬜ PP GEOTHERML
- ⬜ PP OIL
- ⬜ SECONDARY
- ⬜ TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 30-OCTOBER-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*

October 30, 2006

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

Re: Federal 3-28-9-16 Well, 651' FNL, 1810' FWL, NE NW, Sec. 28, 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 43-013-33408.

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 3-28-9-16  
API Number: 43-013-33408  
Lease: UTU-74392

Location: NE NW                      Sec. 28                      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-74392**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 3-28-9-16**

9. API Well No.

**43-013-33408**

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)

**651 FNL 1810 FWL NE/NW Section 28, T9S R16E**

DIV. OF OIL, GAS & MINING  
OCT 10 2 2007  
RECEIVED

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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 10/30/06 (expiration 10/30/07).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-10-07  
By: [Signature]

10-11-07  
RM

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

10/4/2007

CC: UTAH DOGM

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

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

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

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

**API:** 43-013-33408  
**Well Name:** Federal 3-28-9-16  
**Location:** NE/NW Section 28, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/30/2006

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

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

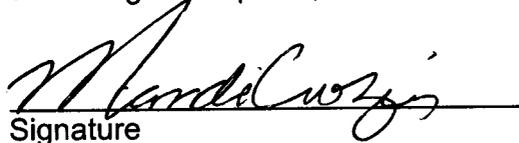
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

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

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

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

  
Signature

10/4/2007

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

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-74392**

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

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

8. Well Name and No.  
**FEDERAL 3-28-9-16**

9. API Well No.  
**43-013-33408**

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)  
**651 FNL 1810 FWL NE/NW Section 28, 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-30-08  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 10.2.2008  
Initials: KS

RECEIVED  
SEP 29 2008  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Mandie Crozier Title Regulatory Specialist Date 9/26/2008  
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:** 43-013-33408  
**Well Name:** Federal 3-28-9-16  
**Location:** NE/NW Section 28,T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/30/2006

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

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

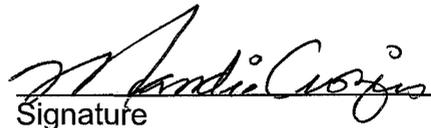
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

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

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

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

  
Signature

9/26/2008  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**SEP 29 2008**  
 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

**RECEIVED**

**OCT 27 2006**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 3-28-9-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 33408	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE/NW 651' FNL 1810' FWL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximatley 23.6 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area NE/NW Sec. 28, T9S R16E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1810' #/lse, NA #/unit		12. County or Parish Duchesne	
16. No. of Acres in lease 2080.00		13. State UT	
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. 1333'	
19. Proposed Depth 5915'		20. BLM/BIA Bond No. on file UTB000192	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6097' GL		22. Approximate date work will start* 1st Quarter 2007	
		23. Estimated duration Approximately seven (7) days from spurt to ng release	
24. Attachments			

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 10/12/06
Title Regulatory Specialist		
Approved by (Signature) <i>Steve Kavela</i>	Name (Printed/Typed) Steve Kavela	Date MAY 11 2009
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval 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.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1091 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any statement or report, or the United States any false, fictitious or fraudulent statement or representation as to any matter within its jurisdiction.

\*Instructions on reverse

**UDOGM**

**NOTICE OF APPROVAL**

**RECEIVED**

**MAY 18 2009**

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

075XS0121A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



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

**Company:** Newfield Production Company  
**Well No:** Federal 3-28-9-16  
**API No:** 43-013-33408

**Location:** NENW, Sec. 28, T9S, R16E  
**Lease No:** UTU-74392  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		<b>Fax: (435) 781-3420</b>	

**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 two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	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 Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	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)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SURFACE CONDITIONS OF APPROVAL**

**NEPA Document number:** DOI-BLM-UT-2008-0659-EA

**Company/Operator:** Newfield Production Company

**Well Name & Number:** Federal 1-28-9-16, Federal 2-28-9-16, and Federal 3-28-9-16 and 4-28-9-16, Federal 1-29-9-16, Federal 2-29-9-16, Federal 3-29-9-16, and Federal 4-29-9-16, Federal 1-30-9-16, Federal 2-30-9-16, Federal 3-30-9-16, and Federal 4-30-9-16

**Surface Ownership:** BLM

**CONDITIONS OF APPROVAL:**

**Wildlife**

Wells 1-30-9-16, 2-30-9-16, 3-30-9-16, 4-30-9-16, 3-29-9-16, and 4-29-9-16 will be located within Crucial Elk Calving habitat. In order to minimize impacts, no construction, drilling, or other development activity will be allowed from May 15 thru June 30.

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 survey, permission to proceed may or may not be recommended or granted.

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

**Interim and Final Reclamation**

Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and December 15. The seed shall be drilled wherever possible. If the seed is aerially broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). *Forage Kochia shall be applied to the surface and not covered.* If initial seeding is not successful, reseeding may be required.

**Interim and Final Seed mix for wells: 1-28-9-16, 2-28-9-16, 3-28-9-16, 4-28-9-16, 1-29-9-16, 2-29-9-16, 3-29-9-16, 4-29-9-16, 1-30-9-16, and 2-30-9-16.**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0	½"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	½"
Anatone bluebunch wheatgrass	<i>Agropyron spicatum</i> var. <i>Anatone</i>	2.0	½"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	½"

**Interim and Final Seed mix for wells: 3-30-9-16, 4-30-9-16**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Western Wheatgrass	<i>Pascopyrum smithii</i>	3.0	¼ - ½"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	½"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	⅛ - ¼"
Shadscale	<i>Atriplex confertifolia</i>	2.0	½"
Fourwing Saltbush	<i>Atriplex canescens</i>	2.0	½"
Winterfat	<i>Ceratoides lanata</i>	1.0	½"
Forage Kochia2	<i>Kochia prostrata</i>	0.5	½"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

**Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. *Final seed mix:* same as interim unless otherwise instructed.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- 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.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, 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.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, 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.
- 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\\_Wellologs@BLM.gov](mailto:UT_VN_Wellologs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- 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.
- 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.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- 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.

- 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.
- 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.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal 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. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- 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.
- 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 and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- 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.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Rig Name/# Ross rig # 21  
Submitted By Jim Smith Phone Number 823-2072  
Well Name/Number Fed 3-28-9-16  
Qtr/Qtr NENW Section 28 Township 9S  
Range 16E  
Lease Serial Number UTU-74392  
API Number 43-013-33408

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/22/09 9:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 6/22/09 4:00 AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks \_\_\_\_\_

\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

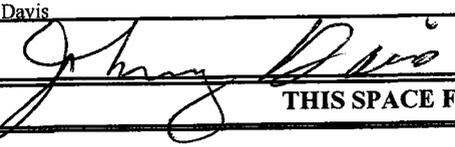
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-74392
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address    Route 3 Box 3630 Myton, UT 84052	3b. Phone    (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or
4. Location of Well    (Footage, Sec., T., R., M., or Survey Description) 651 FNL 1810 FWL  NENW Section 28 T9S R16E		8. Well Name and No. FEDERAL 3-28-9-16
		9. API Well No. 4301333408
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 6/22/09 MIRU Ross spud rig #21. Drill 310' of 12 1/4" hole with air mist. TIH W/8 Jt's 8 5/8" J-55 24# csqn. Set @ 317' KB. On 6/26/09 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 6 bbls cement to pit.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Johnny Davis	Title Drilling Foreman
Signature 	Date 06/29/2009

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

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

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

(Instructions on page 2)

**RECEIVED**

**JUL 06 2009**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT

317.03

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

OPERATOR Newfield Exploration Company  
 WELL FEDERAL 3-28-9-16  
 FIELD/PROSPECT MB  
 CONTRACTOR & RIG # Ross #21

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Guide shoe					0.9
1	8 5/8"	Shoe jt	24	J-55	STC	A	36.45
7	8 5/8"	Csg.	24	J-55	STC	A	268.73
1		WHI-92					0.95
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			307.03
TOTAL LENGTH OF STRING		307.03	8	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>317.03</b>
TOTAL		305.18	8	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		305.18	8				
TIMING				GOOD CIRC THRU JOB <u>Yes</u>			
BEGIN RUN CSG.	Spud	3:00 PM	6/22/2009	Bbls CMT CIRC TO SURFACE <u>6</u>			
CSG. IN HOLE		5:00 PM	6/22/2009	RECIPROCATED PIP <u>No</u>			
BEGIN CIRC		7:33 AM	6/26/2009	BUMPED PLUG TO <u>480</u>			
BEGIN PUMP CMT		7:45 AM	6/26/2009				
BEGIN DSPL. CMT		7:55 AM	6/26/2009				
PLUG DOWN		8:02 AM	6/26/2009				

CEMENT USED		CEMENT COMPANY- <b>BJ</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class G+2% CACL+.25#/sk Cello flake
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
M, top of first, top of second for a total of 3iddle first		

COMPANY REPRESENTATIVE Johnny Davis DATE 6/26/2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well

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)

651 FNL 1810 FWL

NENW Section 28 T9S R16E

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

FEDERAL 3-28-9-16

9. API Well No.

4301333408

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 6/30/09 MIRU NDSI Rig # 3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DQGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5851'. 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, DVD Tool & Packer @ 2845.75' 148 jt's of 5.5 J-55, 15.5# csgn. Set @ 5835.58' / KB. 2 Stage Cement 1st Cement with 70 sks cement mixed @ 11.0 ppg & 3.53 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. 2nd Stage 226 sk mixed @ 11 ppg & 3.53 yld Then 50 sk "G" Mixed @ 15.8 ppg & 1.15 yld. Returned 23 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 103,000 #'s tension. Release rig @ 6:30 am 7/11/09.

RECEIVED  
JUL 21 2009

DIV. OF OIL, GAS & MINING

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

Don Bastian

Signature

*Don Bastian*

Title

Drilling Foreman

Date

07/12/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title

Office

Date

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

(Instructions on page 2)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5835.59

LAST CASING 8 5/8" SET AT 317  
 DATUM 12  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5845 LOGC 5825  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company  
 WELL FEDERAL 3-28-9-16  
 FIELD/PROSPECT MB  
 CONTRACTOR & RIG # NDSI Rig #3

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Landing Jt	15.5	J-55	8rd	A	14
148	5 1/2"	LT&C Casing	15.5	J-55	8rd	A	5782.19
1	5 1/2"	Float Collar	---	---	8rd	A	1.74
1	5 1/2"	LT&C Casing	15.5	J-55	8rd	A	38.79
1	4 1/2"	Guide Shoe	---	---	8rd	A	0.87

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5837.59
TOTAL LENGTH OF STRING	5837.59		LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	16.61		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	155.87	4	CASING SET DEPTH	<b>5,835.59</b>
TOTAL	5976.85	4		
TOTAL CSG. DEL. (W/O THRDS)	5976.85	153	} COMPARE	
TIMING				
BEGIN RUN CSG. Spud	5:30 PM	7/10/2009	GOOD CIRC THRU JOB	Yes
CSG. IN HOLE	8:30 PM	7/10/2009	Bbls CMT CIRC TO SURFACE	23
BEGIN CIRC	9:00 PM	7/10/2009	RECIPROCATED PIPE	No
BEGIN PUMP CMT	11:11 PM	7/10/2009		
BEGIN DSPL. CMT	11:57 PM	7/10/2009	BUMPED PLUG TO	2132
PLUG DOWN	12:21 AM	7/11/2009		

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	70	PL II +3%KCL +5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ 11 ppg W/ 3.53.cf/sk Yield
	400	50:50:2 +3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Mixed @ 14.4 ppg W/ 1.24 cf/sk yield
2	226	PL II +3%KCL+0.5#CSE+0.5#CF+2#K Mixed @ 11 ppg W/3.53 cf/sk yield
	50	Class "G" Neat CMT Mixed @ 15.8 ppg W/1.15 cf/sk/yield
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle 1st Top 2nd&3rd Then Top Every 3rd For Total Of 20		

COMPANY REPRESENTATIVE Don Bastian DATE 7/11/2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU-74392

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
NA

7. Unit or CA Agreement Name and No.  
FEDERAL

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
FEDERAL 3-28-9-16

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

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

9. AFI Well No.  
43-013-33408

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

10. Field and Pool or Exploratory  
MONUMENT BUTTE

At surface 651' FNL & 1810' FWL (NE/NW) SEC. 28, T9S, R16E

11. Sec., T., R., M., on Block and  
Survey or Area SEC. 7, T9S, R16E

At top prod. interval reported below

12. County or Parish  
DUCHESNE

13. State  
UT

At total depth 5851'

14. Date Spudded  
06/22/2009

15. Date T.D. Reached  
07/10/2009

16. Date Completed 07/28/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6097' GL 6109' KB

18. Total Depth: MD 5851'  
TVD

19. Plug Back T.D.: MD 5788'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
 DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		317'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5836'		301 PRIMLITE		104'	
						450 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@5674'	TA @ 5575'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP5,CP4,CP3)see below	.49"	3	36
B) GREEN RIVER			(CP1) 5392-99'	.49"	3	21
C) GREEN RIVER			(B1) 4724-4731'	.49"	3	21
D) GREEN RIVER			(D1) (D2)see below	.49"	3	33

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5490-5613'	frac CP sds w/ 30,556#s of 20/40 sand in 437 bbls of Lightning 17 frac fluid.
5392-5399'	frac w/ 30,596#s of 20/40 sand in 370 bbls of Lightning 17 frac fluid
4724-4731'	frac w/ 14,782#s of 20/40 sand in 282 bbls of Lightning 17 frac fluid.
4508-4570'	frac w/ 100,042#s of 20/40 sand in 750 bbls of Lightning 17 frac fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/28/09	08/05/09	24	→	60	26	25			2-1/2"X1-1/2"X14"X18' RHAC w/ 142"SL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ➔	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ➔	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ➔	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ➔	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3502' 3700'
				GARDEN GULCH 2 POINT 3	3806' 4046'
				X MRKR Y MRKR	4309' 4344'
				DOUGALS CREEK MRK BI CARBONATE MRK	4454' 4680'
				B LIMESTON MRK CASTLE PEAK	4769' 5308'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5783 5825'

32. Additional remarks (include plugging procedure):

STAGE 1: CP5 sds @ 5610-13', CP4 sds @ 5564-67', CP3 sds @ 5490-94' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 3 spf for total of 36 shots.  
STAGE 4: Perforate D2 sds @ 4566-70', 4557-60', D1 sds @ 4508-12' w/ 3 spf for total of 33 shots.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi Lee Title Production Clerk  
 Signature *Tammi Lee* Date 08/18/2009

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.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74392

**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 3-28-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333408

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: 651 FNL 1810 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW, 28, T9S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/26/2009	<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 07/28/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE  DATE 08/26/2009

(This space for State use only)

**RECEIVED**  
**AUG 31 2009**  
DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****FEDERAL 3-28-9-16****5/1/2009 To 9/30/2009****7/22/2009 Day: 1****Completion**

Rigless on 7/22/2009 - MIRUSU. Drilling packer. - MIRUSU. Instal Schefer BOP's. PU 4-3/4" rock bit & x-over sub. Tally, pickup & TIH w/ new J-55, 6.5#, 8 EUE, 2-7/8" tbg to tag cement @ 2785'. RU swivel, pump & tanks. Drlg out cement to packer @ 2845'. Drlg out plug in 100 min. TIH w/ tbg to tag cement @ 5752'. Drlg out to PBDT @ 5788'. Lay down 4 jts tbg to leave EOT @ 5658'. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$36,583**7/23/2009 Day: 2****Completion**

WWS #1 on 7/23/2009 - CBL/Perforated 1st stage. - Open well w/ 0 psi on casing. TOOH w/ tbg. RU Prforators LLC WLT & packoff. RIH w/ CBL tool. Run CBL under pressure. WLTD was 5773' & CMT was 104'. Test casing, frac head, casing valves & BOP's to 4500 psi. RIH w/ gauge ring, 3',3',4' perf guns. Perforate CP5 sds @ 5610-13', CP4 sds @ 5564-67', CP3 sds @ 5490-94' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 3 spf for total of 36 shots. RD WLT. ND Cameron BOP's. Instal Schefer BOP's. RU 4-3/4" mill. TIH w/ tbg to 2800' Work mill through packer. TOOH w/ tbg. RD Schefer BOP's. Instal Cameron BOP's. RU BJ Services. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$47,320**7/24/2009 Day: 3****Completion**

WWS #1 on 7/24/2009 - Frac well. - Stage #1: RU bBJ Services "Ram Head" frac flange. RU BJ & frac CP sds w/ 30,556#'s of 20/40 sand in 437 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3153 psi back to 2326 psi @ 3 bpm w/ 3 bbls fluid. ISIP was 1668 w/ .73FG. 1 min was 1387 psi. 4 min was 1177 psi. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2851 w/ ave rate of 42 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 1980 w/ .79FG. 5 min was 1760 psi. 10 min was 1747. 15 min was 1709. 437 Bbls EWTR. Leave pressure on well. - Stage #2&3: RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) w/ 7' perf gun. Set plug @ 5430'. Perforate CP1 sds @ 5392-99' w/ 3-1/8" Port Guns (11 gram, .36"EH, 120°) w/ 3 spf for total of 21 shots. RU BJ & perfs won't break down. RU dump bailer & spot 8 gals of 15% HCL acid. Had 11' of sand on top of perfs. RU WLT. RIH w/ 2',8',2' perf guns. Tag sand 25' above CP1 sds. RU BJ & surge for 4 bbls & frac w/ 30,596#'s of 20/40 sand in 370 bbls of Lightning 17 frac fluid. Open well w/ 1279 psi on casing. Surge off 4 bbls to 1050 psi. Perfs broke down @ 1187 psi back to 1187 psi @ 3 bpm w/ 3 bbls fluid. Pressure to low (stay pumping). Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2936 w/ ave rate of 41 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 2258 w/ .88FG. 5 min was 1708 psi. 10 min was 1474. 15 min was 1378. 807 Bbls EWTR. Leave pressure on well. - Stage #5: RU WLT. RIH w/ frac plug & 4',3',4' perf gun. Set plug @ 4660'. Perforate D2 sds @ 4566-70', 4557-60', D1 sds @ 4508-12' w/ 3 spf for total of 33 shots. RU BJ & frac w/ 100,042#'s of 20/40 sand in 750 bbls of Lightning 17 frac fluid. Open well w/ 1025 psi on casing. Perfs broke down @ 3590 psi back to 1990 psi @ 3 bpm w/ 3 bbls fluid. Pressure up & down so didn't shut down. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 3126 w/ ave rate of 38 bpm w/ 8 ppg sand. ISIP was 1780 w/ .83FG. 5 min was 1581 psi. 10 min was 1513. 15

min was 1455. 1839 Bbls EWTR. RD BJ & WLT. Flow well back for 4 hours & died w/ 480 bbls rec'd. SIFN. 1359 bbls EWTR. - Stage #4: RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 4830'. Perforate B1 sds @ 4724-31' w/ 3 spf for total of 21 shots. RU BJ & frac w/ 14,782#'s of 20/40 sand in 282 bbls of Lightning 17 frac fluid. Open well w/ 1118 psi on casing. Perfs broke down @ 4207 psi back to 1931 psi @ 3 bpm w/ 3 bbls fluid. Pressure up & down so didn't shut down. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2505 w/ ave rate of 26 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 1709 w/ .80FG. 5 min was 1296 psi. 10 min was 1229. 15 min was 1257. 1089 Bbls EWTR. Leave pressure on well

**Daily Cost:** \$0

**Cumulative Cost:** \$124,771

**7/27/2009 Day: 4**

**Completion**

WWS #1 on 7/27/2009 - Drlg plugs. - Open well w/ 0 psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schefer BOP's. RU 4-3/4" Chomp Mill & x-over sub. TIH w/ tbg to tag sand @ 4644'. RU swivel, pump & tanks. C/O to plug @ 4660'. Drlg out plug #1 in 14 min. TIH w/ tbg to tag plug @ 4830'. Drlg out plug #3. TIH w/ tbg to tag plug @ 5430'. Drlg out plug #3. TIH w/ tbg to tag fill @ 5720'. C/O to PBD @ 5788'. LD 2 jts tbg. RU swab & made 5 runs to rec'd 52 bbls fluid. FFL was 1000'. Last run showed water. SIFN w/ 1307 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$130,371

**7/28/2009 Day: 5**

**Completion**

WWS #1 on 7/28/2009 - Clean well out. - Open well w/ 0 psi on casing. RU swab & made 8 runs & rec'd 76 bbls fluid. Last run showed trace of oil w/ no sand. FFL was 1500'. RD swab equipment. TIH w/ tbg to tag no new sand. Circulate well clean. TOOH w/ tbg. LD Mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new CDI w/ 45,000# shear, 177 jts tbg. RD BOP's. Set TA @ 5575' w/ 18,000#'s tension w/ SN @ 5609' & EOT @ 5674'. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 14' x 18' new CDI RHAC pump w/ "SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 98- 3/4" plain rods, 99- 3/4" guided rods, 2', 6', 8' x 3/4" pony rod, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 6PM w/ 86"SL @ 4.5 spm w/ 1250 bbls EWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$169,373

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-28-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013334080000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0651 FNL 1810 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 28 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

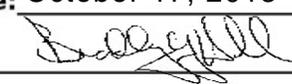
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/29/2013</b>	<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 08/27/2013. On 08/28/2013 Chis Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 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: October 17, 2013

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/10/2013	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 8/29/13 Time 08:30 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

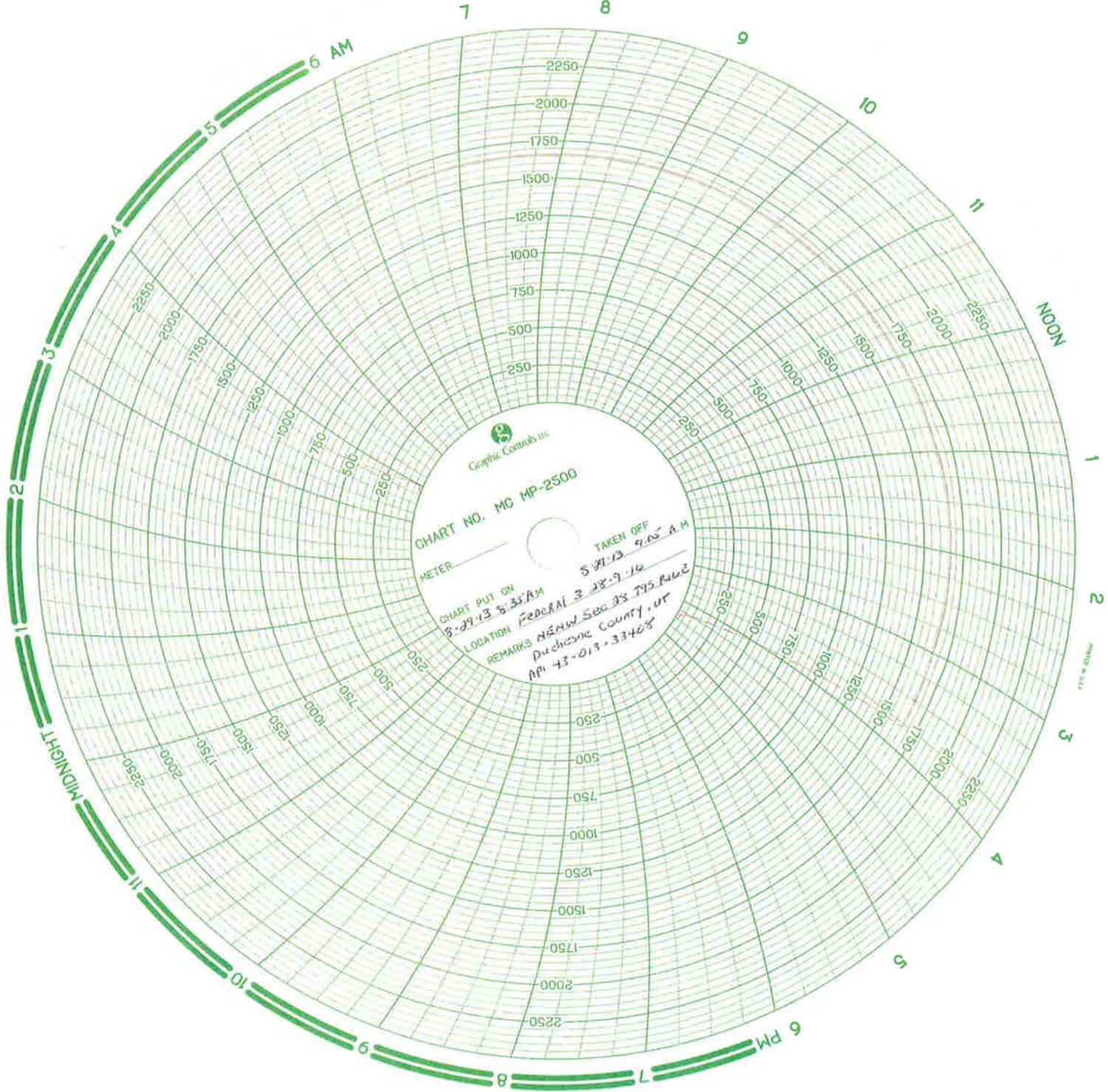
Well: FEDERAL 3-28-9-16 Field: MONUMENT BUTTE  
Well Location: NE NW Sec 28 T9S R10E API No: 43-013-33408  
Duchesne County, UT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>11055</u>	psig
5	<u>11055</u>	psig
10	<u>11055</u>	psig
15	<u>11055</u>	psig
20	<u>11055</u>	psig
25	<u>11055</u>	psig
30 min	<u>11055</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 490 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Everett Unruh



## Daily Activity Report

Format For Sundry

FEDERAL 3-28-9-16

6/1/2013 To 10/30/2013

**8/26/2013 Day: 1**

**Conversion**

WWS# 5 on 8/26/2013 - MIRUSU, test tbg, pull rods - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2O, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2O, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2O, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$14,072

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**8/27/2013 Day: 2**

**Conversion**

WWS# 5 on 8/27/2013 - ND WH, Test Tbg - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$21,164

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**8/28/2013 Day: 3**

**Conversion**

WWS# 5 on 8/28/2013 - Set Packer, Test casing - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg, pkr to 1400 psi for 30 mins. Good. ROMO @ 11:30. - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg, pkr to 1400 psi for 30 mins. Good. ROMO @ 11:30. - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg,

pkR to 1400 psi for 30 mins. Good. ROMO @ 11:30. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$25,006

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**9/3/2013 Day: 4**

**Conversion**

Rigless on 9/3/2013 - Conduct initial MIT - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$57,218

---

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

# Federal 3-28-9-16

Spud Date: 6/22/2009  
 Put on Production: 7/28/2009  
 GL: 6097' KB: 6109'

## Injection Wellbore Diagram

### SURFACE CASING

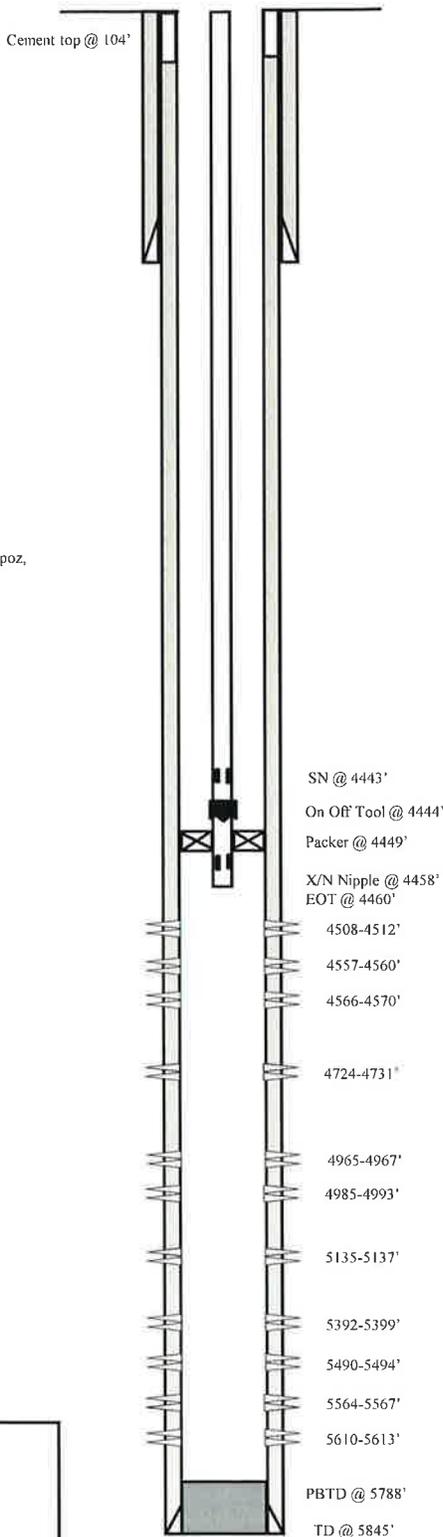
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (269')  
 DEPTH LANDED: 317' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (5821')  
 DEPTH LANDED: 5836'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 296 sx Prem. Lite mixed and 450 sx 50/50 poz,  
 CEMENT TOP AT: 104'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4431.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4443.2' KB  
 ON/OFF TOOL AT: 4444.3'  
 ARROW #1 PACKER CE AT: 4449.52'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4453.69'  
 TBG PUP 2-3/8 J-55 AT: 4454.24'  
 X/N NIPPLE AT: 4458.39'  
 TOTAL STRING LENGTH: EOT @ 4459.9'



### FRAC JOB

7/28/2009 5490-5613' **Frac CP4, CP 3, & CP5 sands as follows:** Frac with 30,556#s of 20/40 sand in 182 bbls of Lightning 17 frac fluid.  
 7/28/2009 4965-5399' **Frac LODC & CP1 sands as follows:** Frac with 30,596#s of 20/40 sand in 159 bbls of Lightning 17 frac fluid.  
 7/28/2009 4724-4731' **Frac B1 sands as follows:** Frac with 14782#s of 20/40 sand in 86 bbls of Lightning 17 frac fluid.  
 7/28/2009 4508-4570' **Frac D1 & D2 sands as follows:** Frac with 100042#s of 20/40 sand in 430 bbls of Lightning 17 frac fluid.  
 3/12/12 **Tubing leak:** Updated rod & tubing detail  
 08/27/13 **Convert to Injection Well**  
 08/29/13 **Conversion MIT Finalized** – update tbg detail

### PERFORATION RECORD

5610-5613'	3 JSFP	9 holes
5564-5567'	3 JSFP	9 holes
5490-5494'	3 JSFP	12 holes
5392-5399'	3 JSFP	21 holes
5135-5137'	3 JSFP	6 holes
4985-4993'	3 JSFP	24 holes
4965-4967'	3 JSFP	6 holes
4724-4731'	3 JSFP	21 holes
4566-4570'	3 JSFP	12 holes
4557-4560'	3 JSFP	9 holes
4508-4512'	3 JSFP	12 holes



**Federal 3-28-9-16**  
 651' FNL & 1801' FWL  
 NE/NW Section 28-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33408; Lease # UTU-74392

<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-74392
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 3-28-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0651 FNL 1810 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 28 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013334080000
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: 10/23/2013	<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 8:30 AM on 10/23/2013.

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

Date: November 25, 2013

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 10/28/2013	

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

January 24, 2013

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

**RECEIVED**

**JAN 25 2013**

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

RE: Permit Application for Water Injection Well  
Federal #3-28-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 28-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #3-28-9-16 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,

Eric Sundberg  
Environmental Manager

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #3-28-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**JANUARY 24, 2013**

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COVER PAGE	
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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well Name and number: Federal #3-28-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74392  
Well Location: QQ NENW section 28 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes  No   
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes  No   
Disposal? . . . . . Yes  No   
Storage? . . . . . Yes  No   
Is this application for a new well to be drilled? . . . . . Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013-33408

Proposed injection interval: from 3806 to 5788  
Proposed maximum injection: rate 500 bpd pressure 1678 psig  
Proposed injection zone contains  oil,  gas, and/or  fresh water within 1/2  
mile of the well.

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

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

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

Name: Eric Sundberg Signature   
Title Environmental Manager Date 1/24/13  
Phone No. (303) 893-0102

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

Comments:

# Federal 3-28-9-16

Spud Date: 6/22/2009  
 Put on Production: 7/28/2009  
 GL: 6097' KB: 6109'

## Proposed Injection Wellbore Diagram

### SURFACE CASING

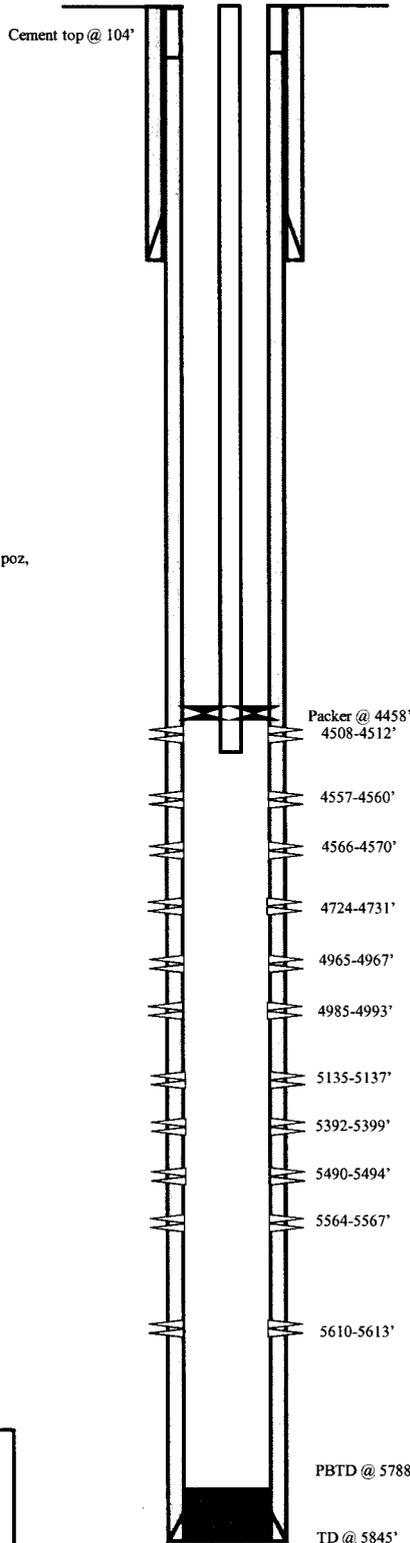
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 DEPTH LANDED: 5836'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 296 sx Prem. Lite mixed and 450 sx 50/50 poz,  
 CEMENT TOP AT: 104'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 177 jts (5570.5')  
 TUBING ANCHOR: 5582.5' KB  
 NO. OF JOINTS: 1 jt (31.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5616.6' KB  
 NO. OF JOINTS: 2 jts (63.3')  
 TOTAL STRING LENGTH: EOT @ 5681'



### FRAC JOB

7/28/2009 5490-5613' **Frac CP4, CP 3, & CP5 sands as follows:** Frac with 30,556#s of 20/40 sand in 182 bbls of Lightning 17 frac fluid.  
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**NEWFIELD**



**Federal 3-28-9-16**  
 651' FNL & 1801' FWL  
 NE/NW Section 28-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33408; Lease # UTU-74392

## **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 #3-28-9-16 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 #3-28-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3806' - 5788'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3502' and the TD is at 5845'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #3-28-9-16 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-74392) 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 317' KB, and 5-1/2", 15.5# casing run from surface to 5836' 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 1678psig.

**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 #3-28-9-16, for existing perforations (4508' - 5613') calculates at 0.79 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 1678 psig. We may add additional perforations between 3502' and 5845'. 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 #3-28-9-16, the proposed injection zone (3806' - 5788') 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-8.

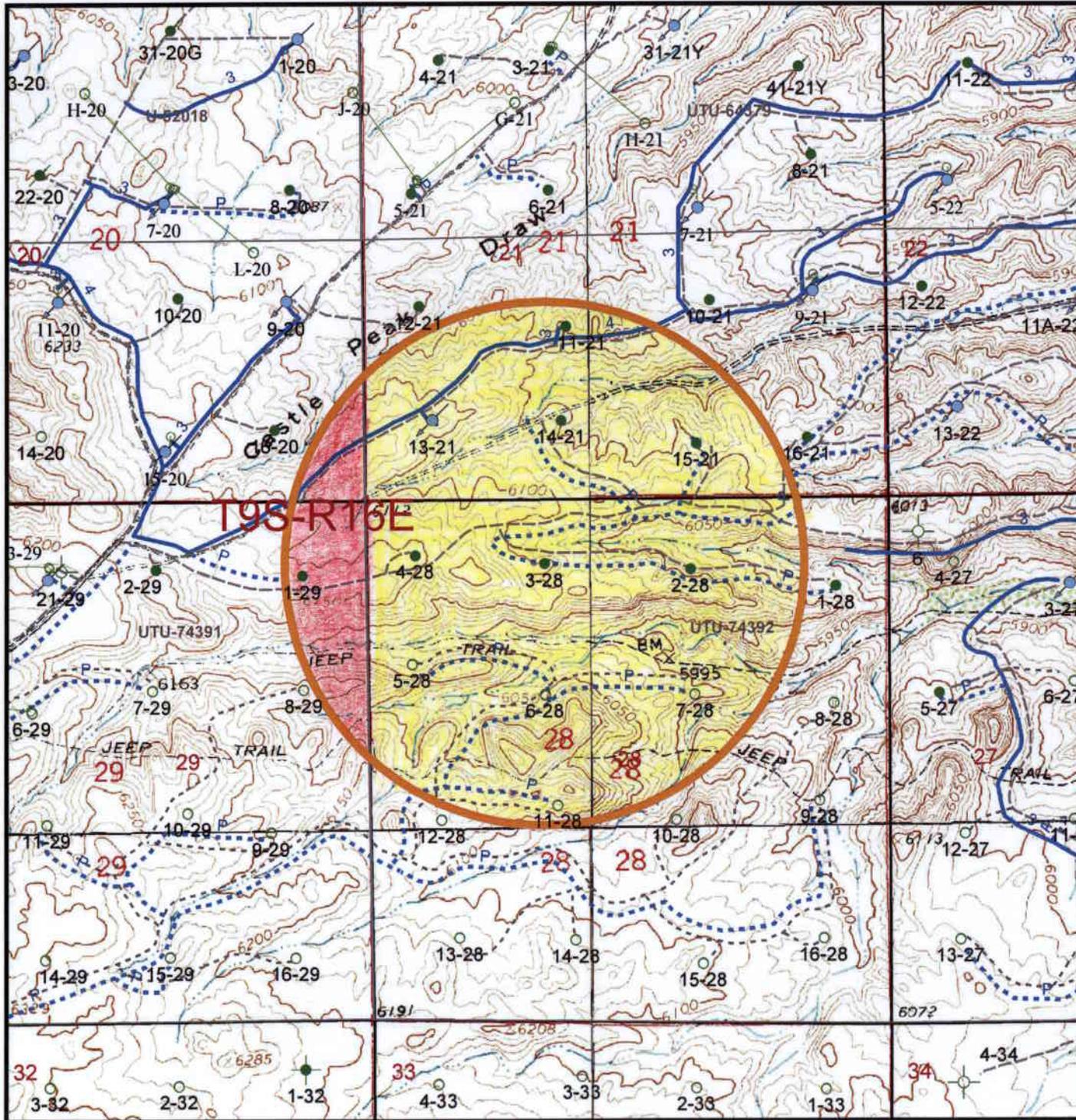
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

UTU-74392

UTU-74391

Federal 3-28  
Section 28, T9S-R16E

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

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

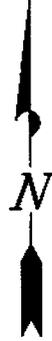
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

December 18, 2012

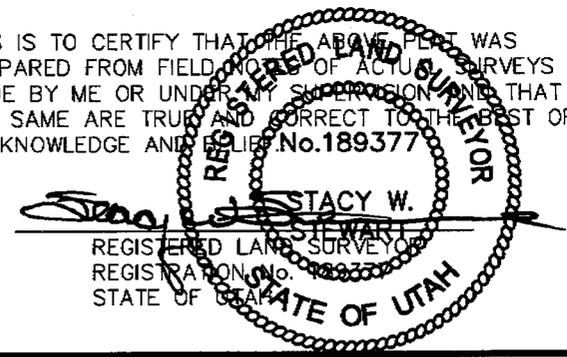
## T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 3-28-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 28, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

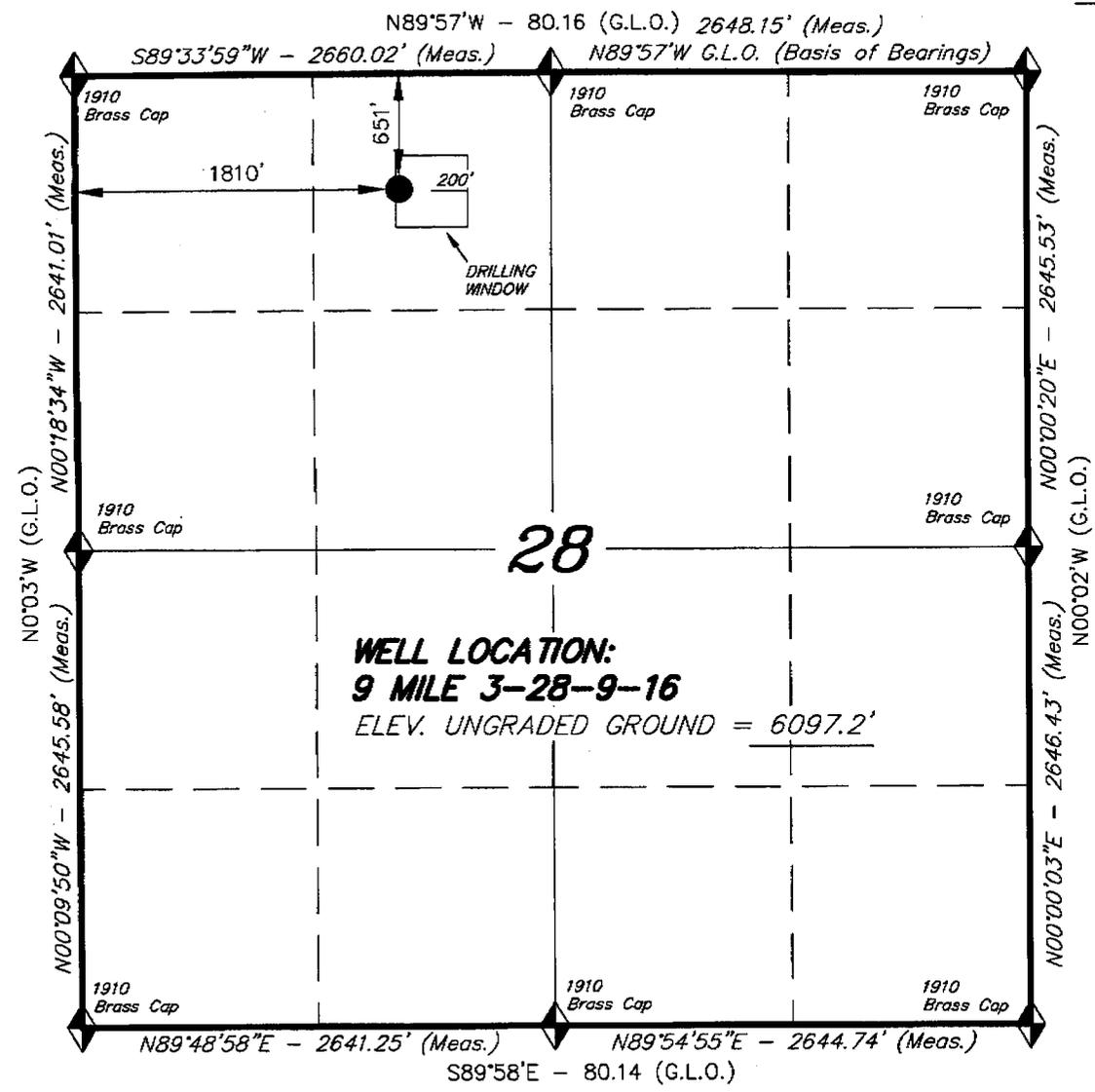


THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF No.189377



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

DATE SURVEYED: 07-08-06	SURVEYED BY: C.M.
DATE DRAWN: 07-12-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



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

**9 MILE 3-28-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 26.49"  
 LONGITUDE = 110° 07' 38.28"

**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #3-28-9-16

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  
Environmental Manager

Sworn to and subscribed before me this 24 day of January, 2013.

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

My Commission Expires: 12/31/15

LYDIA BIONDO  
Notary Public  
State of Colorado

## Federal 3-28-9-16

Spud Date: 6/22/2009  
 Put on Production: 7/28/2009  
 GL: 6097' KB: 6109'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (269')  
 DEPTH LANDED: 317' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (5821')  
 DEPTH LANDED: 5836'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 296 sx Prem. Lite mixed and 450 sx 50/50 poz,  
 CEMENT TOP AT: 104'

#### TUBING

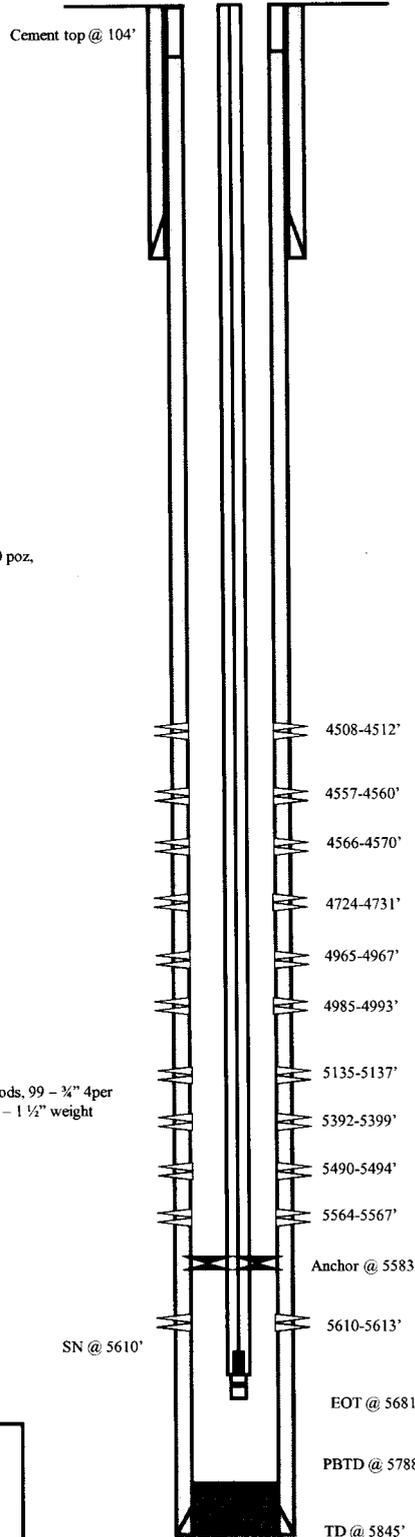
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 177 jts (5570.5')  
 TUBING ANCHOR: 5582.5' KB  
 NO. OF JOINTS: 1 jt (31.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5616.6' KB  
 NO. OF JOINTS: 2 jts (63.3')  
 TOTAL STRING LENGTH: EOT @ 5681'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1 - 2' x 3/4", 1 - 4' x 3/4", 1 - 6' x 3/4" pony rods, 99 - 3/4" 4per guided rods, 95 - 3/4" sucker rods, 23 - 3/4" 4per guided rods, 6 - 1 1/2" weight bar  
 PUMP SIZE: 2-1/2" x 1-1/4" x 18" x 14" x 18"  
 STROKE LENGTH: 86  
 PUMP SPEED - SPM: 4.5

#### FRAC JOB

7/28/2009 5490-5613' **Frac CP4, CP 3, & CP5 sands as follows:** Frac with 30,556#s of 20/40 sand in 182 bbls of Lightning 17 frac fluid.  
 7/28/2009 4965-5399' **Frac LODC & CP1 sands as follows:** Frac with 30,596#s of 20/40 sand in 159 bbls of Lightning 17 frac fluid.  
 7/28/2009 4724-4731' **Frac B1 sands as follows:** Frac with 14782#s of 20/40 sand in 86 bbls of Lightning 17 frac fluid.  
 7/28/2009 4508-4570' **Frac D1 & D2 sands as follows:** Frac with 100042#s of 20/40 sand in 430 bbls of Lightning 17 frac fluid.  
 3/12/12 **Tubing leak:** Updated rod & tubing detail



#### PERFORATION RECORD

5610-5613'	3 JSPF	9 holes
5564-5567'	3 JSPF	9 holes
5490-5494'	3 JSPF	12 holes
5392-5399'	3 JSPF	21 holes
5135-5137'	3 JSPF	6 holes
4985-4993'	3 JSPF	24 holes
4965-4967'	3 JSPF	6 holes
4724-4731'	3 JSPF	21 holes
4566-4570'	3 JSPF	12 holes
4557-4560'	3 JSPF	9 holes
4508-4512'	3 JSPF	12 holes

**NEWFIELD**



**Federal 3-28-9-16**

651' FNL & 1801' FWL

NE/NW Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33408; Lease # UTU-74392

## Federal 2-28-9-16

Spud Date: 6/21/2009  
Put on Production: 7/17/2009

GL: 6029' KB: 6041'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (273.63')  
DEPTH LANDED: 323.53' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx class 'G' cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5763.32')  
DEPTH LANDED: 5817.48'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sx Prem Lite II and 400 sx 50/50 poz  
CEMENT TOP AT: 170'

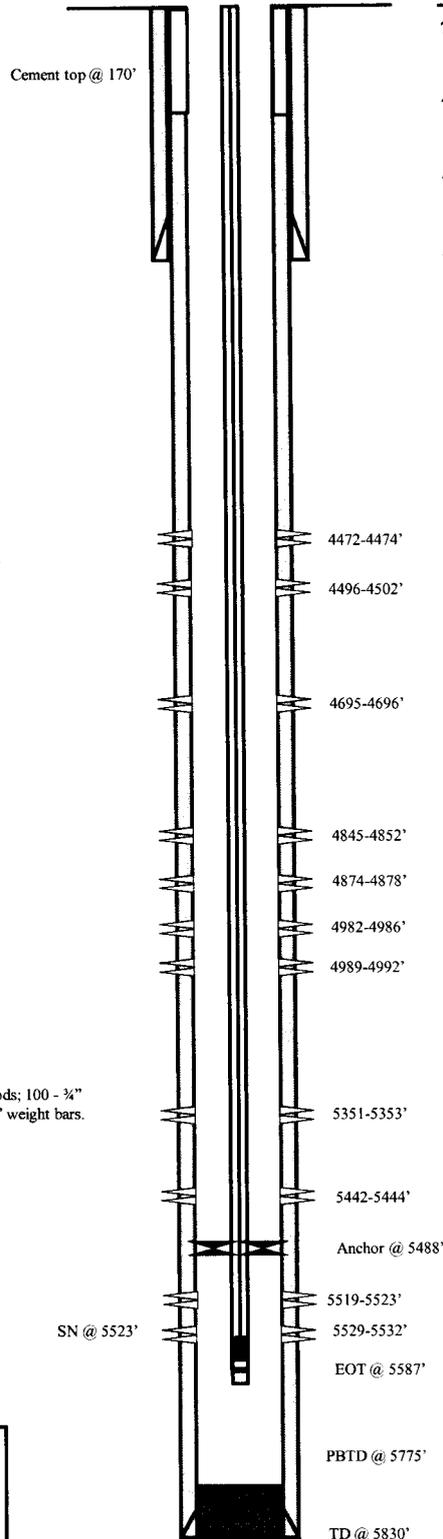
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 174 jts (5476.2')  
TUBING ANCHOR: 5488' KB  
NO. OF JOINTS: 1 jt (31.5')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 5522.5' KB  
NO. OF JOINTS: 2 jts (63.1')  
TOTAL STRING LENGTH: EOT @ 5587'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
SUCKER RODS: 1 - 4' x 3/4", 1 - 6' x 3/4", 1 - 8' x 3/4" pony rods; 100 - 3/4" guided rods; 94 - 3/4" sucker rods; 20 - 3/4" guided rods; 6 - 1 1/2" weight bars.  
PUMP SIZE: 2 1/2" x 1 1/2" x 20' RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 5

### Wellbore Diagram



### FRAC JOB

7-20-09 5351-5532' **Frac CP1, CP3 & CP4 sands as follows:**  
Frac with 26,410# 20/40 sand in 211 bbls of Lightning 17 fluid.

7-20-09 4982-4992' **Frac LODC sands as follows:**  
Frac with 19,985# 20/40 sand in 178 bbls of Lightning 17 fluid.

7-20-09 4695-4878' **Frac A3 & B1 sands as follows:**  
Frac with 131605# 20/40 sand in 473 bbls of Lightning 17 fluid.

7-20-09 4472-4502' **Frac D1 sands as follows:**  
Frac with 22644# 20/40 sand in 180 bbls of Lightning 17 fluid.

### PERFORATION RECORD

5529-5532'	3 JSPF	9 holes
5519-5523'	3 JSPF	12 holes
5442-5444'	3 JSPF	6 holes
5351-5353'	3 JSPF	6 holes
4989-4992'	3 JSPF	9 holes
4982-4986'	3 JSPF	12 holes
4874-4878'	3 JSPF	12 holes
4845-4852'	3 JSPF	21 holes
4695-4696'	3 JSPF	3 holes
4496-4502'	3 JSPF	18 holes
4472-4474'	3 JSPF	6 holes

**NEWFIELD**



**Federal 2-28-9-16**

716' FNL & 2019' FEL NW/NE

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33409; Lease # UTU-74390

## Federal 4-28-9-16

Spud Date: 6/24/2009  
 Put on Production: 8/7/2009  
 GL: 6157' KB: 6169'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (267.77')  
 DEPTH LANDED: 316.80' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 150 jts (5833.3')  
 DEPTH LANDED: 5885.91'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Prem Lite and 400 sx 50/50 Poz  
 CEMENT TOP AT: 160'

#### TUBING

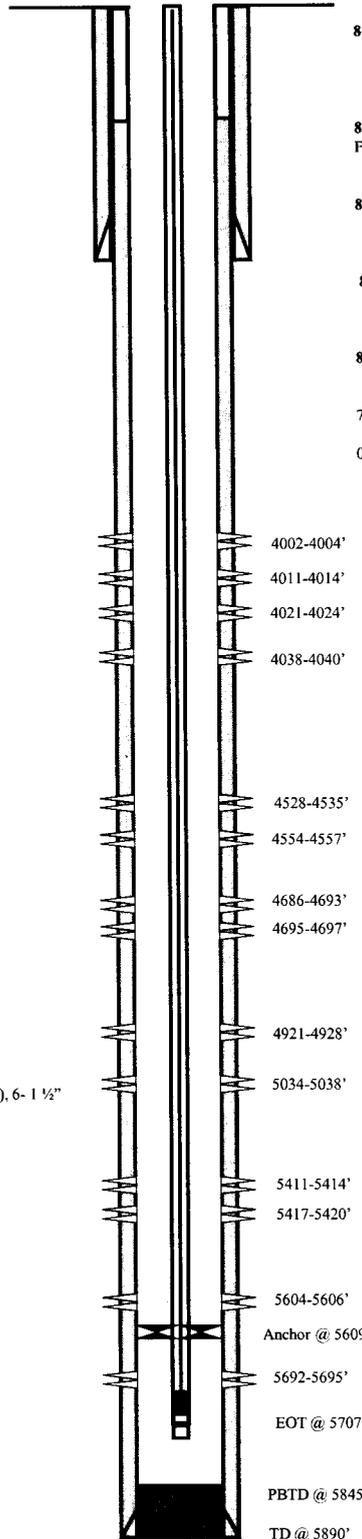
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jts (5597')  
 TUBING ANCHOR: 5609' KB  
 NO. OF JOINTS: 1 jt (31.4')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5643' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5707'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 30'  
 SUCKER RODS: 1- 6', 4' x 3/4" pony rod, 219-3/4" guided rods (4 per), 6- 1 1/2" sinker bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 20' RHAC  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4.5

#### FRAC JOB

8-7-09	5411-5695'	Frac CP1, CP4, & CP5 sands as follows: Frac with 20,0331#s of 20/40 sand in 120 bbls of Lightning 17 frac fluid.
8-7-09	4921-5038'	Frac LODC & A1 sands as follows: 20/40 sand in 240 bbls of Lightning 17 frac fluid.
8-7-09	4686-4697'	Frac C sands as follows: Frac with 75,264#s of 20/40 sand in 317 bbls of Lightning 17 frac fluid.
8-7-09	4528-4557'	Frac D1 sands as follows: Frac with 50,682#s of 20/40 sand in 215 bbls of Lightning 17 frac fluid.
8-7-09	4002-4040'	Frac GB4 sands as follows: Frac with 86,985#s of 20/40 sand in 379 bbls of Lightning 17 frac fluid.
	7/16/2010	Parted rods. Updated rod and tubing detail.
	03/12/11	Pump Change Rod & tubing updated.



4002-4004'

4011-4014'

4021-4024'

4038-4040'

4528-4535'

4554-4557'

4686-4693'

4695-4697'

4921-4928'

5034-5038'

5411-5414'

5417-5420'

5604-5606'

Anchor @ 5609'

5692-5695'

EOT @ 5707'

PBTD @ 5845'

TD @ 5890'

#### PERFORATION RECORD

5692-5695'	3 JSPF	9 holes
5604-5606'	3 JSPF	6 holes
5417-5420'	3 JSPF	9 holes
5411-5414'	3 JSPF	9 holes
5034-5038'	3 JSPF	12 holes
4921-4928'	3 JSPF	21 holes
4695-4697'	3 JSPF	6 holes
4686-4693'	3 JSPF	21 holes
4554-4557'	3 JSPF	9 holes
4528-4535'	3 JSPF	21 holes
4038-4040'	3 JSPF	6 holes
4021-4024'	3 JSPF	9 holes
4011-4014'	3 JSPF	9 holes
4002-4004'	3 JSPF	6 holes

**NEWFIELD**



**Federal 4-28-9-16**

560' FNL & 494' FWL NW/NW

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33407; Lease # UTU-74392

## Federal 1-29-9-16

Spud Date: 4/20/2009  
 Put on Production: 7/24/2009  
 GL: 6171' KB: 6183'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (269')  
 DEPTH LANDED: 320' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g' cmt

#### PRODUCTION CASING

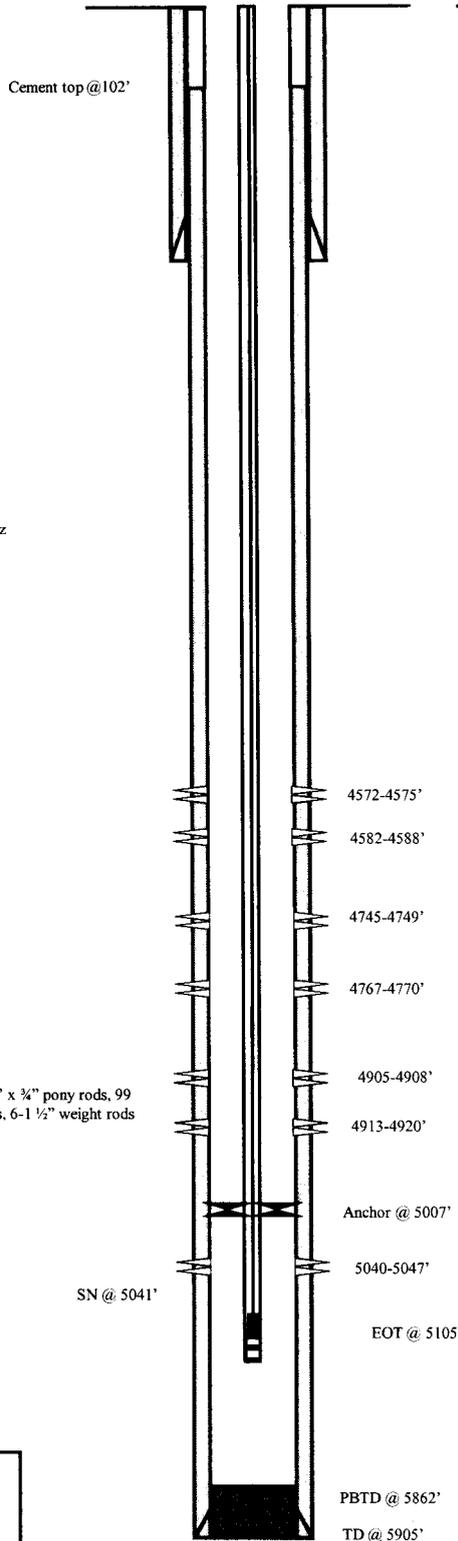
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (5904')  
 DEPTH LANDED: 5904.02'  
 CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz  
 CEMENT TOP AT: 102'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 159 jts (4995')  
 TUBING ANCHOR: 5007' KB  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5041' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5105'

#### SUCKER RODS

POLISHED ROD: 1- 1/2" x 26'  
 SUCKER RODS: 1- 2' x 3/4"; 1- 4' x 3/4"; 1- 6' 3/4"; 1- 8' x 3/4" pony rods, 99 - 3/4" guided rods, 75 - 3/4" sucker rods, 20 - 3/4" guided rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2 1/2" x 1 1/2" x 17' RHAC  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 5



#### FRAC JOB

7-24-09	5040-5047'	<b>Frac LODC sands as follows:</b> Frac with 44,434# 20/40 sand in 204 bbls of Lightning 17 fluid.
7-24-09	4905-4920'	<b>Frac A1 sands as follows:</b> Frac with 115222# 20/40 sand in 483 bbls of Lightning 17 fluid.
7-24-09	4745-4770'	<b>Frac B1 &amp; B.5 sands as follows:</b> Frac with 14402# 20/40 sand in 88 bbls of Lightning 17 fluid.
7-24-09	4572-4588'	<b>Frac D2 sands as follows:</b> Frac with 67875# 20/40 sand in 296 bbls of Lightning 17 fluid.

#### PERFORATION RECORD

5040-5047'	3 JSPF	21 holes
4913-4920'	3 JSPF	21 holes
4905-4908'	3 JSPF	9 holes
4767-4770'	3 JSPF	9 holes
4745-4749'	3 JSPF	12 holes
4582-4588'	3 JSPF	18 holes
4572-4575'	3 JSPF	9 holes

**NEWFIELD**

**Federal 1-29-9-16**

758' FNL & 655' FEL NE/NE  
 Section 29-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33423; Lease # UTU-74391

## Federal 11-21-9-16

Spud Date: 7-04-07  
 Put on Production: 8-06-07  
 GL: 6040' KB: 6052'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.74')  
 DEPTH LANDED: 321.59' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (6017.88')  
 DEPTH LANDED: 6031.13' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 223'

#### TUBING

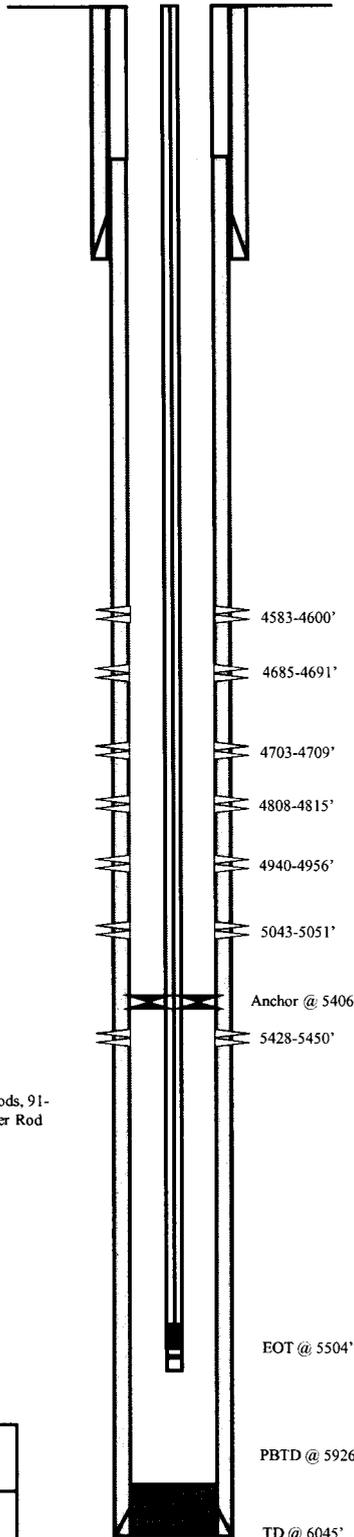
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5405.76')  
 TUBING ANCHOR: 5406' KB  
 NO. OF JOINTS: 1 jts (31.54')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5440.1' KB  
 NO. OF JOINTS: 2 jts (63.10')  
 TOTAL STRING LENGTH: EOT @ 5504' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-2', 1-4', & 1-8' x 3/4" pony rods, 100- 3/4" guided rods, 91- 3/4" guided rods, 20- 3/4" guided rods, 6- 1/2" sinker bars, 1-1" Stabilizer Rod  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC w/SM plunger  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 4.5 SPM

#### FRAC JOB

08-01-07	5428-5450'	<b>Frac CP1 sands as follows:</b> 99480# 20/40 sand in 758 bbls Lightning 17 frac fluid. Treated @ avg press of 2388 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 5426 gal. Actual flush: 4839 gal.
08-01-07	5043-5051'	<b>Frac LODC sands as follows:</b> 24293# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2280 psi w/avg rate of 24.9 BPM. ISIP 2492 psi. Calc flush: 5041 gal. Actual flush: 4524 gal.
08-01-07	4940-4956'	<b>Frac A3 sands as follows:</b> 70072# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.9 BPM. ISIP 2368 psi. Calc flush: 4938 gal. Actual flush: 4431 gal.
08-01-07	4808-4815'	<b>Frac B2 sand as follows:</b> 14168# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 2415 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4806 gal. Actual flush: 4301 gal.
08-01-07	4685-4709'	<b>Frac C sand as follows:</b> 19350# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated @ avg press of 1870 w/ avg rate of 24.8 BPM. ISIP 1717 psi. Calc flush: 4683 gal. Actual flush: 4179 gal.
08-01-07	4583-4600'	<b>Frac D2 sand as follows:</b> 112592# 20/40 sand in 813 bbls Lightning 17 frac fluid. Treated @ avg press of 1600 w/ avg rate of 24.7 BPM. ISIP 1750 psi. Calc flush: 4581 gal. Actual flush: 4494 gal.
12/18/08 05/25/11		Stuck Pump. Updated rod & tubing details. Parted Rods Rod & tubing updated.



#### PERFORATION RECORD

07-24-07	5428-5450'	4 JSPF	22 holes
08-01-07	5043-5051'	4 JSPF	32 holes
08-01-07	4940-4956'	4 JSPF	64 holes
08-01-07	4808-4815'	4 JSPF	28 holes
08-01-07	4703-4709'	4 JSPF	24 holes
08-01-07	4685-4691'	4 JSPF	24 holes
08-01-07	4583-4600'	4 JSPF	68 holes

**NEWFIELD**

**Federal 11-21-9-16**

1742' FSL & 2052' FWL  
 NE/SW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33144; Lease # UTU-74392

Federal 12-21-9-16

Spud Date: 7-30-07  
 Put on Production: 8-28-07  
 GL: 6054' KB: 6066'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.22')  
 DEPTH LANDED: 313.23' 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: 149 jts (6047.38')  
 DEPTH LANDED: 6061.02' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 152'

**TUBING**

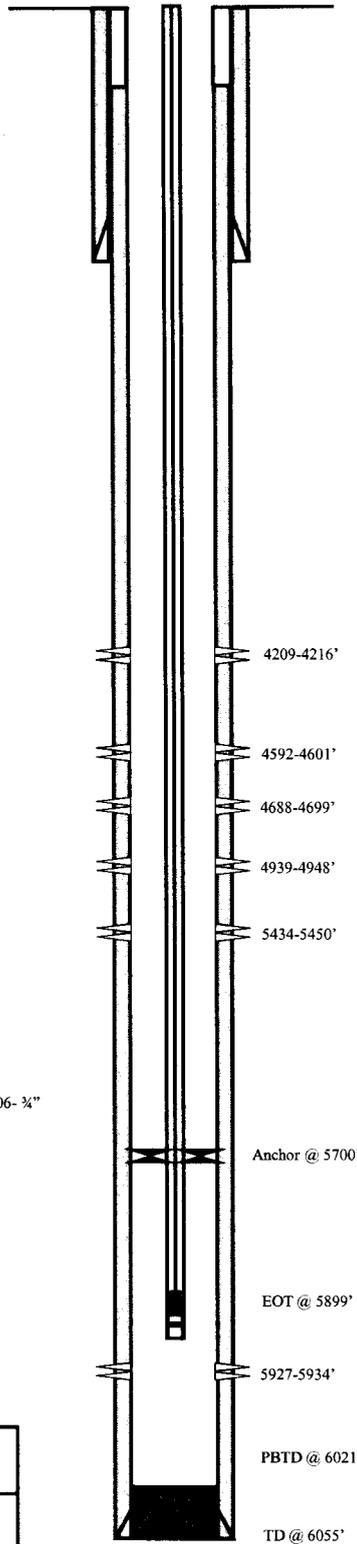
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5688.)  
 TUBING ANCHOR: 5700.' KB  
 NO. OF JOINTS: 2 jts (63.00')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5766.' KB  
 NO. OF JOINTS: 1 jts (31.50')  
 GAS ANCHOR: 5799  
 NO. OF JOINTS: 3 jts (94.6)  
 TOTAL STRING LENGTH: EOT @ 5899' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4', 1-8' X 3/4" Pony Rods, 99- 3/4" guided rods, 106- 3/4" plain rods, 19- 3/4" guided rods, 6-1 1/2" sinker bars.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

**FRAC JOB**

08-24-07	5927-5934'	<b>Frac BSLS sands as follows:</b> 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
08-24-07	5434-5450'	<b>Frac CP1 sands as follows:</b> 70328# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
08-24-07	4939-4948'	<b>Frac A3 sands as follows:</b> 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
08-24-07	4688-4699'	<b>Frac C sand as follows:</b> 47661# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 1903 w/ avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
08-24-07	4592-4601'	<b>Frac D2 sand as follows:</b> 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 1687 w/ avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
08-24-07	4209-4216'	<b>Frac pb8 sand as follows:</b> 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated @ avg press of 2218 w/ avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.
12-12-07		Pump Change. Updated rod & tubing details.
10/26/09		Pump Change. Updated rod & tubing details.
10/14/11		Pump Change. Updated rod & tubing details.



**PERFORATION RECORD**

08-20-07	5927-5934'	4 JSPF	28 holes
08-24-07	5434-5450'	4 JSPF	64 holes
08-24-07	4939-4948'	4 JSPF	36 holes
08-24-07	4688-4699'	4 JSPF	44 holes
08-24-07	4592-4601'	4 JSPF	36 holes
08-24-07	4209-4216'	4 JSPF	28 holes

**NEWFIELD**

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**Federal 12-21-9-16**  
 1952' FSL & 557' FWL  
 NW/SW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33143; Lease # UTU-74392

## Federal 13-21-9-16

Spud Date: 4-30-07  
 Put on Production: 7-30-07  
 GL: 6105' KB: 6117'

### Injection Wellbore Diagram

#### SURFACE CASING

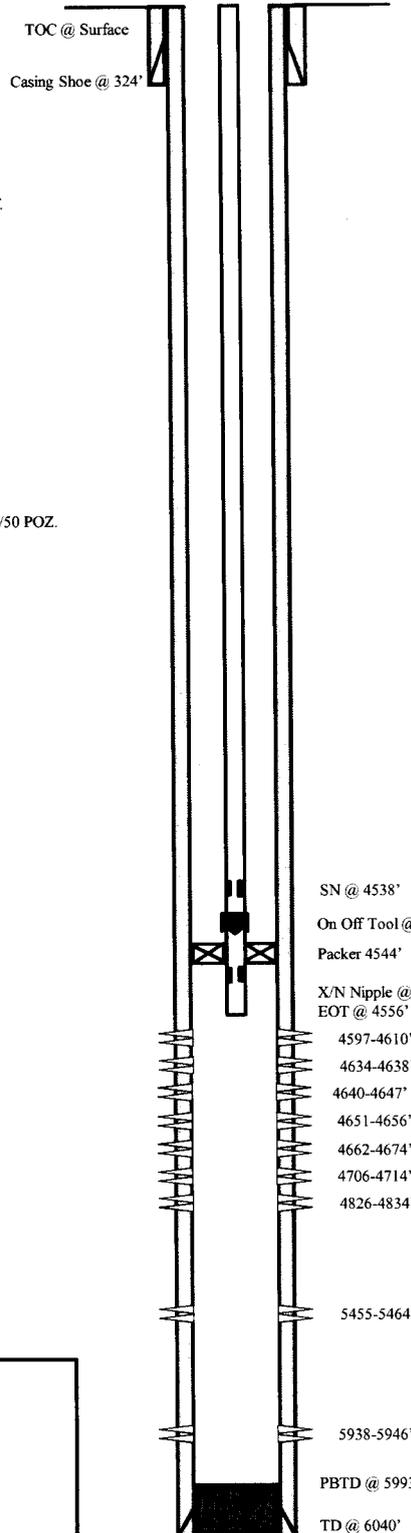
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts ( 312.15')  
 DEPTH LANDED: 324.01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (6025.88')  
 DEPTH LANDED: 6039.13' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: surface.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 144 jts. (4526.0')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4538'  
 ON/OFF TOOL AT: 4539.1'  
 ARROW #1 PACKER CE AT: 4544.37'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4548.1'  
 TBG PUP 2-3/8 J-55 AT: 4548.7'  
 X/N NIPPLE AT: 4554.8'  
 TOTAL STRING LENGTH: EOT @ 4556'



#### FRAC JOB

7-25-07 5938-5946' **Frac BSC sands as follows:**  
 14827# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1898 psi w/avg rate of 24.8 BPM. ISIP 1983 psi. Calc flush: 5936 gal. Actual flush: 5418 gal.

7-25-07 5455-5464' **Frac CPI sands as follows:**  
 152957# 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2098 psi w/avg rate of 24.7 BPM. ISIP 2085 psi. Calc flush: 5453 gal. Actual flush: 4914 gal.

7-26-07 4826-4834' **Frac B2 sands as follows:**  
 45217# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2144 psi w/avg rate of 28.1 BPM. ISIP 2377 psi. Calc flush: 4824 gal. Actual flush: 4368 gal.

7-26-07 4706-4714' **Frac C sands as follows:**  
 42292# 20/40 sand in 354 bbls Lightning 17 frac fluid. 24.8 BPM. ISIP 1463 psi.

2-19-08 **Pump Change.** Updated rod & tubing details.

05/15/09 **Recompletion.**

05/15/09 4597-4610' **Frac D3 & D2 sands as follows:**  
 124935# 20/40 sand in 1196 bbls Lightning 17 frac fluid. 26 BPM. ISIP 1764 psi.

04/19/10 **Tubing Leak.** Rod & Tubing Updated.

03/24/11 **Tubing Leak.** Rod & tubing details updated.

12/22/11 **Tubing Leak:** Rod & tubing details updated.

10/26/12 **Convert to Injection Well**

10/30/12 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

Date	Interval	Tool	Holes
7-18-07	5938-5946'	4 JSPF	32 holes
7-25-07	5455-5464'	4 JSPF	36 holes
7-25-07	4826-4834'	4 JSPF	32 holes
7-26-07	4706-4714'	4 JSPF	32 holes
5-16-09	4662-4674'	4 JSPF	48 holes
5-16-09	4651-4656'	4 JSPF	20 holes
5-16-09	4640-4647'	4 JSPF	28 holes
5-16-09	4634-4638'	4 JSPF	16 holes
5-16-09	4597-4610'	4 JSPF	52 holes



**NEWFIELD**

**Federal 13-21-9-16**  
 811' FSL & 687' FWL  
 SW/SW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33142; Lease #UTU-74392

## Federal 14-21-9-16

Spud Date: 6-22-07  
 Put on Production: 7-27-07  
 GL: 6052' KB: 6064'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts ( 311.59')  
 DEPTH LANDED: 323.44' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts. (6006.31')  
 DEPTH LANDED: 6019.56' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 332'

#### TUBING

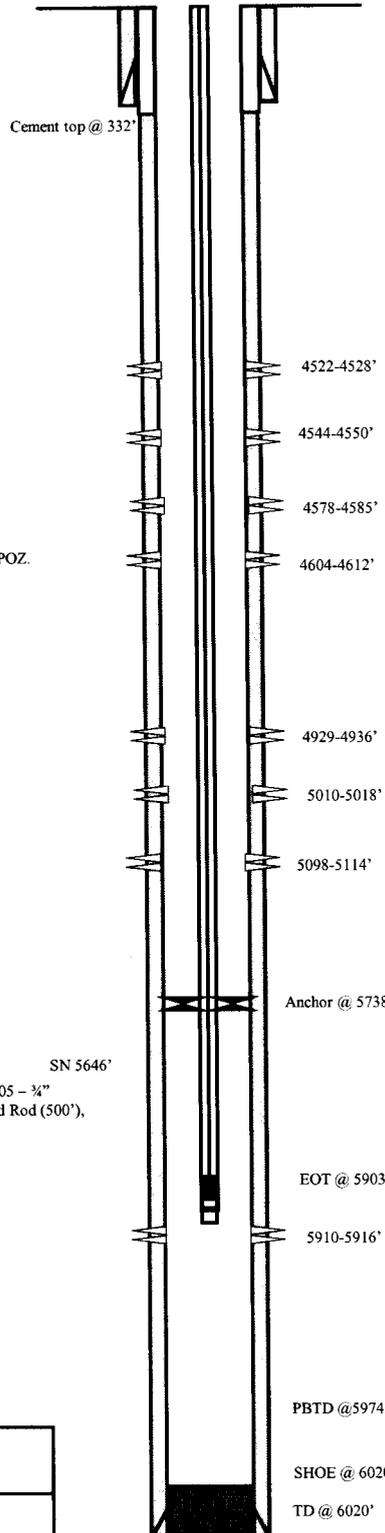
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 184 jts (5726.1')  
 TUBING ANCHOR: 5738.1' KB  
 NO. OF JOINTS: 1 jts (31.1')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5771.9' KB  
 NO. OF JOINTS: 1 jts (31.5')  
 NO. OF JOINTS: 3 jts (92.9')  
 TOTAL STRING LENGTH: EOT @ 5903' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SN 5646'  
 SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 1 - 3/4" x 8' Pony Rod, 105 - 3/4"  
 Guided Rod (2625'), 99 - 3/4" Sucker Rod (2475'), 20 - 3/4" Guided Rod (500'),  
 6 - 1 1/2" Sinker Bar (150').  
 PUMP SIZE: 2-1/2" x 1-1/4" x 9' x 18' x 22' VSP  
 STROKE LENGTH: 120"  
 PUMP SPEED, 4.5 SPM

#### FRAC JOB

7-23-07	5910-5916'	<b>Frac BSC sands as follows:</b> 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.
7-23-07	5098-5114'	<b>Frac LODC sands as follows:</b> 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.
7-23-07	5010-5018'	<b>Frac LODC sands as follows:</b> 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.
7-24-07	4522-4604'	<b>Frac D1, D1, D2, D3 sands as follows:</b> 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.
04/04/08 2/27/12		<b>Pump Change.</b> Rod & Tubing detail updated Parted Rods. Updated rod & tubing detail.



#### PERFORATION RECORD

7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

**NEWFIELD**

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**Federal 14-21-9-16**

797' FSL & 1993' FWL  
 SE/SW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33141; Lease #UTU-74392

## Federal 15-21-9-16

Spud Date: 5-16-07  
 Put on Production: 7-13-07  
 GL: 6043' KB: 6055'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309.22')  
 DEPTH LANDED: 319.22'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 5 bbls to surf.

#### PRODUCTION CASING

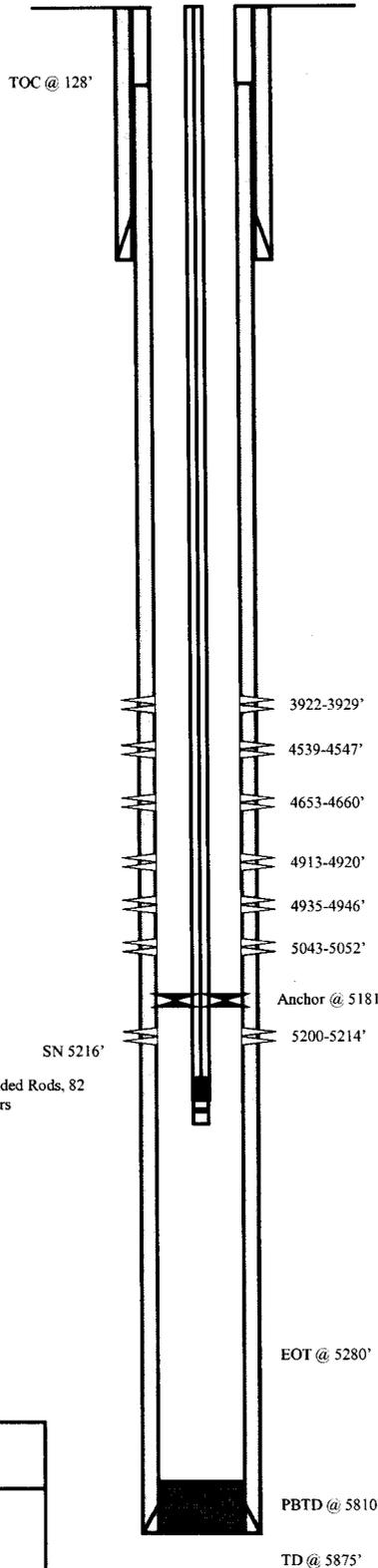
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts (5858.44)  
 DEPTH LANDED: 5855.44'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premilite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 128' per CBL 7/2/07

#### TUBING (KS 10/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 164 jts (5169.2')  
 TUBING ANCHOR: 5181.2'  
 NO. OF JOINTS: 1 jts (31.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5215.6'  
 NO. OF JOINTS: 2 jts (63.3')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 5280'

#### SUCKER RODS (KS 10/21/10)

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 2', 4', 6', 8' x 3/8" Pony Rods, 99 x 3/8" 4per Guided Rods, 82 x 3/8" Sucker Rods, 20 x 3/8" 4per Guided Rods, 6 x 1-1/2" Sinker Bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4  
 PUMPING UNIT: NATIONAL C-160-173-74



#### FRAC JOB

07-05-07	5200-5214'	<b>Frac LODC sands as follows:</b> 49991# 20/40 sand in 493 bbls Lightning 17 frac fluid. Treated @ avg press of 2442 psi w/avg rate of 24.5 BPM. ISIP 2660 psi. Calc flush: 5198 gal. Actual flush: 4796 gal.
07-06-07	5043-5052'	<b>Frac LODC sands as follows:</b> 44714# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 2384 psi w/avg rate of 24.3 BPM. ISIP 2743 psi. Calc flush: 5041 gal. Actual flush: 4578 gal.
07-06-07	4913-4946'	<b>Frac A3 sands as follows:</b> 80345# 20/40 sand in 626 bbls Lightning 17 frac fluid. Treated @ avg press of 1776 psi w/avg rate of 24.6 BPM. ISIP 2172 psi. Calc flush: 4911 gal. Actual flush: 4406 gal.
07-06-07	4653-4660'	<b>Frac C sand as follows:</b> 14684# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1891 w/ avg rate of 24.5 BPM. ISIP 1694 psi. Calc flush: 4651 gal. Actual flush: 4187 gal.
07-06-07	4539-4547'	<b>Frac D1 sand as follows:</b> 35061# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 w/ avg rate of 24.6 BPM. ISIP 1813 psi. Calc flush: 4537 gal. Actual flush: 3990 gal.
07-07-07	3922-3929'	<b>Frac GB2 sand as follows:</b> 20191# 20/40 sand in 288 bbls Lightning 17 frac fluid. Treated @ avg press of 1587 w/ avg rate of 24.7 BPM. ISIP 1651 psi. Calc flush: 3920 gal. Actual flush: 3864 gal.
	11/1/08	Pump Change. Updated rod & tubing details.
	1/15/2010	Pump Change. Updated rod and tubing detail.
	4/24/2010 10/26/10	Pump change. Updated rod and tubing detail. Pump Change. Rod & Tubing detail updated.

#### PERFORATION RECORD

06-15-07	5200-5214'	4 JSPF	56 holes
06-22-07	5043-5052'	4 JSPF	36 holes
06-22-07	4935-4946'	4 JSPF	44 holes
06-22-07	4913-4920'	4 JSPF	28 holes
06-22-07	4653-4660'	4 JSPF	28 holes
06-22-07	4539-4547'	4 JSPF	32 holes
06-22-07	3922-3929'	4 JSPF	28 holes

**NEWFIELD**

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**Federal 15-21-9-16**

559' FSL & 1954' FEL

SW/SE Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33164; Lease # UTU-74392

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **SWDIF**  
 Sample Point: **After Filter**  
 Sample Date: **12/4/2012**  
 Sample ID: **WA-229142**

Sales Rep: **Michael McBride**  
 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:	12/5/2012	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120.00	Potassium (K):	11.00	Sulfate (SO4):	120.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	26.00	Bicarbonate (HCO3):	366.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	46.20	Carbonate (CO3):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.17	Propionic Acid (C2H5COO)	
pH:	6.80	Iron (Fe):	0.13	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	2304.49	Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	15.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.04	Silica (SiO2):	
H2S in Water (mg/L):	2.50				

Notes:  
 9:30

(PTB = Pounds per Thousand Barrels)

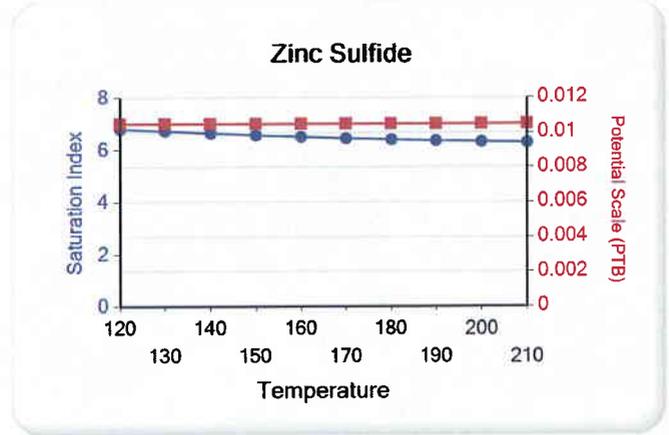
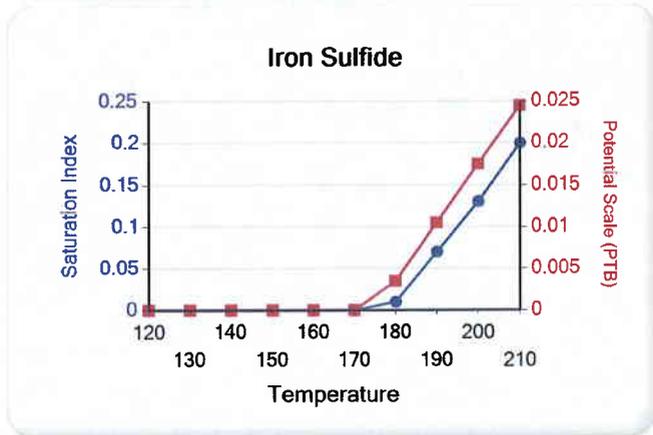
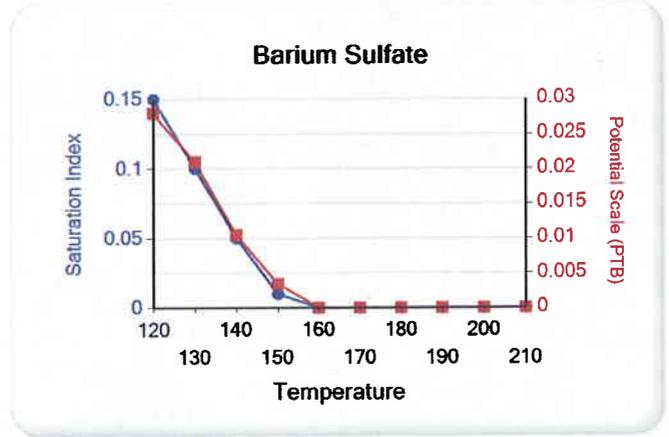
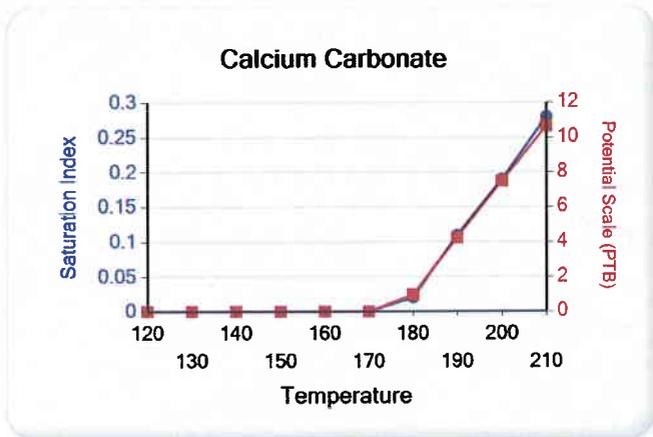
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4.2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

Water Analysis Report

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

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

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



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Michael McBride**

Well Name: **FEDERAL 3-28-9-16**

Lab Tech: **Layne Wilkerson**

Sample Point: **Treater JIII**

Sample Date: **12/21/2012**

Sample ID: **WA-230385**

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:	12/26/2012	Sodium (Na):	6735.64	Chloride (Cl):	10000.00
System Temperature 1 (°F):	120.00	Potassium (K):	66.00	Sulfate (SO4):	85.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	23.00	Bicarbonate (HCO3):	1073.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	71.00	Carbonate (CO3):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.010	Barium (Ba):	14.00	Propionic Acid (C2H5COO)	
pH:	9.00	Iron (Fe):	29.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	18098.55	Zinc (Zn):	0.10	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.01	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	1.80	Silica (SiO2):	
H2S in Water (mg/L):	5.00				

Notes:

(PTB = Pounds per Thousand Barrels)

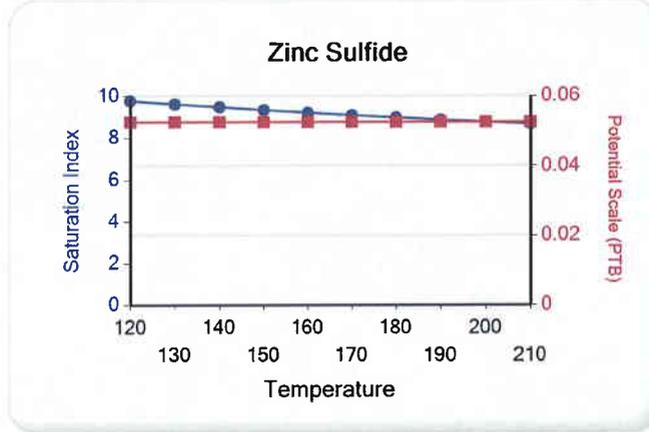
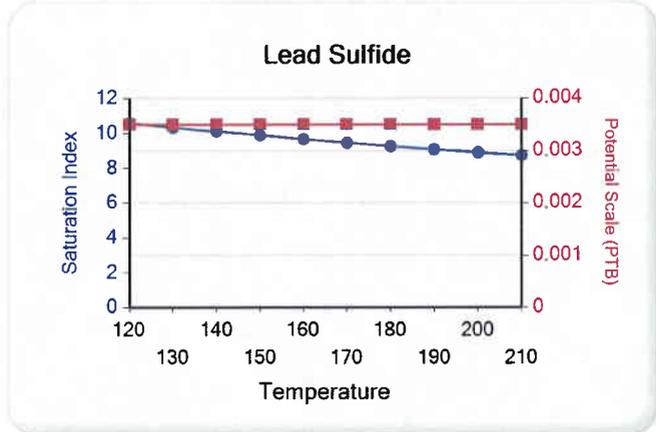
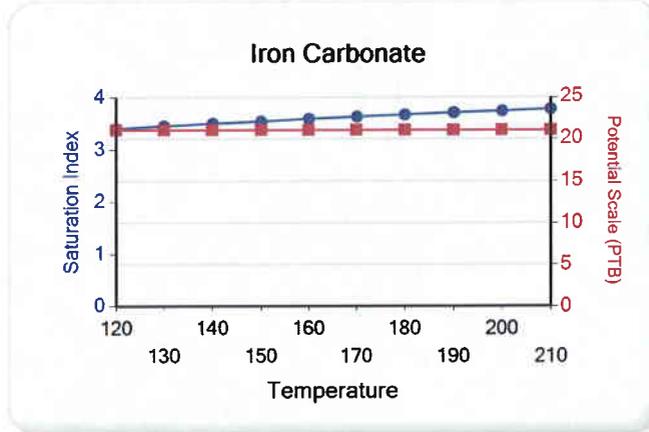
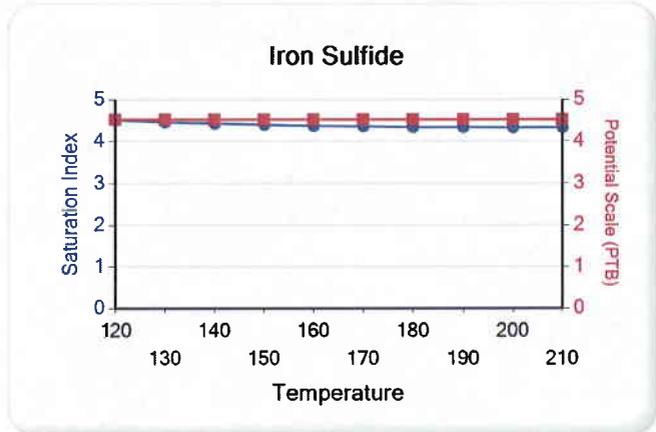
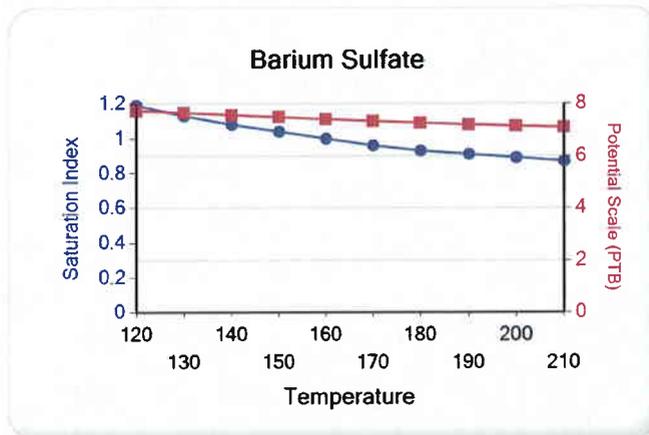
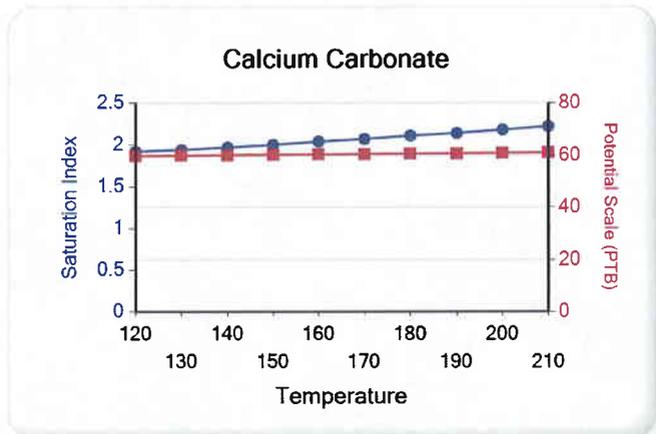
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	2.22	60.96	0.87	7.09	4.33	4.52	3.78	21.09	0.00	0.00	0.00	0.00	0.00	0.00	8.67	0.05
200.00	60.00	2.18	60.84	0.89	7.14	4.33	4.52	3.74	21.08	0.00	0.00	0.00	0.00	0.00	0.00	8.77	0.05
190.00	60.00	2.14	60.71	0.91	7.20	4.34	4.52	3.71	21.08	0.00	0.00	0.00	0.00	0.00	0.00	8.87	0.05
180.00	60.00	2.11	60.57	0.93	7.26	4.34	4.52	3.67	21.08	0.00	0.00	0.00	0.00	0.00	0.00	8.98	0.05
170.00	60.00	2.07	60.43	0.96	7.33	4.36	4.52	3.63	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.05
160.00	60.00	2.04	60.28	1.00	7.41	4.37	4.52	3.59	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.21	0.05
150.00	60.00	2.00	60.13	1.04	7.48	4.40	4.52	3.54	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.34	0.05
140.00	60.00	1.97	59.97	1.08	7.57	4.43	4.52	3.50	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.48	0.05
130.00	60.00	1.94	59.82	1.13	7.65	4.46	4.52	3.45	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.62	0.05
120.00	60.00	1.92	59.66	1.19	7.73	4.51	4.52	3.40	21.08	0.00	0.00	0.00	0.00	0.00	0.00	9.77	0.05

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.06	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.06	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.06	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.06	9.26	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	1.09	0.06	9.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.06	9.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.06	9.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.06	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.05	10.33	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	0.59	0.05	10.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00

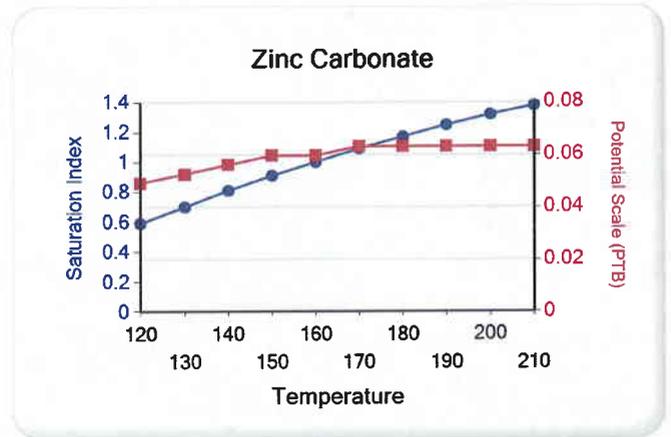
Water Analysis Report

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

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



Water Analysis Report



**Attachment "G"**

**Federal #3-28-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5490	5613	5552	1980	0.79	1944
4965	5399	5182	2258	0.89	2226
4724	4731	4728	1709	0.79	1678 ←
4508	4570	4539	1780	0.83	1751
				<b>Minimum</b>	<u><u>1678</u></u>

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

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

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

**Daily Activity Report****Format For Sundry****FEDERAL 3-28-9-16****5/1/2009 To 9/30/2009****7/22/2009 Day: 1****Completion**

Rigless on 7/22/2009 - MIRUSU. Drilling packer. - MIRUSU. Instal Schefer BOP's. PU 4-3/4" rock bit & x-over sub. Tally, pickup & TIH w/ new J-55, 6.5#, 8 EUE, 2-7/8" tbg to tag cement @ 2785'. RU swivel, pump & tanks. Drlg out cement to packer @ 2845'. Drlg out plug in 100 min. TIH w/ tbg to tag cement @ 5752'. Drlg out to PBD @ 5788'. Lay down 4 jts tbg to leave EOT @ 5658'. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$36,583**7/23/2009 Day: 2****Completion**

WWS #1 on 7/23/2009 - CBL/Perforated 1st stage. - Open well w/ 0 psi on casing. TOOH w/ tbg. RU Prforators LLC WLT & packoff. RIH w/ CBL tool. Run CBL under pressure. WLT was 5773' & CMT was 104'. Test casing, frac head, casing valves & BOP's to 4500 psi. RIH w/ gauge ring, 3',3',4' perf guns. Perforate CP5 sds @ 5610-13', CP4 sds @ 5564-67', CP3 sds @ 5490-94' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 3 spf for total of 36 shots. RD WLT. ND Cameron BOP's. Instal Schefer BOP's. RU 4-3/4" mill. TIH w/ tbg to 2800' Work mill through packer. TOOH w/ tbg. RD Schefer BOP's. Instal Cameron BOP's. RU BJ Services. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$47,320**7/24/2009 Day: 3****Completion**

WWS #1 on 7/24/2009 - Frac well. - Stage #1: RU bBJ Services "Ram Head" frac flange. RU BJ & frac CP sds w/ 30,556#'s of 20/40 sand in 437 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3153 psi back to 2326 psi @ 3 bpm w/ 3 bbls fluid. ISIP was 1668 w/ .73FG. 1 min was 1387 psi. 4 min was 1177 psi. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2851 w/ ave rate of 42 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 1980 w/ .79FG. 5 min was 1760 psi. 10 min was 1747. 15 min was 1709. 437 Bbls EWTR. Leave pressure on well. - Stage #2&3: RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) w/ 7' perf gun. Set plug @ 5430'. Perforate CP1 sds @ 5392-99' w/ 3-1/8" Port Guns (11 gram, .36"EH, 120°) w/ 3 spf for total of 21 shots. RU BJ & perfs won't break down. RU dump bailer & spot 8 gals of 15% HCL acid. Had 11' of sand on top of perfs. RU WLT. RIH w/ 2',8',2' perf guns. Tag sand 25' above CP1 sds. RU BJ & surge for 4 bbls & frac w/ 30,596#'s of 20/40 sand in 370 bbls of Lightning 17 frac fluid. Open well w/ 1279 psi on casing. Surge off 4 bbls to 1050 psi. Perfs broke down @ 1187 psi back to 1187 psi @ 3 bpm w/ 3 bbls fluid. Pressure to low (stay pumping). Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2936 w/ ave rate of 41 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 2258 w/ .88FG. 5 min was 1708 psi. 10 min was 1474. 15 min was 1378. 807 Bbls EWTR. Leave pressure on well. - Stage #5: RU WLT. RIH w/ frac plug & 4',3',4' perf gun. Set plug @ 4660'. Perforate D2 sds @ 4566-70', 4557-60', D1 sds @ 4508-12' w/ 3 spf for total of 33 shots. RU BJ & frac w/ 100,042#'s of 20/40 sand in 750 bbls of Lightning 17 frac fluid. Open well w/ 1025 psi on casing. Perfs broke down @ 3590 psi back to 1990 psi @ 3 bpm w/ 3 bbls fluid. Pressure up & down so didn't shut down. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 3126 w/ ave rate of 38 bpm w/ 8 ppg sand. ISIP was 1780 w/ .83FG. 5 min was 1581 psi. 10 min was 1513. 15

min was 1455. 1839 Bbls EWTR. RD BJ & WLT. Flow well back for 4 hours & died w/ 480 bbls rec'd. SIFN. 1359 bbls EWTR. - Stage #4: RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 4830'. Perforate B1 sds @ 4724-31' w/ 3 spf for total of 21 shots. RU BJ & frac w/ 14,782#'s of 20/40 sand in 282 bbls of Lightning 17 frac fluid. Open well w/ 1118 psi on casing. Perfs broke down @ 4207 psi back to 1931 psi @ 3 bpm w/ 3 bbls fluid. Pressure up & down so didn't shut down. Pump 30 gals of Techni Hib chemical @ 4% by volume. Treated @ ave pressure of 2505 w/ ave rate of 26 bpm w/ 6 ppg sand. Spot 12 bbls of 15% HCL acid in flush. ISIP was 1709 w/ .80FG. 5 min was 1296 psi. 10 min was 1229. 15 min was 1257. 1089 Bbls EWTR. Leave pressure on well

**Daily Cost:** \$0

**Cumulative Cost:** \$124,771

**7/27/2009 Day: 4**

**Completion**

WWS #1 on 7/27/2009 - Drlg plugs. - Open well w/ 0 psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schefer BOP's. RU 4-3/4" Chomp Mill & x-over sub. TIH w/ tbg to tag sand @ 4644'. RU swivel, pump & tanks. C/O to plug @ 4660'. Drlg out plug #1 in 14 min. TIH w/ tbg to tag plug @ 4830'. Drlg out plug #3. TIH w/ tbg to tag plug @ 5430'. Drlg out plug #3. TIH w/ tbg to tag fill @ 5720'. C/O to PBD @ 5788'. LD 2 jts tbg. RU swab & made 5 runs to rec'd 52 bbls fluid. FFL was 1000'. Last run showed water. SIFN w/ 1307 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$130,371

**7/28/2009 Day: 5**

**Completion**

WWS #1 on 7/28/2009 - Clean well out. - Open well w/ 0 psi on casing. RU swab & made 8 runs & rec'd 76 bbls fluid. Last run showed trace of oil w/ no sand. FFL was 1500'. RD swab equipment. TIH w/ tbg to tag no new sand. Circulate well clean. TOOH w/ tbg. LD Mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new CDI w/ 45,000# shear, 177 jts tbg. RD BOP's. Set TA @ 5575' w/ 18,000#'s tension w/ SN @ 5609' & EOT @ 5674'. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 14' x 18' new CDI RHAC pump w/ "SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 98- 3/4" plain rods, 99- 3/4" guided rods, 2', 6', 8' x 3/4" pony rod, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 6PM w/ 86"SL @ 4.5 spm w/ 1250 bbls EWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$169,373

**Pertinent Files: Go to File List**

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4458'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 170' 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 44 sx Class "G" cement down 5 ½" casing to 367'

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

## Federal 3-28-9-16

Spud Date: 6/22/2009  
 Put on Production: 7/28/2009  
 GL: 6097' KB: 6109'

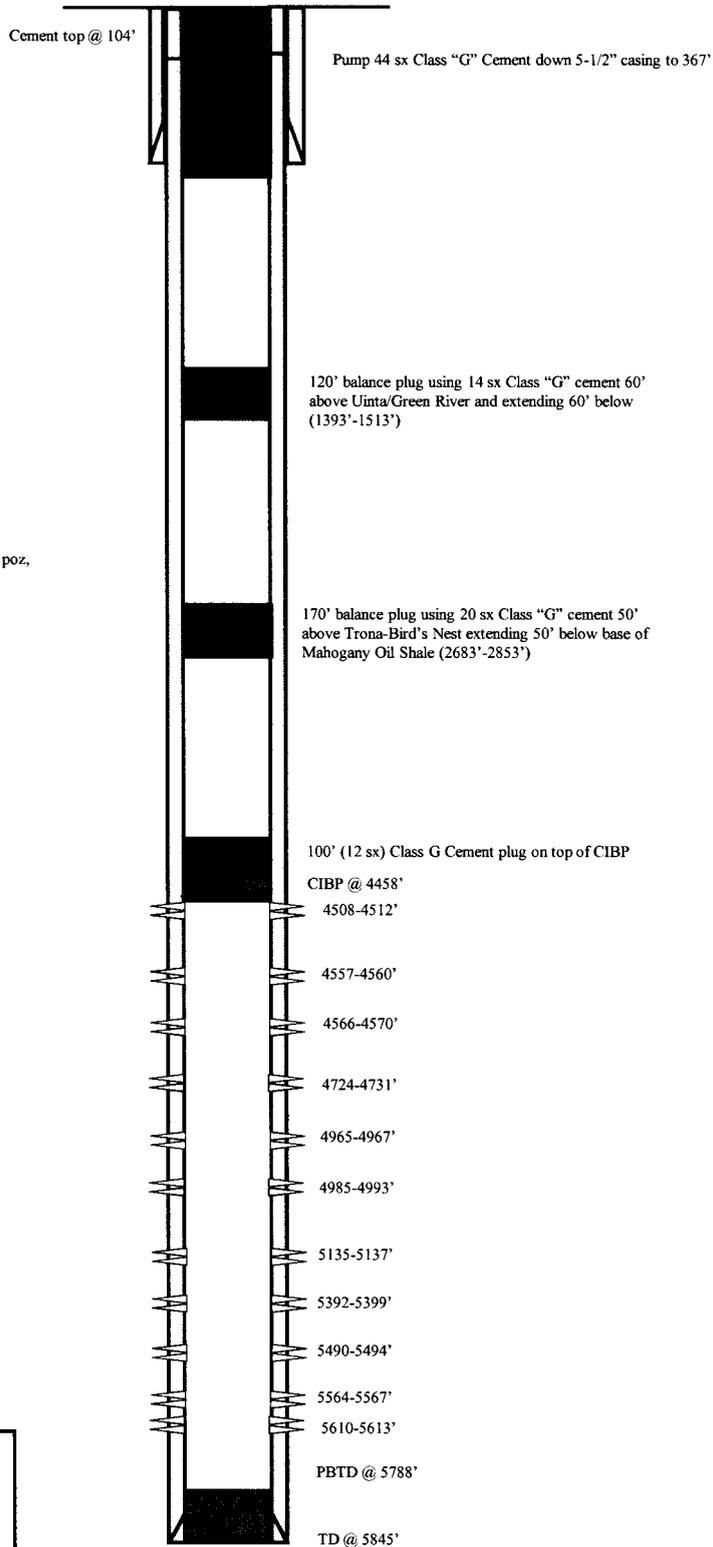
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (269')  
 DEPTH LANDED: 317' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (5821')  
 DEPTH LANDED: 5836'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 296 sx Prem. Lite mixed and 450 sx 50/50 poz,  
 CEMENT TOP AT: 104'



**NEWFIELD**

**Federal 3-28-9-16**  
 651' FNL & 1801' FWL  
 NE/NW Section 28-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33408; Lease # UTU-74392

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

**Applicant:** Newfield Production Company      **Well:** Federal 3-28-9-16

**Location:** 28/9S/16E      **API:** 43-013-33408

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

**Well Integrity:** The proposed well has surface casing set at 317 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,836 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,564 feet. A 2 7/8 inch tubing with a packer is proposed to be set at 4,458 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells and 1 injection well in the AOR. All of the 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 2800 feet. Injection shall be limited to the interval between 3,806 feet and 5,788 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 3-28-9-16 well is 0.79 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,678 psig. The requested maximum pressure is 1,678 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 3-28-9-16**

**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: 2/7/2013

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-404

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 21, 22, 23, 25, 26, 28, AND 29, 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:

Federal 15-21-9-16 well located in SW/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33164

Federal 9-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33175

Federal 13-23-9-16 well located in SW/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33180

Federal 1-25-9-16 well located in NE/4 NE/4, Section 25, Township 9 South, Range 16 East  
API 43-013-33553

UTD Walton 26-3 well located in NE/4 NW/4, Section 26, Township 9 South, Range 16 East  
API 43-013-31477

Federal 1-28-9-16 well located in NE/4 NE/4, Section 28, Township 9 South, Range 16 East  
API 43-013-33410

Federal 3-28-9-16 well located in NE/4 NW/4, Section 28, Township 9 South, Range 16 East  
API 43-013-33408

Federal 1-29-9-16 well located in NE/4 NE/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33423

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

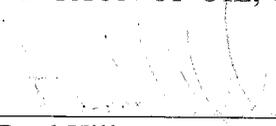
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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 12th day of February, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



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Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 15-21-9-16, FEDERAL 9-22-9-16, FEDERAL 13-23-9-16,  
FEDERAL 1-25-9-16, UTD WALTON 26-3, FEDERAL 1-28-9-16,  
FEDERAL 3-28-9-16, FEDERAL 1-29-9-16**

**Cause No. UIC-404**

Publication Notices were sent to the following:

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

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

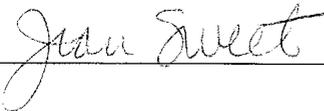
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

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

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

February 12, 2013

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-404

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



## Proof for Notice

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

Tue, Feb 12, 2013 at 2:31 PM

AD# 858313  
Run SL Trib & Des News 2/15  
Cost \$267.08  
Thank You

 **OrderConf.pdf**  
124K

## Order Confirmation for Ad #0000858313-01

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

<b>Total Amount</b>	<b>\$267.08</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$267.08</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1

<b>Payment Method</b>		<b>PO Number</b>	Cause No. UIC-404
<b>Confirmation Notes:</b>			
<b>Text:</b>	Jean		

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 78 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/15/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/15/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/15/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	2/15/2013	

### Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-404

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 21, 22, 23, 25, 26, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE 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:

Greater Monument Butte Unit:

Federal 15-21-9-16 well located in SW 4 SE 4, Section 21, Township 9 South, Range 16 East  
API 43-013-33164  
Federal 9-22-9-16 well located in NE 4 SE 4, Section 22, Township 9 South, Range 16 East  
API 43-013-33175  
Federal 13-20-9-16 well located in SW 4 SW 4, Section 23, Township 9 South, Range 16 East  
API 43-013-33180  
Federal 1-25-9-16 well located in NE 4 NE 4, Section 25, Township 9 South, Range 16 East  
API 43-013-33553  
JTD Walter 26-3 well located in NE 4 NW 4, Section 26, Township 9 South, Range 16 East  
API 43-013-31477  
Federal 1-28-9-16 well located in NE 4 NE 4, Section 28, Township 9 South, Range 16 East  
API 43-013-33410  
Federal 3-28-9-16 well located in NE 4 NW 4, Section 28, Township 9 South, Range 16 East  
API 43-013-33408  
Federal 1-29-9-16 well located in NE 4 NE 4, Section 29, Township 9 South, Range 16 East  
API 43-013-33422

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

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

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

Dated this 12th day of February, 2013.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

Brad Hill  
Permitting Manager  
858313

UPAXLP



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

February 12, 2013

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-404

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



## Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-404

Cindy Kleinfelter <classifieds@ubstandard.com>

Wed, Feb 13, 2013 at 1:59 PM

To: Jean Sweet <jsweet@utah.gov>

On 2/12/2013 2:22 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 Division of Oil, Gas and Mining  
801-538-5329

Received. Thank you. It will run Feb. 19.

Cindy

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

The Salt Lake Tribune

RECEIVED  
 MEDIA

Deseret News

FEB 20 2013

PROOF OF PUBLICATION

DIV OF OIL, GAS & MINING

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING.  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	2/15/2013

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-404

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 21, 22, 23, 25, 26, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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- Greater Monument Butte Unit:**
- Federal 15-21-9-16 well located in SW/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33164
  - Federal 9-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33175
  - Federal 13-23-9-16 well located in SW/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33180
  - Federal 1-25-9-16 well located in NE/4 NE/4, Section 25, Township 9 South, Range 16 East  
API 43-013-33553
  - UTD Walton 26-3 well located in NE/4 NW/4, Section 26, Township 9 South, Range 16 East  
API 43-013-31477
  - Federal 1-28-9-16 well located in NE/4 NE/4, Section 28, Township 9 South, Range 16 East  
API 43-013-33410
  - Federal 3-29-9-16 well located in NE/4 NW/4, Section 28, Township 9 South, Range 16 East  
API 43-013-33408
  - Federal 1-29-9-16 well located in NE/4 NE/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33423

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.

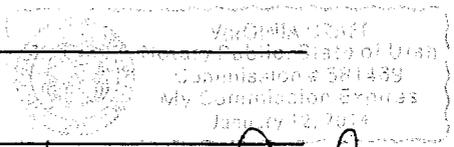
Dated this 12th day of February, 2013.  
 STATE OF UTAH

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMB
8015385340	0000858313 /
SCHEDULE	
Start 02/15/2013	End 02/15/2013
CUST. REF. NO.	
Cause No. UIC-404	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL R	
SIZE	
78 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
267.08	

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-404 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 02/15/2013 End 02/15/2013  
 SIGNATURE *[Signature]*



2/15/2013

*Virginia Craft*

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

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number      Invoice Date

41803      2/19/2013

Advertiser No.      Invoice Amount      Due Date

2080      \$133.85      3/21/2013

RECEIVED

FEB 26 2013

DIV. OF OIL, GAS & MINING

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. 41803	2/19/2013
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
2/19/2013	20851	UBS      UBS Legal Notice: Notice of Agency Action - Cause No. UIC-404 Pub. Feb. 19, 2013				\$133.85
				Sub Total:		\$133.85
				Total Transactions: 1	Total:	\$133.85

SUMMARY      Advertiser No.      2080      Invoice No.      41803

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!

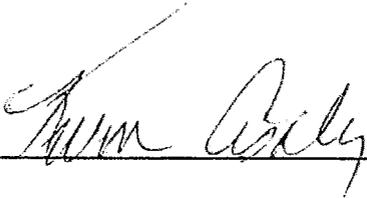
2210/REA/6131

# AFFIDAVIT OF PUBLICATION

**NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC-404**

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 19 day of February, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 19 day of February, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

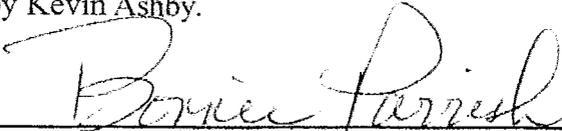


Publisher

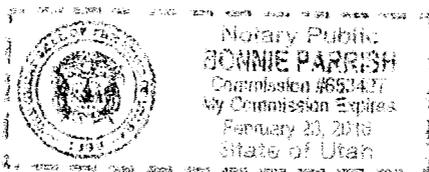
Subscribed and sworn to before me on this

25 day of February, 20 13

by Kevin Ashby.



Notary Public



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

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 21, 22, 23, 25, 26, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33175

Federal 13-23-9-16 well located in SW/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33180

Federal 1-25-9-16 well located in NE/4 NE/4 Section 25.

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 12th day of February, 2013.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING  
Brad Hill  
Permitting Manager  
Published in the  
Uintah Basin Standard  
February 19, 2013.

API 43-013-33175

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API 43-013-33180

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API 43-013-33553

UTD Walton 26-3 well located in NE/4 NW/4, Section 26, Township 9 South, Range 16 East

API 43-013-31477

Federal 1-28-9-16 well located in NE/4 NE/4, Section 28, Township 9 South, Range 16 East

API 43-013-33410

Federal 3-28-9-16 well located in NE/4 NW/4, Section 28, Township 9 South, Range 16 East

API 43-013-33408

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

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GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 12, 2013

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

Subject: Greater Monument Butte Unit Well: Federal 3- 28-9-16, Section 28, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33408

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,806 feet in the Federal 3-28-9-16 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,

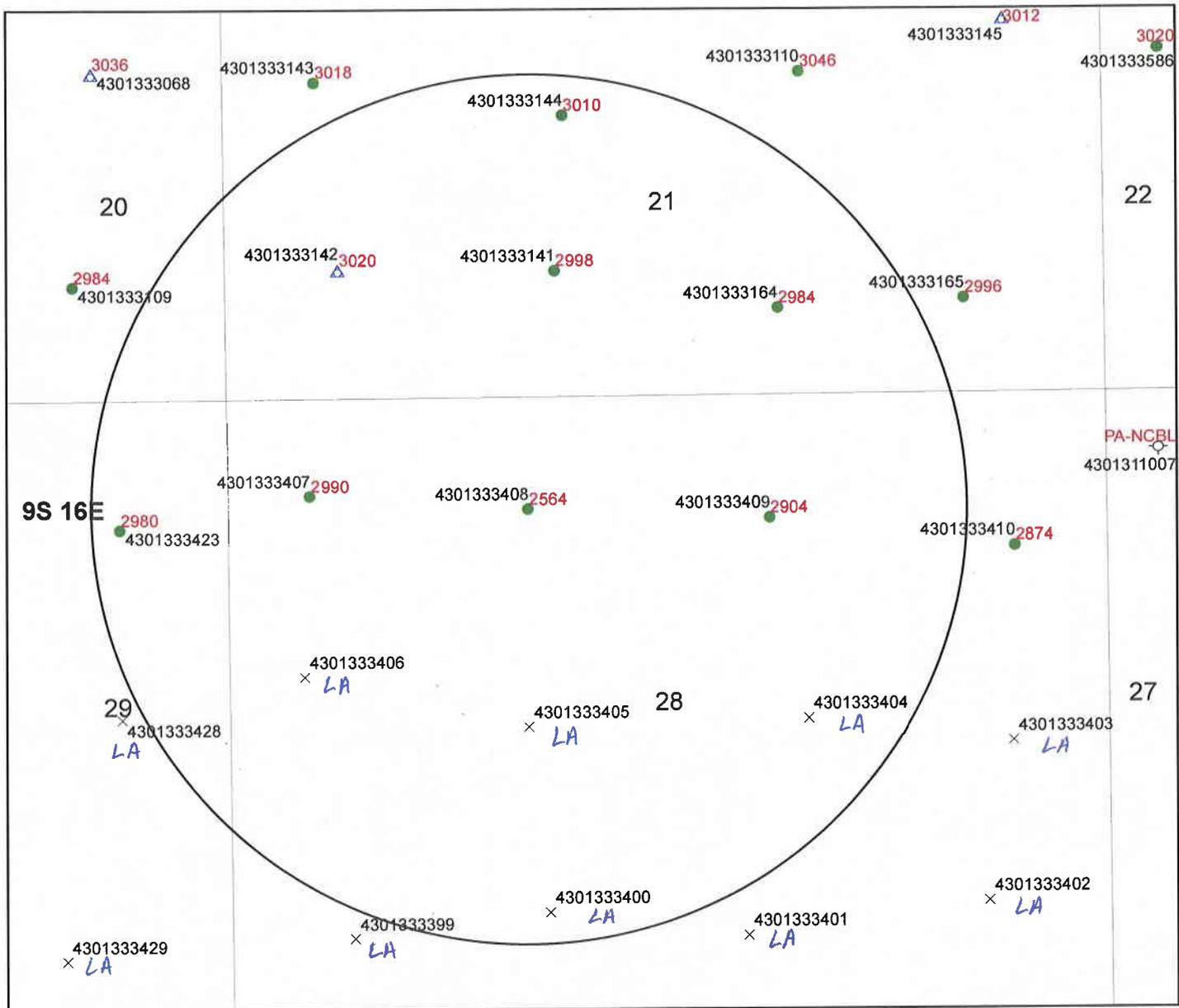
John Rogers  
Associate Director

JR/MLR/js

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

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





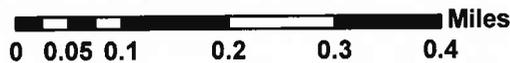
**Legend**

**Oil & Gas Well Type**

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

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

**Cement Bond Tops  
Federal 3-28-9-16  
API #43-013-33408  
UIC-404.7**



Sundry Number: 42420 API Well Number: 43013334080000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-28-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013334080000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0851 FNL 1810 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 28 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> 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: <b>8/29/2013</b>	<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 08/27/2013. On 08/28/2013 Chis Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 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:** October 17, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/10/2013	

Sundry Number: 42420 API Well Number: 43013334080000

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 8/29/13 Time 08:30  am  pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: <u>FEDERAL 3-28-9-10</u>	Field: <u>MONUMENT BUTTE</u>
Well Location: <u>NEW SECRETYS RIDE Duchesne County, UT</u>	API No: <u>43-013-33408</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>11055</u>	psig
5	<u>11055</u>	psig
10	<u>11055</u>	psig
15	<u>11055</u>	psig
20	<u>11055</u>	psig
25	<u>11055</u>	psig
30 min	<u>11055</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 490 psig

Result:

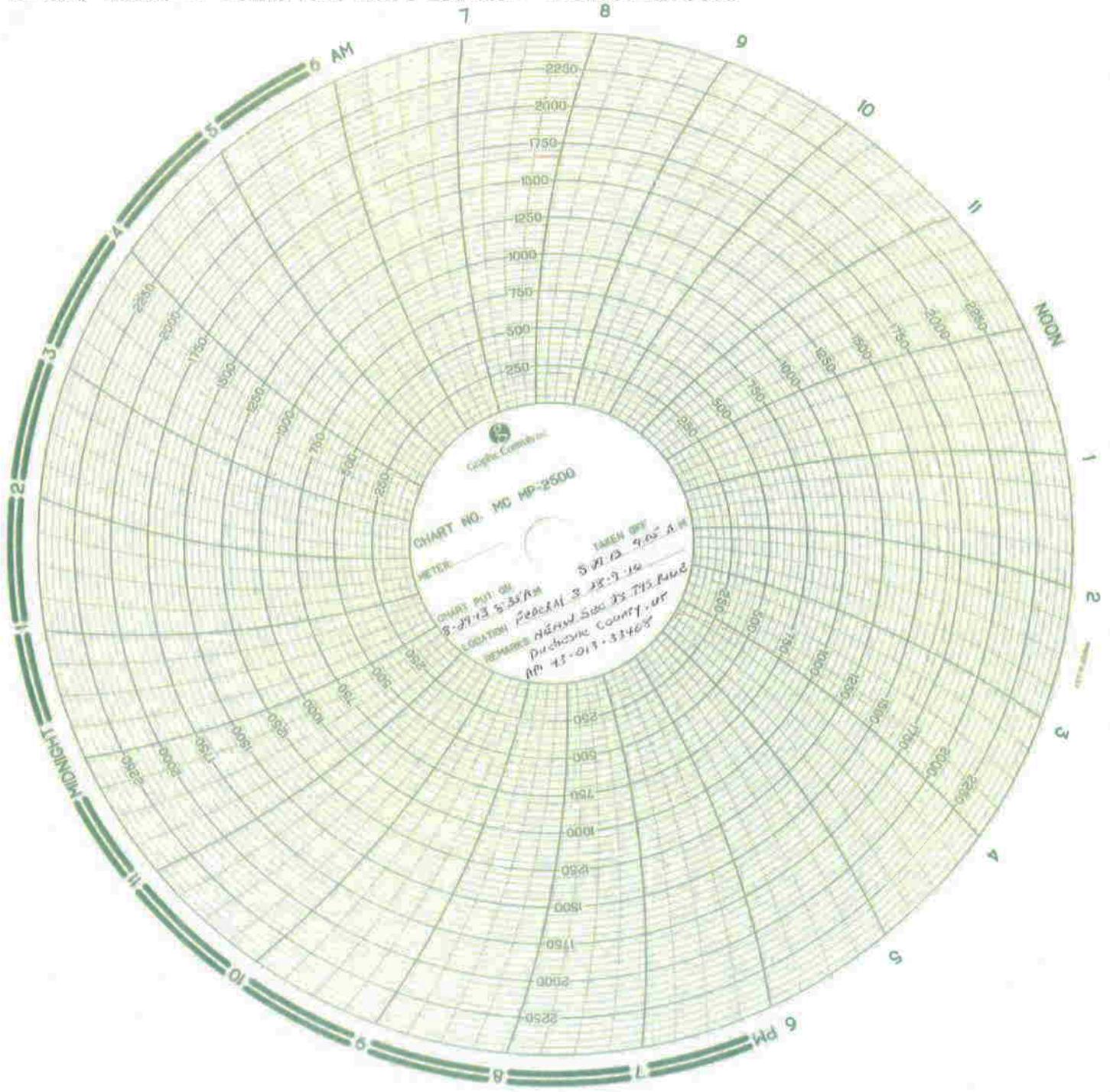
Pass

Fail

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

Signature of Person Conducting Test: Everett Unruh

Sundry Number: 42420 API Well Number: 43013334080000



## Daily Activity Report

Format For Sundry

FEDERAL 3-28-9-16

6/1/2013 To 10/30/2013

**8/26/2013 Day: 1**

**Conversion**

WWS# 5 on 8/26/2013 - MIRUSU, test tbg, pull rods - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2o, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2o, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. - MIRU, pump 60 bbls down csg, remove head unseat pump and 8000 over string wt, flush rods w/ 40 bbls h2o, fill and test tbg to 3000psi. OK, ld rods and pony's, stopped once and flushed with 30bbls. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$14,072

**8/27/2013 Day: 2**

**Conversion**

WWS# 5 on 8/27/2013 - ND WH, Test Tbg - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. - ND WH unset 5-1/2" B-2 Tac. Strip on 5000lb BOP. Ru floor & tbg works. TooH breaking every connection w/ 143 jts 2-7/8" tbg. Lo 37 jts 2-7/8" tbg, Lo 5-1/2" B-2. Tac PSN & NC stopping once & flushed tbg w/ 30 bbls. PU & Ti H w/ 2-7/8" re-entry guide, 2-7/8" XN nipple, 2-3/8" 4' sub, X over, 5-1/2" arrow set- 1 pkr, on/off tool, PSN & 143 jts 2-7/8" tbg. Pump 10 bbl pad, circ SV to PSN. Test tbg to 3000 psi. Leave psi over night. SDFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$21,164

**8/28/2013 Day: 3**

**Conversion**

WWS# 5 on 8/28/2013 - Set Packer, Test casing - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg, pkr to 1400 psi for 30 mins. Good. ROMO @ 11:30. - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg, pkr to 1400 psi for 30 mins. Good. ROMO @ 11:30. - Ck pres on the Tbg. Bump up to 3000 psi for 30 min. RU & RiH w/ sandline. Retrieve SV, RD floor & Tbg works. Strip off 5000lb BOP, land tbg on B-1 adapter flange. Pump 60 bbls fresh water & pkr fluid. Set 5-1/2" Arrow, set 1- Pkr w/ 15000 lb tension @ 4456'. PSN @ 4443', Eot @ 4460'. Land Tbg w/ injection tree, NU well head. Fill & test csg,

pkr to 1400 psi for 30 mins. Good. ROMO @ 11:30. **Finalized**  
**Daily Cost:** \$0  
**Cumulative Cost:** \$25,006

**9/3/2013 Day: 4**

**Conversion**

Rigless on 9/3/2013 - Conduct initial MIT - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. - On 08/28/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/29/2013 the casing was pressured up to 1655 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 490 psig during the test. There was not a State representative available to witness the test. **Finalized**  
**Daily Cost:** \$0  
**Cumulative Cost:** \$57,218

**Pertinent Files: Go to File List**

# Federal 3-28-9-16

Spud Date: 6/22/2009  
 Put on Production: 7/28/2009  
 GL: 6097' KB: 6109'

## Injection Wellbore Diagram

### SURFACE CASING

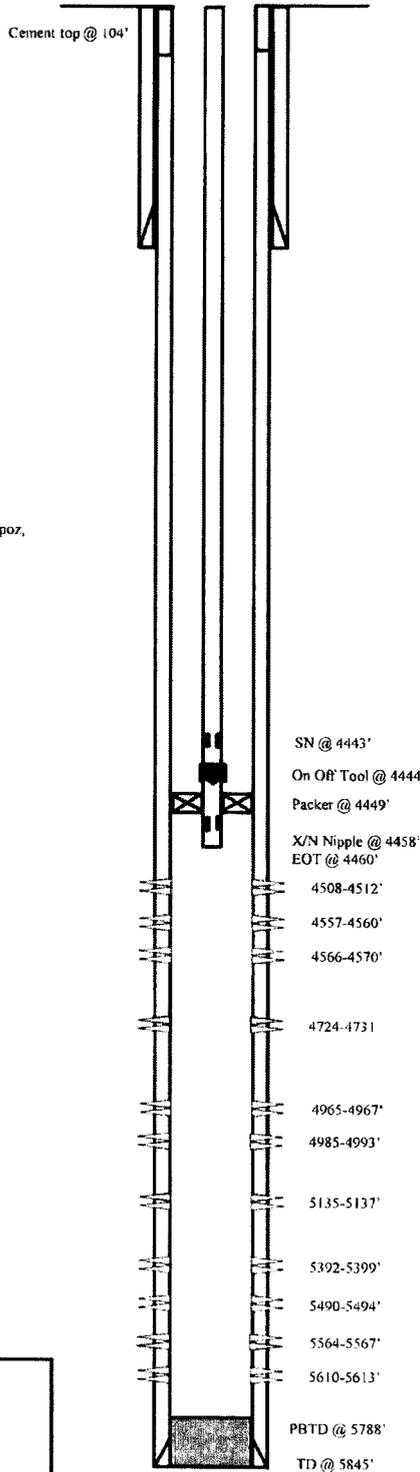
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (269')  
 DEPTH LANDED: 317' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (5821')  
 DEPTH LANDED: 5836'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 296 sx Prem Lite mixed and 450 sx 50/50 poz,  
 CEMENT TOP AT: 104'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 141 jts (4431 2')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4443 2' KB  
 ON/OFF TOOL AT: 4444 3'  
 ARROW #1 PACKER CE AT: 4449 52'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4453 69'  
 TBG PUP 2-3/8 J-55 AT: 4454 24'  
 X/N NIPPLE AT: 4458 39'  
 TOTAL STRING LENGTH: EOT @ 4459 9'



### FRAC JOB

7/28/2009	5490-5613'	Frac CP4, CP 3, & CP5 sands as follows: Frac with 30,556#s of 20/40 sand in 182 bbls of Lightning 17 frac fluid
7/28/2009	4965-5399'	Frac LODC & CP1 sands as follows: Frac with 30,596#s of 20/40 sand in 159 bbls of Lightning 17 frac fluid
7/28/2009	4724-4731'	Frac B1 sands as follows: Frac with 14782#s of 20/40 sand in 86 bbls of Lightning 17 frac fluid
7/28/2009	4508-4570'	Frac D1 & D2 sands as follows: Frac with 100042#s of 20/40 sand in 430 bbls of Lightning 17 frac fluid
3/12/12		Tubing leak: Updated rod & tubing detail
08/27/13		Convert to Injection Well
08/29/13		Conversion MIT Finalized - update tbg detail

### PERFORATION RECORD

5610-5613'	3 JSFP	9 holes
5564-5567'	3 JSFP	9 holes
5490-5494'	3 JSFP	12 holes
5392-5399'	3 JSFP	21 holes
5135-5137'	3 JSFP	6 holes
4985-4993'	3 JSFP	24 holes
4965-4967'	3 JSFP	6 holes
4724-4731'	3 JSFP	21 holes
4566-4570'	3 JSFP	12 holes
4557-4560'	3 JSFP	9 holes
4508-4512'	3 JSFP	12 holes

**NEWFIELD**

**Federal 3-28-9-16**  
 651' FNL & 1801' FWL  
 NE/NW Section 28-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33408; Lease # UTU-74392



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

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-404

**Operator:** Newfield Production Company  
**Well:** Federal 3-28-9-16  
**Location:** Section 28, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33408  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 12, 2013.
2. Maximum Allowable Injection Pressure: 1,678 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,806' – 5,788')
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

10/21/2013  
Date

JR/MLR/js

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

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



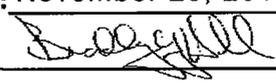
<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole 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 3-28-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013334080000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0651 FNL 1810 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 28 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: 10/23/2013	<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 8:30 AM on  
10/23/2013.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
  
 Date: November 25, 2013  
 By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 10/28/2013	