

NEWFIELD



December 21, 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

**Federal 4-29-9-16**

**Federal 4-30-9-16**

**Federal 8-30-9-16**

**Federal 12-30-9-16**

**Federal 16-30-9-16.**

Dear Diana:

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

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

DEC 22 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-74391
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 4-29-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 655' FNL 2045' FWL 573612 X 4428718 Y 40.007391 At proposed prod. zone NW/NW 663' FNL 661' FWL 110.144585		9. API Well No. 43-013-33469
14. Distance in miles and direction from nearest town or post office* Approximatley 22.7 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte 105
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 4,617' f/lse, NA f/unit	16. No. of Acres in lease 2139.50	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 29, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1606'	19. Proposed Depth 6100'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6213' GL	22. Approximate date work will start* 2nd Quarter 2007	13. State UT
20. BLM/BIA Bond No. on file UTB000192		
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/21/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-22-07
Title Office	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)

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DEC 22 2006

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

BHU 572591X 40.007390  
4428714Y - 110.149529



**NEWFIELD PRODUCTION COMPANY**  
**FEDERAL #4-29-9-16**  
**AT PROPOSED ZONE: NW/NW SECTION 29, T9S, R16E**  
**AT SURFACE: NE/NW SECTION 29, 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' – 2300'
Green River	2300'
Wasatch	6100'

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

Green River Formation 2300' – 6100' - 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 #4-29-9-16  
AT PROPOSED ZONE: NW/NW SECTION 29, T9S, R16E  
AT SURFACE: NE/NW SECTION 29, 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 #4-29-9-16 located in the NE 1/4 NW 1/4 Section 29, 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 its junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles  $\pm$  to its junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 200'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

The proposed well will be drilled directionally off of the proposed Federal 3-29-9-16 well pad. 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**

It is proposed that this well will be drilled directionally off of the proposed Federal 3-29-9-16 well pad. All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Monument Butte Field 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 200' of disturbed area be granted in Lease UTU-74391 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 200' of disturbed area be granted in Lease UTU-74391 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 200' of disturbed area be granted in Lease UTU-74391 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 with in 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 4-29-9-16

**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)

Indian Ricegrass	<i>Oryzopsis Hyemoides</i>	5 lbs/acre
Blue Gamma Grass	<i>Boutelous Gracilis</i>	5 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	5 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #4-29-9-16 was on-sited on 9/26/06. The following were present; Kim Kettle (Newfield Production), Charley Sharp (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: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

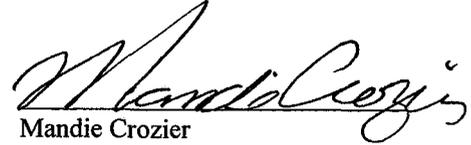
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-29-9-16 NW/NW Section 29, Township 9S, Range 16E: Lease UTU-74391 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.

12/21/06

Date



Mandie Crozier

Regulatory Specialist

Newfield Production Company

Exhibit "D"

1 of 2

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



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Federal 4-29-9-16  
Well: Federal 4-29-9-16  
Wellbore: OH  
Design: Plan #1

**Newfield Exploration Co.**

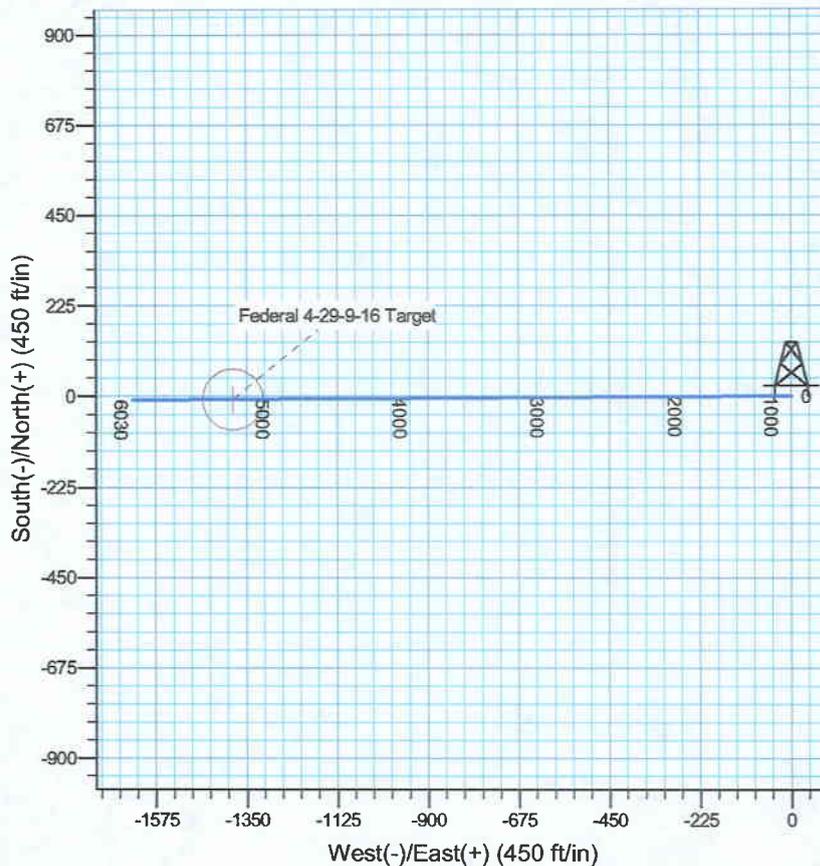
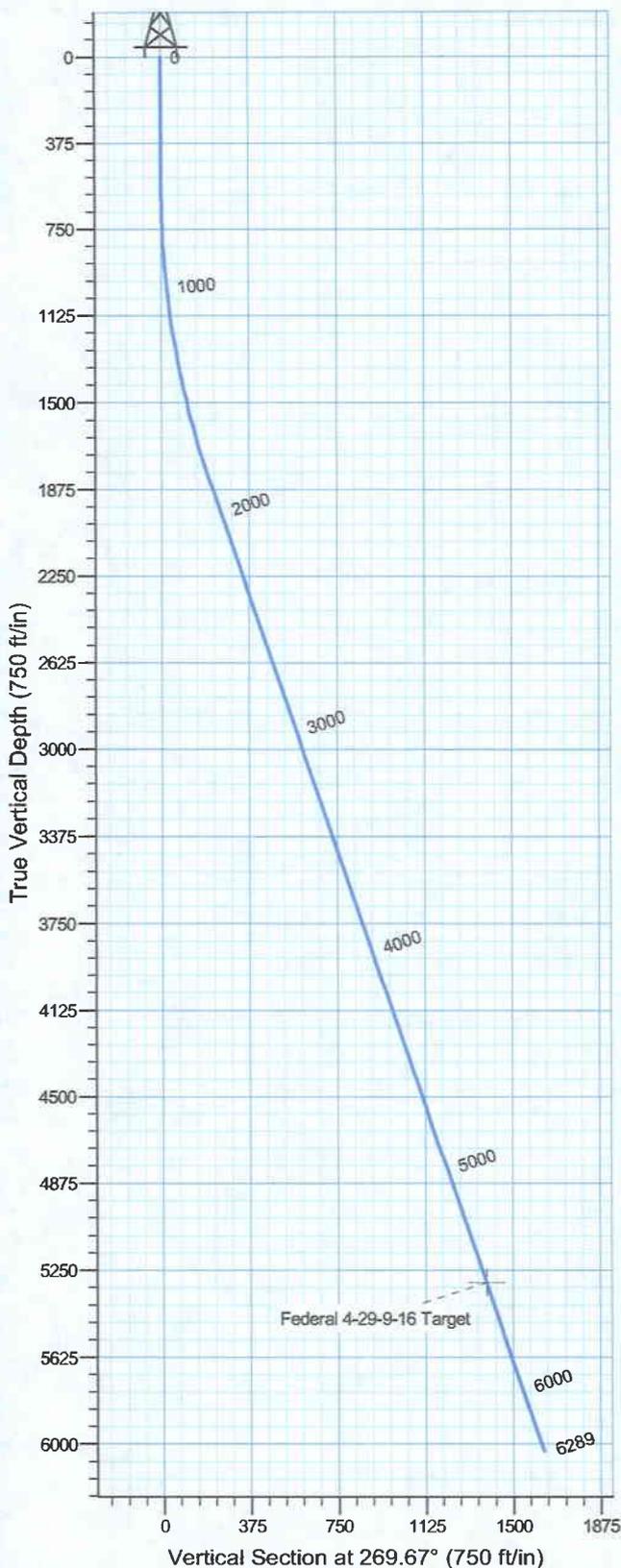


Azimuths to True North  
Magnetic North: 11.92°

Magnetic Field  
Strength: 52703.4nT  
Dip Angle: 65.87°  
Date: 2006-11-14  
Model: IGRF2005-10

WELL DETAILS: Federal 4-29-9-16

GL 6213' & RKB 12' @ 6225.00ft 6213.00  
+N/-S 0.00 +E/-W 0.00 Northing 7174284.61 Easting 2019855.60 Latitude 40° 0' 26.420 N Longitude 110° 8' 43.210 W



FORMATION TOP DETAILS

No formation data is available

Plan: Plan #1 (Federal 4-29-9-16/OH)

Created By: Julie Cruse Date: 2006-11-14

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
	31852.63	18.79	269.67	1830.29	-1.18	-203.55	1.50	269.67	203.56	
	4517.64	18.79	269.67	5300.00	-8.00	-1384.00	0.00	0.00	1384.02	Federal 4-29-9-16 Target
	5288.74	18.79	269.67	6030.00	-9.44	-1632.36	0.00	0.00	1632.38	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Federal 4-29-9-16**

**Federal 4-29-9-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**14 November, 2006**

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 4-29-9-16  
**Well:** Federal 4-29-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Federal 4-29-9-16  
**TVD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**MD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Federal 4-29-9-16, Sec. 29 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,174,284.62 ft	<b>Latitude:</b>	40° 0' 26.420 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,019,855.60 ft	<b>Longitude:</b>	110° 8' 43.210 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.87 °

<b>Well</b>	Federal 4-29-9-16, 655' FNL, 2045' FWL					
<b>Well Position</b>	<b>+N-S</b>	0.00 ft	<b>Northing:</b>	7,174,284.61 ft	<b>Latitude:</b>	40° 0' 26.420 N
	<b>+E-W</b>	0.00 ft	<b>Easting:</b>	2,019,855.60 ft	<b>Longitude:</b>	110° 8' 43.210 W
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,213.00 ft	

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2006-11-14	11.92	65.87	52,703

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	269.67

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,852.63	18.79	269.67	1,830.29	-1.18	-203.55	1.50	1.50	0.00	269.67	
5,517.64	18.79	269.67	5,300.00	-8.00	-1,384.00	0.00	0.00	0.00	0.00	Federal 4-29-9-16 Tar
6,288.74	18.79	269.67	6,030.00	-9.44	-1,632.36	0.00	0.00	0.00	0.00	

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 4-29-16  
**Well:** Federal 4-29-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Federal 4-29-16  
**TVD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**MD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	269.67	699.99	-0.01	-1.31	1.31	1.50	1.50	0.00
800.00	3.00	269.67	799.91	-0.03	-5.23	5.23	1.50	1.50	0.00
900.00	4.50	269.67	899.69	-0.07	-11.77	11.77	1.50	1.50	0.00
1,000.00	6.00	269.67	999.27	-0.12	-20.92	20.92	1.50	1.50	0.00
1,100.00	7.50	269.67	1,098.57	-0.19	-32.68	32.68	1.50	1.50	0.00
1,200.00	9.00	269.67	1,197.54	-0.27	-47.03	47.03	1.50	1.50	0.00
1,300.00	10.50	269.67	1,296.09	-0.37	-63.96	63.96	1.50	1.50	0.00
1,400.00	12.00	269.67	1,394.16	-0.48	-83.47	83.47	1.50	1.50	0.00
1,500.00	13.50	269.67	1,491.70	-0.61	-105.54	105.54	1.50	1.50	0.00
1,600.00	15.00	269.67	1,588.62	-0.75	-130.15	130.15	1.50	1.50	0.00
1,700.00	16.50	269.67	1,684.86	-0.91	-157.29	157.30	1.50	1.50	0.00
1,800.00	18.00	269.67	1,780.36	-1.08	-186.95	186.95	1.50	1.50	0.00
1,852.63	18.79	269.67	1,830.29	-1.18	-203.55	203.56	1.50	1.50	0.00
1,900.00	18.79	269.67	1,875.14	-1.26	-218.81	218.82	0.00	0.00	0.00
2,000.00	18.79	269.67	1,969.81	-1.45	-251.02	251.02	0.00	0.00	0.00
2,100.00	18.79	269.67	2,064.49	-1.64	-283.23	283.23	0.00	0.00	0.00
2,200.00	18.79	269.67	2,159.16	-1.82	-315.44	315.44	0.00	0.00	0.00
2,300.00	18.79	269.67	2,253.83	-2.01	-347.65	347.65	0.00	0.00	0.00
2,400.00	18.79	269.67	2,348.50	-2.20	-379.85	379.86	0.00	0.00	0.00
2,500.00	18.79	269.67	2,443.17	-2.38	-412.06	412.07	0.00	0.00	0.00
2,600.00	18.79	269.67	2,537.84	-2.57	-444.27	444.28	0.00	0.00	0.00
2,700.00	18.79	269.67	2,632.51	-2.75	-476.48	476.49	0.00	0.00	0.00
2,800.00	18.79	269.67	2,727.18	-2.94	-508.69	508.70	0.00	0.00	0.00
2,900.00	18.79	269.67	2,821.85	-3.13	-540.90	540.91	0.00	0.00	0.00
3,000.00	18.79	269.67	2,916.52	-3.31	-573.11	573.11	0.00	0.00	0.00
3,100.00	18.79	269.67	3,011.19	-3.50	-605.31	605.32	0.00	0.00	0.00
3,200.00	18.79	269.67	3,105.87	-3.69	-637.52	637.53	0.00	0.00	0.00
3,300.00	18.79	269.67	3,200.54	-3.87	-669.73	669.74	0.00	0.00	0.00
3,400.00	18.79	269.67	3,295.21	-4.06	-701.94	701.95	0.00	0.00	0.00
3,500.00	18.79	269.67	3,389.88	-4.24	-734.15	734.16	0.00	0.00	0.00
3,600.00	18.79	269.67	3,484.55	-4.43	-766.36	766.37	0.00	0.00	0.00
3,700.00	18.79	269.67	3,579.22	-4.62	-798.56	798.58	0.00	0.00	0.00
3,800.00	18.79	269.67	3,673.89	-4.80	-830.77	830.79	0.00	0.00	0.00
3,900.00	18.79	269.67	3,768.56	-4.99	-862.98	863.00	0.00	0.00	0.00
4,000.00	18.79	269.67	3,863.23	-5.17	-895.19	895.20	0.00	0.00	0.00
4,100.00	18.79	269.67	3,957.90	-5.36	-927.40	927.41	0.00	0.00	0.00
4,200.00	18.79	269.67	4,052.57	-5.55	-959.61	959.62	0.00	0.00	0.00
4,300.00	18.79	269.67	4,147.25	-5.73	-991.82	991.83	0.00	0.00	0.00
4,400.00	18.79	269.67	4,241.92	-5.92	-1,024.02	1,024.04	0.00	0.00	0.00
4,500.00	18.79	269.67	4,336.59	-6.11	-1,056.23	1,056.25	0.00	0.00	0.00
4,600.00	18.79	269.67	4,431.26	-6.29	-1,088.44	1,088.46	0.00	0.00	0.00
4,700.00	18.79	269.67	4,525.93	-6.48	-1,120.65	1,120.67	0.00	0.00	0.00
4,800.00	18.79	269.67	4,620.60	-6.66	-1,152.86	1,152.88	0.00	0.00	0.00
4,900.00	18.79	269.67	4,715.27	-6.85	-1,185.07	1,185.09	0.00	0.00	0.00
5,000.00	18.79	269.67	4,809.94	-7.04	-1,217.27	1,217.30	0.00	0.00	0.00
5,100.00	18.79	269.67	4,904.61	-7.22	-1,249.48	1,249.50	0.00	0.00	0.00
5,200.00	18.79	269.67	4,999.28	-7.41	-1,281.69	1,281.71	0.00	0.00	0.00

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 4-29-9-16  
**Well:** Federal 4-29-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Federal 4-29-9-16  
**TVD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**MD Reference:** GL 6213' & RKB 12' @ 6225.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	18.79	269.67	5,093.95	-7.59	-1,313.90	1,313.92	0.00	0.00	0.00
5,400.00	18.79	269.67	5,188.63	-7.78	-1,346.11	1,346.13	0.00	0.00	0.00
5,500.00	18.79	269.67	5,283.30	-7.97	-1,378.32	1,378.34	0.00	0.00	0.00
5,517.64	18.79	269.67	5,300.00	-8.00	-1,384.00	1,384.02	0.00	0.00	0.00
<b>Federal 4-29-9-16 Target</b>									
5,600.00	18.79	269.67	5,377.97	-8.15	-1,410.53	1,410.55	0.00	0.00	0.00
5,700.00	18.79	269.67	5,472.64	-8.34	-1,442.73	1,442.76	0.00	0.00	0.00
5,800.00	18.79	269.67	5,567.31	-8.53	-1,474.94	1,474.97	0.00	0.00	0.00
5,900.00	18.79	269.67	5,661.98	-8.71	-1,507.15	1,507.18	0.00	0.00	0.00
6,000.00	18.79	269.67	5,756.65	-8.90	-1,539.36	1,539.39	0.00	0.00	0.00
6,100.00	18.79	269.67	5,851.32	-9.08	-1,571.57	1,571.59	0.00	0.00	0.00
6,200.00	18.79	269.67	5,945.99	-9.27	-1,603.78	1,603.80	0.00	0.00	0.00
6,288.74	18.79	269.67	6,030.00	-9.44	-1,632.36	1,632.38	0.00	0.00	0.00

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Federal 4-29-9-16 Targe - plan hits target - Circle (radius 75.00)	0.00	0.00	5,300.00	-8.00	-1,384.00	7,174,255.65	2,018,471.88	40° 0' 26.340 N	110° 9' 0.998 W

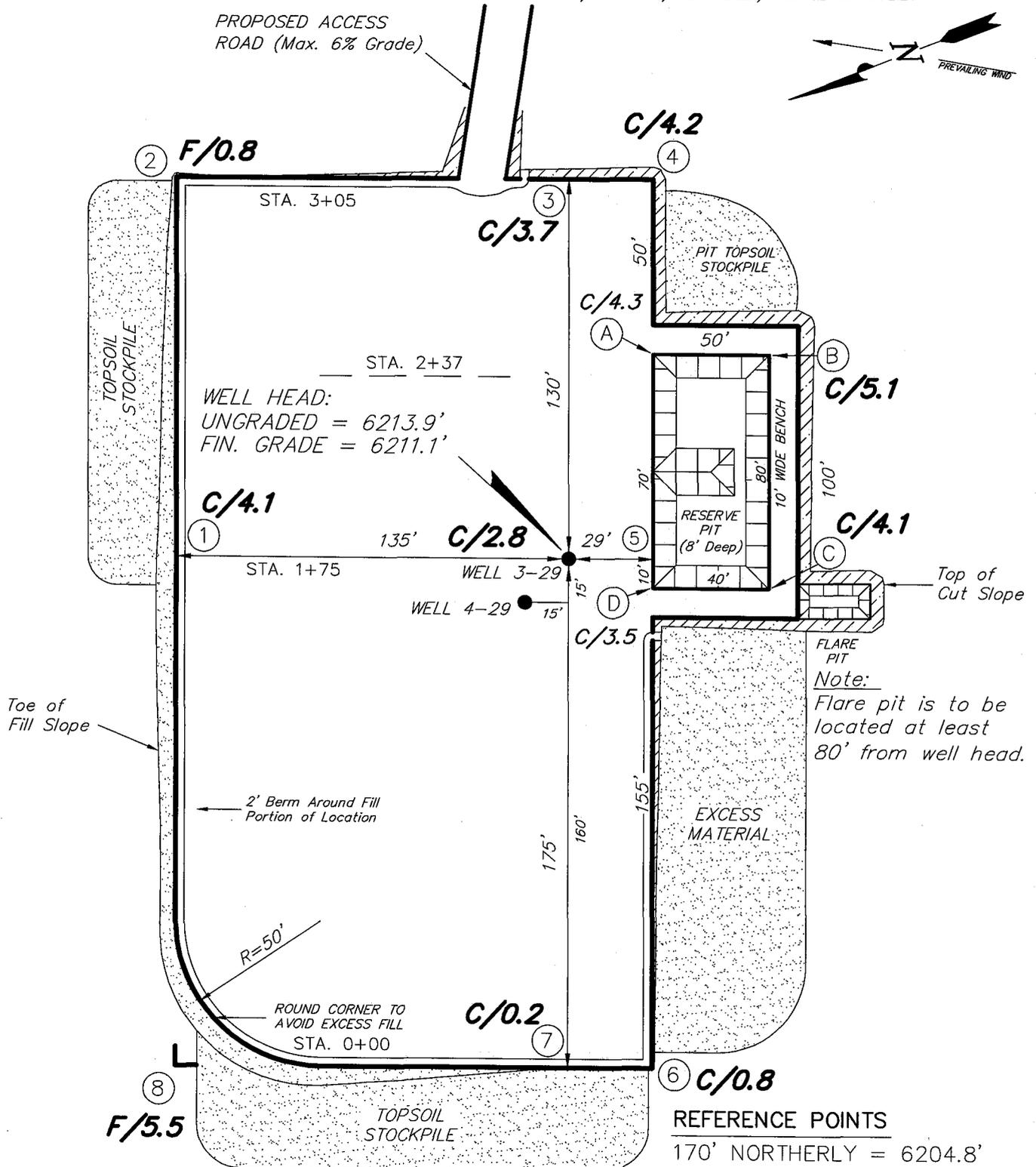
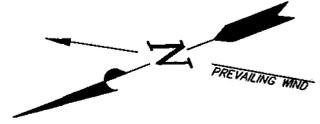
# NEWFIELD PRODUCTION COMPANY

9 MILE 3-29-9-16 (Proposed Well)

9 MILE 4-29-9-16 (Proposed Well)

Pad Location: NENW Section 29, T9S, R16E, S.L.B.&M.

PROPOSED ACCESS ROAD (Max. 6% Grade)



Note:  
Flare pit is to be located at least 80' from well head.

**REFERENCE POINTS**

- 170' NORTHERLY = 6204.8'
- 220' NORTHERLY = 6201.6'
- 210' WESTERLY = 6211.1'
- 260' WESTERLY = 6210.9'

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: T.C.J.	DATE: 10-6-06

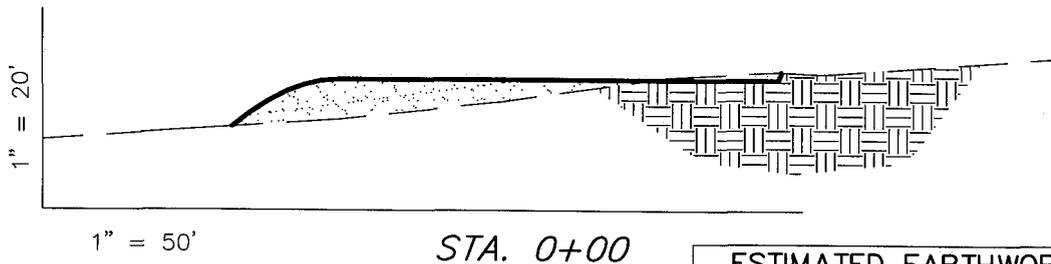
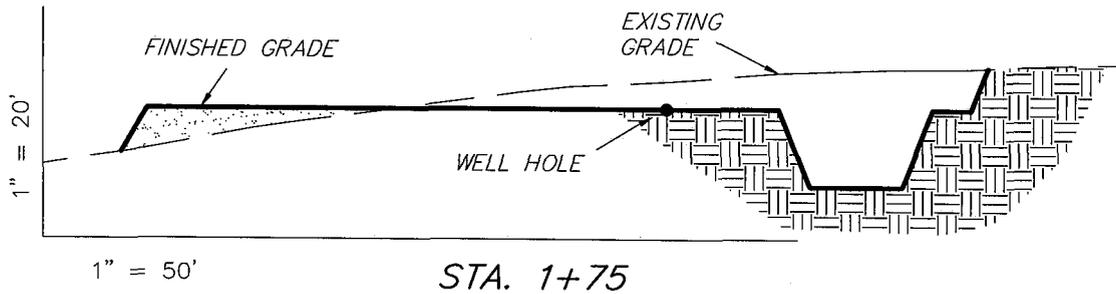
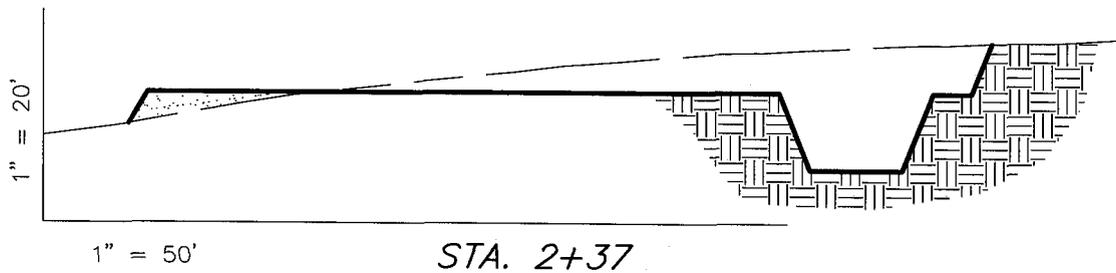
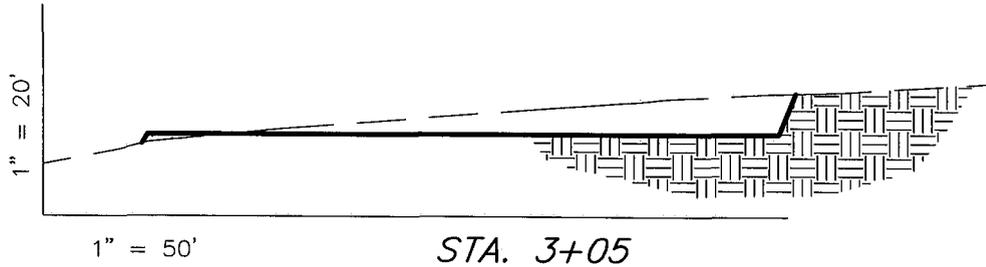
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 3-29-9-16 (Proposed Well)

9 MILE 4-29-9-16 (Proposed Well)



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,280	2,280	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,920	2,280	1,090	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 10-6-06

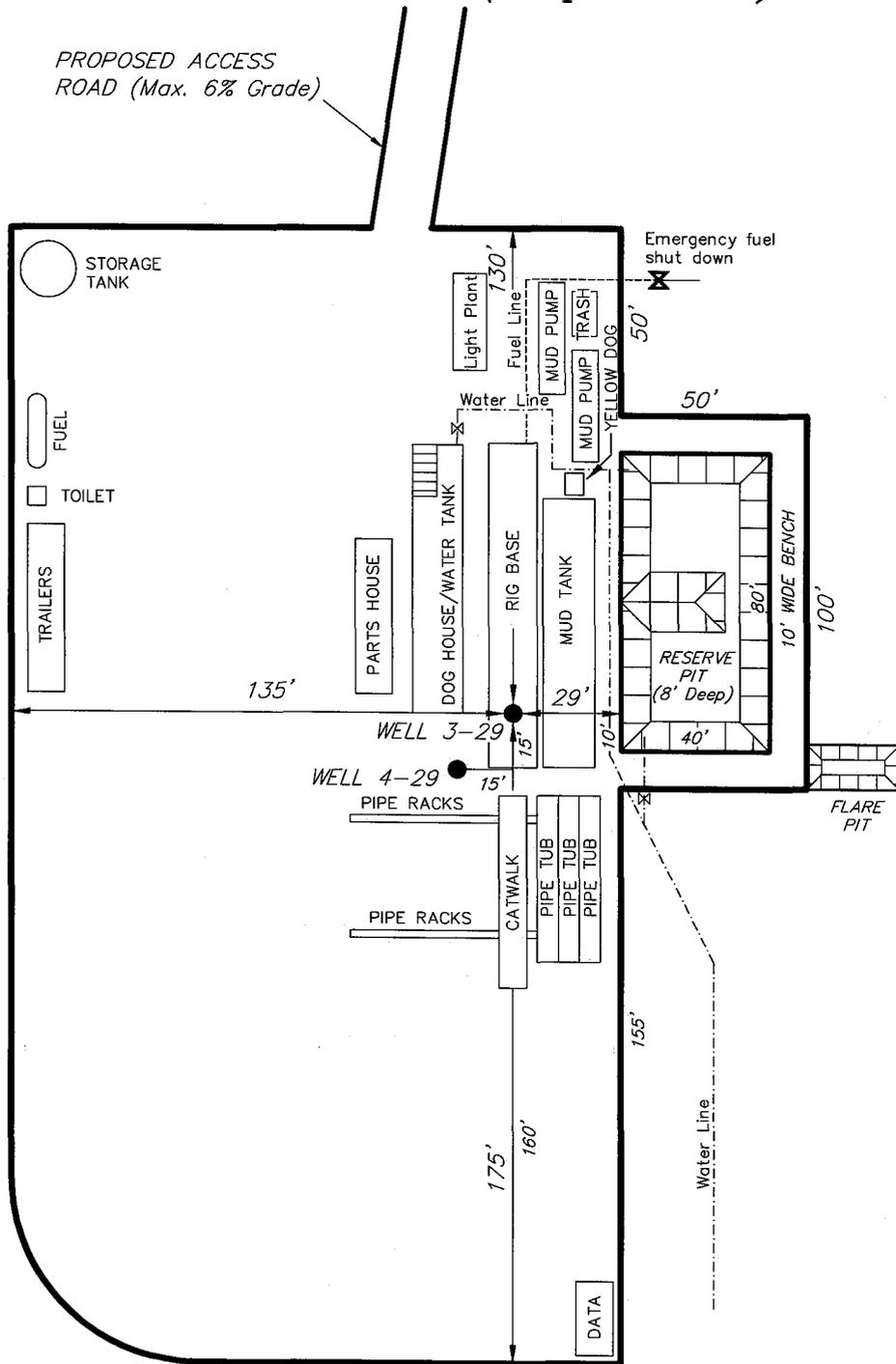
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

9 MILE 3-29-9-16 (Proposed Well)

9 MILE 4-29-9-16 (Proposed Well)



REVISED:

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 10-6-06

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

# Newfield Production Company Proposed Site Facility Diagram

Federal 4-29-9-16

From the 3-29-9-16 Location

NE/NW Sec. 29 T9S, 16E

Duchesne County, Utah

UTU-74391

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

**Production Phase:**

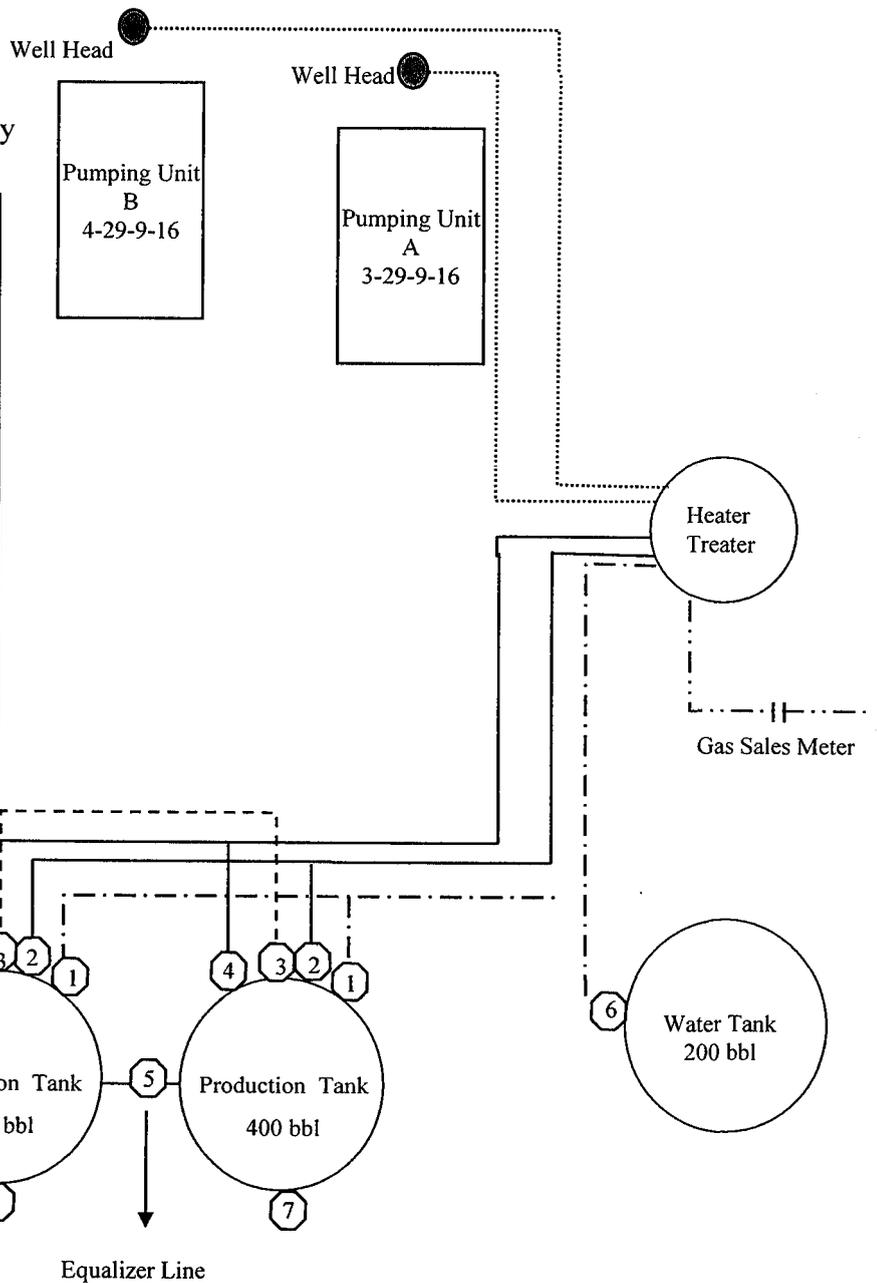
- 1) Valves 1, 3, 6, and 7 sealed closed
- 2) Valves 2, 4, and 5 sealed open

**Sales Phase:**

- 1) Valves 1, 2, 4, 5, and 7 sealed closed
- 2) Valves 3 and 6 open

**Draining Phase:**

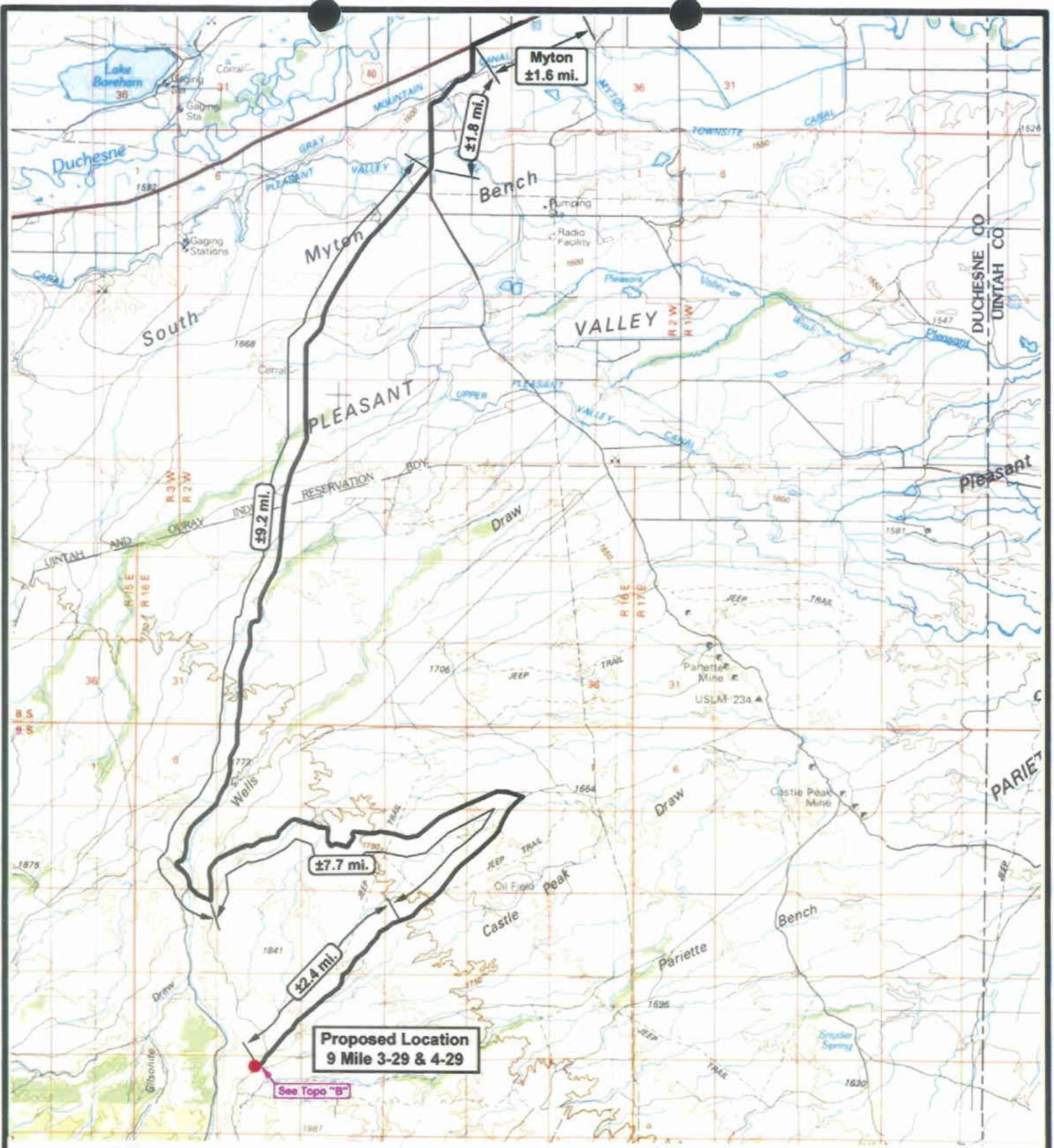
- 1) Valves 1 and 6 open



← Diked Section

**Legend**

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



**Proposed Location**  
9 Mile 3-29 & 4-29

**NEWFIELD**  
Exploration Company

**9 Mile 3-29-9-16**  
**9 Mile 4-29-9-16**  
Pad Location: NENW SEC. 29, T9S, R16E, S.L.B.&M.



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

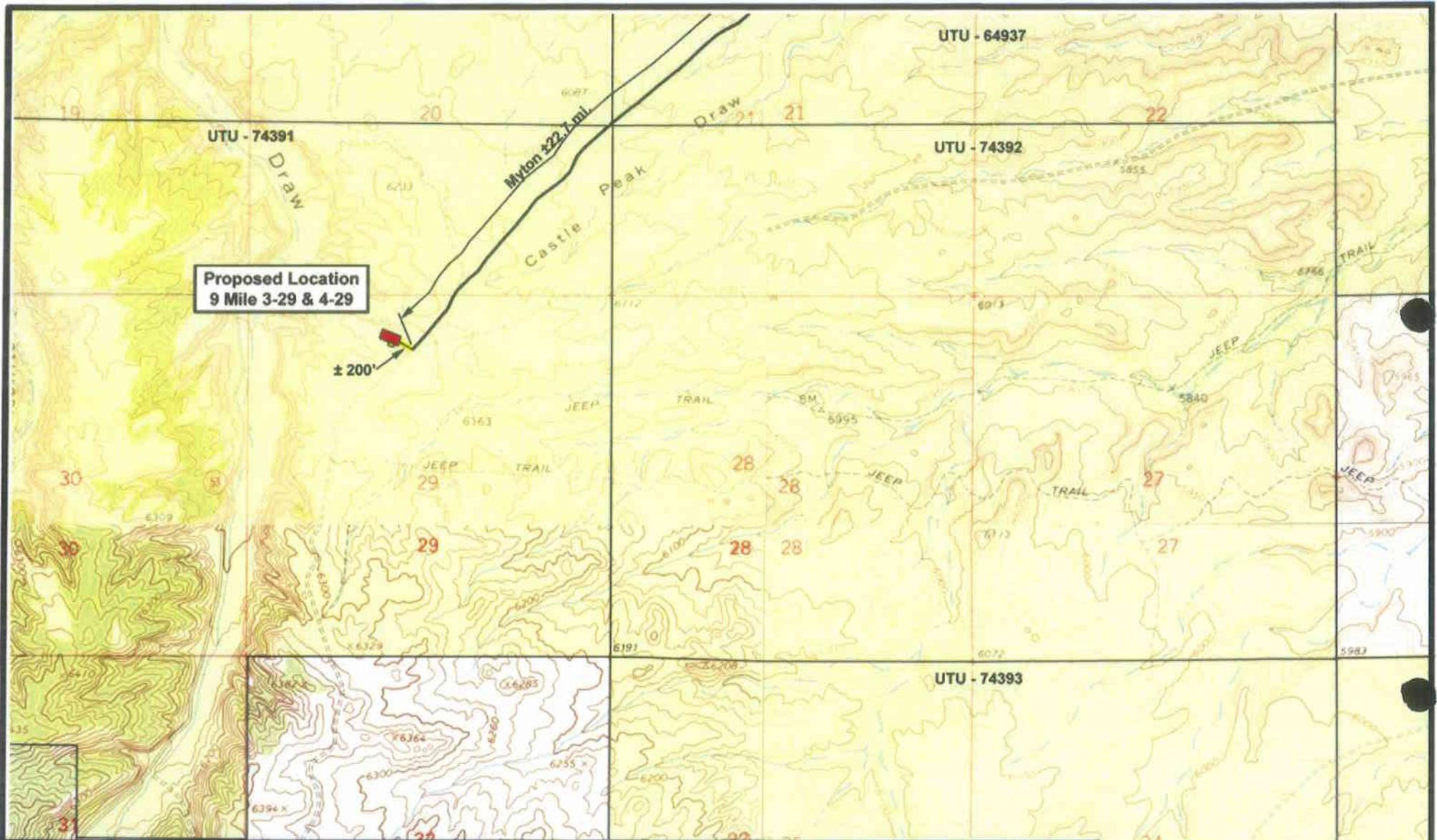
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 10-21-2006

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



**Proposed Location**  
9 Mile 3-29 & 4-29

± 200'

Myton ±22.7 mi.

UTU - 74391  
Draw

UTU - 64937

UTU - 74392

UTU - 74393

**NEWFIELD**  
Exploration Company

**9 Mile 3-29-9-16**  
**9 Mile 4-29-9-16**  
Pad Location: NENW SEC. 29, T9S, R16E, S.L.B.&M.



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

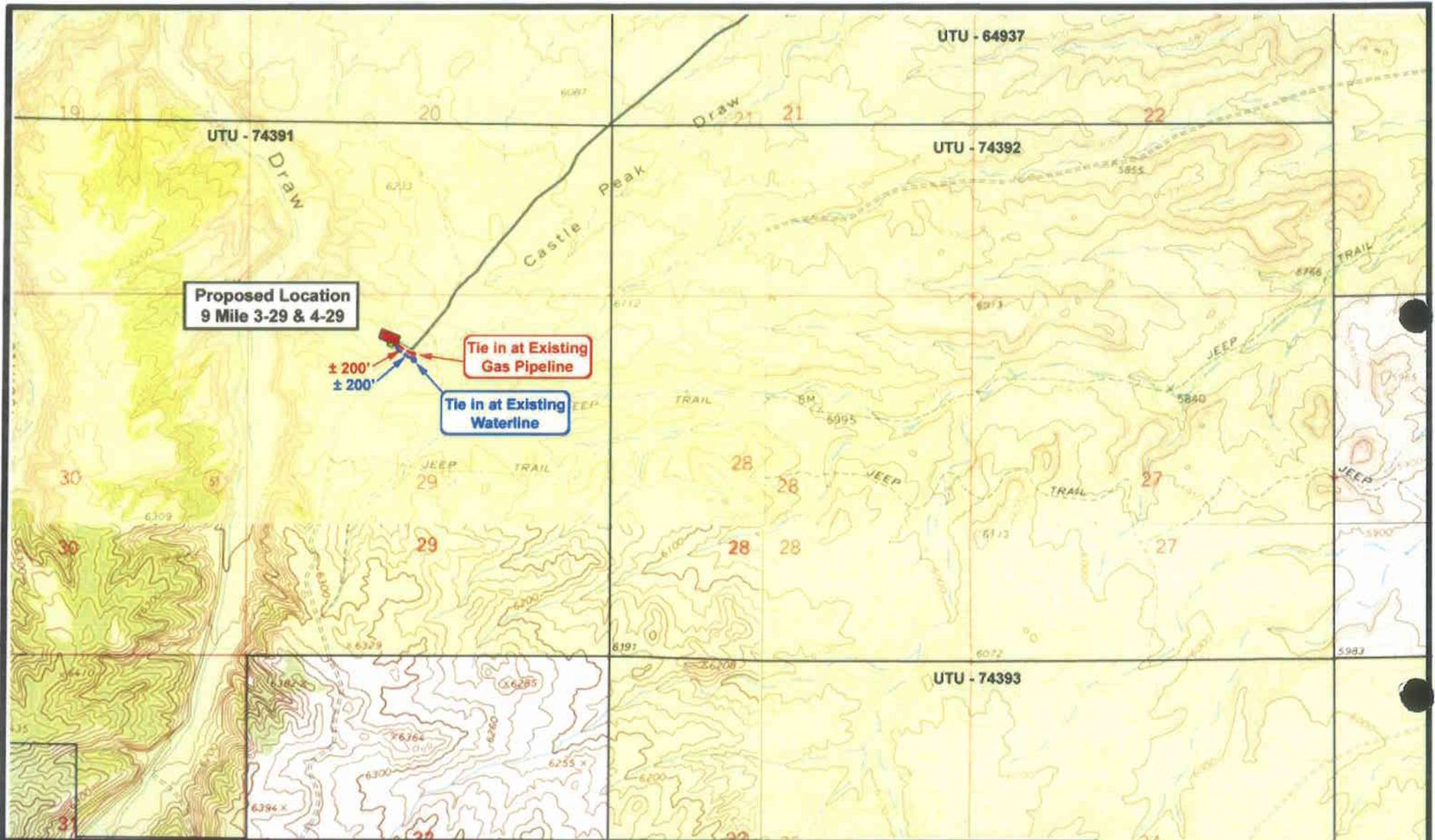
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 08-21-2006

**Legend**

Existing Road

Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**Proposed Location  
9 Mile 3-29 & 4-29**

**± 200'  
± 200'**

**Tie in at Existing  
Gas Pipeline**

**Tie in at Existing  
Waterline**

**NEWFIELD**  
Exploration Company

**9 Mile 3-29-9-16**  
**9 Mile 4-29-9-16**  
Pad Location: NENW SEC. 29, T9S, R16E, S.L.B.&M.

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

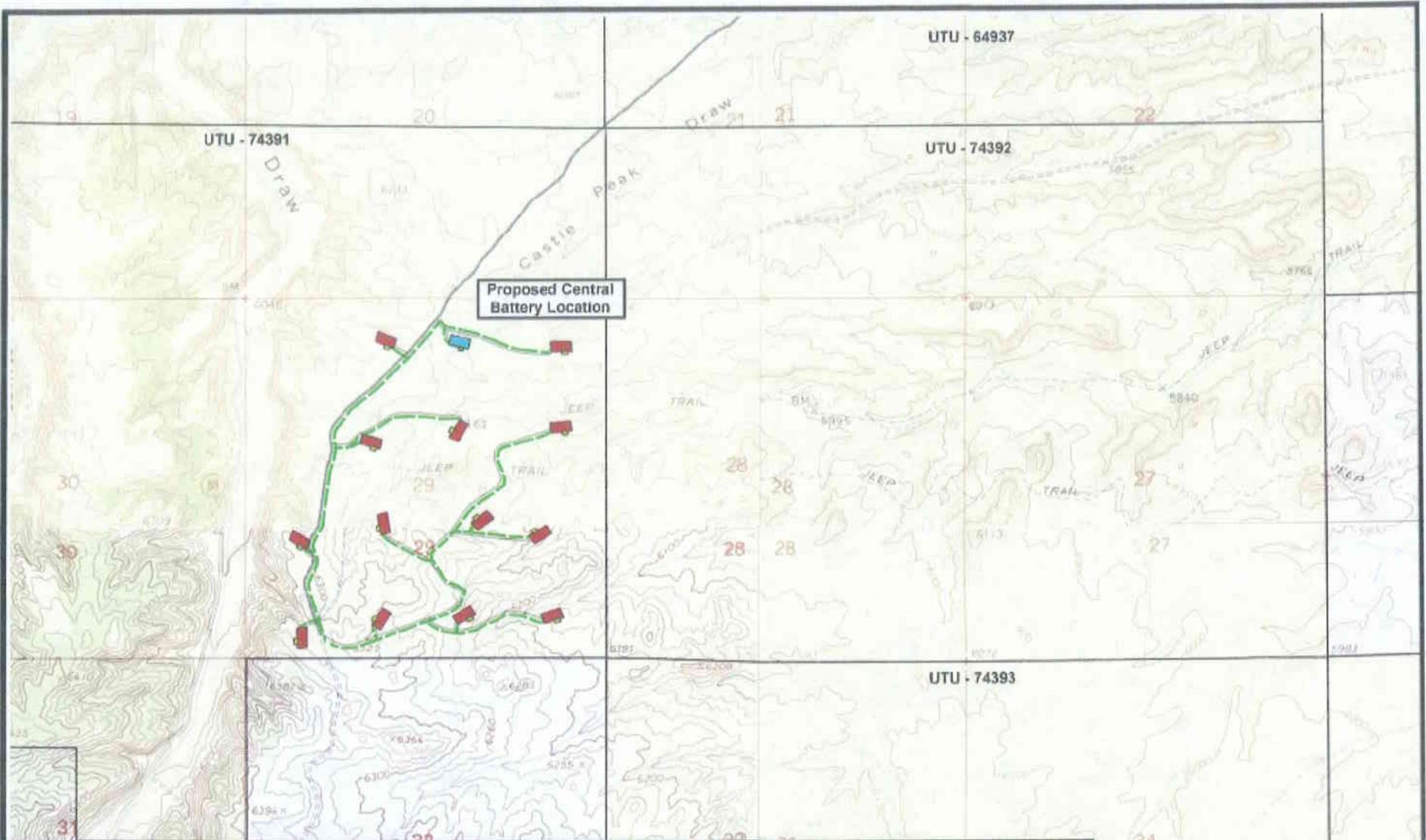
**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 10-21-2006**

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**




**NEWFIELD**  
 Exploration Company

---

**SEC. 29, T9S, R16E, S.L.B.&M.**



  
 Tri-State  
 Land Surveying Inc.  
 (435) 781-2501  
 103 North Vernal Ave. Vernal, Utah 84076

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 10-31-2006

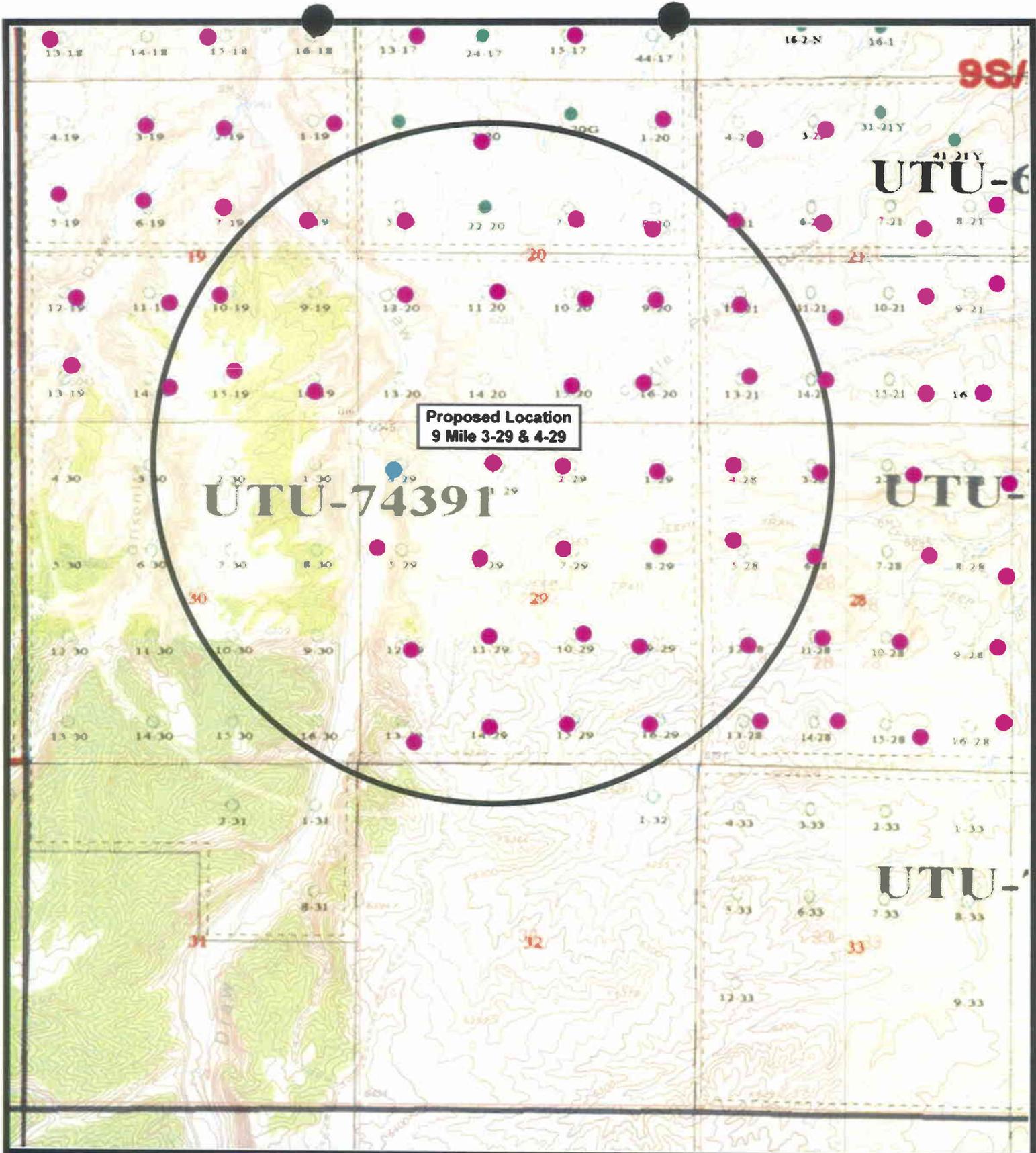
**Legend**

-  Roads
-  Proposed Flow Line Bundle
-  Proposed Central Battery

**TOPOGRAPHIC MAP**

**"D"**





Proposed Location  
9 Mile 3-29 & 4-29

UTU-74391

UTU-6

UTU-

UTU-

**NEWFIELD**  
Exploration Company

**9 Mile 3-29-9-16**  
**9 Mile 4-29-9-16**  
Pad Location: NENW SEC. 29, 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: imw  
DATE: 10-21-2006

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

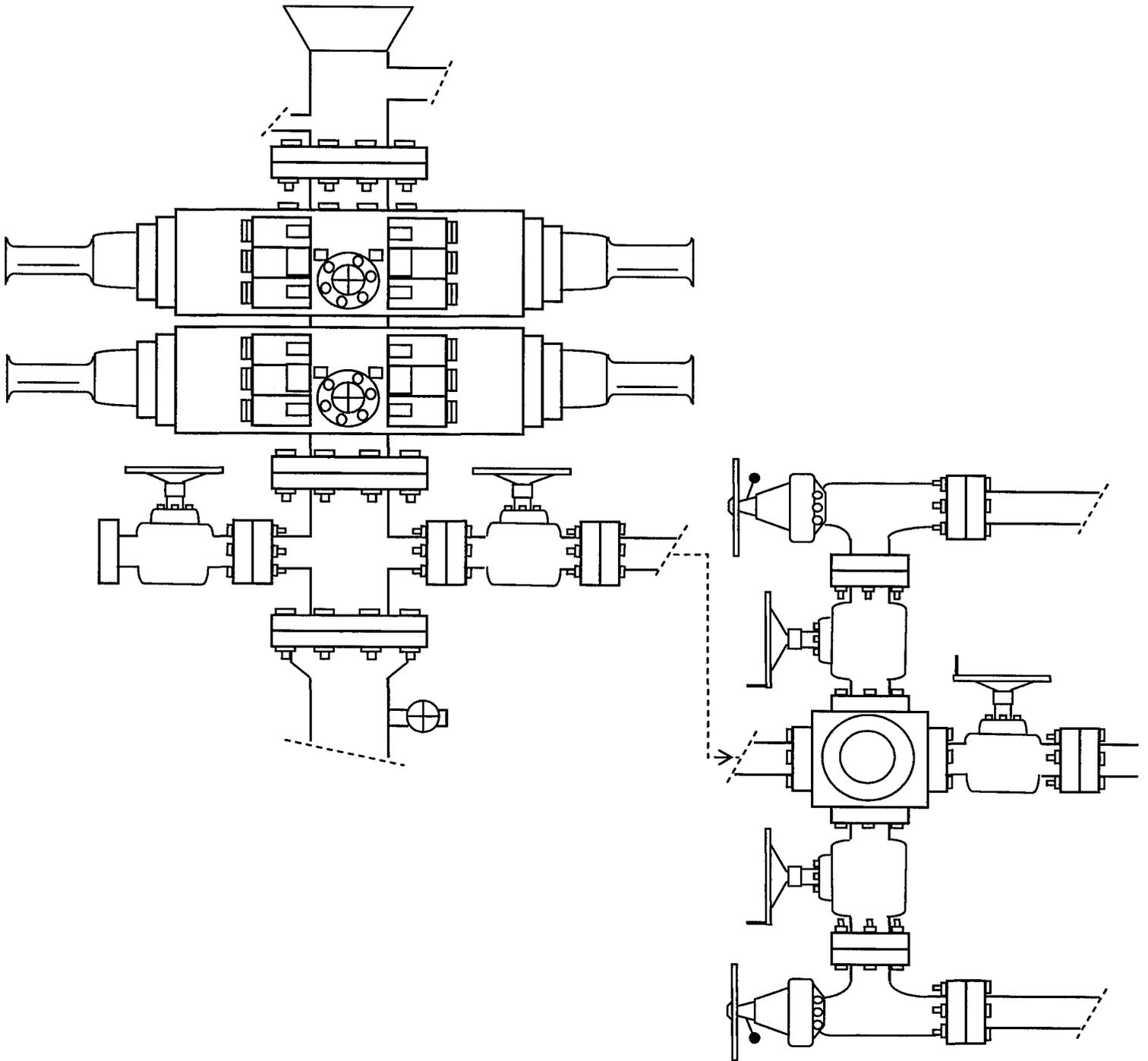


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/22/2006

API NO. ASSIGNED: 43-013-33469

WELL NAME: FEDERAL 4-29-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

NENW     29           090S     160E  
 SURFACE: 0655 FNL 2045 FWL  
 BOTTOM:   0663 FNL 0661 FWL  
 COUNTY:   DUCHESNE  
 LATITUDE: 40.00739   LONGITUDE: -110.1446  
 UTM SURF EASTINGS: 573012   NORTHINGS: 4428718  
 FIELD NAME: MONUMENT BUTTE           ( 105 )

LEASE TYPE:       1 - Federal  
 LEASE NUMBER:    UTU-74391  
 SURFACE OWNER:  1 - Federal

PROPOSED FORMATION:   GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

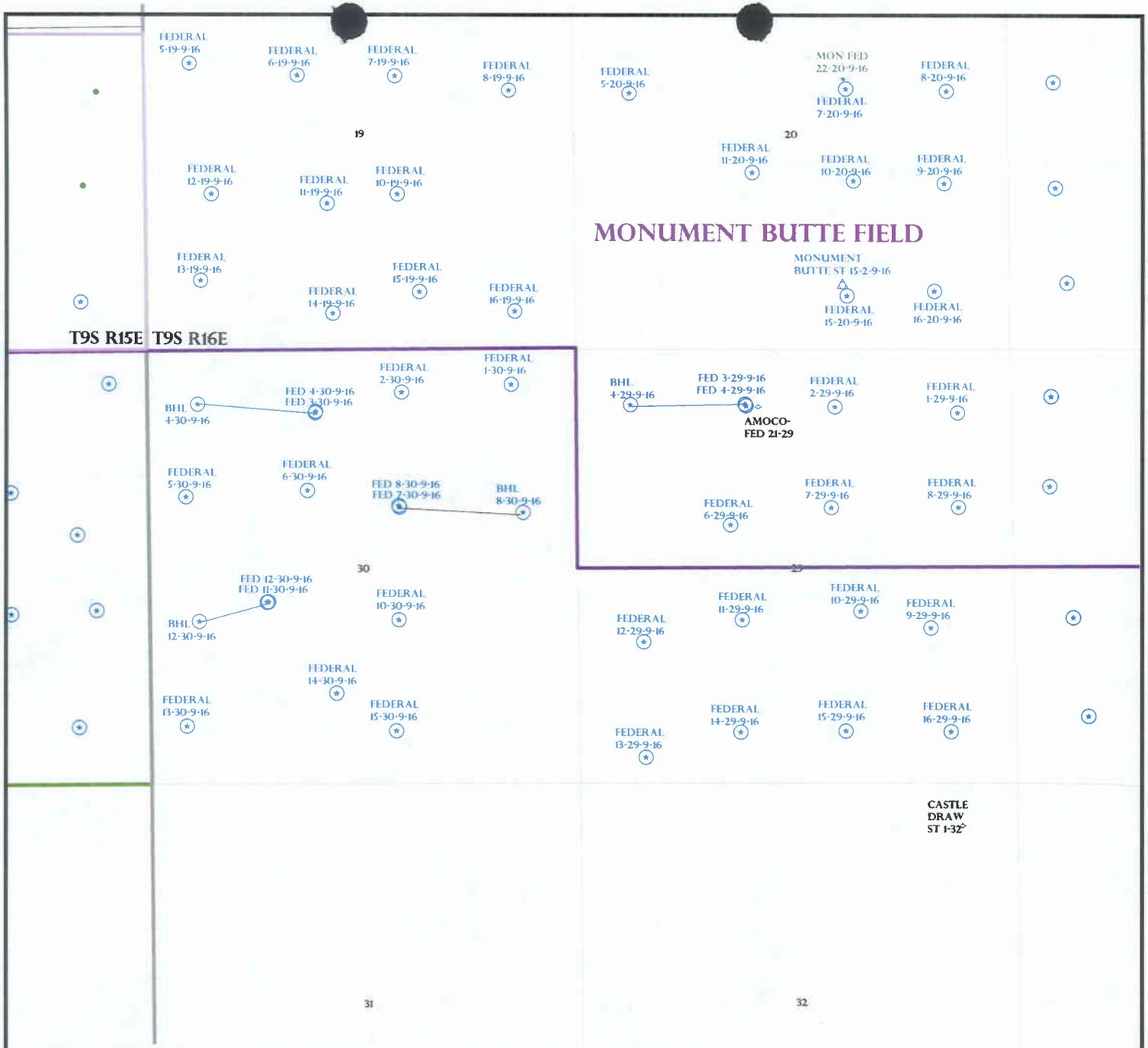
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
           (No. UTB000192 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
           (No. MUNICIPAL )
- RDCC Review (Y/N)  
           (Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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 file

STIPULATIONS: 1- Federal Approval  
2- Spacing Smp



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 29 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

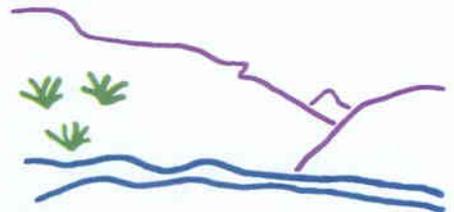
COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL 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

- 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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 19 DECEMBER-2006

**NEWFIELD**



ROCKY MOUNTAINS

January 16, 2007

Ms. Diana Mason  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Various Wells and Locations (See Attached)  
Duchesne County, Utah

Dear Ms.Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permit to Drill dated 12/21/2006 (copies enclosed herewith) which concern the wells more particularly described on Exhibit A attached hereto, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

These drillsite locations are located on Federal Lease #U-74391. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing roads and pipelines in the area.

Furthermore, NPC, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation are the only working interest owners within 460 feet of the entire directional well bores as well as the entire Federal Lease #U-74391. Yates, et al have provided their consent to the locations, and a copy of the consent is attached hereto.

Therefore, based on the above stated information NPC requests the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Rhonda Deimer".

Rhonda Deimer  
Land Associate

RECEIVED

JAN 19 2007

DIV. OF OIL, GAS & MINING

DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT  
UTU-74391  
DUCHESNE COUNTY, UTAH

Federal 4-29-9-16

655' FNL, 2045' FWL (at surface)  
663' FNL, 661' FWL (bottomhole)  
Section 29-T9S-R16E

Federal 4-30-9-16

769' FNL, 2034' FWL (at surface)  
661' FNL, 610' FWL (bottomhole)  
Section 30-T9S-R16E

Federal 8-30-9-16

1917' FNL, 2048' FEL (at surface)  
1980' FNL, 656' FEL (bottomhole)  
Section 30-T9S-R16E

Federal 12-30-9-16

2206' FSL, 1432' FWL (at surface)  
1978' FSL, 612' FWL (bottomhole)  
Section 30-T9S-R16E

Federal 16-30-9-16

667' FSL, 2204' FEL (at surface)  
664' FSL, 661' FEL (bottomhole)  
Section 30-T9S-R16E

Fax to: 303-893-0103  
Newfield Production Company  
Attn: Rhonda Deimer

**Exception Locations:**

- Federal 4-29-9-16
- Federal 4-30-9-16
- Federal 8-30-9-16
- Federal 12-30-9-16
- Federal 16-30-9-16
- UTU-74391, Duchesne County, Utah

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: Ernest L. Carroll  
ERNEST L. CARROLL  
 Print Name and Title  
 Senior Landman

Date: 2-11-07

RECEIVED  
 JAN 19 2007  
 DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

January 22, 2007

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

Re: Federal 4-29-9-16 Well, Surface Location 655' FNL, 2045' FWL, NE NW,  
Sec. 29, T. 9 South, R. 16 East, Bottom Location 663' FNL, 661' FWL,  
NW NW, Sec. 29, 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 43-013-33469.

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 4-29-9-16  
**API Number:** 43-013-33469  
**Lease:** UTU-74391

**Surface Location:** NE NW      **Sec.** 29      **T.** 9 South      **R.** 16 East  
**Bottom Location:** NW NW      **Sec.** 29      **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.

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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-74391

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 4-29-9-16

9. API Well No.

43-013-33469

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)

655 FNL 2045 FWL NW/NW Section 29, T9S R16E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 1/22/07 (expiration 1/22/08).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

COPY SENT TO OPERATOR  
Date: 1-14-2008  
Initials: KCS

Date: 01-10-08  
By: *[Signature]*

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

Signed

*[Signature]*  
Mandie Crozier

Title

Regulatory Specialist

Date

1/10/2008

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: 43-013-33469  
Well Name: Federal 4-29-9-16  
Location: NW/NW Section 29, T9S R16E  
Company Permit Issued to: Newfield Production Company  
Date Original Permit Issued: 1/22/2007

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

Mandi Cozins  
Signature

1/7/2008  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED  
JAN 09 2008  
DIV. OF OIL, GAS & MINING

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-74391

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 4-29-9-16

9. API Well No.

43-013-33469

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)

655 FNL 2045 FWL NW/NW Section 29, T9S R16E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Permit Extension**

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-12-09  
By: [Signature]

COPY SENT TO OPERATOR

Date: 1.13.2009

Initials: KS

RECEIVED  
JAN 08 2009

DIV. OF OIL, GAS & MINING

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

1/5/2009

CC: UTAH DOGM

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

RESET

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

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

**API:** 43-013-33469  
**Well Name:** Federal 4-29-9-16  
**Location:** <sup>New</sup> ~~NW 1/4~~ Section 29, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 1/22/2007

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

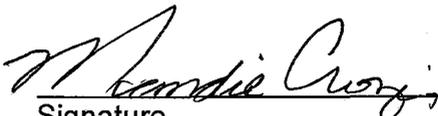
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

1/5/2009  
\_\_\_\_\_  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**JAN 08 2009**  
DIV. OF OIL, GAS & MINING

RECEIVED

DEC 22 2006

Form 3160-3  
(September 2001)

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

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

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-74391
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 4-29-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 655' FNL 2045' FWL At proposed prod. zone NW/NW 663' FNL 661' FWL		9. API Well No. 43-013-33409
14. Distance in miles and direction from nearest town or post office* Approximatley 22.7 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 4,617' fl/le, NA fl/unit	16. No. of Acres in lease 2139.50	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 29, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1606'	19. Proposed Depth 6100'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6213' GL	22. Approximate date work will start* 2nd Quarter 2007	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file UTB000192		
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 filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 12/21/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Newcomb</i>	Name (Printed/Typed) JERRY NEWCOMB	Date FEB 05 2009
Title Assistant Field Manager Larry & Alingani Resources	Office VERNAL FIELD OFFICE	

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

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

\*(Instructions on reverse)

RECEIVED

FEB 19 2009

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

UDDGm

NOTICE OF APPROVAL

06 PP0485A

XOS 9/13/02



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

<b>Company:</b>	<b>Newfield Production Company</b>	<b>Location:</b>	<b>NENW, Sec.29, T9S R16E</b>
<b>Well Name:</b>	<b>Federal 4-29-9-16</b>	<b>Lease No:</b>	<b>UTU-74391</b>
<b>API No:</b>	<b>43-013-33469</b>	<b>Agreement:</b>	<b>N/A</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
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:	Holly Villa	(435) 781-4404	(435) 828-3544
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:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

**Fax: (435) 781-3420**

**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)**

- 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.

**SITE SPECIFIC 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 should 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 respreading 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 recontoured 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 aerielly 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	1/4 - 1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0	1/2"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	1/2"
Anatone bluebunch wheatgrass	<i>Agropyron spicatum</i> var. <i>Anatone</i>	2.0	1/2"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	1/2"

**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	1/4 - 1/2"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	1/2"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	1/8 - 1/4"
Shadscale	<i>Atriplex confertifolia</i>	2.0	1/2"
Fourwing Saltbush	<i>Atriplex canescens</i>	2.0	1/2"
Winterfat	<i>Ceratoides lanata</i>	1.0	1/2"
Forage Kochia2	<i>Kochia prostrata</i>	0.5	1/2"

- 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 recontoured to natural topography, topsoil shall be respread, 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:**

- A complete angular deviation and directional survey report shall be submitted to the Vernal BLM Field Office within 30 days following the completion of the well.

**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\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@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.

<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.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74391
	<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 4-29-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013334690000
<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> 0655 FNL 2045 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 29 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 1/11/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

Newfield proposes to extend the permit to drill this well for one year.

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

Date: January 11, 2010

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/11/2010	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013334690000**

**API:** 43013334690000

**Well Name:** FEDERAL 4-29-9-16

**Location:** 0655 FNL 2045 FWL QTR NENW SEC 29 TWP 090S RNG 160E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 1/22/2007

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 rightof- 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

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

**Signature:** Mandie Crozier

**Date:** 1/11/2010

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** January 11, 2010

**By:**

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #21 Submitted  
By Ryan Crum Phone Number 823-7065  
Well Name/Number Ute Tribal 4-29-9-16  
Qtr/Qtr NE/NW Section 29 Township 9s Range 16e  
Lease Serial Number UTU-74391  
API Number 43013334690000

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

Date/Time 8/11/10 8:00 AM  PM

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

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

Date/Time 8/11/10 2:00 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 \_\_\_\_\_

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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  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
655 FNL 2045 FWL  
NWNW Section 29 T9S R16E

5. Lease Serial No.

USA UTU-74391

6. If Indian, Allottee or Tribe Name.

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

GMBU

8. Well Name and No.

FEDERAL 4-29-9-16

9. API Well No.

4301333469

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

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

On 8/11/10 MIRU Ross # 29. Spud well @ 5:00 PM. Drill 350' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24# casing. Set @ 352.13' KB. On 8/18/10 cement with 170 sks of class "G" w/ 2% CaCL2 + 1/4# per sk Cello Flake mixed @ 15.8 ppg with 1.17 cf/sk yield. Returned 4 bbls cement to pit. WOC.

**RECEIVED**

**AUG 23 2010**

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

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

Mitch Benson

Signature

Title

Drilling Foreman

Date

08/18/2010

**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)





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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400 ✓	4301334180	FEDERAL 14-30-8-16	SESW	30	8S	16E	DUCHESNE	8/13/2010	8/30/10
WELL 1 COMMENTS: GRRV											
A	99999	17750	4301350312	UTE TRIBAL 4-23-4-3	NWNW	23	4S	3W	DUCHESNE	8/13/2010	8/30/10
GRRV											
B	99999	17400 ✓	4301332451	FEDERAL 16-30-8-16	SESE	30	8S	16E	DUCHESNE	8/15/2010	8/30/10
GRRV											
B	99999	17400 ✓	4301333469	FEDERAL 4-29-9-16	NWSW	29	9S	16E	DUCHESNE	8/11/2010	8/30/10
GRRV BHL = NWNW											
A	99999	17751	4301350364	UTE TRIBAL 5-26-4-3	SWNW	26	4S	3W	DUCHESNE	8/11/2010	8/30/10
WELL 5 COMMENTS: GRRV											
D	<del>17400</del>		4301350315	UTE TRIBAL 6-26-4-3	NENW	21	4S	1W	DUCHESNE	4/13/2010	
WELL 5 COMMENTS: CORRECTION PUT IN ENTITY IN 17400, NOT IN GMBU. Duplicate of 8/10/10 submission - assigned 17732											

ACTION CODES (See Instructions on back of form)

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

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

RECEIVED  
AUG 23 2010

DIV. OF OIL, GAS & MINING

Signature J. Park Jentri Park  
Production Clerk  
Date 08/10/10

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74391

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 4-29-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333469

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:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 655 FNL 2045 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 29, T9S, R16E

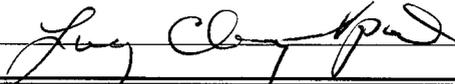
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>09/25/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 09-25-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 09/27/2010

(This space for State use only)

**RECEIVED**  
**SEP 30 2010**  
DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**FEDERAL 4-29-9-16****7/1/2010 To 11/30/2010****9/8/2010 Day: 1****Completion**

Rigless on 9/8/2010 - Ran CBL & shot 1st stage - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6092' & cement top @ 132'. Perforate stage #1, BslSd sds @ 6009-17' w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 24 shots. 148 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$6,800**9/17/2010 Day: 2****Completion**

Rigless on 9/17/2010 - MIRU BJ Services & Perforators WL. Frac 1st stage. Perforate & frac remaining 5 stages. Flowback well for 4 1/2 hrs. Well died. Rec 737 BTF. SIWFN w/ 1806 BWTR. - MIRU BJ Services & Perforators WL. Frac 1st stage. Perforate & frac remaining 5 stages. Flowback well for 4 1/2 hrs. Well died. Rec 737 BTF. SIWFN w/ 1806 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$121,822**9/21/2010 Day: 3****Completion**

Nabors #809 on 9/21/2010 - MIRU Nabors 809. PU & RIH w/ 4 3/4" chomp bit & tbg. Circulated 71' of sand. Stuck tbg, Could not circulate. RU WL. Freepoint & cut tbg @ 4635'. Left 113' of fish in hole. LD 3 jts of tbg. SIWFN w/ 1806 BWTR. - MIRU Nabors 809. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit. Tagged sand @ 4677'. RU Nabor power swivel. Circulated 71' of sand. Made connection. Pressured up with no circulation. Stuck in the hole with tbg. Tried to reverse out. Could not circulate either way. Could not jar loose. RD power swivel. RU Perforators LLC. Free point tbg and cut off @ 4635'. Left 3 jts and 9' piece of 2 7/8" tbg, bit sub and 4 3/4" chomp in hole (113' of fish). LD 3 jts of tbg. EOT @ 4541'. SIWFN w/ 1806 BWTR>

**Daily Cost:** \$0**Cumulative Cost:** \$171,659**9/22/2010 Day: 4****Completion**

Nabors #809 on 9/22/2010 - TIH w/ washpipe. C/O to bit. TOH w/ washpipe. TIH w/ fish tools. Fish tbg. TOH w/ 30 jts of tbg. SIWFN w/ 1806 BWTR. - 0 psi on well. TOH w/ tbg. PU & RIH w/ 4 star's 4 1/2" shoe, 3- jts of washpipe, Top sub, x-overs, Jars & 142 jts of tbg. Tagged sand @ 4644'. RU Nabors power swivel. Circulate clean down to bit @ 4749'. Circulate well clean for 30 mins. LD 2 jts of tbg. RD power swivel. TOH w/ tbg & washpipe. PU & RIH w/ grapple, bumper sub, jars & tbg. Tag fish top @ 4636'. Latch onto fish. Jar free. TOH w/ 30 jts of tbg. EOT @ 3825'. SIWFN w/ 1806 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$184,897**9/23/2010 Day: 5****Completion**

Nabors #809 on 9/23/2010 - Finish TOH w/ tbg fish. LD fishing tools. Check bit. TIH w/ 4 3/4" chomp bit. D/O plugs. C/O to PBDT. TOH w/ 4 jts of tbg. EOT @ 6012'. SIWFN w/ 1966 BWTR. - 0 psi on well. Continue TOH w/ tbg fish. LD fishing tools. Check bit. TIH w/ 4 3/4" chomp bit, bit sub & 151 jts of 2 7/8" J-55 tbg. Tagged sand @ 4742'. RU Nabors power swivel. Circulate sand & drill out plugs. Sand @ 4742', Plug @ 4790' (Drill out in 35 mins), Plug @ 5005' (Drilled out in 20 mins), Sand @ 5102', Plug @ 5154' (Drilled out in 25 mins), Plug @ 5345' (Drilled out in 35 mins), Sand @ 5831', Plug @ 5885' (Drilled out in 15 mins). Taged sand @ 6060'. C/O to PBDT @ 6130'. RD power swivel. TOH w/ 4 jts of tbg. EOT @ 6012'. SIWFN w/ 1966 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$195,432

**9/24/2010 Day: 6**

**Completion**

Nabors #809 on 9/24/2010 - Swab. C/O to PBDT. TOH w/ tbg. TIH w/ tbg. ND BOP. Set TA & NU WH. SIWFN w/ 2026 BWTR. - RU swab equipment. IFL @ surface. Made 18 swab runs. Rec 175 BTF. FFL @ 1500'. RD swab equipment. TIH w/ 4 jts of tbg. Tagged sand @ 6120'. C/O to PBDT @ 6130'. LD 3 jts of tbg. TOH w/ tbg. LD bit. TIH w/ production tbg as follows: NC, 1-jt, SN, 1- jt, TA, 190 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 2026 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$201,662

**9/25/2010 Day: 7**

**Completion**

Nabors #809 on 9/25/2010 - PU & RIH w/ "A" grade rod string. Hang head, Space out rods. RDMOSU. POP @ 5:00 PM w/ 144" SL @ 5 SPM w/ 2028 BWTR. FINAL REPORT!! - 0 psi on well. PU & RIH w/ "A" grade rods string as follows: Central hydraulic 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 234- 7/8" guided rods (8 per), 1- 6', 1- 2' X 7/8" pony rods, 1 1/2" X 30' polish rod. Hang head space out rods. Fill tbg w/ 2 bbls of wtr. Pressure test w/ unit to 800 psi. RDMOSU. POP @ 5:00 PM w/ 144" SL @ 5 SPM w/ 2028 BWTR. FINAL REPORT!!

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$243,179

**Pertinent Files: Go to File List**

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-74391

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

7. Unit or CA Agreement Name and No.  
GMBU

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
FEDERAL 4-29-9-16

3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202 3a. Phone No. (include area code)  
(435)646-3721

9. AFI Well No.  
43-013-33469

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 655' FNL & 2045' FWL (NE/NW) SEC. 29, T9S, R16E (UTU-74391)  
 At top prod. interval reported below 640' FNL & 902' FWL (NW/NW) SEC. 29, T9S, R16E (UTU-74391)  
 At total depth 659' FNL & 451' FWL (NW/NW) SEC. 29, T9S, R16E (UTU-74391)

10. Field and Pool or Exploratory  
GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area  
SEC. 29, T9S, R16E

12. County or Parish DUCHESNE 13. State UT

14. Date Spudded 08/11/2010 15. Date T.D. Reached 08/29/2010 16. Date Completed 09/24/2010  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6213' GL 6225' KB

18. Total Depth: MD 6203' TVD 5952' 19. Plug Back T.D.: MD 6130' TVD 5892' 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#	0	352'		170 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6176'		251 PRIMLITE		132'	
						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@ 6046'	TA @ 5978'						

25. Producing Intervals 26. Perforation Record 4736

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6009-6017' BslSd	.36"	3	24
B) Green River			5671-5810' CP2 CP4'	.36"	3	18
C) Green River			5202-5262' LODC	.36"	3	36
D) Green River			5060-5084' A1	.36"	3	36

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

Depth Interval	Amount and Type of Material
6009-6017'	Frac w/ 23721#s 20/40 sand in 208 bbls of Lightning 17 fluid.
5671-5810'	Frac w/ 8728#s 20/40 sand in 82 bbls of Lightning 17 fluid.
5202-5262'	Frac w/ 64809#s 20/40 sand in 397 bbls of Lightning 17 fluid.
5060-5084'	Frac w/ 45961#s 20/40 sand in 300 bbls of Lightning 17 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
9-27-10	10-6-10	24	→	69	64	53			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump
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.)

SOLD & 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	3659' 3864'
				GARDEN GULCH 2 POINT 3	3974' 4226'
				X MRKR Y MRKR	4498' 4531'
				DOUGALS CREEK MRK BI CARBONATE MRK	4646' 4881'
				B LIMESTON MRK CASTLE PEAK	4973' 5573'
				BASAL CARBONATE	6043'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (C & B2) 4833-4843', .36" 3/21 Frac w/ 29382#'s of 20/40 sand in 200 bbls of Lightning 17 fluid

Stage 6: Green River Formation (D2) 4736-4745', .36" 3/27 Frac w/ 33962#'s of 20/40 sand in 267 bbls of Lightning 17 fluid

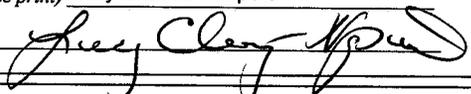
33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature 

Date 10/07/2010

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.

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 29 T9S, R16E  
4-29-9-16**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**05 October, 2010**





# PayZone Directional Services, LLC.

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 29 T9S, R16E  
**Well:** 4-29-9-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 4-29-9-16  
**TVD Reference:** 4-29-9-16 @ 6225.3ft (RIG 328)  
**MD Reference:** 4-29-9-16 @ 6225.3ft (RIG 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	SECTION 29 T9S, R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,172,000.00ft	<b>Latitude:</b>	40° 0' 3.985 N
<b>From:</b>	Map	<b>Easting:</b>	2,019,851.56ft	<b>Longitude:</b>	110° 8' 43.652 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.87 °

<b>Well</b>	4-29-9-16, SHL LAT: 40 00 26.42, LONG: -110 08 43.21					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,174,270.25 ft	<b>Latitude:</b>	40° 0' 26.420 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,019,851.56 ft	<b>Longitude:</b>	110° 8' 43.210 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	6,225.3 ft	<b>Ground Level:</b>	6,213.3 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2010/08/24	11.44	65.77	52,312

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	269.60	

<b>Survey Program</b>	Date 2010/10/05			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
382.0	6,193.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
382.0	1.19	239.56	382.0	-2.0	-3.4	3.4	0.31	0.31	0.00
413.0	1.10	248.10	413.0	-2.3	-4.0	4.0	0.62	-0.29	27.55
444.0	1.10	264.10	444.0	-2.4	-4.5	4.6	0.99	0.00	51.61
474.0	1.65	274.20	474.0	-2.4	-5.3	5.3	2.00	1.83	33.67
505.0	2.07	278.36	504.9	-2.3	-6.3	6.3	1.42	1.35	13.42
535.0	2.46	275.97	534.9	-2.2	-7.4	7.5	1.34	1.30	-7.97
566.0	2.81	276.91	565.9	-2.0	-8.9	8.9	1.14	1.13	3.03
597.0	3.20	280.60	596.8	-1.8	-10.5	10.5	1.40	1.26	11.90
628.0	3.47	282.41	627.8	-1.4	-12.2	12.2	0.93	0.87	5.84
658.0	3.82	280.96	657.7	-1.0	-14.1	14.1	1.21	1.17	-4.83
689.0	4.30	273.50	688.6	-0.7	-16.3	16.3	2.30	1.55	-24.06
720.0	5.00	272.20	719.5	-0.6	-18.8	18.8	2.28	2.26	-4.19



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Local Co-ordinate Reference: Well 4-29-9-16  
 TVD Reference: 4-29-9-16 @ 6225.3ft (RIG 328)  
 MD Reference: 4-29-9-16 @ 6225.3ft (RIG 328)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
750.0	5.71	271.02	749.4	-0.5	-21.6	21.6	2.39	2.37	-3.93
781.0	6.15	269.05	780.2	-0.5	-24.8	24.8	1.56	1.42	-6.35
826.0	6.95	267.35	825.0	-0.7	-29.9	29.9	1.83	1.78	-3.78
871.0	7.29	264.56	869.6	-1.1	-35.5	35.5	1.08	0.76	-6.20
917.0	7.73	265.50	915.2	-1.6	-41.5	41.5	0.99	0.96	2.04
962.0	8.10	268.60	959.8	-1.9	-47.6	47.7	1.26	0.82	6.89
1,007.0	8.20	269.66	1,004.3	-2.0	-54.0	54.0	0.40	0.22	2.36
1,053.0	8.61	271.30	1,049.8	-2.0	-60.7	60.8	1.03	0.89	3.57
1,098.0	9.30	275.70	1,094.3	-1.5	-67.7	67.7	2.16	1.53	9.78
1,143.0	9.90	276.30	1,138.7	-0.8	-75.2	75.2	1.35	1.33	1.33
1,189.0	10.20	276.80	1,183.9	0.2	-83.2	83.2	0.68	0.65	1.09
1,233.0	10.80	276.60	1,227.2	1.1	-91.1	91.1	1.37	1.36	-0.45
1,278.0	11.20	278.90	1,271.4	2.3	-99.6	99.6	1.32	0.89	5.11
1,324.0	12.00	278.10	1,316.4	3.6	-108.8	108.8	1.77	1.74	-1.74
1,369.0	13.50	276.80	1,360.3	4.9	-118.6	118.6	3.39	3.33	-2.89
1,414.0	14.80	272.80	1,404.0	5.8	-129.6	129.5	3.61	2.89	-8.89
1,460.0	16.00	272.80	1,448.3	6.4	-141.8	141.7	2.61	2.61	0.00
1,505.0	16.70	272.80	1,491.5	7.0	-154.4	154.4	1.56	1.56	0.00
1,550.0	17.00	273.10	1,534.6	7.7	-167.5	167.4	0.69	0.67	0.67
1,596.0	18.00	272.50	1,578.4	8.4	-181.3	181.2	2.21	2.17	-1.30
1,641.0	18.40	270.30	1,621.2	8.7	-195.3	195.3	1.77	0.89	-4.89
1,686.0	18.70	269.10	1,663.8	8.6	-209.7	209.6	1.08	0.67	-2.67
1,731.0	19.00	267.60	1,706.4	8.2	-224.2	224.1	1.27	0.67	-3.33
1,777.0	18.90	266.90	1,749.9	7.5	-239.1	239.0	0.54	-0.22	-1.52
1,822.0	19.10	266.70	1,792.5	6.7	-253.7	253.7	0.47	0.44	-0.44
1,867.0	19.10	267.40	1,835.0	5.9	-268.4	268.4	0.51	0.00	1.56
1,912.0	18.60	265.30	1,877.6	5.0	-282.9	282.9	1.87	-1.11	-4.67
1,958.0	18.60	265.10	1,921.2	3.8	-297.6	297.5	0.14	0.00	-0.43
2,003.0	18.80	265.90	1,963.8	2.6	-311.9	311.9	0.72	0.44	1.78
2,048.0	18.40	266.70	2,006.5	1.7	-326.3	326.3	1.05	-0.89	1.78
2,094.0	18.00	266.40	2,050.2	0.9	-340.6	340.6	0.89	-0.87	-0.65
2,139.0	18.10	266.60	2,093.0	0.0	-354.5	354.5	0.26	0.22	0.44
2,184.0	18.20	267.40	2,135.7	-0.7	-368.5	368.5	0.60	0.22	1.78
2,230.0	18.30	268.40	2,179.4	-1.3	-382.9	382.9	0.71	0.22	2.17
2,275.0	18.19	267.47	2,222.1	-1.8	-397.0	397.0	0.69	-0.24	-2.07
2,320.0	18.30	266.60	2,264.9	-2.5	-411.1	411.1	0.65	0.24	-1.93
2,365.0	18.40	265.30	2,307.6	-3.5	-425.2	425.2	0.94	0.22	-2.89
2,411.0	18.30	264.30	2,351.3	-4.8	-439.6	439.6	0.72	-0.22	-2.17
2,456.0	17.40	262.30	2,394.1	-6.4	-453.3	453.4	2.42	-2.00	-4.44
2,501.0	16.00	263.60	2,437.2	-8.0	-466.2	466.2	3.22	-3.11	2.89
2,547.0	16.10	264.00	2,481.4	-9.4	-478.8	478.9	0.32	0.22	0.87
2,592.0	16.10	266.10	2,524.6	-10.5	-491.2	491.3	1.29	0.00	4.67
2,637.0	15.80	266.10	2,567.9	-11.3	-503.6	503.6	0.67	-0.67	0.00
2,682.0	16.40	267.40	2,611.1	-12.0	-516.0	516.1	1.56	1.33	2.89
2,728.0	17.60	270.00	2,655.1	-12.3	-529.5	529.5	3.09	2.61	5.65
2,773.0	17.80	270.40	2,698.0	-12.3	-543.1	543.2	0.52	0.44	0.89
2,818.0	18.60	271.40	2,740.7	-12.0	-557.2	557.3	1.91	1.78	2.22
2,864.0	18.50	272.10	2,784.3	-11.6	-571.8	571.9	0.53	-0.22	1.52
2,909.0	18.60	271.00	2,827.0	-11.2	-586.1	586.2	0.81	0.22	-2.44
2,954.0	18.40	270.80	2,869.7	-11.0	-600.4	600.5	0.47	-0.44	-0.44
2,999.0	18.50	271.20	2,912.4	-10.7	-614.7	614.7	0.36	0.22	0.89
3,045.0	17.70	271.20	2,956.1	-10.4	-628.9	629.0	1.74	-1.74	0.00
3,090.0	17.89	270.40	2,998.9	-10.2	-642.7	642.7	0.69	0.42	-1.78
3,135.0	18.30	269.66	3,041.7	-10.2	-656.7	656.7	1.04	0.91	-1.64



# PayZone Directional Services, LLC.

## Survey Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 29 T9S, R16E  
 Well: 4-29-9-16  
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### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,181.0	18.46	270.67	3,085.4	-10.2	-671.2	671.2	0.77	0.35	2.20
3,226.0	19.00	271.10	3,128.0	-10.0	-685.6	685.7	1.24	1.20	0.96
3,271.0	19.20	270.80	3,170.5	-9.7	-700.3	700.4	0.50	0.44	-0.67
3,316.0	19.40	270.90	3,213.0	-9.5	-715.2	715.3	0.45	0.44	0.22
3,362.0	19.90	271.20	3,256.3	-9.2	-730.7	730.7	1.11	1.09	0.65
3,407.0	19.50	270.90	3,298.7	-8.9	-745.8	745.9	0.92	-0.89	-0.67
3,452.0	19.50	270.30	3,341.1	-8.8	-760.9	760.9	0.45	0.00	-1.33
3,497.0	19.60	270.70	3,383.5	-8.6	-775.9	776.0	0.37	0.22	0.89
3,543.0	19.25	270.30	3,426.9	-8.5	-791.2	791.3	0.81	-0.76	-0.87
3,588.0	18.80	269.30	3,469.4	-8.6	-805.9	805.9	1.23	-1.00	-2.22
3,633.0	18.40	268.70	3,512.1	-8.8	-820.2	820.3	0.99	-0.89	-1.33
3,678.0	17.90	267.50	3,554.8	-9.3	-834.3	834.3	1.39	-1.11	-2.67
3,724.0	18.00	267.90	3,598.6	-9.8	-848.4	848.5	0.35	0.22	0.87
3,769.0	18.00	267.60	3,641.4	-10.4	-862.3	862.4	0.21	0.00	-0.67
3,814.0	18.00	269.80	3,684.2	-10.7	-876.2	876.3	1.51	0.00	4.89
3,860.0	18.00	270.90	3,727.9	-10.6	-890.4	890.5	0.74	0.00	2.39
3,905.0	18.40	272.00	3,770.7	-10.3	-904.5	904.5	1.17	0.89	2.44
3,951.0	18.50	271.70	3,814.3	-9.8	-919.0	919.1	0.30	0.22	-0.65
3,996.0	18.80	271.80	3,857.0	-9.3	-933.4	933.5	0.67	0.67	0.22
4,041.0	18.60	270.50	3,899.6	-9.1	-947.8	947.9	1.03	-0.44	-2.89
4,085.0	18.70	270.10	3,941.3	-9.0	-961.9	961.9	0.37	0.23	-0.91
4,131.0	18.50	270.50	3,984.9	-8.9	-976.6	976.6	0.52	-0.43	0.87
4,176.0	17.50	269.00	4,027.7	-9.0	-990.5	990.5	2.45	-2.22	-3.33
4,221.0	17.10	268.30	4,070.6	-9.3	-1,003.9	1,003.9	1.00	-0.89	-1.56
4,266.0	16.60	267.90	4,113.7	-9.7	-1,016.9	1,016.9	1.14	-1.11	-0.89
4,312.0	16.10	266.70	4,157.8	-10.3	-1,029.8	1,029.9	1.31	-1.09	-2.61
4,357.0	15.80	265.80	4,201.1	-11.1	-1,042.2	1,042.2	0.86	-0.67	-2.00
4,402.0	15.80	265.80	4,244.4	-12.0	-1,054.4	1,054.4	0.00	0.00	0.00
4,447.0	15.70	265.30	4,287.7	-13.0	-1,066.6	1,066.6	0.37	-0.22	-1.11
4,493.0	16.20	265.90	4,331.9	-13.9	-1,079.2	1,079.2	1.14	1.09	1.30
4,538.0	15.80	266.50	4,375.2	-14.8	-1,091.5	1,091.6	0.96	-0.89	1.33
4,583.0	16.00	269.80	4,418.5	-15.2	-1,103.9	1,103.9	2.06	0.44	7.33
4,628.0	16.80	270.10	4,461.6	-15.2	-1,116.6	1,116.6	1.79	1.78	0.67
4,674.0	16.90	269.20	4,505.7	-15.2	-1,129.9	1,130.0	0.61	0.22	-1.96
4,719.0	17.00	269.60	4,548.7	-15.4	-1,143.0	1,143.1	0.34	0.22	0.89
4,764.0	17.60	270.00	4,591.7	-15.4	-1,156.4	1,156.5	1.36	1.33	0.89
4,809.0	17.80	269.50	4,634.5	-15.5	-1,170.1	1,170.2	0.56	0.44	-1.11
4,854.0	17.80	270.30	4,677.4	-15.5	-1,183.8	1,183.9	0.54	0.00	1.78
4,900.0	17.90	271.00	4,721.2	-15.4	-1,197.9	1,198.0	0.51	0.22	1.52
4,945.0	18.50	271.70	4,763.9	-15.0	-1,212.0	1,212.1	1.42	1.33	1.56
4,990.0	18.00	273.40	4,806.7	-14.4	-1,226.1	1,226.1	1.62	-1.11	3.78
5,035.0	17.70	274.40	4,849.5	-13.5	-1,239.8	1,239.9	0.95	-0.67	2.22
5,081.0	17.80	273.00	4,893.3	-12.6	-1,253.8	1,253.9	0.95	0.22	-3.04
5,126.0	17.20	274.40	4,936.2	-11.7	-1,267.3	1,267.4	1.63	-1.33	3.11
5,172.0	17.10	273.50	4,980.2	-10.8	-1,280.9	1,280.9	0.62	-0.22	-1.96
5,217.0	17.80	274.70	5,023.1	-9.8	-1,294.3	1,294.3	1.75	1.56	2.67
5,262.0	17.90	276.10	5,065.9	-8.5	-1,308.0	1,308.1	0.98	0.22	3.11
5,308.0	17.70	274.90	5,109.7	-7.1	-1,322.0	1,322.1	0.91	-0.43	-2.61
5,353.0	17.20	272.90	5,152.7	-6.2	-1,335.5	1,335.5	1.74	-1.11	-4.44
5,398.0	16.60	273.20	5,195.7	-5.5	-1,348.6	1,348.6	1.35	-1.33	0.67
5,443.0	15.50	271.10	5,239.0	-5.0	-1,361.0	1,361.0	2.76	-2.44	-4.67
5,489.0	15.30	272.20	5,283.3	-4.7	-1,373.2	1,373.2	0.77	-0.43	2.39
5,508.0	15.51	272.16	5,301.6	-4.5	-1,378.2	1,378.2	1.11	1.11	-0.23

4-29-9-16 TGT



# PayZone Directional Services, LLC.

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 29 T9S, R16E  
**Well:** 4-29-9-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 4-29-9-16  
**TVD Reference:** 4-29-9-16 @ 6225.3ft (RIG 328)  
**MD Reference:** 4-29-9-16 @ 6225.3ft (RIG 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,534.0	15.80	272.10	5,326.7	-4.2	-1,385.3	1,385.3	1.11	1.11	-0.22
5,579.0	16.10	270.20	5,369.9	-4.0	-1,397.6	1,397.6	1.34	0.67	-4.22
5,625.0	17.10	268.40	5,414.0	-4.2	-1,410.8	1,410.8	2.44	2.17	-3.91
5,670.0	18.10	267.40	5,456.9	-4.7	-1,424.4	1,424.4	2.32	2.22	-2.22
5,715.0	17.40	267.50	5,499.8	-5.3	-1,438.1	1,438.1	1.56	-1.56	0.22
5,761.0	17.30	267.90	5,543.7	-5.8	-1,451.8	1,451.8	0.34	-0.22	0.87
5,806.0	18.10	267.90	5,586.6	-6.3	-1,465.4	1,465.4	1.78	1.78	0.00
5,851.0	18.30	268.70	5,629.3	-6.7	-1,479.5	1,479.5	0.71	0.44	1.78
5,897.0	19.30	267.10	5,672.8	-7.3	-1,494.3	1,494.3	2.45	2.17	-3.48
5,942.0	20.00	266.20	5,715.2	-8.2	-1,509.4	1,509.4	1.69	1.56	-2.00
5,987.0	19.70	265.80	5,757.6	-9.2	-1,524.7	1,524.7	0.73	-0.67	-0.89
6,033.0	19.60	265.50	5,800.9	-10.4	-1,540.1	1,540.1	0.31	-0.22	-0.65
6,078.0	19.90	264.20	5,843.2	-11.8	-1,555.2	1,555.3	1.18	0.67	-2.89
6,138.0	19.60	263.90	5,899.7	-13.9	-1,575.4	1,575.4	0.53	-0.50	-0.50
6,193.0	19.30	263.40	5,951.6	-15.9	-1,593.6	1,593.7	0.62	-0.55	-0.91

### Wellbore Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
4-29-9-16 TGT	0.00	0.00	5,300.0	-9.7	-1,384.3	7,174,239.63	2,018,467.54	40° 0' 26.324 N	110° 9' 1.002 W
- actual wellpath misses by 8.1ft at 5508.0ft MD (5301.6 TVD, -4.5 N, -1378.2 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

# NEWFIELD



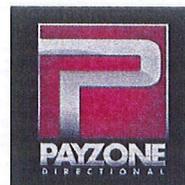
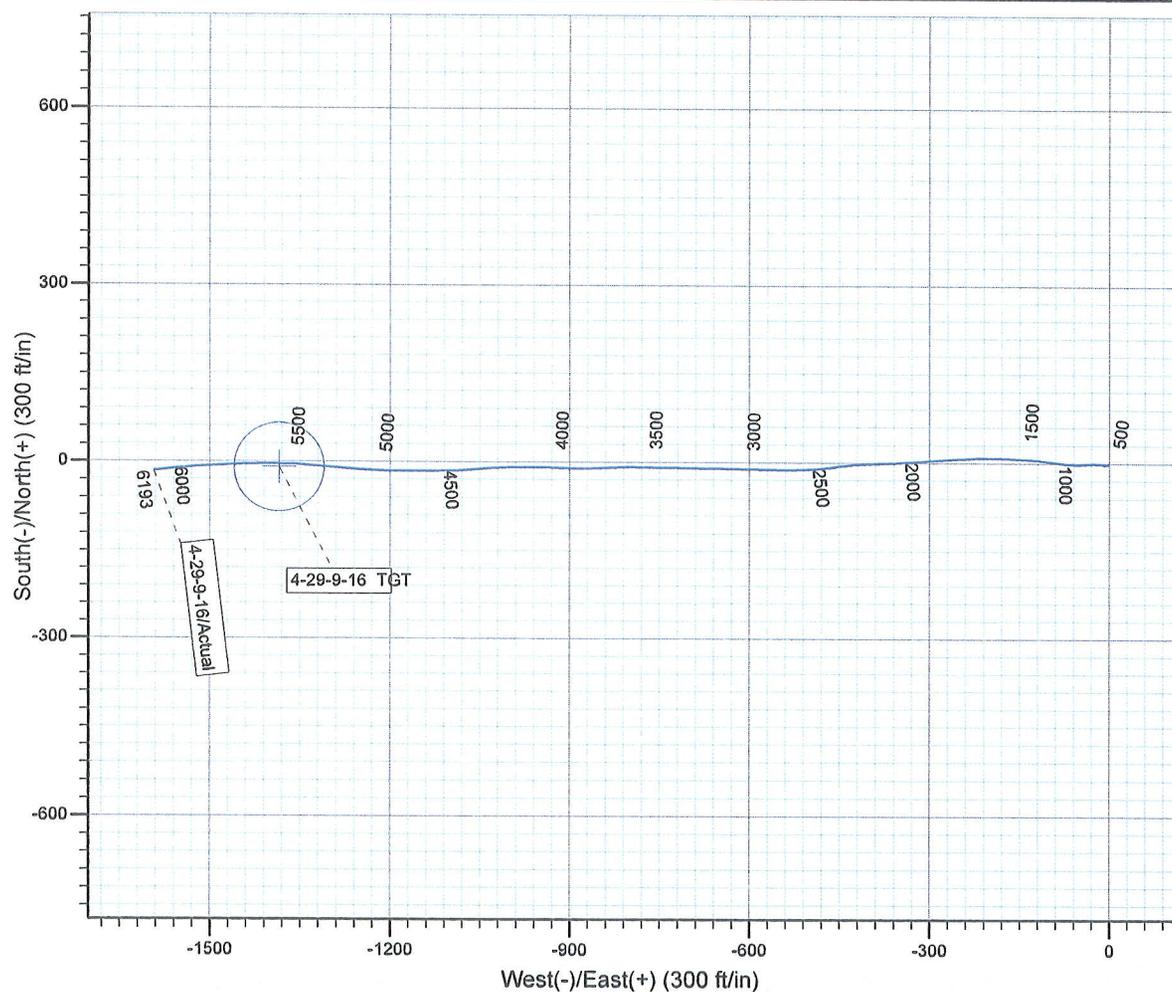
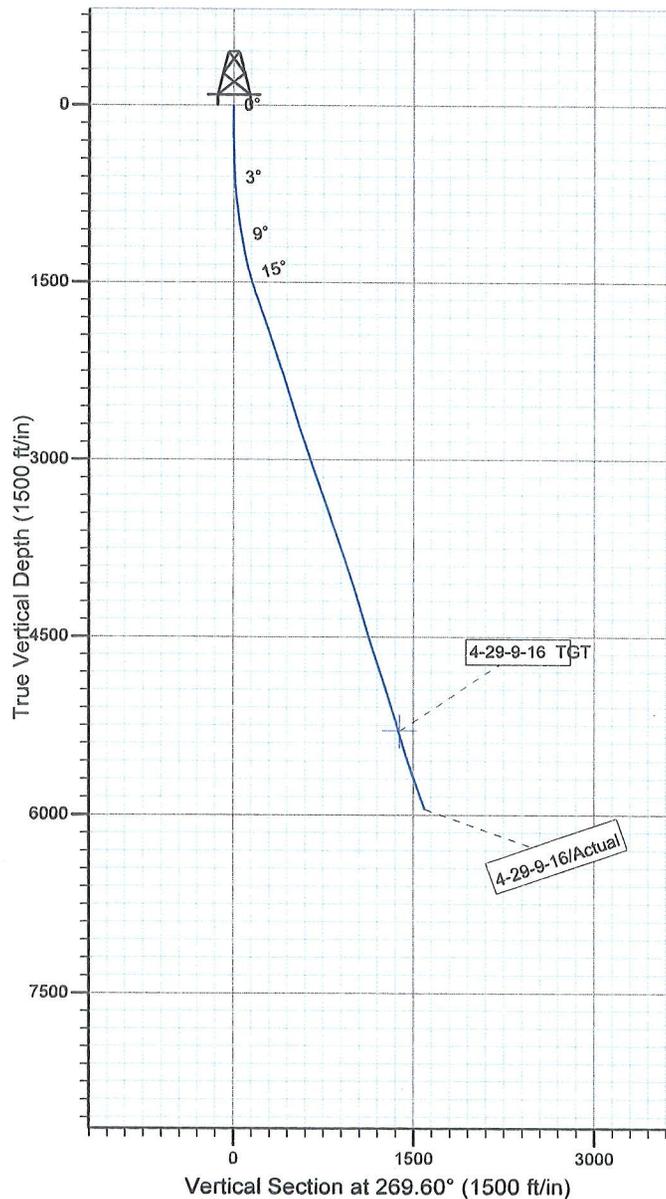
Project: USGS Myton SW (UT)  
 Site: SECTION 29 T9S, R16E  
 Well: 4-29-9-16  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.44°

Magnetic Field  
 Strength: 52312.2snT  
 Dip Angle: 65.77°  
 Date: 2010/08/24  
 Model: IGRF2010



Design: Actual (4-29-9-16/Wellbore #1)

Created By: *Jim Hudson* Date: 15:36, October 05 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report**

Format For Sundry

**FEDERAL 4-29-9-16****6/1/2010 To 10/30/2010****FEDERAL 4-29-9-16****Waiting on Cement****Date:** 8/18/2010

Ross #29 at 350. Days Since Spud - casing (guide shoe, shoe jt, baffle plate, 7 jts) set @ 352.13' KB. On 8/18/10 BJ Services cemented - Returned 4 bbls to pit. - On 8/11/10 Ross Rig #29 spud Federal 4-29-9-16, drilled 350' of 12 1/4" hole, and ran 8 jts 8 5/8" - 8 5/8" casing w/ 170 sks Class "G" + 2% CaCl<sub>2</sub> + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield.

**Daily Cost:** \$0**Cumulative Cost:** \$30,177**FEDERAL 4-29-9-16****Drill 7 7/8" hole with fresh water****Date:** 8/26/2010

Capstar #328 at 1062. 1 Days Since Spud - NO H<sub>2</sub>S or flow in last 24 hours - Drill 7 7/8" hole F/ 289' to 1062' w/ 15K WOB,TRPM-184,GPM-409,Avg ROP-140 ft/hr - P/U bit , m.m and directional tool and Orient tools and Tag @ 289' - R/U B&C and test pipe&blind rams,kelly,choke to 2000#/10min and casing 1500#/30 min. - Move Rig 16 miles w/ Howcroft Trucking and set equipment - Nipple up BOP

**Daily Cost:** \$0**Cumulative Cost:** \$85,116**FEDERAL 4-29-9-16****Drill 7 7/8" hole with fresh water****Date:** 8/27/2010

Capstar #328 at 4548. 2 Days Since Spud - NO H<sub>2</sub>S or flow reported in last 24 hours - Drill 7 7/8" hole F/2781' to 4548' w/ 20K WOB,TRPM-184,GPM-409,Avg ROP-114 ft/hr - Drill 7 7/8" hole F/ 1062' to 2781' w/ 18K WOB,TRPM-184,GPM-409,Avg ROP-215 ft/hr - Rig Service, check crownomatic and BOP

**Daily Cost:** \$0**Cumulative Cost:** \$112,115**FEDERAL 4-29-9-16****Drill 7 7/8" hole with fresh water****Date:** 8/28/2010

Capstar #328 at 5317. 3 Days Since Spud - Circ f/ Bit Trip - TOOH f/ Bit - Rig serv - PU new bit & TIH W/ no returns - Repair swivel lock - Work on MWD Tools - Drill 7 7/8" hole F/4729' to 5317' w/ 18/20K WOB,TRPM-184,GPM-409,Avg ROP-69 ft/hr - Drill 7 7/8" hole F/4548' to 4729' w/ 18/20K WOB,TRPM-184,GPM-409,Avg ROP-40 ft/hr

**Daily Cost:** \$0**Cumulative Cost:** \$144,492**FEDERAL 4-29-9-16****Logging****Date:** 8/29/2010

Capstar #328 at 6203. 4 Days Since Spud - RU & Run 146 jts of 5.5 J55 15.5# LT&C casing shoe @ 6176.56' Float collar 6130.87' - Test 5.5 casing rams to 2000#s f/ 10 min - Log well w/Duel Guard Gamma Ray & Compensated Density Compensated Neutron Gamma Ray Loggers TD 6266' - Held safety mtg & RU Phoenix survey & log - LDDP & BHA - Circ - Drill 7 7/8" hole F/5725' to 6203' w/ 22/20K WOB,TRPM-184,GPM-409,Avg ROP-63 ft/hr - Rig serv - Drill 7 7/8" hole F/5317' to 5725' w/ 22/20K WOB,TRPM-184,GPM-409,Avg ROP-58 ft/hr - Circ f/ cement job - RU BJ Serv PSI test lines & cement W 251 sks of lead cmt 11 ppg 3.53 yeild

PLII+3%KCL+5#CSE+0.5#CF+2 - #KOL+.5SMS+FP+SF & 450 sks of Tail cmt mixed @ 14.4 ppg & 1.24 yeild 50:50:2+3%KCL+0.5%EC-1+.25#CF+. - 05#SF+.3SMS+FP-6L Disp 146 bbls 26 bbls cmt returned to pits - Nipple down & set 5.5 slip w/ 80,000#s - Clean mud pits - Release rig @ 10:30 PM on 8/29/10 - Drill 7 7/8" hole F/5317' to 5725' w/ 22/20K WOB,TRPM-184,GPM-409,Avg ROP-58 ft/hr - Rig serv - Drill 7 7/8" hole F/5725' to 6203' w/ 22/20K WOB,TRPM-184,GPM-409,Avg ROP-63 ft/hr - Circ - LDDP & BHA - Held saftey mtg & RU Phoenix survey & log - Log well w/Duel Guard Gamma Ray & Compensated Density Compensated Neutron Gamma Ray Loggers TD 6266' - Test 5.5 casing rams to 2000#s f/ 10 min - RU & Run 146 jts of 5.5 J55 15.5# LT&C casing shoe @ 6176.56' Float collar 6130.87' - Circ f/ cement job - RU BJ Serv PSI test lines & cement W 251 sks of lead cmt 11 ppg 3.53 yeild PLII+3%KCL+5#CSE+0.5#CF+2 - #KOL+.5SMS+FP+SF & 450 sks of Tail cmt mixed @ 14.4 ppg & 1.24 yeild 50:50:2+3%KCL+0.5%EC-1+.25#CF+. - 05#SF+.3SMS+FP-6L Disp 146 bbls 26 bbls cmt returned to pits - Nipple down & set 5.5 slip w/ 80,000#s - Release rig @ 10:30 PM on 8/29/10 - Clean mud pits **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$189,443

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**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-74391
<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 4-29-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013334690000
<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> 0655 FNL 2045 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 29 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: 10/1/2013	<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 subject well has been converted from a producing oil well to an injection well on 10/01/2013. On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

**Date:** November 05, 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> 10/8/2013	

# Casing or Annulus Pressure Test

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

Witness: *[Signature]* Date 10/1/13 Time 12:15 am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

Well: Federal 4-29-9-16 Field: Monument Butte  
Well Location: Federal 3-29-9-16 API No: 4301333469

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: *[Signature]*  
Signature of Person Conducting Test: *[Signature]*



**Daily Activity Report**

Format For Sundry

**FEDERAL 4-29-9-16****7/1/2013 To 11/30/2013****10/2/2013 Day: 3****Conversion**

Wild cat #2 on 10/2/2013 - RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST - FLUSHED CSG W/ 60 BBLS @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLS @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - FLUSHED CSG W/ 60 BBLS @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLS @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - FLUSHED CSG W/ 60 BBLS @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLS @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 1:00PM TOOH 148 JTS TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 1:00PM TO 2:00PM LD 44-JTS TBG ON TRAILER, 1- TAC, 1-PSN, 1-NC 2:00PM TO 5:00PM TIH W/ INJECTION PKR ASSEMBLY, 148 JTS TBG 5:00PM TO 6:00PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ SL 6:00PM TO 7:00PM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST R - 1:00PM TOOH 148 JTS TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 1:00PM TO 2:00PM LD 44-JTS TBG ON TRAILER, 1- TAC, 1-PSN, 1-NC 2:00PM TO 5:00PM TIH W/ INJECTION PKR ASSEMBLY, 148 JTS TBG 5:00PM TO 6:00PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ SL 6:00PM TO 7:00PM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST R - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM

RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLS PKR FLUID DOWN CSG  
9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST  
10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY  
MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50  
BBLS PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100%  
FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - FLUSHED CSG W/ 60 BBLS  
@250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO  
10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLS @250DEG, PU 2-RODS, 2-PONY RODS,  
1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST  
10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1  
1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC  
NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - FLUSHED CSG W/ 60  
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**Daily Cost:** \$0

**Cumulative Cost:** \$28,536

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**10/3/2013 Day: 4**

**Conversion**

Rigless on 10/3/2013 - Conduct initial MIT - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$54,248

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**Pertinent Files: Go to File List**

Spud Date: 8-11-10  
 Put on Production: 9-24-10  
 GL: 6213' KB: 6225'

# Federal 4-29-9-16

## Injection Wellbore Diagram

### SURFACE CASING

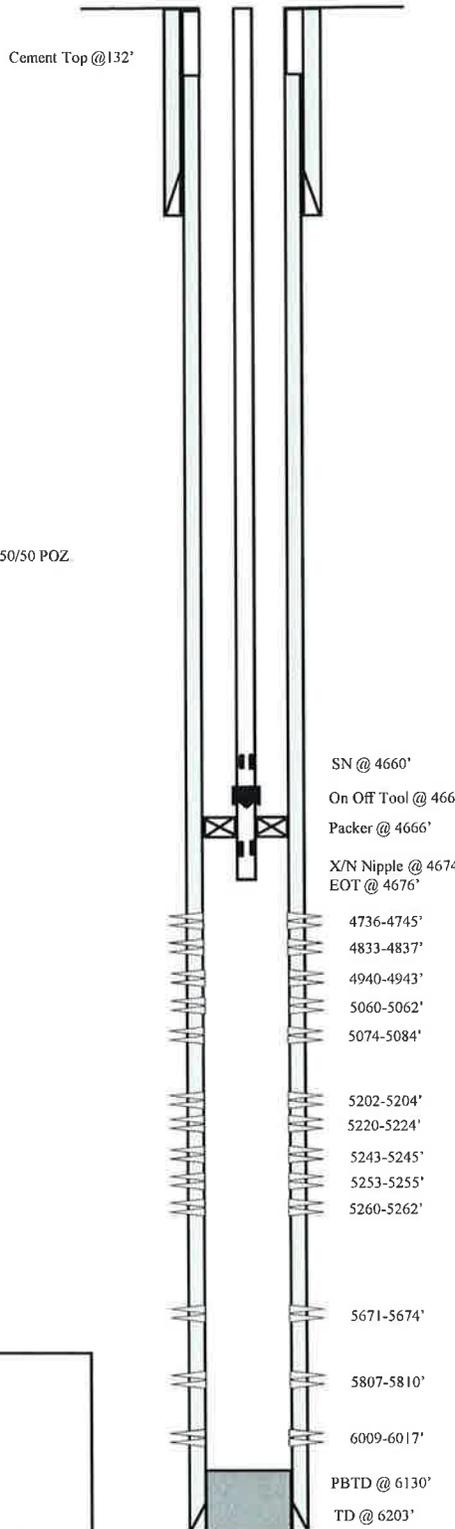
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (339.28)  
 DEPTH LANDED: 352.13'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146jts. (6160.56')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6176.56'  
 CEMENT DATA: 251 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 132'

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jts (4650')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4660' KB  
 ON/OFF TOOL AT: 4661.1'  
 ARROW #1 PACKER CE AT: 4666.3'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4669.9'  
 TBG PUP 2-3/8 J-55 AT: 4670.4'  
 X/N NIPPLE AT: 4674.5'  
 TOTAL STRING LENGTH: EOT @ 4676.34'



### FRAC JOB

9-8-10 6009-6017' **Frac BsLSD sands as follows:**Frac with 23721# 20/40 sand in 208 bbls lightning 17 fluid.  
 9-17-10 5671-5810' **Frac CP2 & CP3 sands as follows:**Frac with 8728# 20/40 sand in 82 bbls Lightning 17 fluid.  
 9-17-10 5202-5262' **Frac LODC sands as follows:**Frac with 64809# 20/40 sand in 397 bbls Lightning 17 fluid.  
 9-17-10 5060-5084' **Frac A1 sands as follows:**Frac with 45961# 20/40 sand in 300bbls Lightning 17 fluid.  
 9-17-10 4833-4943' **Frac C & B2 sands as follows:**Frac with 29382# 20/40 sand in 200bbls Lightning 17 fluid.  
 9-17-10 4736-4745' **Frac D2 sands as follows:**Frac with 33962# 20/40 sand in 267 bbls Lightning 17 fluid.  
 03/10/11 **Pump change** Rods & tubing updated.  
 10/01/13 **Convert to Injection Well**  
 10/01/13 **Conversion MIT Finalized** – update tbg detail

### PERFORATION RECORD

Interval	Count	Notes
6009-6017'	3 JSPF	24 holes
5807-5810'	3 JSPF	9 holes
5671-5674'	3 JSPF	9holes
5260-5262'	3 JSPF	6 holes
5253-5255'	3 JSPF	6 holes
5243-5245'	3 JSPF	6 holes
5220-5224'	3 JSPF	12 holes
5202-5204'	3 JSPF	6 holes
5074-5084'	3 JSPF	30 holes
5060-5062'	3 JSPF	6 holes
4940-4943'	3 JSPF	9 holes
4833-4837'	3 JSPF	12 holes
4736-4745'	3 JSPF	27 holes



**Federal 4-29-9-16**  
 655'FNL & 2045'FWL (NE/NW)  
 Section 29, T9S, R16  
 Duchesne Co, Utah  
 API # 43-013-33469; Lease # UTU-74391

<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74391
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 4-29-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013334690000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0655 FNL 2045 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 29 Township: 09.0S Range: 16.0E Meridian: S		<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: 11/7/2013	<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 type="text"/>

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

The above reference well was put on injection at 9:15 AM on  
11/07/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 12, 2013**

<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> 11/11/2013	



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

May 8, 2013

RECEIVED

MAY 09 2013

DIV. OF OIL, GAS & MINING

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

RE: Permit Application for Water Injection Well  
Federal #4-29-9-16  
Monument Butte Field, Lease #UTU-74391  
Section 29-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-29-9-16 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 #4-29-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74391**  
**MAY 8, 2013**

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 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

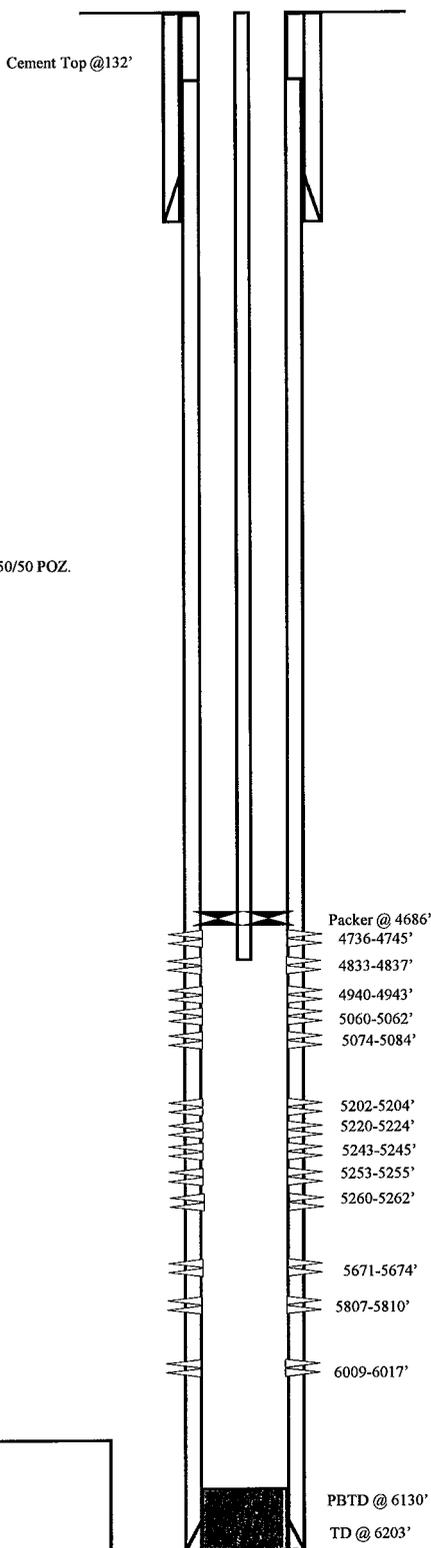
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146jts. (6160.56')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6176.56'  
 CEMENT DATA: 251 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 132'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5965.4')  
 TUBING ANCHOR: 5978.'  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 6012.6' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 TOTAL STRING LENGTH: EOT @ 6046'

## Proposed Injection Wellbore Diagram



## FRAC JOB

9-8-10	6009-6017'	Frac BsLSD sands as follows:Frac with 23721# 20/40 sand in 208 bbls lightning 17 fluid.
9-17-10	5671-5810'	Frac CP2 & CP3 sands as follows:Frac with 8728# 20/40 sand in 82 bbls Lightning 17 fluid.
9-17-10	5202-5262'	Frac LODC sands as follows:Frac with 64809# 20/40 sand in 397 bbls Lightning 17 fluid.
9-17-10	5060-5084'	Frac A1 sands as follows:Frac with 45961# 20/40 sand in 300bbls Lightning 17 fluid.
9-17-10	4833-4943'	Frac C & B2 sands as follows:Frac with 29382# 20/40 sand in 200bbls Lightning 17 fluid.
9-17-10	4736-4745'	Frac D2 sands as follows:Frac with 33962# 20/40 sand in 267 bbls Lightning 17 fluid.
03/10/11		Pump change. Rods & tubing updated.

## PERFORATION RECORD

6009-6017'	3 JSPP	24 holes
5807-5810'	3 JSPP	9 holes
5671-5674'	3 JSPP	9holes
5260-5262'	3 JSPP	6 holes
5253-5255'	3 JSPP	6 holes
5243-5245'	3 JSPP	6 holes
5220-5224'	3 JSPP	12 holes
5202-5204'	3 JSPP	6 holes
5074-5084'	3 JSPP	30 holes
5060-5062'	3 JSPP	6 holes
4940-4943'	3 JSPP	9 holes
4833-4837'	3 JSPP	12 holes
4736-4745'	3 JSPP	27 holes

**NEWFIELD**



**Federal 4-29-9-16**  
 655'FNL & 2045'FWL (NE/NW)  
 Section 29, T9S, R16  
 Duchesne Co, Utah  
 API # 43-013-33469; Lease # UTU-74391

## 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 #4-29-9-16 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 #4-29-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3837' - 6130'). 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 3537' and the TD is at 6203'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #4-29-9-16 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-74391) 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 352' KB, and 5-1/2", 15.5# casing run from surface to 6177' 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 1287 psig.

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

The minimum fracture gradient for the Federal #4-29-9-16, for existing perforations (4736' – 6017') calculates at 0.65 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 1287 psig. We may add additional perforations between 3537' and 6203'. 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 #4-29-9-16, the proposed injection zone (3837' - 6130') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-10.

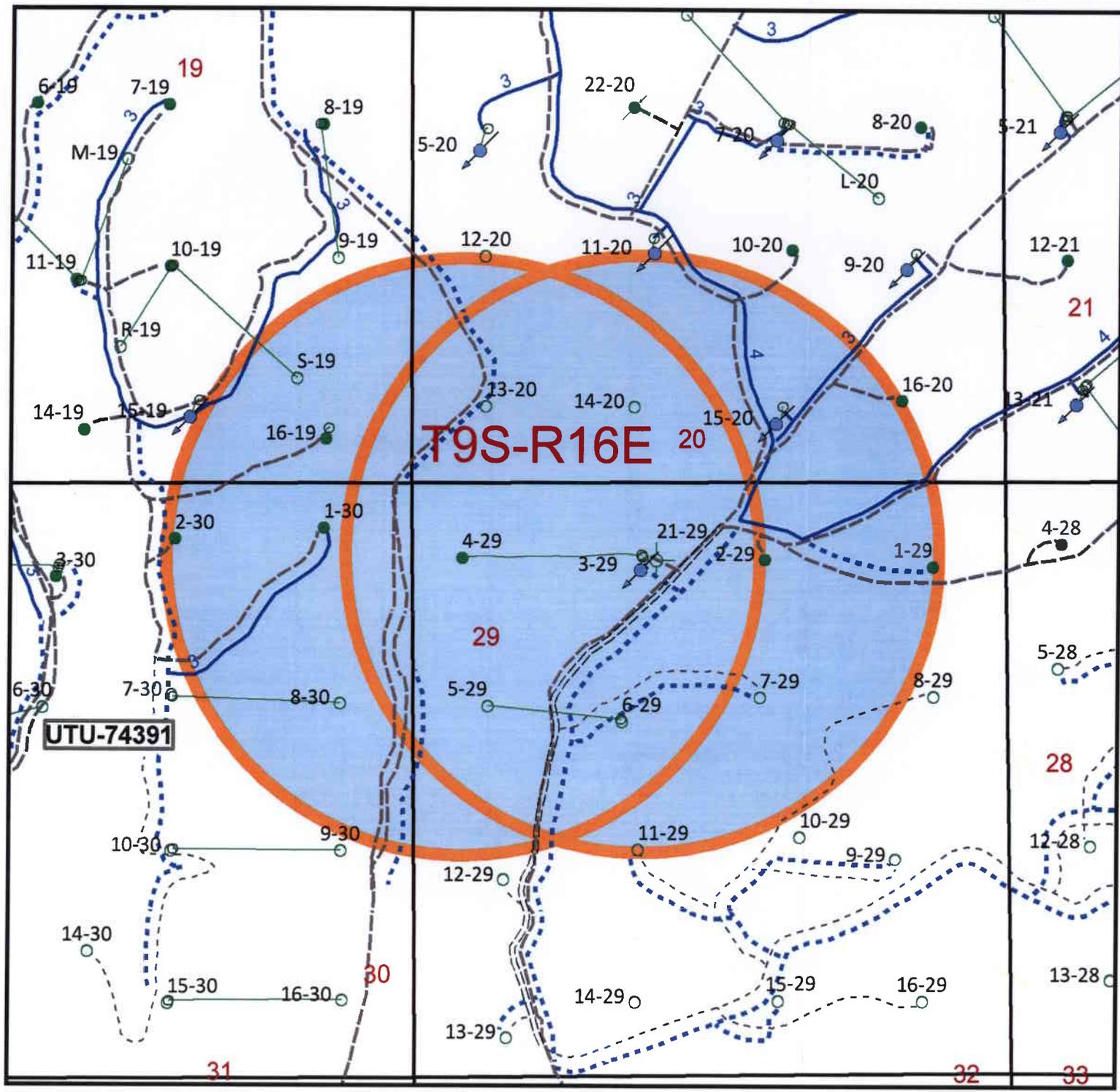
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



4-29-9-16 1/2 mile SH and BH

**Lease**

UTU-74391

**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
- Mining tracts

Federal 4-29  
Section 29, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS In = 1,250 feet

**1/2 Mile Radius Map**

Duchesne & Uintah Counties

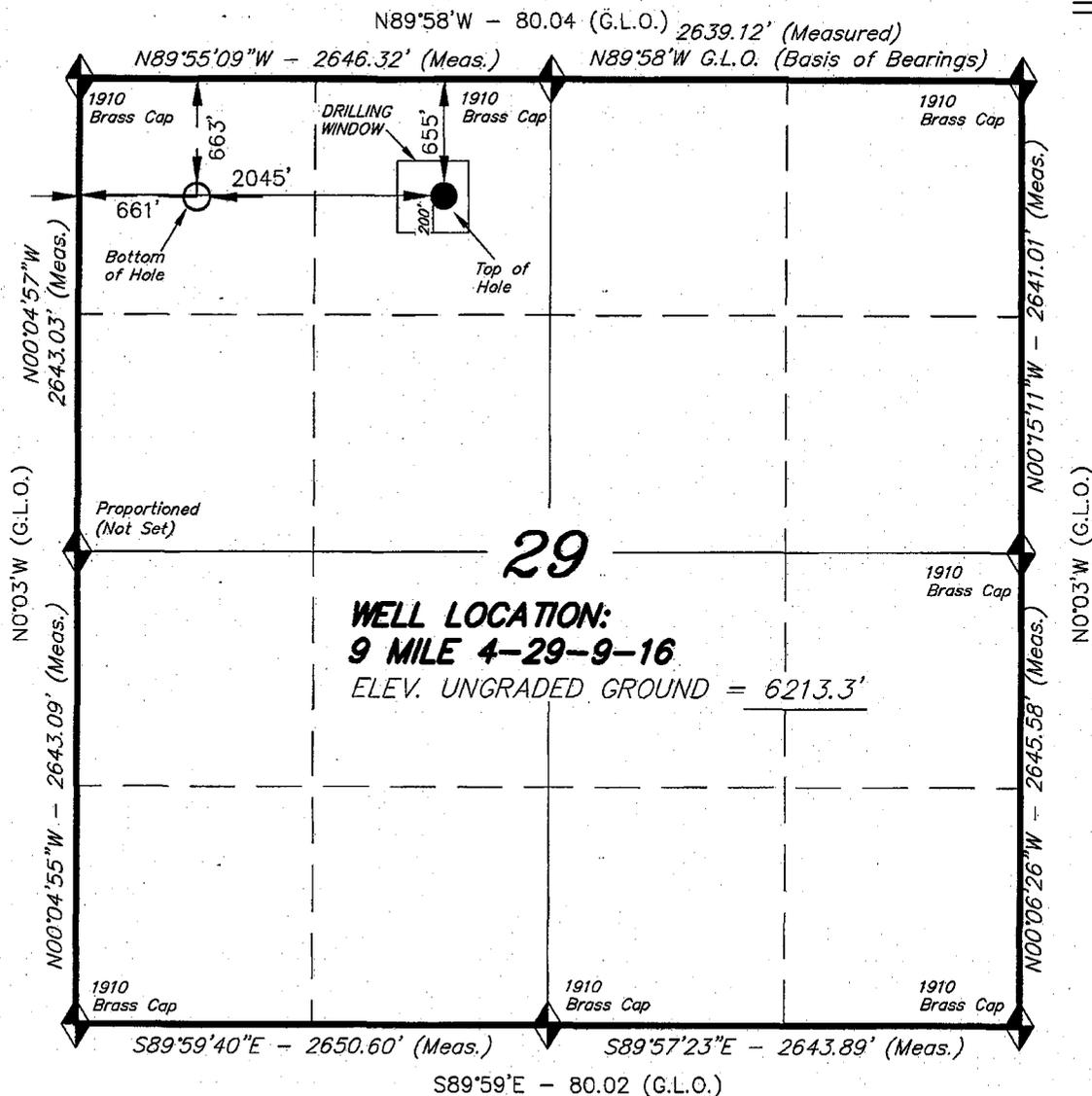
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

April 16, 2013

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

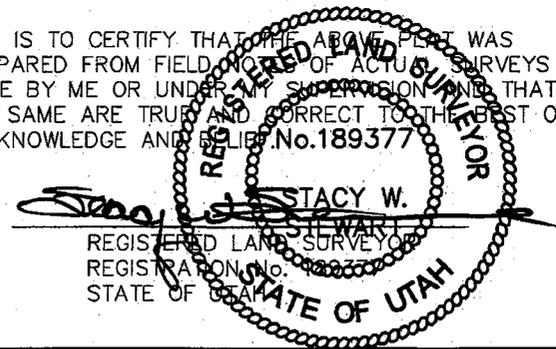
## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-29-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 29, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**  
 The Bottom hole bears S89°36'05"W  
 1,384.36' from the Well Head.

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



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

**9 MILE 4-29-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 26.42"  
 LONGITUDE = 110° 08' 43.21"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 8-11-06	SURVEYED BY: C.M.
DATE DRAWN: 8-17-06	DRAWN BY: M.W.
REVISED: 10-6-06 T.C.J.	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	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 #4-29-9-16

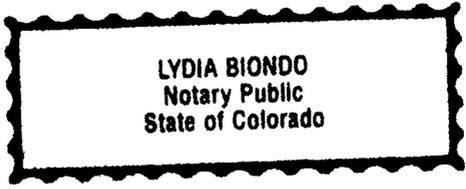
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Environmental Manager

Sworn to and subscribed before me this 8<sup>th</sup> day of May, 2013.

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

My Commission Expires: 12/31/15



## Federal 4-29-9-16

Spud Date: 8-11-10  
 Put on Production: 9-24-10  
 GL:6213 ' KB:6225 '

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (339.28)  
 DEPTH LANDED: 352.13'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

### PRODUCTION CASING

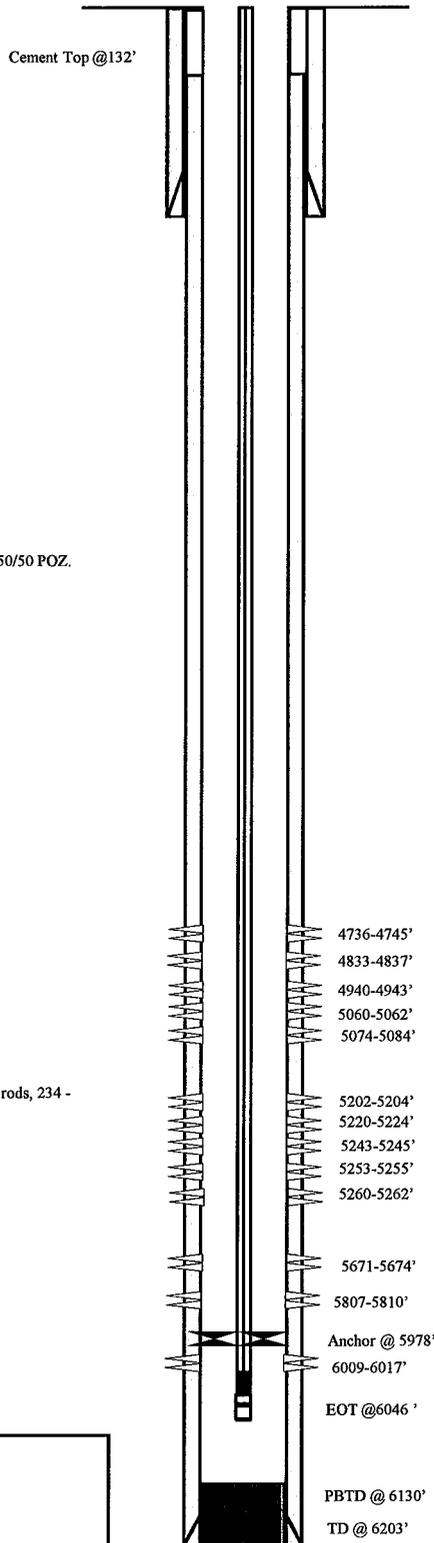
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146jts. (6160.56')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6176.56'  
 CEMENT DATA: 251 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 132'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 190 jts (5965.4')  
 TUBING ANCHOR: 5978.'  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 6012.6' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 TOTAL STRING LENGTH: EOT @ 6046 '

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8 pony rods, 1 - 6' x 7/8" pony rods, 234 - 7/8" 8 per guided rods, 4 - 1 1/2" sinker bars  
 PUMP SIZE: 2 1/2 x 1 1/2" x 21' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5



### FRAC JOB

9-8-10	6009-6017'	Frac BsLSD sands as follows:Frac with 23721# 20/40 sand in 208 bbls lightning 17 fluid.
9-17-10	5671-5810'	Frac CP2 & CP3 sands as follows:Frac with 8728# 20/40 sand in 82 bbls Lightning 17 fluid.
9-17-10	5202-5262'	Frac LODC sands as follows:Frac with 64809# 20/40 sand in 397 bbls Lightning 17 fluid.
9-17-10	5060-5084'	Frac A1 sands as follows:Frac with 45961# 20/40 sand in 300bbls Lightning 17 fluid.
9-17-10	4833-4943'	Frac C & B2 sands as follows:Frac with 29382# 20/40 sand in 200bbls Lightning 17 fluid.
9-17-10	4736-4745'	Frac D2 sands as follows:Frac with 33962# 20/40 sand in 267 bbls Lightning 17 fluid.
03/10/11		Pump change. Rods & tubing updated.

### PERFORATION RECORD

6009-6017'	3 JSFP	24 holes
5807-5810'	3 JSFP	9 holes
5671-5674'	3 JSFP	9holes
5260-5262'	3 JSFP	6 holes
5253-5255'	3 JSFP	6 holes
5243-5245'	3 JSFP	6 holes
5220-5224'	3 JSFP	12 holes
5202-5204'	3 JSFP	6 holes
5074-5084'	3 JSFP	30 holes
5060-5062'	3 JSFP	6 holes
4940-4943'	3 JSFP	9 holes
4833-4837'	3 JSFP	12 holes
4736-4745'	3 JSFP	27 holes

## NEWFIELD



**Federal 4-29-9-16**  
 655'FNL & 2045'FWL (NE/NW)  
 Section 29, T9S, R16  
 Duchesne Co, Utah  
 API # 43-013-33469; Lease # UTU-74391

## Federal 11-20-9-16

Spud Date: 11/29/05  
 Put on Production: 11/17/06  
 K.B.: 6154, G.L.: 6142

### Injection Wellbore Diagram

#### SURFACE CASING

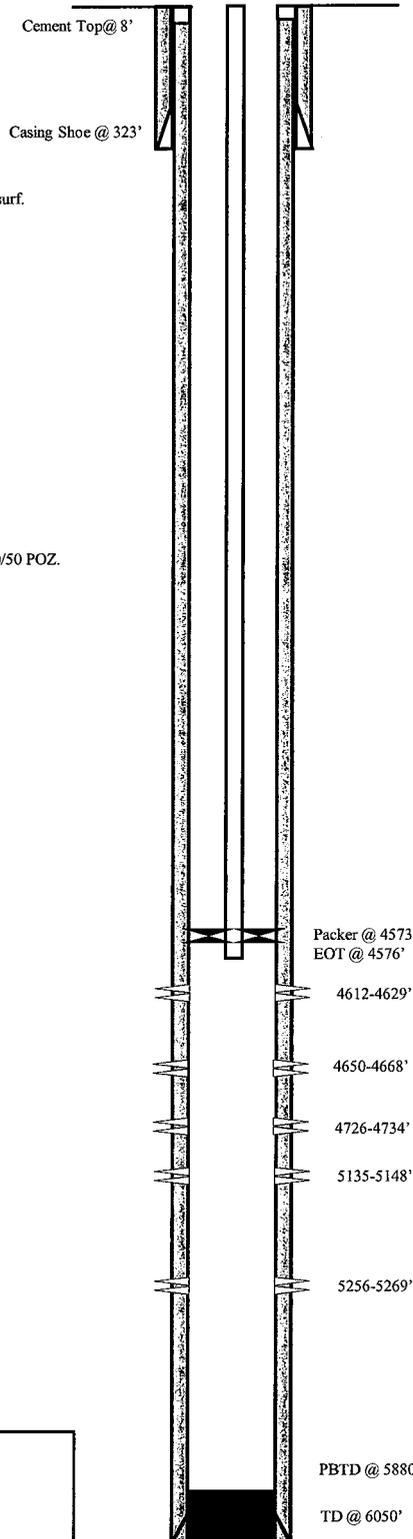
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (262.90')  
 DEPTH LANDED: 323.15' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 300 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (6010.04')  
 DEPTH LANDED: 6023.29' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 145 jts (4556.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4568.4' KB  
 CE @ 4572.77'  
 TOTAL STRING LENGTH: EOT @ 4575.87' KB



#### FRAC JOB

11/13/06	5256-5269'	<b>Frac LODC sands as follows:</b> 78169# 20/40 sand in 622 bbls Lightning 17 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM. ISIP 2720 psi. Calc flush: 5267 gal. Actual flush: 4746 gal.
11/13/06	5135-5148'	<b>Frac LODC sands as follows:</b> 101332# 20/40 sand in 784 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal.
11/13/06	4612-4629'	<b>Frac C, D3 sands as follows:</b> 184392# 20/40 sand in 1225 bbls Lightning 17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal.
11/27/06		<b>Pump Change.</b> Update rod and tubing details. <b>Major Workover</b>
05/14/08	4612-4629'	<b>Acidize D2 sands:</b> Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls acid., ISIP @ 950 psi.
05/14/08	4650-4668'	<b>Acidize D3 sands:</b> Pump 16 bbls techni-hib 767, W/ 10.7 bbls acid., ISIP @ 675 psi.
1/9/09		<b>Tubing Leak.</b> Updated rod & tubing details.
2/2/2010		<b>Tubing leak.</b> Updated rod and tubing details.
11/20/2010		<b>Tubing leak.</b> Updated rod and tubing detail.
3/20/2012		<b>Tubing leak;</b> Updated rod and tubing detail.
04/11/12		<b>Convert to Injection Well</b>
04/17/12		<b>Conversion MIT Finalized</b> -- update tbg detail

#### PERFORATION RECORD

11/06/06	5256-5269'	4 JSPF	52 holes
11/13/06	5135-5148'	4 JSPF	52 holes
11/13/06	4726-4734'	4 JSPF	32 holes
11/13/06	4650-4668'	4 JSPF	72 holes
11/13/06	4612-4629'	4 JSPF	68 holes



**Federal 11-20-9-16**  
 2143' FSL & 2155' FWL  
 NE/SW Section 20-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32598; Lease #UTU-74391

## Federal 15-20-9-16

Spud Date: 6-13-07  
 Put on Production: 08-14-07  
 GL: 6153' KB: 6165'

### Injection Wellbore Diagram

#### SURFACE CASING

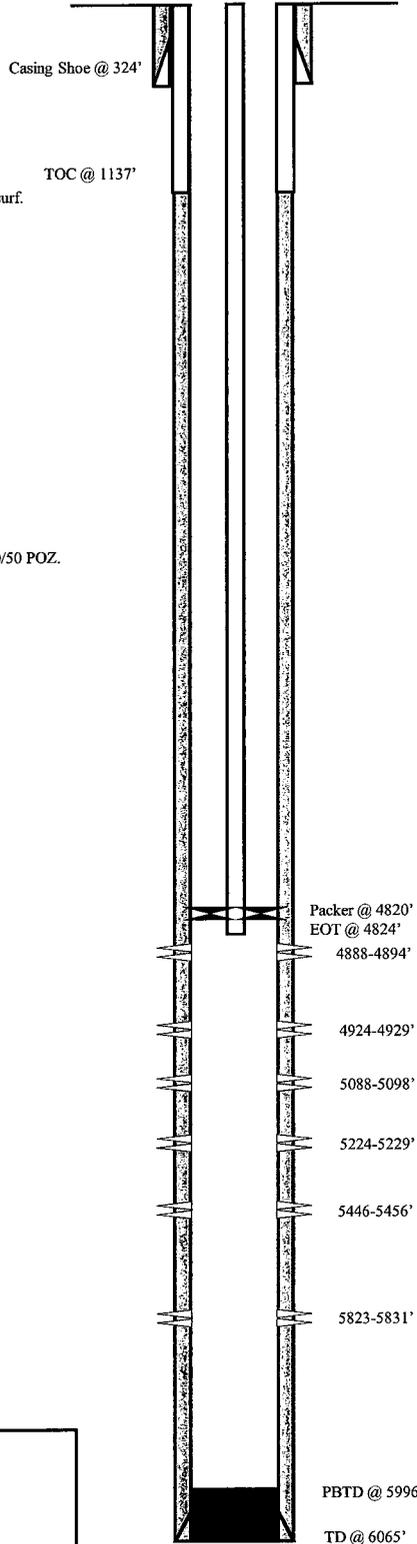
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.79')  
 DEPTH LANDED: 323.69' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6043.69')  
 DEPTH LANDED: 6030.94' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 1137'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 153 jts (4803.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4815.5' KB  
 CE @ 4819.71'  
 TOTAL STRING LENGTH: EOT @ 4824' KB



#### FRAC JOB

08-08-07 5823-5831' **Frac BS sands as follows:**  
 19449# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 2516 psi w/avg rate of 24.8 BPM. ISIP 2815 psi. Calc flush: 5821 gal. Actual flush: 5292 gal.

08-08-07 5446-5456' **Frac CPI sands as follows:**  
 19887# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 2181 psi w/avg rate of 24.8 BPM. ISIP 2290 psi. Calc flush: 5444 gal. Actual flush: 4914 gal.

08-08-07 5224-5229' **Frac LODC sands as follows:**  
 15479# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2849 psi w/avg rate of 24.8 BPM. ISIP 2870 psi. Calc flush: 5222 gal. Actual flush: 4717 gal.

08-08-07 5088-5098' **Frac LODC sand as follows:**  
 29995# 20/40 sand in 397 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 w/ avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5086 gal. Actual flush: 4578 gal.

08-08-07 4888-4929' **Frac A1, & A.5 sand as follows:**  
 31089# 20/40 sand in 391 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 w/ avg rate of 24.8 BPM. ISIP 2255 psi. Calc flush: 4886 gal. Actual flush: 4830 gal.

4-10-08 **Major workover.** Acidized fracs and updated rod and tubing details.

07/15/11 **Pump Change.** Rods & tubing updated.

04/12/12 **Conversion to Injection Well**

04/17/12 **Conversion MIT Finalized** - tbg detail updated

#### PERFORATION RECORD

Date	Interval	Number of Holes	Completion Type	Number of Holes
08-02-07	5823-5831'	4	JSPF	32 holes
08-08-07	5446-5456'	4	JSPF	40 holes
08-08-07	5224-5229'	4	JSPF	20 holes
08-08-07	5088-5098'	4	JSPF	40 holes
08-08-07	4924-4929'	4	JSPF	20 holes
08-08-07	4888-4894'	4	JSPF	24 holes



**Federal 15-20-9-16**  
 660' FSL & 1980' FEL  
 SW/SE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33105; Lease # UTU-74391

## FEDERAL 16-20-9-16

Spud Date: 05/29/07  
 Put on Production: 08/21/07  
 GL: 6129' KB: 6141'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.42')  
 DEPTH LANDED: 306.32' 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: 155 jts. (5977.37')  
 DEPTH LANDED: 5978.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite H mixed & 400 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5410.01')  
 TUBING ANCHOR: 5422.01' KB  
 NO. OF JOINTS: 1 jts (31.47')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5456.28' KB  
 NO. OF JOINTS: 2 jts (63.01')  
 TOTAL STRING LENGTH: EOT @ 5520.84' KB

#### SUCKER RODS

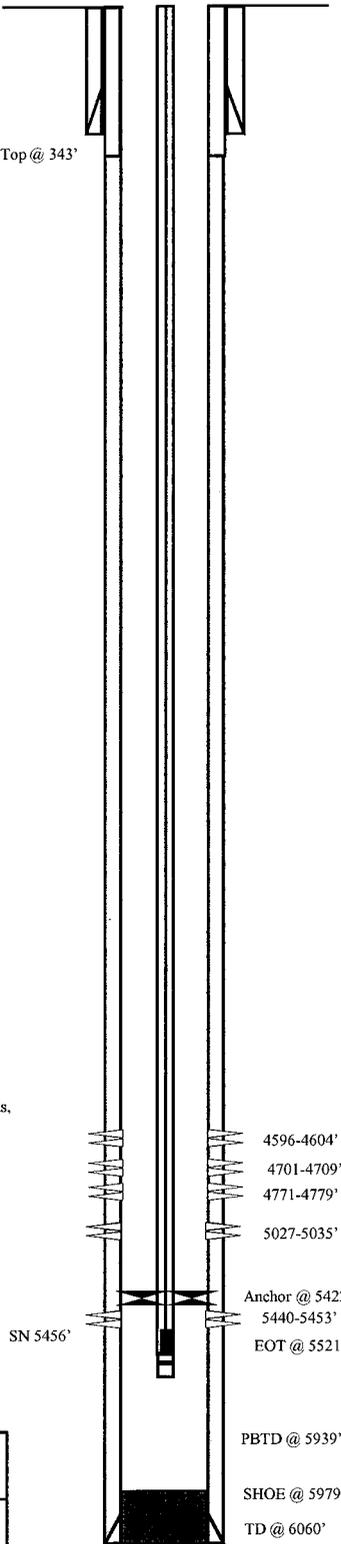
POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2' & 1-8' x 7/8" pony rods, 100-3/4" scraped rods,  
 92-3/4" plain rods, 20-3/4" scraped rods  
 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 18" RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED, 5 SPM:

#### FRAC JOB

08/13/07	5440-5453'	<b>Frac C P1 sands as follows:</b> 29557# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal.
08/16/07	5027-5035'	<b>Frac L.ODC sands as follows:</b> 19063# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc flush: 5025 gal. Actual flush: 4536 gal.
08/16/07	4771-4779'	<b>Frac B1 sands as follows:</b> 46260# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc flush: 4769 gal. Actual flush: 4326 gal.
08/16/07	4701-4709'	<b>Frac C sands as follows:</b> 108507# 20/40 sand in 795 bbls Lightning 17 frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc flush: 4698 gal. Actual flush: 4200 gal.
08/16/07	4596-4604'	<b>Frac D2 sands as follows:</b> 44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4594 gal. Actual flush: 4536 gal.

#### PERFORATION RECORD

08/07/07	5440-5453'	4 JSPF	52 holes
08/16/07	5027-5035'	4 JSPF	32 holes
08/16/07	4771-4779'	4 JSPF	32 holes
08/16/07	4701-4709'	4 JSPF	32 holes
08/16/07	4596-4604'	4 JSPF	32 holes





**FEDERAL 16-20-9-16**

716' FSL & 920' FEL

SE/SE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33109; Lease # UTU-74391

## 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' cement

#### 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

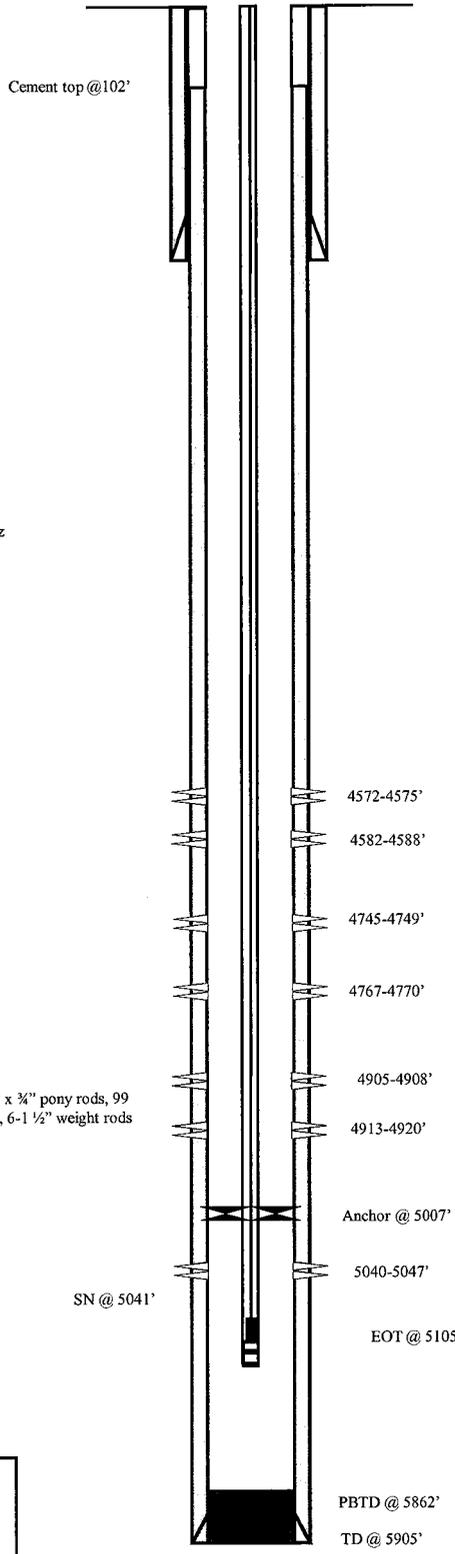
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 159 jts (4995')  
 TUBING ANCHOR: 5007' KB  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5041' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5105'

#### 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



**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 2-29-9-16

Spud Date: 4/28/2009  
Put on Production: 7/312/009

GL: 6198' KB: 6210'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (271.62')  
DEPTH LANDED: 323.45' 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: 151 jts (5873.42')  
DEPTH LANDED: 5925.97'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sx Prem Lite II and 400 sx 50/50 poz  
CEMENT TOP AT: 140'

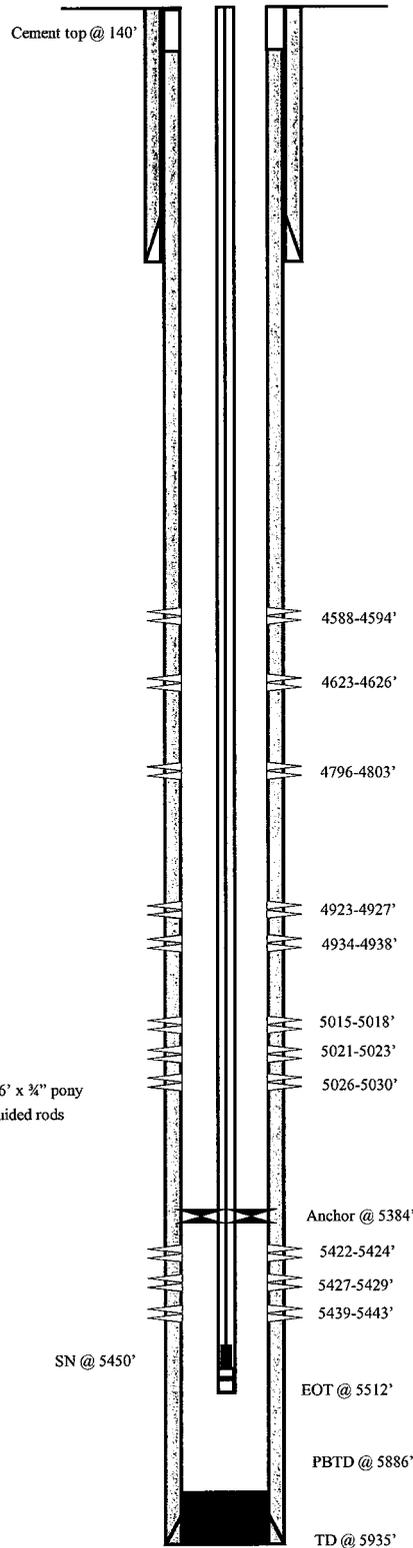
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 171 jts (5374.2')  
TUBING ANCHOR: 5384.2' KB  
NO. OF JOINTS: 2 jts (63.1')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 5450.1' KB  
NO. OF JOINTS: 2 jts (60.8')  
TOTAL STRING LENGTH: EOT @ 5512'

### SUCKER RODS

POLISHED ROD: 1 1/2' x 26'  
SUCKER RODS: 1 - 2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 1-6' x 3/4" pony rod, 99 - 3/4" guided rods (4per), 65 - 3/4" sucker rods, 47 - 3/4" guided rods (4per), 6 - 1 1/2" weight bars.  
PUMP SIZE: 2 1/2 x 1 1/2 x 16' x 20'  
STROKE LENGTH: 74  
PUMP SPEED, SPM: 5

### Wellbore Diagram



### FRAC JOB

8-2-09	5422-5443'	Frac CP1 sands as follows: Frac with 19,772# 20/40 sand in 167 bbls of Lightning 17 fluid.
8-2-09	5015-5030'	Frac LODC sands as follows: Frac with 40,496# 20/40 sand in 262 bbls of Lightning 17 fluid.
8-2-09	4923-4938'	Frac A1 sands as follows: Frac with 75,830# 20/40 sand in 461 bbls of Lightning 17 fluid.
8-2-09	4796-4803'	Frac B2 sands as follows: Frac with 30,004# 20/40 sand in 246 bbls of Lightning 17 fluid.
8-2-09	4588-4626'	Frac D2/D3 sands as follows: Frac with 87,549# 20/40 sand in 636 bbls of Lightning 17 fluid.
1-27-10		Tubing Leak. Updated rod and tubing detail.
3/18/2010		Tubing Leak. Updated rod and tubing detail.

### PERFORATION RECORD

5439-5443'	3 JSPF	12 holes
5427-5429'	3 JSPF	6 holes
5422-5424'	3 JSPF	6 holes
5026-5030'	3 JSPF	12 holes
5021-5023'	3 JSPF	6 holes
5015-5018'	3 JSPF	9 holes
4934-4938'	3 JSPF	12 holes
4923-4927'	3 JSPF	12 holes
4796-4803'	3 JSPF	21 holes
4623-4626'	3 JSPF	9 holes
4588-4594'	3 JSPF	18 holes



### Federal 2-29-9-16

693' FNL & 2146' FEL NW/NE

Section 29-T9S-R16E

Duchesne Co, Utah

API # 43-013-33424; Lease # UTU-74391

Spud Date: 5/20/09  
 Put on Production: 8/12/09  
 GL: 6214' KB: 6226'

## Federal 3-29-9-16

Injection Wellbore  
 Diagram

### SURFACE CASING

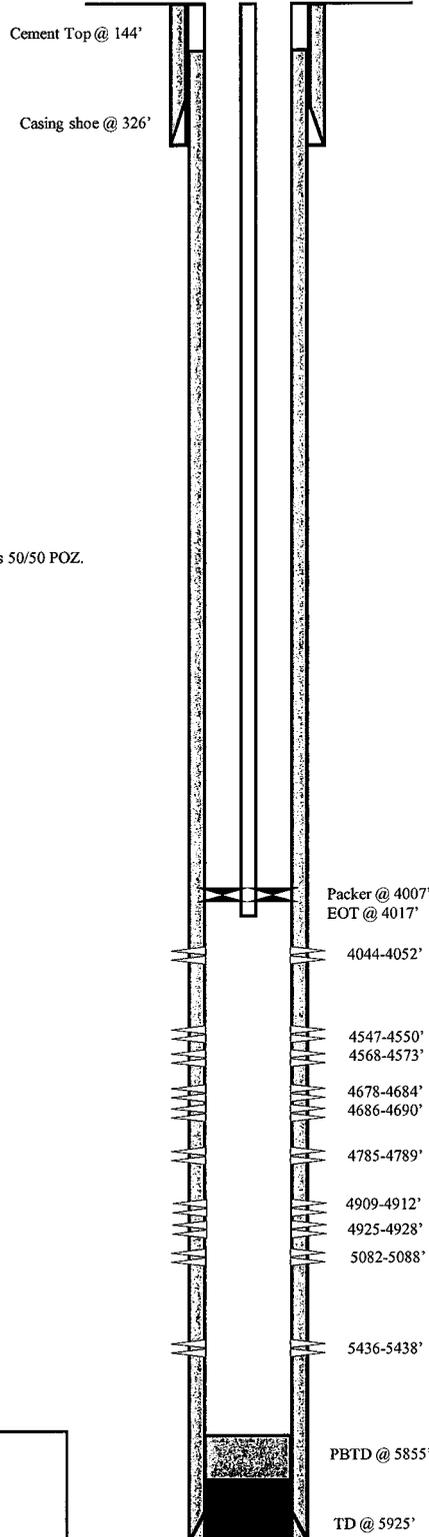
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (276')  
 DEPTH LANDED: 326'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts. (5843')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5896.02'  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 144'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 127 jts (3989.2')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 4001.2' KB  
 ON/OFF TOOL AT: 4002.3'  
 PACKER CE @ 4007.42'  
 XO AT: 4011.1'  
 TBG PUP 2-3/8" AT: 4011.6'  
 XN 2-3/8" AT: 4015.8'  
 TOTAL STRING LENGTH: EOT @ 4017'



### FRAC JOB

8-13-09	5082'-5438	<b>Frac L.ODC &amp; CP1 sands as follows:</b> Frac with 14872# 20/40 sand in 126 bbls Lightning 17 fluid.
8-13-09	4785'-4928	<b>Frac A1 &amp; B2 sands as follows:</b> Frac with 19797# 20/40 sand in 167 bbls Lightning 17 fluid.
8-13-09	4678'-4690	<b>Frac C sands as follows:</b> Frac with 40332# 20/40 sand in 276 bbls Lightning 17 fluid.
8-13-09	4547'-4573	<b>Frac D1 &amp; D2 sands as follows:</b> Frac with 20179# 20/40 sand in 167 bbls Lightning 17 fluid.
8-13-09	4044'-4052	<b>Frac GB4 sands as follows:</b> Frac with 48825# 20/40 sand in 307 bbls Lightning 17 fluid.
08/09/12		<b>Conversion to Injection Well</b>
08/13/12		<b>Conversion MIT Finalized</b> – update tbg detail

### PERFORATION RECORD

5436-5438'	3 JSFP	6 holes
5082-5088'	3 JSFP	18 holes
4925-4928'	3 JSFP	9 holes
4909-4912'	3 JSFP	9 holes
4785-4789'	3 JSFP	12 holes
4686-4690'	3 JSFP	12 holes
4678-4684'	3 JSFP	18 holes
4568-4573'	3 JSFP	15 holes
4547-4550'	3 JSFP	9 holes
4044-4052'	3 JSFP	24 holes



**NEWFIELD**

**Federal 3-29-9-16**  
 674' FNL & 2054' FWL NE/NW  
 Section 29-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33425; Lease #UTU-74391

## Federal 2-30-9-16

Spud Date: 6/8/2009  
 Put on Production: 7/10/2009  
 GL: 6238' KB: 6250'

### 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: 148 jts (5812')  
 DEPTH LANDED: 5862'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz  
 CEMENT TOP AT: 54'

#### TUBING

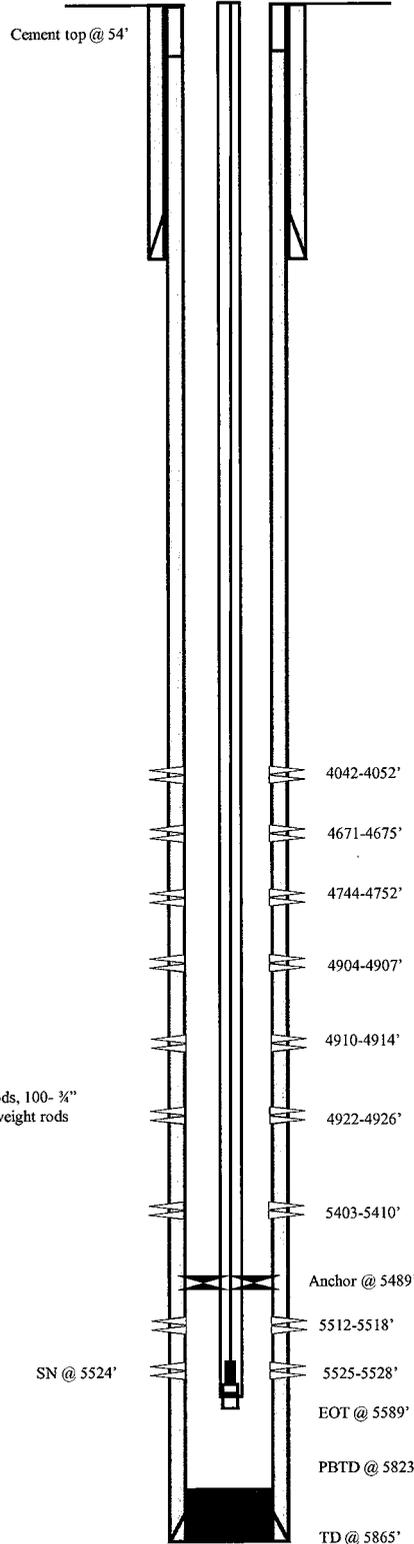
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 174 jts (5477')  
 TUBING ANCHOR: 5489' KB  
 NO. OF JOINTS: 1 jt (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5524' KB  
 NO. OF JOINTS: 2 jts (63.3')  
 TOTAL STRING LENGTH: EOT @ 5589'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1 - 2' x 3/8", 1 - 4' x 3/8", 1 - 6' x 3/8" pony rods, 100 - 3/4" guided rods, 94 - 3/4" sucker rods, 2 - 3/4" guided rods, 6 - 1 1/2" weight rods  
 PUMP SIZE: 2 1/2" x 1 1/2" x 20' RHAC  
 STROKE LENGTH: 86  
 PUMP SPEED - SPM: 5

#### FRAC JOB

7/10/2009 5512-5528' Frac CP3 sands as follows:  
 14,703#s of 20/40 sand in 130 bbls of Lightning 17 fluid.  
 7/10/2009 5403-5410' Frac CPI sands as follows:  
 20,309#s of 20/40 sand in 169 bbls of Lightning 17 fluid.  
 7/10/2009 4904-4926' Frac A1 sands as follows:  
 25,710#s of 20/40 sand in 209 bbls of Lightning 17 fluid.  
 7/10/2009 4671-4752' Frac B.5 & C sands as follows:  
 125,658#s of 20/40 sand in 758 bbls of Lightning 17 fluid.  
 7/10/2009 4042-4052' Frac GB6 sands as follows:  
 106,827#s of 20/40 sand in 651 bbls of Lightning 17 fluid.



#### PERFORATION RECORD

5525-5528'	3 JSPF	9 holes
5512-5518'	3 JSPF	18 holes
5403-5410'	3 JSPF	21 holes
4922-4926'	3 JSPF	12 holes
4910-4914'	3 JSPF	12 holes
4904-4907'	3 JSPF	9 holes
4744-4752'	3 JSPF	24 holes
4671-4675'	3 JSPF	12 holes
4042-4052'	3 JSPF	30 holes



**Federal 2-30-9-16**

517' FNL & 2110' FEL NW/NE

Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33453; Lease # UTU-74391

## Federal 1-30-9-16

Spud Date: 5/28/2009  
 Put on Production: 7/6/2009  
 GL: 6214' KB: 6226'

### 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: 140 jts (5791')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5843.37'  
 CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz  
 CEMENT TOP AT: 72'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts (5160')  
 TUBING ANCHOR: 5172' KB  
 NO. OF JOINTS: 1 jt (30.3')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5205' KB  
 NO. OF JOINTS: 2 jts (63.0')  
 TOTAL STRING LENGTH: EOT @ 5269'

#### SUCKER RODS

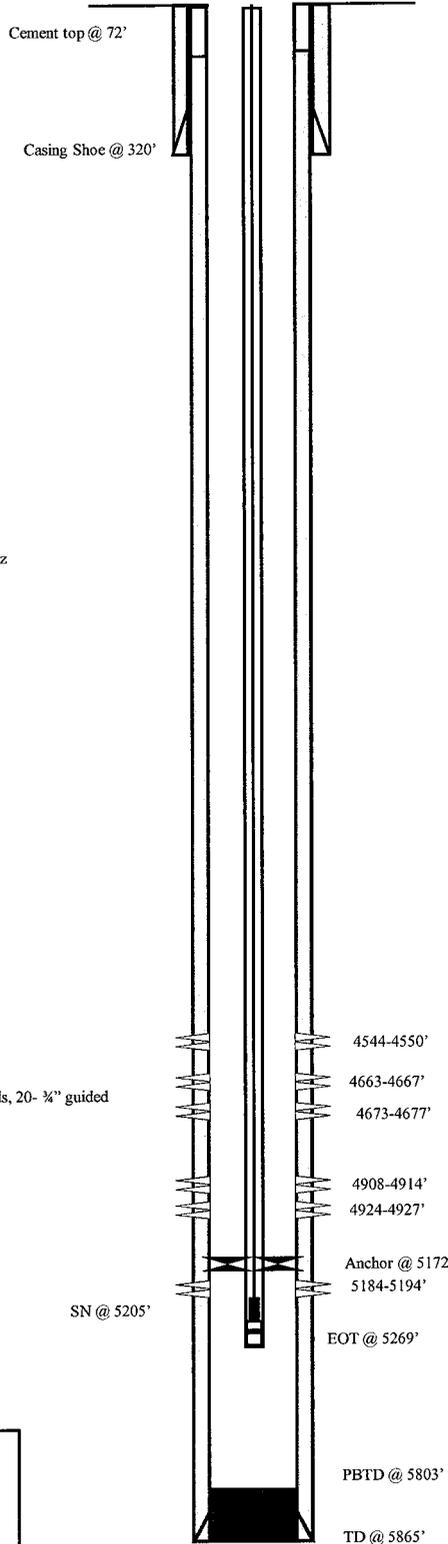
POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 101 - 3/4" guided rods, 81 - 3/4" sucker rods, 20 - 3/4" guided rods, 6 - 1 1/2" weight bars.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5

#### FRAC JOB

07-07-09 5184-5194' **Frac LODC sands as follows:**  
 Frac with 45269# 20/40 sand in 289 bbls of Lightning 17 fluid.  
 07-07-09 4908-4927' **Frac A1 sands as follows:**  
 Frac with 100700# 20/40 sand in 596 bbls of Lightning 17 fluid.  
 07-07-09 4663-4677' **Frac C sands as follows:**  
 Frac with 55268# 20/40 sand in 343 bbls of Lightning 17 fluid.  
 07-07-09 4544-4550' **Frac D1 sands as follows:**  
 14925# 20/40 sand in 244 total bbls of fluid inc Lightning 17 fluid.

#### PERFORATION RECORD

5184-5194'	3 JSPF	30 holes
4924-4927'	3 JSPF	9 holes
4908-4914'	3 JSPF	18 holes
4673-4677'	3 JSPF	12 holes
4663-4667'	3 JSPF	12 holes
4544-4550'	3 JSPF	18 holes



### Federal 1-30-9-16

419' FNL & 785' FEL

NE/NE Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33452; Lease # UTU-74391

## FEDERAL 16-19-9-16

Spud Date: 10/31/07  
 Put on Production: 02/19/08  
 GL: 6180' KB: 6192'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.36')  
 DEPTH LANDED: 324.64' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5805.80')  
 DEPTH LANDED: 5819.05' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 114'

#### TUBING

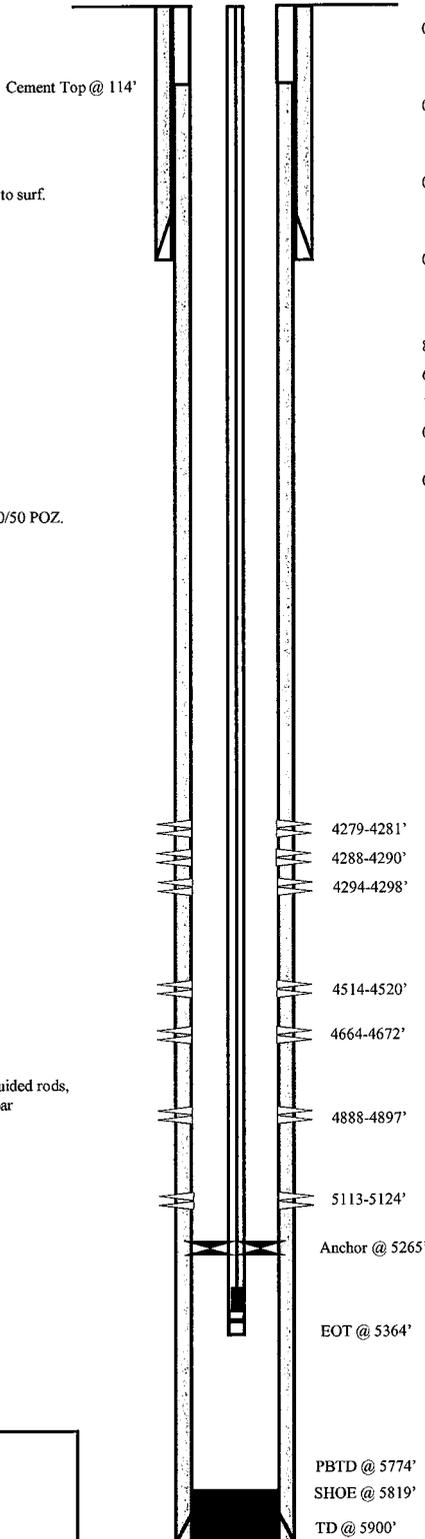
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 164 jts (5253.1')  
 TUBING ANCHOR: 5265.1' KB  
 NO. OF JOINTS: 1jts (31.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5299.2' KB  
 NO. OF JOINTS: 2 jts (62.9')  
 TOTAL STRING LENGTH: EOT @ 5364' KB

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 1-2', 1-4', 1-8' x 7/8" pony rods, 81- 7/8" guided rods, 119- 3/4" guided rods, 6- 1 1/2" weight bars, 1-1" x 4' stabilizer bar  
 PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC pump  
 STROKE LENGTH: 122  
 PIMP SPEED, SPM: 5 SPM

#### FRAC JOB

02/08/08	5113-5124'	<b>Frac LODC sands as follows:</b> 50640# 20/40 sand in 476 bbls Lightning 17 frac fluid. Treated @ avg press of 2517 psi w/avg rate of 22 BPM. ISIP 2765 psi.
02/08/08	4888-4897'	<b>Frac A1 sands as follows:</b> 30199# 20/40 sand in 394 bbl Lightning 17 frac fluid. Treated @ avg press of 2251 psi w/avg rate of 19.2 BPM. ISIP 2240 psi.
02/08/08	4664-4672'	<b>Frac C sands as follows:</b> 34297# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 2310 psi w/avg rate of 27.6 BPM. ISIP 1950 psi.
02/09/08	4514-4520'	<b>Frac D1 sands as follows:</b> 28511# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2109 psi w/avg rate of 27.2 BPM. ISIP 1930 psi.
8/12/08		<b>Pump Change.</b> Updated rod & tubing details.
6/1/09		<b>Tubing Leak.</b> Updated r & t details.
1/31/11		<b>Tubing Leak.</b> Update rod and tubing details.
03/02/11	4279-4298'	<b>Frac PB11 sands as follows:</b> 61895# 20/40 sand in 365 bbls Lightning 17 fluid.
03/04/11		<b>Recompletion Finalized</b> - update rod & tbg detail.



#### PERFORATION RECORD

	5113-5124'	4 JSPF	24 holes
	4888-4897'	4 JSPF	36 holes
	4664-4672'	4 JSPF	32 holes
	4514-4520'	4 JSPF	24 holes
03/02/11	4279-4281'	3 JSPF	6 holes
03/02/11	4288-4290'	3 JSPF	6 holes
03/02/11	4294-4298'	3 JSPF	12 holes



**FEDERAL 16-19-9-16**

467' FSL & 733' FEL

SE/SE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33163; Lease # UTU-74391

## FEDERAL 15-19-9-16

Spud Date: 10/29/07  
 Put on Production: 02/07/08  
 GL:6218' KB:6230'

### Injection Wellbore Diagram

#### SURFACE CASING

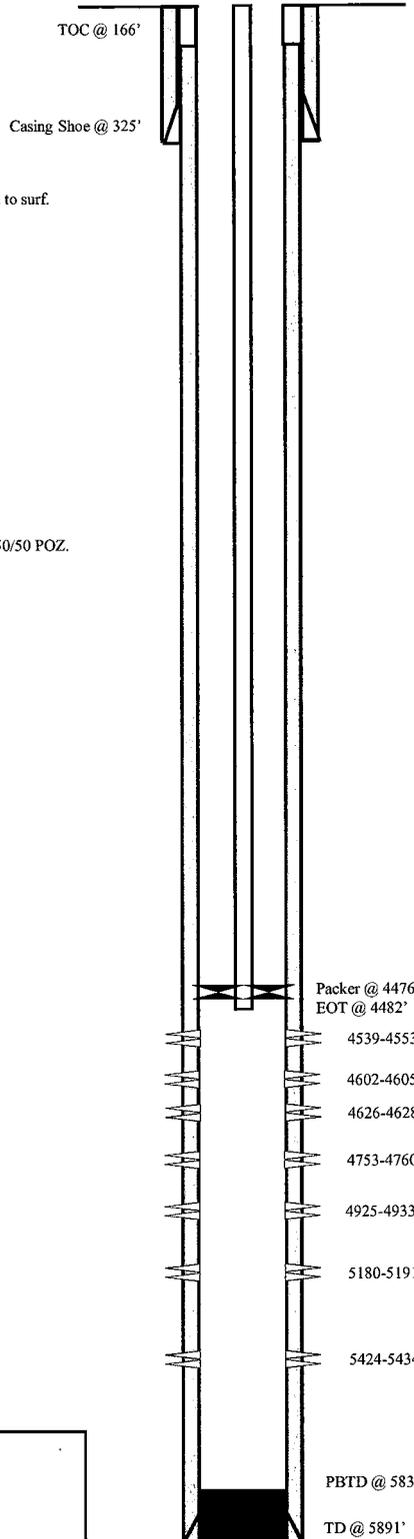
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.36')  
 DEPTH LANDED: 324.84' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5854.09')  
 DEPTH LANDED: 5867.67' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 142 jts (4459.0')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4480.8' KB  
 CE @ 4475.61'  
 TOTAL STRING LENGTH: EOT @ 4482.' KB



#### FRAC JOB

02/01/08 5424-5434' **Frac CP1 sands as follows:**  
 19731# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 15.2 BPM. ISIP 2009 psi.

02/01/08 5180-5191' **Frac LODC sands as follows:**  
 29863# 20/40 sand in 404 bbl Lightning 17 frac fluid. Treated @ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi.

02/01/08 4925-4933' **Frac A1 sands as follows:**  
 15194# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM. ISIP 2237 psi.

02/01/08 4753-4760' **Frac B.5 sands as follows:**  
 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi.

02/01/08 4539-4553' **Frac D1 sands as follows:**  
 46601# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1712 psi w/avg rate of 22.0 BPM. ISIP 1930 psi.

10/2/09 **Tubing Leak.** Updated rod & tubing details.

06/28/11 **Parted Rods.** Rods & tubing updated.

05/29/12 4602-4626' **Frac D3 & D2 sands as follows:**  
 18461# 20/40 sand in 292 bbls Lightning 17 frac fluid

05/30/12 **Convert to Injection Well**

06/01/12 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

Interval	Number of JSPF	Number of Holes
5424-5434'	4 JSPF	40 holes
5180-5191'	4 JSPF	44 holes
4925-4933'	4 JSPF	32 holes
4753-4760'	4 JSPF	28 holes
4539-4553'	4 JSPF	56 holes
5-29-12 4626-4628'	3 JSPF	6 holes
5-29-12 4602-4605'	3 JSPF	9 holes



**FEDERAL 15-19-9-16**  
 711' FSL & 1888' FEL  
 SW/SE Section 19-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33162; Lease # UTU-74391

1 of 6

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

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			
		<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
Test Date:	12/5/2012	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120.00	Potassium (K):	11.00	Sulfate (SO <sub>4</sub> ):	120.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	26.00	Bicarbonate (HCO <sub>3</sub> ):	366.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	46.20	Carbonate (CO <sub>3</sub> ):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.17	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	6.80	Iron (Fe):	0.13	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	2304.49	Zinc (Zn):	0.02	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	15.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.04	Silica (SiO <sub>2</sub> ):	
H <sub>2</sub> S in Water (mg/L):	2.50				

**Notes:**  
9:30

(PTB = Pounds per Thousand Barrels)

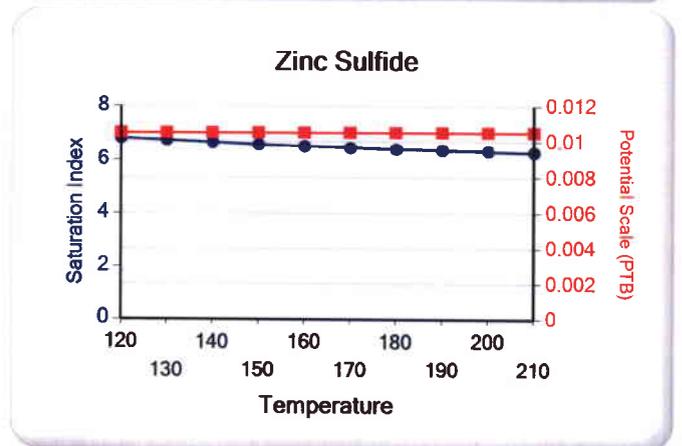
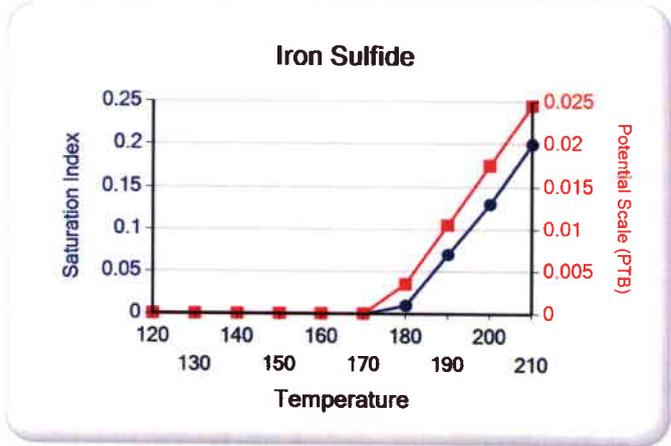
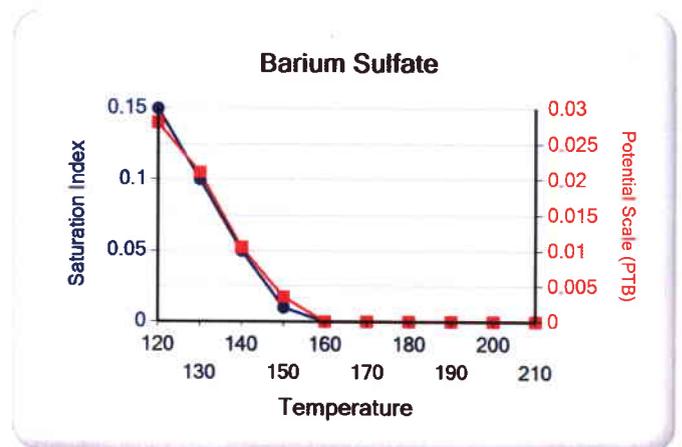
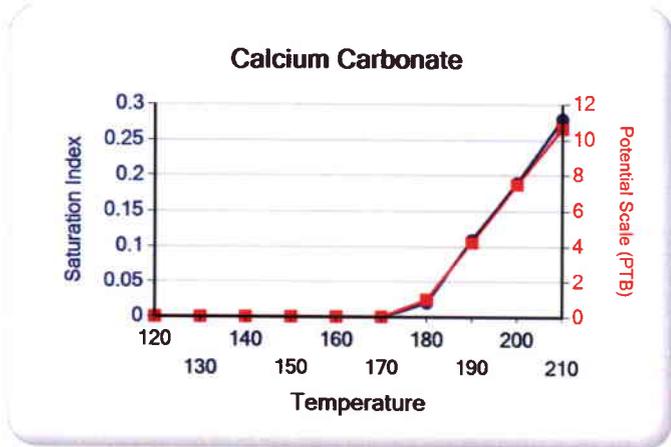
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> 2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	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 CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		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



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

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FEDERAL 4-29-9-16**  
Sample Point: **Treater**  
Sample Date: **3/11/2013**  
Sample ID: **WA-236956**

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	3/20/2013	Sodium (Na):	6756.34	Chloride (Cl):	9000.00
System Temperature 1 (°F):	120.00	Potassium (K):	0.13	Sulfate (SO4):	963.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	27.00	Bicarbonate (HCO3):	1708.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	97.00	Carbonate (CO3):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):	7.00	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.010	Barium (Ba):	1.00	Propionic Acid (C2H5COO)	
pH:	9.00	Iron (Fe):	13.40	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	18601.36	Zinc (Zn):	9.10	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.05	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.44	Silica (SiO2):	18.90
H2S in Water (mg/L):	35.00				

**Notes:**  
B=6.7 AI=6

(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	2.53	84.26	0.74	0.49	4.85	7.39	3.64	9.74	0.00	0.00	0.00	0.00	0.00	0.00	11.47	4.75
200.00	60.00	2.49	84.19	0.76	0.49	4.85	7.39	3.60	9.74	0.00	0.00	0.00	0.00	0.00	0.00	11.56	4.75
190.00	60.00	2.45	84.12	0.78	0.50	4.85	7.39	3.56	9.74	0.00	0.00	0.00	0.00	0.00	0.00	11.66	4.75
180.00	60.00	2.41	84.04	0.80	0.50	4.85	7.39	3.52	9.74	0.00	0.00	0.00	0.00	0.00	0.00	11.77	4.75
170.00	60.00	2.37	83.96	0.83	0.51	4.86	7.39	3.48	9.74	0.00	0.00	0.00	0.00	0.00	0.00	11.88	4.75
160.00	60.00	2.34	83.87	0.87	0.52	4.88	7.39	3.43	9.74	0.00	0.00	0.00	0.00	0.00	0.00	12.00	4.75
150.00	60.00	2.30	83.79	0.91	0.52	4.90	7.39	3.39	9.74	0.00	0.00	0.00	0.00	0.00	0.00	12.13	4.75
140.00	60.00	2.27	83.70	0.95	0.53	4.93	7.39	3.34	9.74	0.00	0.00	0.00	0.00	0.00	0.00	12.26	4.75
130.00	60.00	2.24	83.61	1.00	0.54	4.97	7.39	3.29	9.74	0.00	0.00	0.00	0.00	0.00	0.00	12.40	4.75
120.00	60.00	2.21	83.52	1.06	0.54	5.01	7.39	3.24	9.74	0.00	0.00	0.00	0.00	0.00	0.00	12.56	4.75

4 of 6

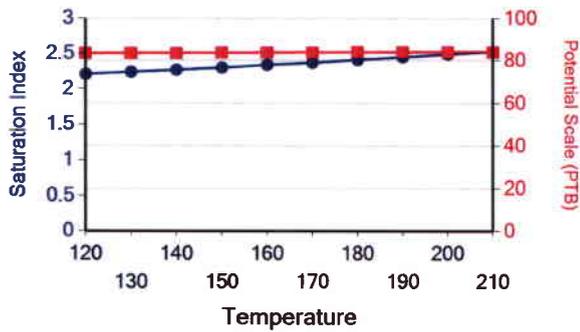
## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		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	3.52	6.12	10.27	0.02	9.58	22.92	5.41	11.92	15.01	10.42
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	6.12	10.43	0.02	9.23	22.92	5.22	11.91	14.79	10.42
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.38	6.12	10.61	0.02	8.88	22.91	5.02	11.91	14.57	10.42
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	6.12	10.79	0.02	8.52	22.91	4.83	11.90	14.34	10.42
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	6.12	10.98	0.02	8.15	22.91	4.63	11.89	14.12	10.42
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	6.11	11.18	0.02	7.78	22.91	4.42	11.87	13.89	10.42
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	6.11	11.39	0.02	7.40	22.90	4.22	11.85	13.66	10.42
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	6.11	11.62	0.02	7.02	22.89	4.02	11.82	13.43	10.42
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	6.11	11.85	0.02	6.63	22.88	3.81	11.79	13.21	10.42
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72	6.11	12.11	0.02	6.25	22.86	3.61	11.74	12.98	10.42

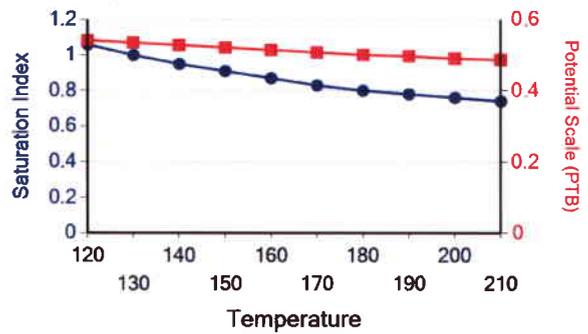
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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 Mg Silicate Ca Mg Silicate Fe Silicate

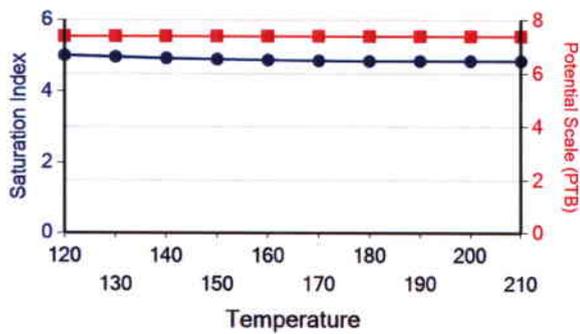
Calcium Carbonate



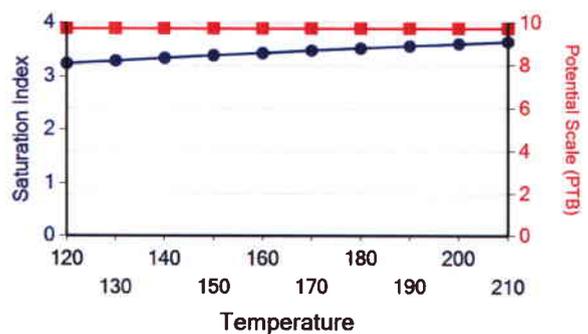
Barium Sulfate



Iron Sulfide

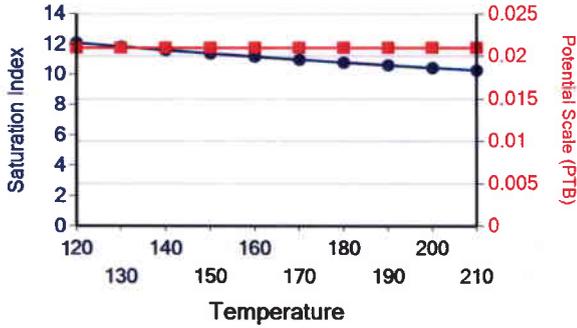


Iron Carbonate

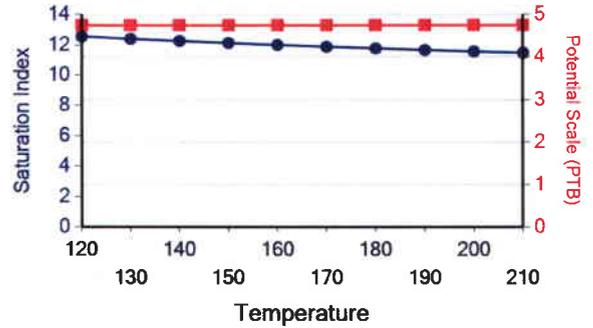


Water Analysis Report

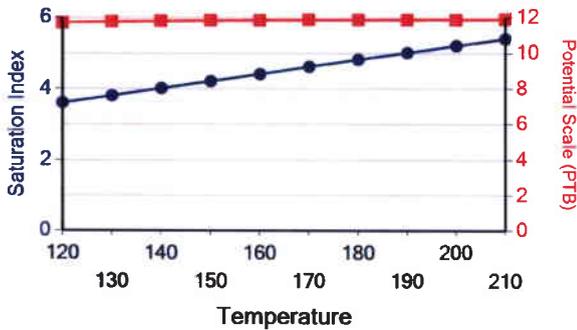
Lead Sulfide



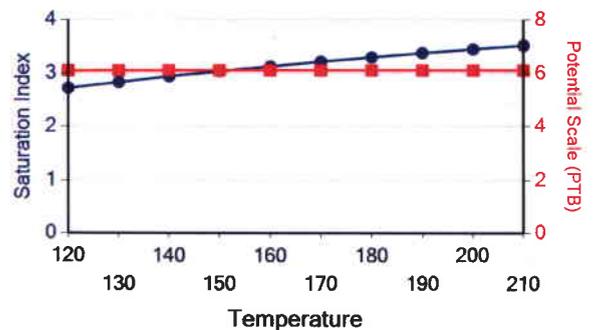
Zinc Sulfide



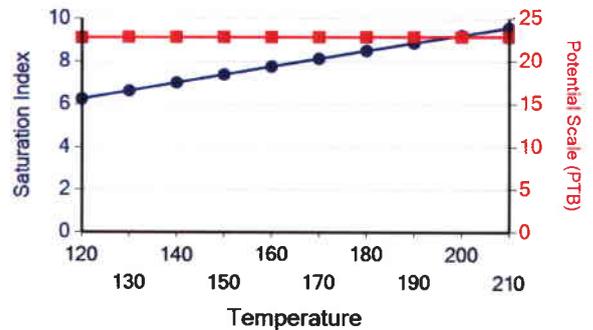
Ca Mg Silicate



Zinc Carbonate

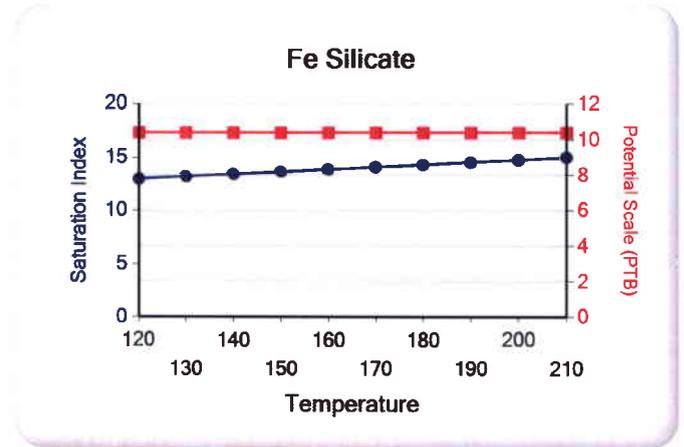


Mg Silicate



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

### Water Analysis Report



**Attachment "G"**

**Federal #4-29-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
6009	6017	6013	1326	0.65	1287 ←
5671	5810	5741	2050	0.79	2013
5202	5262	5232	2166	0.85	2132
5060	5084	5072	2608	0.95	2575
4833	4943	4888	1836	0.81	1805
4736	4745	4741	1604	0.77	1573
				<b>Minimum</b>	<u><u>1287</u></u>

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

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

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



## Daily Completion Report

**Well Name:** FEDERAL 4-29-9-16

**AFE:** 15970

**Report Date:** 9/8/10

**Operation:** Wait for frac crew

<b>Field:</b>	GMBU CTB6	<b>Rig Name:</b>	Rigless	<b>Work Performed:</b>	9/8/2010
<b>Location:</b>	S29 T9S R16E	<b>Supervisor:</b>	Aaron Manning	<b>Day:</b>	1
<b>County:</b>	DUCHESNE	<b>Phone:</b>	435- 823-1087	<b>Daily Cost:</b>	6,800
<b>State:</b>	UT	<b>Email:</b>	amanning@newfield.com	<b>Cum DCR:</b>	6,800
				<b>Cum. Well Cost:</b>	607,080

<b>24 Hr Summary:</b>	Ran CBL & shot 1st stage				
<b>24 Hr Plan Forward:</b>	Wait on frac crew				
<b>Incidents:</b>	None	<b>Newfield Pers:</b>	2	<b>Contract Pers:</b>	10
<b>Conditions:</b>					

**Critical Comments**

0 Hr(s); P : Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6092' & cement top @ 132'. Perforate stage #1, BslSd sds @ 6009-17' w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 24 shots. 148 BWTR. SWIFN.□



## Daily Completion Report

**Well Name:** FEDERAL 4-29-9-16

**AFE:** 15970

**Report Date:** 9/17/10

**Operation:** MIRU Nabors 809

<b>Field:</b>	GMBU CTB6	<b>Rig Name:</b>	Rigless	<b>Work Performed:</b>	9/17/2010
<b>Location:</b>	S29 T9S R16E	<b>Supervisor:</b>	Orson Barney	<b>Day:</b>	2
<b>County:</b>	DUCHESNE	<b>Phone:</b>	435- 823-6778	<b>Daily Cost:</b>	\$115,022
<b>State:</b>	UT	<b>Email:</b>	obarney@newfield.com	<b>Cum DCR:</b>	\$121,822
				<b>Cum. Well Cost:</b>	\$722,102

**24 Hr Summary:** MIRU BJ Services & Perforators WL. Frac 1st stage. Perforate & frac remaining 5 stages. Flowback well for 4 1/2 hrs. Well died. Rec 737 BTF. SIWFN w/ 1806 BWTR.

**24 Hr Plan Forward:** MIRU Nabors 809. Drill out plugs.

<b>Incidents:</b>	None	<b>Newfield Pers:</b>	1	<b>Contract Pers:</b>	21	<b>Conditions:</b>	
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**Critical Comments**

0 Hr(s); P : MIRU BJ Services & Perforators WL. Frac 1st stage. Perforate & frac remaining 5 stages. Flowback well for 4 1/2 hrs. Well died. Rec 737 BTF. SIWFN w/ 1806 BWTR.□



## Daily Completion Report

**Well Name:** FEDERAL 4-29-9-16

**AFE:** 15970

**Report Date:** 9/21/10

**Operation:** Washover & fish tbg.

<b>Field:</b>	GMBU CTB6	<b>Rig Name:</b>	Nabors #809	<b>Work Performed:</b>	9/20/2010
<b>Location:</b>	S29 T9S R16E	<b>Supervisor:</b>	Orson Barney	<b>Day:</b>	3
<b>County:</b>	DUCHESNE	<b>Phone:</b>	435- 823-6778	<b>Daily Cost:</b>	\$49,837
<b>State:</b>	UT	<b>Email:</b>	obarney@newfield.com	<b>Cum DCR:</b>	\$171,659
				<b>Cum. Well Cost:</b>	\$771,939

**24 Hr Summary:** MIRU Nabors 809. PU & RIH w/ 4 3/4" chomp bit & tbg. Circulated 71' of sand. Stuck tbg. Could not circulate. RU WL. Freepoint & cut tbg @ 4635'. Left 113' of fish in hole. LD 3 jts of tbg. SIWFN w/ 1806 BWTR.

**24 Hr Plan Forward:** TOH w/ tbg. RIH w/ 4 3/4" washpipe. Clean out to bit. TOH w/ washpipe. TIH and fish tbg & bit.

<b>Incidents:</b>	None	<b>Newfield Pers:</b>	1	<b>Contract Pers:</b>	7	<b>Conditions:</b>	
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**Critical Comments**

0 Hr(s); P : MIRU Nabors 809. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit. Tagged sand @ 4677'. RU Nabor power swivel. Circulated 71' of sand. Made connection. Pressured up with no circulation. Stuck in the hole with tbg. Tried to reverse out. Could not circulate either way. Could not jar loose. RD power swivel. RU Perforators LLC. Free point tbg and cut off @ 4635'. Left 3 jts and 9' piece of 2 7/8" tbg, bit sub and 4 3/4" chomp in hole (113' of fish). LD 3 jts of tbg. EOT @ 4541'. SIWFN w/ 1806 BWTR>C



## Daily Completion Report

**Well Name:** FEDERAL 4-29-9-16

**AFE:** 15970

**Report Date:** 9/22/10

**Operation:** Finish TOH w/ fish. TIH D/O plugs

<b>Field:</b> GMBU CTB6	<b>Rig Name:</b> Nabors #809	<b>Work Performed:</b> 9/21/2010
<b>Location:</b> S29 T9S R16E	<b>Supervisor:</b> Orson Barney	<b>Day:</b> 4
<b>County:</b> DUCHESNE	<b>Phone:</b> 435- 823-6778	<b>Daily Cost:</b> \$13,238
<b>State:</b> UT	<b>Email:</b> obarney@newfield.com	<b>Cum DCR:</b> \$184,897
		<b>Cum. Well Cost:</b> \$785,177

**24 Hr Summary:** TIH w/ washpipe. C/O to bit. TOH w/ washpipe. TIH w/ fish tools. Fish tbg. TOH w/ 30 jts of tbg. SIWFN w/ 1806 BWTR.

**24 Hr Plan Forward:** Finish TOH w/ fish. TIH w/ bit & drill out plugs.

<b>Incidents:</b> None	<b>Newfield Pers:</b> 1	<b>Contract Pers:</b> 8	<b>Conditions:</b>
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**Critical Comments**

0 Hr(s); P : 0 psi on well. TOH w/ tbg. PU & RIH w/ 4 star's 4 1/2" shoe, 3- jts of washpipe, Top sub, x-overs, Jars & 142 jts of tbg. Tagged sand @ 4644'. RU Nabors power swivel. Circulate clean down to bit @ 4749'. Circulate well clean for 30 mins. LD 2 jts of tbg. RD power swivel. TOH w/ tbg & washpipe. PU & RIH w/ grapple, bumper sub, jars & tbg. Tag fish top @ 4636'. Latch onto fish. Jar free. TOH w/ 30 jts of tbg. EOT @ 3825'. SIWFN w/ 1806 BWTR.□



## Daily Completion Report

**Well Name:** FEDERAL 4-29-9-16

**AFE:** 15970

**Report Date:** 9/23/10

**Operation:** Swab, Trip for production

<b>Field:</b>	GMBU CTB6	<b>Rig Name:</b>	Nabors #809	<b>Work Performed:</b>	9/22/2010
<b>Location:</b>	S29 T9S R16E	<b>Supervisor:</b>	Orson Barney	<b>Day:</b>	5
<b>County:</b>	DUCHESNE	<b>Phone:</b>	435- 823-6778	<b>Daily Cost:</b>	\$10,535
<b>State:</b>	UT	<b>Email:</b>	obarney@newfield.com	<b>Cum DCR:</b>	\$195,432
				<b>Cum. Well Cost:</b>	\$795,712

**24 Hr Summary:** Finish TOH w/ tbg fish. LD fishing tools. Check bit. TIH w/ 4 3/4" chomp bit. D/O plugs. C/O to PBTD. TOH w/ 4 jts of tbg. EOT @ 6012'. SIWFN w/ 1966 BWTR.

**24 Hr Plan Forward:** Swab. C/O to PBTD. Trip for production.

<b>Incidents:</b>	None	<b>Newfield Pers:</b>	1	<b>Contract Pers:</b>	8	<b>Conditions:</b>	
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**Critical Comments**

0 Hr(s); P : 0 psi on well. Continue TOH w/ tbg fish. LD fishing tools. Check bit. TIH w/ 4 3/4" chomp bit, bit sub & 151 jts of 2 7/8" J-55 tbg. Tagged sand @ 4742'. RU Nabors power swivel. Circulate sand & drill out plugs. Sand @ 4742', Plug @ 4790' (Drill out in 35 mins), Plug @ 5005' (Drilled out in 20 mins), Sand @ 5102', Plug @ 5154' (Drilled out in 25 mins), Plug @ 5345' (Drilled out in 35 mins), Sand @ 5831', Plug @ 5885' (Drilled out in 15 mins). Taged sand @ 6060'. C/O to PBTD @ 6130'. RD power swivel. TOH w/ 4 jts of tbg. EOT @ 6012'. SIWFN w/ 1966 BWTR. □

<b>NEWFIELD</b>  ROCKY MOUNTAINS		<b>Well Name: FEDERAL 4-29-9-16</b>		
<b>Daily Completion Report</b>		AFE: 15970		
		Report Date: 9/24/10		
		Operation: PU rods. POP		
Field:	GMBU CTB6	Rig Name:	Nabors #809	Work Performed: 9/23/2010
Location:	S29 T9S R16E	Supervisor:	Orson Barney	Day: 6
County:	DUCHESNE	Phone:	435- 823-6778	Daily Cost: \$6,230
State:	UT	Email:	obarney@newfield.com	Cum DCR: \$201,662
				Cum. Well Cost: \$801,942
<b>24 Hr Summary:</b>	Swab. C/O to PBTD. TOH w/ tbg. TIH w/ tbg. ND BOP. Set TA & NU WH. SIWFN w/ 2026 BWTR.			
<b>24 Hr Plan Forward:</b>	PU & RIH w/ "A" grade rod string. POP			
<b>Incidents:</b>	None	<b>Newfield Pers:</b>	1	<b>Contract Pers:</b> 8
				<b>Conditions:</b>
<b>Critical Comments</b>				
<p>0 Hr(s); P : RU swab equipment. IFL @ surface. Made 18 swab runs. Rec 175 BTF. FFL @ 1500'. RD swab equipment. TIH w/ 4 jts of tbg. Tagged sand @ 6120'. C/O to PBTD @ 6130'. LD 3 jts of tbg. TOH w/ tbg. LD bit. TIH w/ production tbg as follows: NC, 1-jt, SN, 1- jt, TA, 190 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 2026 BWTR. □</p>				

**NEWFIELD**



**Daily Completion Report**

**Well Name: FEDERAL 4-29-9-16**

**AFE: 15970**

**Report Date: 9/25/10**

**Operation: Produce well**

<b>Field:</b>	GMBU CTB6	<b>Rig Name:</b>	Nabors #809	<b>Work Performed:</b>	9/24/2010
<b>Location:</b>	S29 T9S R16E	<b>Supervisor:</b>	Orson Barney	<b>Day:</b>	7
<b>County:</b>	DUCHESNE	<b>Phone:</b>	435- 823-6778	<b>Daily Cost:</b>	\$41,517
<b>State:</b>	UT	<b>Email:</b>	obarney@newfield.com	<b>Cum DCR:</b>	\$243,179
				<b>Cum. Well Cost:</b>	\$843,459

**24 Hr Summary:** PU & RIH w/ "A" grade rod string. Hang head, Space out rods. RDMOSU. POP @ 5:00 PM w/ 144" SL @ 5 SPM w/ 2028 BWTR. FINAL REPORT!!

**24 Hr Plan Forward:** Produce well.

<b>Incidents:</b>	None	<b>Newfield Pers:</b>	2	<b>Contract Pers:</b>	6	<b>Conditions:</b>
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**Critical Comments**

0 Hr(s); P : 0 psi on well. PU & RIH w/ "A" grade rods string as follows: Central hydraulic 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 234- 7/8" guided rods (8 per), 1- 6', 1- 2' X 7/8" pony rods, 1 1/2" X 30' polish rod. Hang head space out rods. Fill tbg w/ 2 bbls of wtr. Pressure test w/ unit to 800 psi. RDMOSU. POP @ 5:00 PM w/ 144" SL @ 5 SPM w/ 2028 BWTR. FINAL REPORT!!

<b>NEWFIELD</b>  ROCKY MOUNTAINS		<b>Daily Completion Report</b>			Well Name: <b>FEDERAL 4-29-9-16</b>	
					AFE: <u>15970</u>	
					Report Date: <u>10/26/10</u>	
					Operation: <b>MIRU NC#1</b>	
Field:	<u>GMBU CTB6</u>	Rig Name:	<u>NC #1</u>	Work Performed:	<u>10/22/2010</u>	
Location:	<u>S29 T9S R16E</u>	Supervisor:	<u>Duane Freston</u>	Day:	<u>8</u>	
County:	<u>DUCHESNE</u>	Phone:	<u>435- 823-6771</u>	Daily Cost:	<u>\$1,743</u>	
State:	<u>UT</u>	Email:	<u>dfreston@newfield.com</u>	Cum DCR:	<u>\$244,922</u>	
				Cum. Well Cost:	<u>\$845,202</u>	
<b>24 Hr Summary:</b>	MIRU NC#1, Maintain & Mechanic On Rig.					
<b>24 Hr Plan Forward:</b>	pump Change					
<b>Incidents:</b>	None	<b>Newfield Pers:</b>	4	<b>Contract Pers:</b>		
<b>Conditions:</b>						
<b>Critical Comments</b>						
<p>0 Hr(s); P : 1:30 PM MIRUSU, 11 Mile Rig Move. Maintenance On Rig CSDFN 4:30 PM 5:00 PM C/TRVLE</p>						

<b>NEWFIELD</b>  ROCKY MOUNTAINS	<b>Final Daily Completion Report</b>	<b>Well Name:</b> FEDERAL 4-29-9-16 <b>AFE:</b> 15970 <b>Report Date:</b> 10/26/10 <b>Operation:</b> Round Trip Rod Strng Change pump.
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<b>Field:</b> GMBU CTB6	<b>Rig Name:</b> NC #1	<b>Work Performed:</b> 10/25/2010
<b>Location:</b> S29 T9S R16E	<b>Supervisor:</b> Duane Freston	<b>Day:</b> 9
<b>County:</b> DUCHESNE	<b>Phone:</b> 435- 823-6771	<b>Daily Cost:</b> \$7,366
<b>State:</b> UT	<b>Email:</b> dfreston@newfield.com	<b>Cum DCR:</b> \$252,288
		<b>Cum. Well Cost:</b> \$852,568

<b>24 Hr Summary:</b>	H/O Csg W/60 BW,U/S pmp,Flush & P/Tst Tbg,POOH W/Rod Prod,Change pmp,RIH W/Rod Prod,R/U Unit,Fill & Tst Tbg, R/D Rig, POP, ( Final Report )
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<b>24 Hr Plan Forward:</b>	( Final Report ).
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<b>Incidents:</b> None	<b>Newfield Pers:</b> 4	<b>Contract Pers:</b> 1	<b>Conditions:</b>
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**Critical Comments**

0 Hr(s); P : 5:30AM-6:00AM C/Trvl, 6:00AM BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW. Seat pmp, Fill Tbg W/-8 BW, P/Test Tbg To 3,000 Psi, Good Test. Unseat pmp, POOH W/-1 1/2X30' Polish Rod, 7/8X2'-6' Ponys, 234-7/8 Guided Rods, 4-1 1/2 Wt Bars & pmp. Flushed Tbg W/-20 BW On TOOH Due To Oil. R/U S/Line RIH To PBTB @ 6130' Depthometer, No Fill. P/U Stroke & RIH W/-Central Hydraulic 2 2/1X1 3/4X24' RHAC, 4-1 1/2 Wt Bars, 234-7/8 8 Per, 7/8X6'-2' Ponys, 1 1/2X30' Polish Rod, Seat pmp, R/U Unit, Fill Tbg W/-10 BW, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM 144'' SL, 5 SPM, 138 BWTR, 4:00PM-4:30PM C/Trvl, ( Final Report ).

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4686'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 177' balance plug using 21 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 63 sx Class "G" cement down 5 ½" casing to 402'

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

## Federal 4-29-9-16

Spud Date: 8-11-10  
 Put on Production: 9-24-10  
 GL:6213 ' KB:6225 '

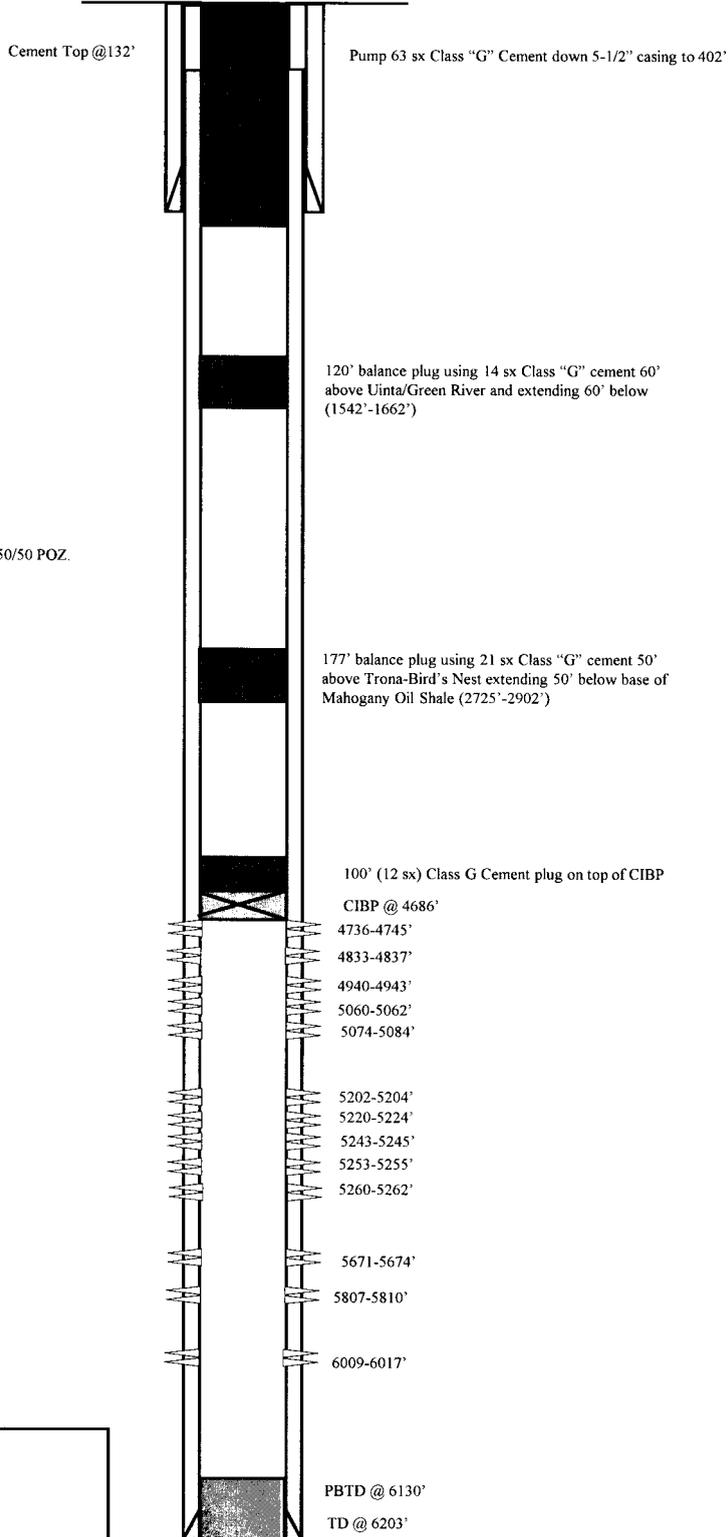
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (339.28)  
 DEPTH LANDED: 352.13'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146jts. (6160.56')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6176.56'  
 CEMENT DATA: 251 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 132'



**NEWFIELD**



**Federal 4-29-9-16**  
 655' FNL & 2045' FWL (NE/NW)  
 Section 29, T9S, R16  
 Duchesne Co, Utah  
 API # 43-013-33469; Lease # UTU-74391

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-409

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, 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 8-8-9-16 well located in SE/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33057

Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32957

Pan American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-10822

Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33469

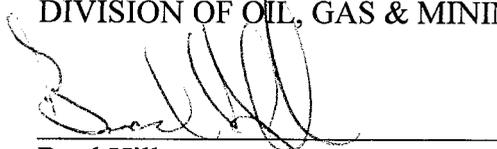
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 14<sup>th</sup> day of May, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 8-8-9-16, FEDERAL 6-9-9-16,  
PAN AMERICAN #1FR-9-16, FEDERAL 4-29-9-16**

**Cause No. UIC-409**

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

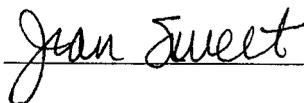
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

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

  
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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

May 14, 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-409

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



Classifieds@ubstandard.com

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**Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-409**

11:49 AM (GMT-7)

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**Cindy Kleinfelter** <classifieds@ubstandard.com>  
To: Jean Sweet <jsweet@utah.gov>

Thu, May 16, 2013 at 2:15 PM

On 5/14/2013 1:49 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.

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

It will be published May 21, 2013.

Thanks  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 13, 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-409

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



5/16/13

State of Utah Mail - Proof for Notice



Ken Stowe <naclegal@mediaoneutah.com>

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## Proof for Notice

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

Wed, May 15, 2013 at 12:35 PM

AD# 879997  
Run SL Trib & Des News 5/17  
Cost \$220.04  
Thank You

---

 **OrderConf.pdf**  
122K

**Order Confirmation for Ad #0000879997-01**

<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>E-Mail</b>	juliecarter@utah.gov	Jean	kstowe

**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-409**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, 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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Federal 8-8-9-16 well located in SE/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33057  
Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32957  
Par American #1 FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-10822  
Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33469

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 14th day of May, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
879997

UPAXLP

<b>Total Amount</b>	<b>\$220.04</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$220.04</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-409	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			
<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>		
Legal Liner	2.0 X 64 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>	5/17/2013	
<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>	5/17/2013	
<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>	5/17/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
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<b>Scheduled Date(s):</b>	5/17/2013	

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801-204-6910

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/17/2013

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000879997 /		
SCHEDULE			
Start 05/17/2013	End 05/17/2013		
CUST. REF. NO.			
Cause No UIC-409			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES			
SIZE			
64	Lines	2.00	COLUMN
TIMES	RATE		
4			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
			220.04

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-409

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, 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 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-9102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

**Greater Monument Butte Unit:**  
Federal 8-8-9-16 well located in SE/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33057  
Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32957  
Pan American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-10822  
Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33469

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

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

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

Dated this 14th day of May, 2013.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
879997

AFFIDAVIT OF PUBLICATION

UPAXLP

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-409 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS. DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY

Start 05/17/2013

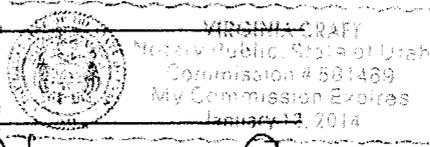
End 05/17/2013

PUBLISHED ON

SIGNATURE

*[Handwritten Signature]*

5/17/2013



*[Handwritten Signature: Virginia Craft]*

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"

PLEASE PAY FROM BILLING STATEMENT

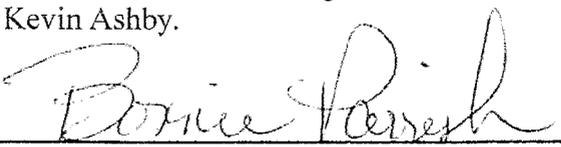
# AFFIDAVIT OF PUBLICATION

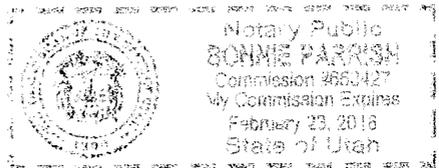
County of Duchesne,  
STATE OF UTAH

I, 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 21 day of May, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of May, 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  
22 day of May, 20 13

by Kevin Ashby.  
  
\_\_\_\_\_  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-409

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, 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 in-

formal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

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

API 43-013-33057  
Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East

API 43-013-32957  
Pan American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East

API 43-013-10822  
Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East

API 43-013-33469

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 volume is 100,000 bbl/d.

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AIM 877-460-6894  
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available. Job place-  
qualified - Housing  
ing. Financial aid if  
FAA approved train-  
Maintenance Tech.  
BECOME an Aviator

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

**Applicant:** Newfield Production Company      **Well:** Federal 4-29-9-16

**Location:** 29/9S/16E      **API:** 43-013-33469

**Ownership Issues:** The proposed well is located on BLM land and is within the Greater Monument Butte Unit. The well is directionally drilled, with a bottom hole location approximately 1,420 feet west of the surface location. The area of review (AOR) consists of the combined areas of two largely overlapping circles, each of a half-mile radius. One circle centers on the surface location, and the other centers on the bottom hole location. Lands in the AOR are administered by the BLM. The Federal Government is the mineral owner within the 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 AOR. 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:** Inasmuch as the well is directionally drilled, the measured depths are not equal to the true vertical depths. The measured total depth of the well is 6,203 feet versus a true vertical depth of 5,952 feet. The depths expressed here are in terms of measured depth. The proposed well has surface casing set at 352 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,177 feet. A cement bond log demonstrates adequate bond in this well up to 2,866 feet. A 2 7/8 inch tubing with a packer is proposed to be set at 4,686 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, within the combined AOR, there are 4 producing wells, 2 injection wells, 1 P/A well, and 1 shut-in well. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 3,837 feet and 6,130 feet (measured depth) in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-29-9-16 well is 0.65 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,287 psig. The requested maximum pressure is 1,287 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 4-29-9-16**

**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: 5/17/2013



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 11, 2013

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

Subject: Greater Monument Butte Unit Well: Federal 4-29-9-16, Section 29, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33469

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 3,837 feet in the Federal 4-29-9-16 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,

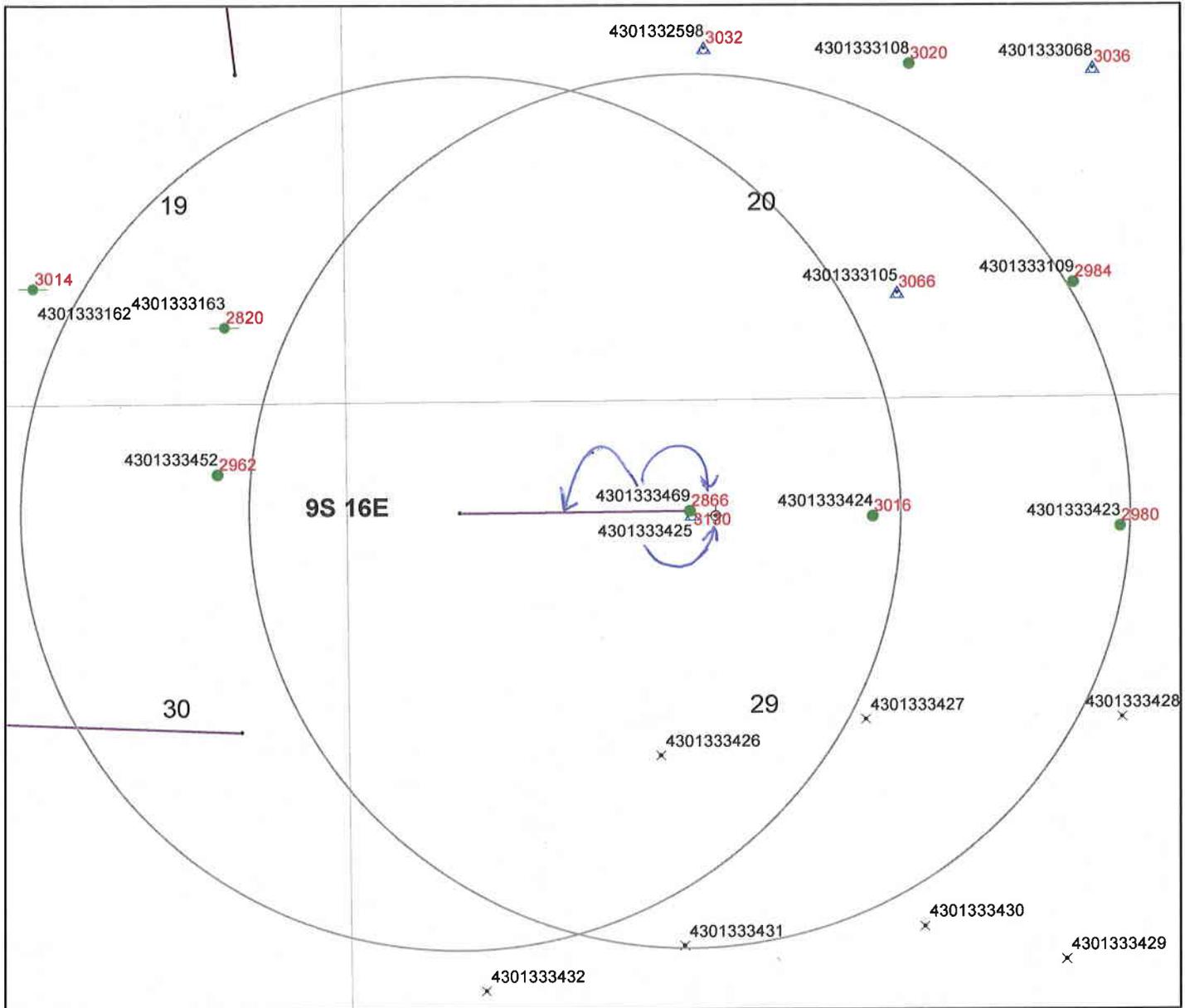
  
(for) John Rogers  
Associate Director

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
- ⊗<sub>g</sub> WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

**Cement Bond Tops  
Federal 4-29-9-16  
API #43-013-33469  
UIC-409.4**



- 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

<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-74391
<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 4-29-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301333469000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0655 FNL 2045 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 29 Township: 09.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE	
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/1/2013	<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 subject well has been converted from a producing oil well to an injection well on 10/01/2013. On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

**Date:** November 05, 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> 10/8/2013	

# Casing or Annulus Pressure Test

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

Witness: *[Signature]* Date 10/1/13 Time 12:15 am pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

Well: Federal 4-29-9-16 Field: Monument Butte  
Well Location: Federal 3-29-9-16 API No: 4301333469

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: *[Signature]*  
Signature of Person Conducting Test: *[Signature]*



## Daily Activity Report

Format For Sundry

**FEDERAL 4-29-9-16**

**7/1/2013 To 11/30/2013**

**10/2/2013 Day: 3**

**Conversion**

Wild cat #2 on 10/2/2013 - RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLs PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST - FLUSHED CSG W/ 60 BBLs @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLs @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - FLUSHED CSG W/ 60 BBLs @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLs @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLs PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLs PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - FLUSHED CSG W/ 60 BBLs @250DEG, LD 1-POLISH ROD, 2-PONY RODS, 2-7/8" 8-PER GUIDED RODS 9:00AM TO 10:00AM PU POLISH ROD FLUSHED TBG W/ 40 BBLs @250DEG, PU 2-RODS, 2-PONY RODS, 1-ROD SOFT SEATED PUMP BROKE OFF LP FITTINGS ON WH PT TBG TO 3K PSI GOOD TEST 10:00AM TO 3:00PM LD POLISH ROD, 2-PONY RODS, 234-7/8" 8-PER GUIDED RODS, 4-1 1/2" C(API) WT BARS, 1 PUMP 3:00PM TO 4:00PM XO TO TBG TOOLS ND WH RELEASED TAC NU BOPS RD RIG FLOOR SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 1:00PM TOOH 148 JTS TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 1:00PM TO 2:00PM LD 44-JTS TBG ON TRAILER, 1- TAC, 1-PSN, 1-NC 2:00PM TO 5:00PM TIH W/ INJECTION PKR ASSEMBLY, 148 JTS TBG 5:00PM TO 6:00PM PUMPED 10 BBLs DROPPED STANDING VALVE CHASED W/ SL 6:00PM TO 7:00PM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST R - 1:00PM TOOH 148 JTS TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 1:00PM TO 2:00PM LD 44-JTS TBG ON TRAILER, 1- TAC, 1-PSN, 1-NC 2:00PM TO 5:00PM TIH W/ INJECTION PKR ASSEMBLY, 148 JTS TBG 5:00PM TO 6:00PM PUMPED 10 BBLs DROPPED STANDING VALVE CHASED W/ SL 6:00PM TO 7:00PM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST R - 1:00PM TOOH 148 JTS TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 1:00PM TO 2:00PM LD 44-JTS TBG ON TRAILER, 1- TAC, 1-PSN, 1-NC 2:00PM TO 5:00PM TIH W/ INJECTION PKR ASSEMBLY, 148 JTS TBG 5:00PM TO 6:00PM PUMPED 10 BBLs DROPPED STANDING VALVE CHASED W/ SL 6:00PM TO 7:00PM PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST R - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM RU RIG FLOOR ND BOPS NU INJECTION WH CIRCULATED 50 BBLs PKR FLUID DOWN CSG 9:00AM TO 10:00AM SET PKR PT CSG TO 1400PSI HELD 100% FOR 30 MIN GOOD TEST 10:00AM TO 11:00AM RD RIG MOSL - 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM

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**Daily Cost:** \$0

**Cumulative Cost:** \$28,536

**10/3/2013 Day: 4**

**Conversion**

Rigless on 10/3/2013 - Conduct initial MIT - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/30/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/01/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$54,248

**Pertinent Files: Go to File List**

Spud Date: 8-11-10  
 Put on Production: 9-24-10  
 GL: 6213' KB: 6225'

## Federal 4-29-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

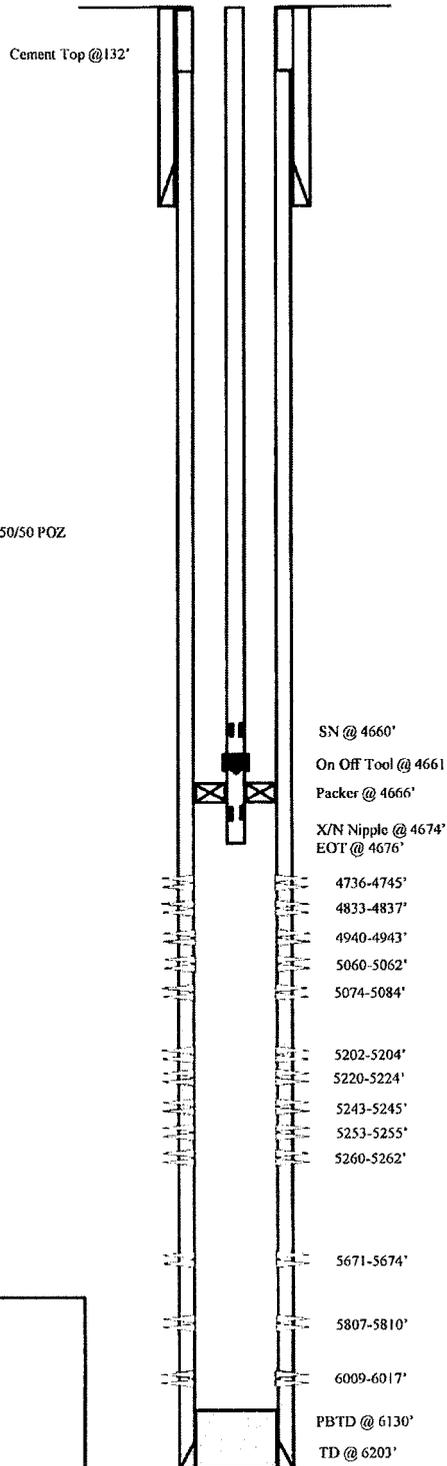
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (339 28)  
 DEPTH LANDED: 352 13'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15 5#  
 LENGTH: 146jts (6160 56')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6176 56'  
 CEMENT DATA: 251 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT: 132'

#### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS: 148 jts (4650')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4660' KB  
 ON/OFF TOOL AT: 4661 1'  
 ARROW #1 PACKER CE AT: 4669 9'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4669 9'  
 TBG PUP 2-3/8 J-55 AT: 4670 4'  
 X/N NIPPLE AT: 4674 5'  
 TOTAL STRING LENGTH: EOT @ 4676 34'



#### FRAC JOB

9-8-10 6009-6017' **Frac BsLSD sands as follows:** Frac with 23721# 20/40 sand in 208 bbls lightning 17 fluid

9-17-10 5671-5810' **Frac CP2 & CP3 sands as follows:** Frac with 8728# 20/40 sand in 82 bbls Lightning 17 fluid

9-17-10 5202-5262' **Frac LODC sands as follows:** Frac with 64809# 20/40 sand in 397 bbls Lightning 17 fluid.

9-17-10 5060-5084' **Frac A1 sands as follows:** Frac with 45961# 20/40 sand in 300bbls Lightning 17 fluid

9-17-10 4833-4943' **Frac C & B2 sands as follows:** Frac with 29382# 20/40 sand in 200bbls Lightning 17 fluid.

9-17-10 4736-4745' **Frac D2 sands as follows:** Frac with 33962# 20/40 sand in 267 bbls Lightning 17 fluid

03/10/11 **Pump change** Rods & tubing updated.

10/01/13 **Convert to Injection Well**

10/01/13 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

Interval	ISPF	Holes
6009-6017'	3 ISPF	24 holes
5807-5810'	3 ISPF	9 holes
5671-5674'	3 ISPF	9holes
5260-5262'	3 ISPF	6 holes
5253-5255'	3 ISPF	6 holes
5243-5245'	3 ISPF	6 holes
5220-5224'	3 ISPF	12 holes
5202-5204'	3 ISPF	6 holes
5074-5084'	3 ISPF	30 holes
5060-5062'	3 ISPF	6 holes
4940-4943'	3 ISPF	9 holes
4833-4837'	3 ISPF	12 holes
4736-4745'	3 ISPF	27 holes

**NEWFIELD**

**Federal 4-29-9-16**

655'FNL & 2045'FWL (NE/NW)  
 Section 29, T9S, R16  
 Duchesne Co, Utah  
 API # 43-013-33469; Lease # UTU-74391



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-409

**Operator:** Newfield Production Company

**Well:** Federal 4-29-9-16

**Location:** Section 29, Township 9 South, Range 16 East

**County:** Duchesne

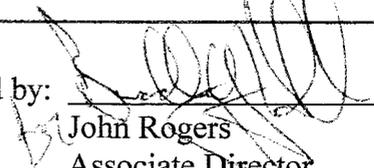
**API No.:** 43-013-33469

**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 11, 2013.
2. Maximum Allowable Injection Pressure: 1,287 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,837' – 6,130')
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

Date

11-6-13

JR/MLR/js

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

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



<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-74391
<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 Water Injection Well	8. WELL NAME and NUMBER: FEDERAL 4-29-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013334690000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	4. LOCATION OF WELL FOOTAGES AT SURFACE: 0655 FNL 2045 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 29 Township: 09.0S Range: 16.0E Meridian: S
COUNTY: DUCHESNE	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/7/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 9:15 AM on  
11/07/2013.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 12, 2013

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 11/11/2013