

# NEWFIELD



Route #3 Box 3630  
Myton, Utah 84052  
(435) 646-4825, FAX: (435) 646-3031

August 16, 2007

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  
**Mon. Butte NE Federal L-25-8-16**  
**Wells Draw Federal Q-33-8-16**  
**Wells Draw Federal C-5-9-16**

**Mon. Butte Federal Q35-8-16**  
**Pleasant Valley Federal H-8-9-17**  
**Pleasant Valley Federal I-8-9-17**

Dear Diana:

Enclosed find APD's on the above referenced wells. The Wells Draw Federal C-5-9-16 will be drill directionally off an existing State Well. Please Contact Dave Allred to set up an On-Site. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
AUG 20 2007  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. <b>UTU-16535</b>	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. <b>Monument Butte Unit</b>	
8. Lease Name and Well No. <b>Monument Butte Federal Q-35-8-16</b>	
9. API Well No. <b>43013-33752</b>	
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory <b>Monument Butte</b>
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	11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 35, T8S R16E</b>
2. Name of Operator <b>Newfield Production Company</b>	12. County or Parish <b>Duchesne</b>
3a. Address <b>Route #3 Box 3630, Myton UT 84052</b>	13. State <b>UT</b>
3b. Phone No. (include area code) <b>(435) 646-3721</b>	14. Distance in miles and direction from nearest town or post office* <b>Approximatley 14.4 miles southwest of Myton, Utah</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NW/SW 1821' FSL 764' FWL</b> At proposed prod. zone <b>NW/SW 1321' FSL 1323' FWL</b>	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>Approx. 1321' f/lse, 2643' f/unit</b>
16. No. of Acres in lease <b>920.00</b>	17. Spacing Unit dedicated to this well <b>20 Acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Approx. 1062'</b>	19. Proposed Depth <b>6420'</b>
20. BLM/BIA Bond No. on file <b>UTB000192</b>	21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5591' GL</b>
22. Approximate date work will start* <b>4th Quarter 2007</b>	23. Estimated duration <b>Approximately seven (7) days from spud to rig release.</b>

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) <b>Mandie Crozier</b>	Date <b>8/16/07</b>
Title <b>Regulatory Specialist</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>08-29-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

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)

Surf  
577371X  
4435946Y  
40.072122  
- 110.092658

BHL  
577543X  
4435795Y  
40.070747  
- 110.090665

Federal Approval of this  
Action is Necessary

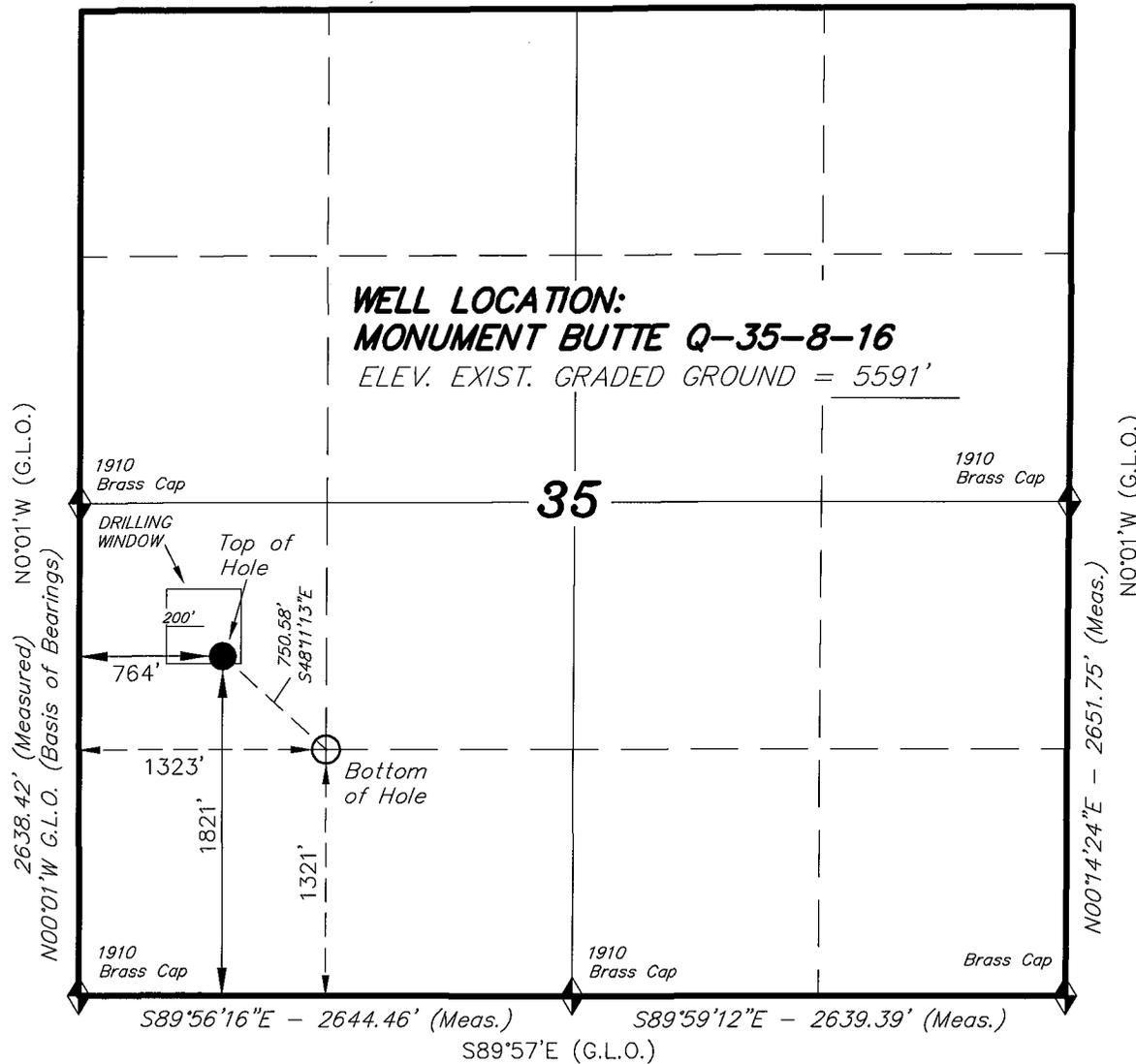
RECEIVED  
AUG 20 2007  
DIV. OF OIL, GAS & MINING

# T8S, R16E, S.L.B.&M.

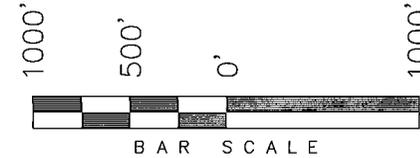
## NEWFIELD PRODUCTION COMPANY

N89°56'W - 80.04 (G.L.O.)

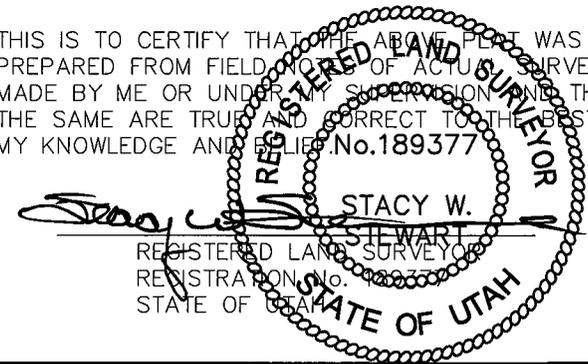
WELL LOCATION, MONUMENT BUTTE  
Q-35-8-16, LOCATED AS SHOWN IN THE  
NW 1/4 SW 1/4 OF SECTION 35, T8S,  
R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**MONUMENT BUTTE Q-35-8-16**  
ELEV. EXIST. GRADED GROUND = 5591'



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



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

◆ = SECTION CORNERS LOCATED

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

**MONUMENT BUTTE Q-35-8-16**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 04' 19.74"  
LONGITUDE = 110° 05' 36.11"

DATE SURVEYED: 06-21-07	SURVEYED BY: T.H.
DATE DRAWN: 07-12-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
MON. BUTTE FEDERAL #Q-35-8-16  
AT SURFACE: NW/SW SECTION 35, T8S, 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' – 2380'
Green River	2380'
Wasatch	6420'

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

Green River Formation 2380' – 6420' - 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  
MON. BUTTE FEDERAL #Q-35-8-16  
AT SURFACE: NW/SW SECTION 35, T8S, 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 Mon. Butte Federal #Q-35-8-16 located in the NW 1/4 SW 1/4 Section 35, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.2 miles ± to its junction with an existing dirt road to the southwest; proceed southwesterly - 1.6 miles ± to its junction with an existing road to the southwest; proceed southerwertyly - 0.6 miles ± to its junction with the beginning of the access road to the existing Federal 12-35-8-16 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 12-35-8-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Federal 12-35-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Mon. Butte Federal Q-35-8-16. All permanent surface equipment will be painted Carlsbad Canyon.

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

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Mon. Butte Federal Q-35-8-16 will be drilled off of the existing Federal 12-35-8-16 well pad. No additional surface disturbance will be required for this location.

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**

**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**

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

A 16 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)

Kochia Low  
Crested Wheatgrass

*Agropyron Cristatum*

6 lbs/acre  
6 lbs/acre

**Details of the On-Site Inspection**

The proposed Mon. Butte Federal #Q-35-8-16 was on-sited on 7/25/07. The following were present; Dave Allred (Newfield Production), Chuck MacDonald (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 #Q-35-8-16 NW/SW Section 35, Township 8S, Range 16E: Lease UTU-16535 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 drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/16/07

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Monument Butte Q-35-8-16  
Well: Monument Butte Q-35-8-16  
Wellbore: OH  
Design: Plan #1

**Novfield Exploration Co.**

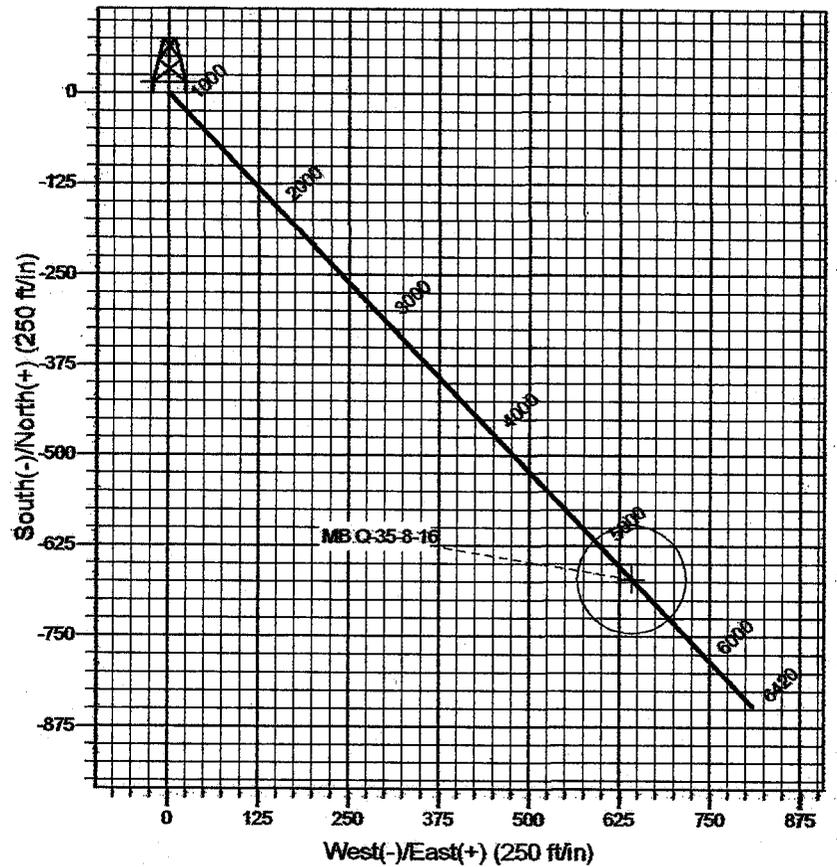
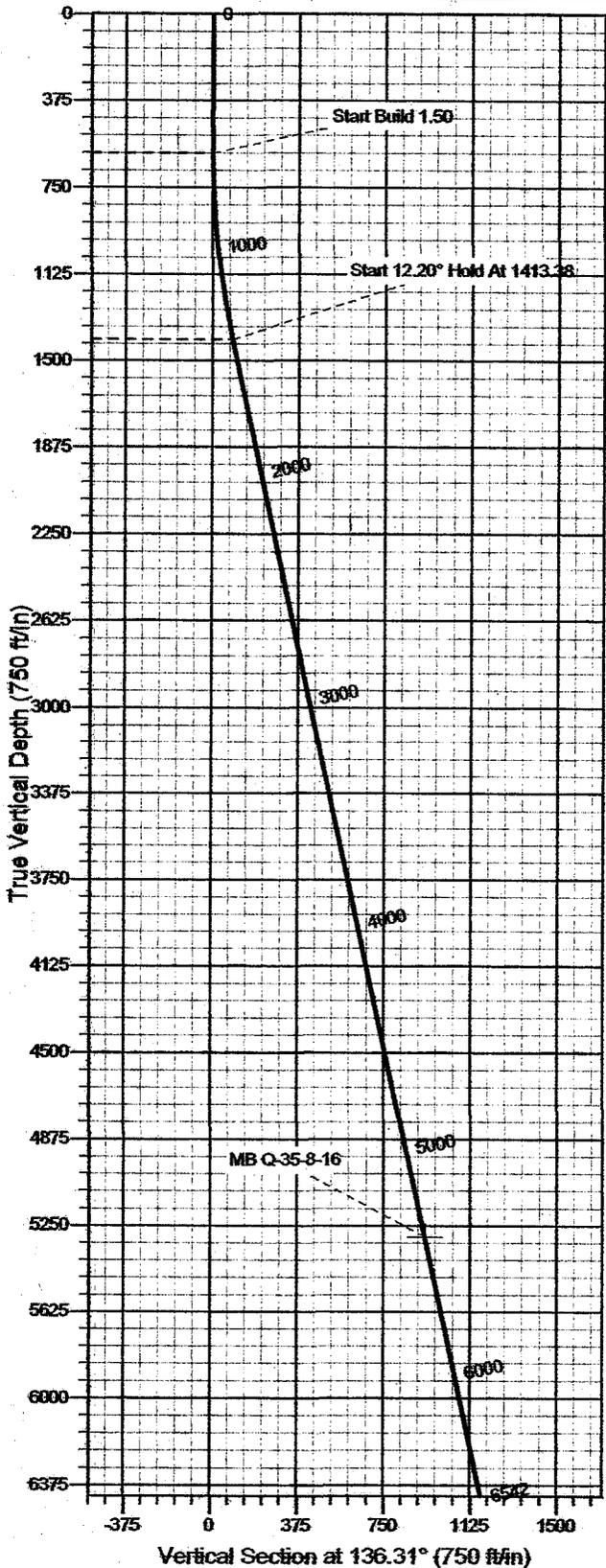
WELL DETAILS: Monument Butte Q-35-8-16



Azimuths to True North  
Magnetic North: 11.81°

Magnetic Field  
Strength: 52683.8nT  
Dip Angle: 65.91°  
Date: 2007-08-02  
Model: IGRF2005-10

GL 5591' & RKB 12' @ 5603.00ft (NDSI 2) 5591.00 Slot  
+N/-S 0.00 +E/-W 0.00 Northing 7198114.16 Easting 2034040.37 Latitude 40° 4' 19.740 N Longitude 110° 5' 36.110 W



FORMATION TOP DETAILS

Plan: Plan #1 (Monument Butte Q-35-8-16/OH)

Created By: Rex Hall Date: 2007-08-02

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: True

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	
3	1413.38	12.20	136.31	1407.24	-62.38	59.59	1.50	136.31	86.27	
4	5396.09	12.20	136.31	5300.00	-671.00	641.00	0.00	0.00	927.96	MB Q-35-8-16
5	6541.97	12.20	136.31	6420.00	-846.10	808.28	0.00	0.00	1170.13	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Monument Butte Q-35-8-16**

**Monument Butte Q-35-8-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**02 August, 2007**

# Scientific Drilling Planning Report

**Database:** MultiUserEDM  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte Q-35-8-16  
**Well:** Monument Butte Q-35-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte Q-35-8-16  
**TVD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**MD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**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>	Monument Butte Q-35-8-16, Sec 35 T8S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,198,114.16 ft	<b>Latitude:</b>	40° 4' 19.740 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,034,040.37 ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	Monument Butte Q-35-8-16, 1821' FSL & 764' FWL					
<b>Well Position</b>	<b>+N-S</b>	0.00 ft	<b>Northing:</b>	7,198,114.16 ft	<b>Latitude:</b>	40° 4' 19.740 N
	<b>+E-W</b>	0.00 ft	<b>Easting:</b>	2,034,040.37 ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,591.00 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</b>
	IGRF2005-10	2007-08-02	(°)	(°)	(nT)
			11.81	65.91	52,684

<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)</b>	<b>+N-S</b>	<b>+E-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	136.31

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
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	
1,413.38	12.20	136.31	1,407.24	-62.38	59.59	1.50	1.50	0.00	136.31	
5,396.09	12.20	136.31	5,300.00	-671.00	641.00	0.00	0.00	0.00	0.00	MB Q-35-8-16
6,541.97	12.20	136.31	6,420.00	-846.10	808.28	0.00	0.00	0.00	0.00	

# Scientific Drilling Planning Report

**Database:** MultiUserEDM  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte Q-35-8-16  
**Well:** Monument Butte Q-35-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte Q-35-8-16  
**TVD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**MD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**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
<b>Start Build 1.50</b>									
700.00	1.50	136.31	699.99	-0.95	0.90	1.31	1.50	1.50	0.00
800.00	3.00	136.31	799.91	-3.79	3.62	5.23	1.50	1.50	0.00
900.00	4.50	136.31	899.69	-8.51	8.13	11.77	1.50	1.50	0.00
1,000.00	6.00	136.31	999.27	-15.13	14.45	20.92	1.50	1.50	0.00
1,100.00	7.50	136.31	1,098.57	-23.63	22.57	32.68	1.50	1.50	0.00
1,200.00	9.00	136.31	1,197.54	-34.00	32.48	47.03	1.50	1.50	0.00
1,300.00	10.50	136.31	1,296.09	-46.25	44.18	63.96	1.50	1.50	0.00
1,400.00	12.00	136.31	1,394.16	-60.36	57.66	83.47	1.50	1.50	0.00
1,413.38	12.20	136.31	1,407.24	-62.38	59.59	86.27	1.50	1.50	0.00
<b>Start 12.20° Hold At 1413.38</b>									
1,500.00	12.20	136.31	1,491.91	-75.62	72.24	104.58	0.00	0.00	0.00
1,600.00	12.20	136.31	1,589.65	-90.90	86.84	125.71	0.00	0.00	0.00
1,700.00	12.20	136.31	1,687.39	-106.18	101.44	146.85	0.00	0.00	0.00
1,800.00	12.20	136.31	1,785.13	-121.46	116.03	167.98	0.00	0.00	0.00
1,900.00	12.20	136.31	1,882.88	-136.75	130.63	189.12	0.00	0.00	0.00
2,000.00	12.20	136.31	1,980.62	-152.03	145.23	210.25	0.00	0.00	0.00
2,100.00	12.20	136.31	2,078.36	-167.31	159.83	231.38	0.00	0.00	0.00
2,200.00	12.20	136.31	2,176.10	-182.59	174.43	252.52	0.00	0.00	0.00
2,300.00	12.20	136.31	2,273.84	-197.87	189.03	273.65	0.00	0.00	0.00
2,400.00	12.20	136.31	2,371.58	-213.15	203.62	294.78	0.00	0.00	0.00
2,500.00	12.20	136.31	2,469.32	-228.43	218.22	315.92	0.00	0.00	0.00
2,600.00	12.20	136.31	2,567.07	-243.72	232.82	337.05	0.00	0.00	0.00
2,700.00	12.20	136.31	2,664.81	-259.00	247.42	358.18	0.00	0.00	0.00
2,800.00	12.20	136.31	2,762.55	-274.28	262.02	379.32	0.00	0.00	0.00
2,900.00	12.20	136.31	2,860.29	-289.56	276.62	400.45	0.00	0.00	0.00
3,000.00	12.20	136.31	2,958.03	-304.84	291.21	421.58	0.00	0.00	0.00
3,100.00	12.20	136.31	3,055.77	-320.12	305.81	442.72	0.00	0.00	0.00
3,200.00	12.20	136.31	3,153.51	-335.40	320.41	463.85	0.00	0.00	0.00
3,300.00	12.20	136.31	3,251.25	-350.69	335.01	484.99	0.00	0.00	0.00
3,400.00	12.20	136.31	3,349.00	-365.97	349.61	506.12	0.00	0.00	0.00
3,500.00	12.20	136.31	3,446.74	-381.25	364.20	527.25	0.00	0.00	0.00
3,600.00	12.20	136.31	3,544.48	-396.53	378.80	548.39	0.00	0.00	0.00
3,700.00	12.20	136.31	3,642.22	-411.81	393.40	569.52	0.00	0.00	0.00
3,800.00	12.20	136.31	3,739.96	-427.09	408.00	590.65	0.00	0.00	0.00
3,900.00	12.20	136.31	3,837.70	-442.37	422.60	611.79	0.00	0.00	0.00
4,000.00	12.20	136.31	3,935.44	-457.65	437.20	632.92	0.00	0.00	0.00
4,100.00	12.20	136.31	4,033.19	-472.94	451.79	654.05	0.00	0.00	0.00
4,200.00	12.20	136.31	4,130.93	-488.22	466.39	675.19	0.00	0.00	0.00
4,300.00	12.20	136.31	4,228.67	-503.50	480.99	696.32	0.00	0.00	0.00
4,400.00	12.20	136.31	4,326.41	-518.78	495.59	717.45	0.00	0.00	0.00
4,500.00	12.20	136.31	4,424.15	-534.06	510.19	738.59	0.00	0.00	0.00
4,600.00	12.20	136.31	4,521.89	-549.34	524.79	759.72	0.00	0.00	0.00
4,700.00	12.20	136.31	4,619.63	-564.62	539.38	780.86	0.00	0.00	0.00
4,800.00	12.20	136.31	4,717.38	-579.91	553.98	801.99	0.00	0.00	0.00
4,900.00	12.20	136.31	4,815.12	-595.19	568.58	823.12	0.00	0.00	0.00

# Scientific Drilling Planning Report

**Database:** MultiUserEDM  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte Q-35-8-16  
**Well:** Monument Butte Q-35-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte Q-35-8-16  
**TVD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**MD Reference:** GL 5591' & RKB 12' @ 5603.00ft (NDSI 2)  
**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)	
5,000.00	12.20	136.31	4,912.96	-610.47	583.18	844.26	0.00	0.00	0.00	
5,100.00	12.20	136.31	5,010.60	-625.75	597.78	865.39	0.00	0.00	0.00	
5,200.00	12.20	136.31	5,108.34	-641.03	612.37	886.52	0.00	0.00	0.00	
5,300.00	12.20	136.31	5,206.08	-656.31	626.97	907.66	0.00	0.00	0.00	
5,396.09	12.20	136.31	5,300.00	-671.00	641.00	927.96	0.00	0.00	0.00	
<b>MB Q-35-8-16</b>										
5,400.00	12.20	136.31	5,303.82	-671.59	641.57	928.79	0.00	0.00	0.00	
5,500.00	12.20	136.31	5,401.56	-686.87	656.17	949.92	0.00	0.00	0.00	
5,600.00	12.20	136.31	5,499.31	-702.16	670.77	971.06	0.00	0.00	0.00	
5,700.00	12.20	136.31	5,597.05	-717.44	685.37	992.19	0.00	0.00	0.00	
5,800.00	12.20	136.31	5,694.79	-732.72	699.96	1,013.32	0.00	0.00	0.00	
5,900.00	12.20	136.31	5,792.53	-748.00	714.56	1,034.46	0.00	0.00	0.00	
6,000.00	12.20	136.31	5,890.27	-763.28	729.16	1,055.59	0.00	0.00	0.00	
6,100.00	12.20	136.31	5,988.01	-778.56	743.76	1,076.73	0.00	0.00	0.00	
6,200.00	12.20	136.31	6,085.75	-793.84	758.36	1,097.86	0.00	0.00	0.00	
6,300.00	12.20	136.31	6,183.50	-809.13	772.96	1,118.99	0.00	0.00	0.00	
6,400.00	12.20	136.31	6,281.24	-824.41	787.55	1,140.13	0.00	0.00	0.00	
6,500.00	12.20	136.31	6,378.98	-839.69	802.15	1,161.26	0.00	0.00	0.00	
6,541.97	12.20	136.31	6,420.00	-846.10	808.28	1,170.13	0.00	0.00	0.00	

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
MB Q-35-8-16	0.00	0.00	5,300.00	-671.00	641.00	7,197,453.32	2,034,691.84	40° 4' 13.108 N	110° 5' 27.864 W
- hit/miss target									
- Shape									
- plan hits target									
- Circle (radius 75.00)									

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
600.00	600.00	0.00	0.00	Start Build 1.50
1,413.38	1,407.24	-62.38	59.59	Start 12.20° Hold At 1413.38

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

COUNTY LINE Q-35-8-16 (Proposed Well)

COUNTY LINE 12-35-8-16 (Existing Well)

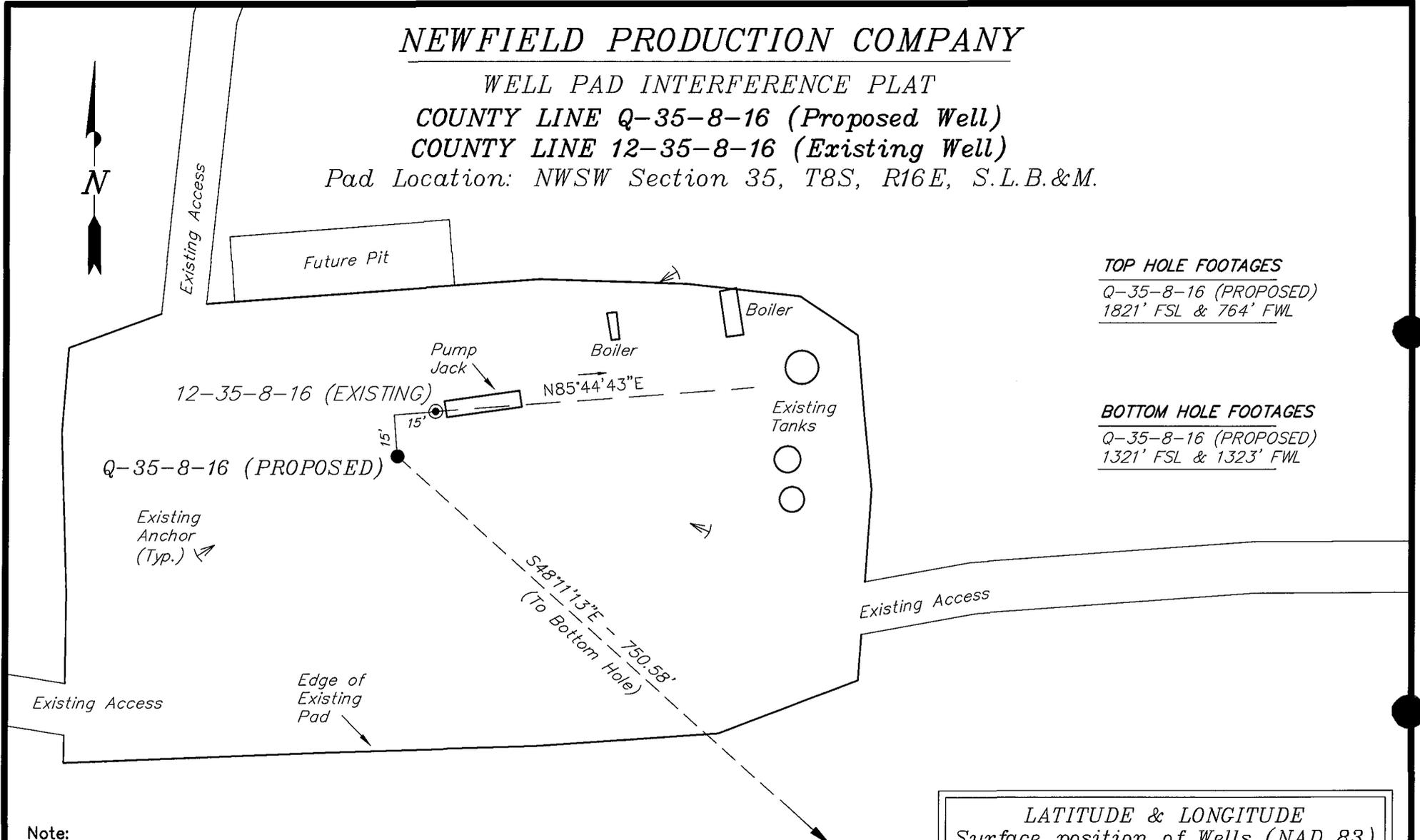
Pad Location: NWSW Section 35, T8S, R16E, S.L.B.&M.

### TOP HOLE FOOTAGES

Q-35-8-16 (PROPOSED)  
1821' FSL & 764' FWL

### BOTTOM HOLE FOOTAGES

Q-35-8-16 (PROPOSED)  
1321' FSL & 1323' FWL



**Note:**  
Bearings are based on  
G.P.S. observations.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
Q-35-8-16	-500'	559'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-35-8-16	40° 04' 19.74"	110° 05' 36.11"
Exist. 12-35	40° 04' 19.90"	110° 05' 35.93"

SURVEYED BY: T.H.	DATE SURVEYED: 06-21-07
DRAWN BY: F.T.M.	DATE DRAWN: 07-12-07
SCALE: 1" = 50'	REVISED:

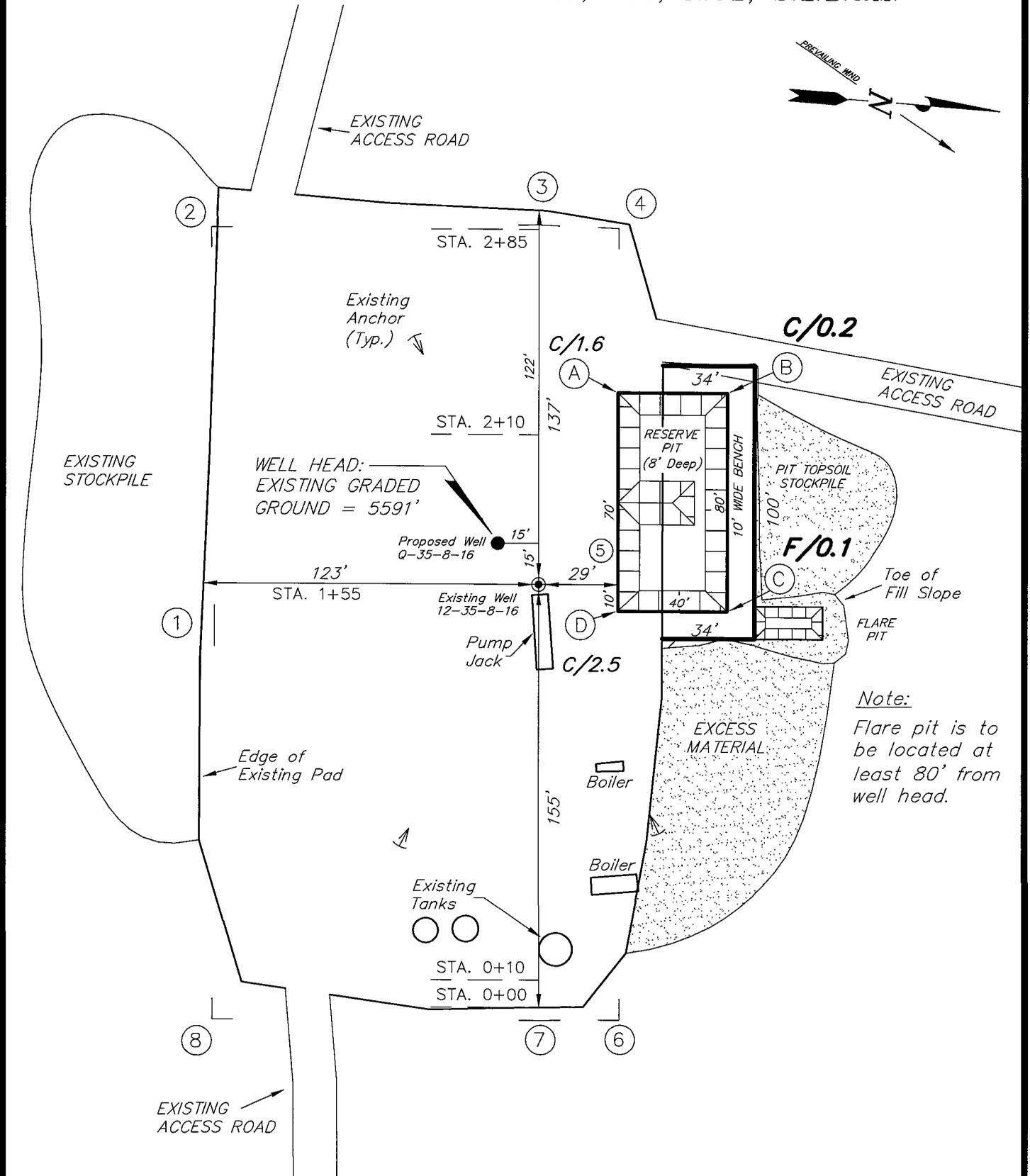
**Tri State**  
Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

**MONUMENT BUTTE Q-35-8-16 (Proposed Well)**

**MONUMENT BUTTE 12-35-8-16 (Existing Well)**

Pad Location: NWSW Section 35, T8S, R16E, S.L.B.&M.



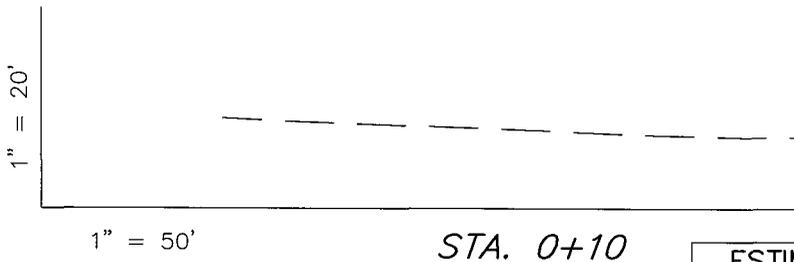
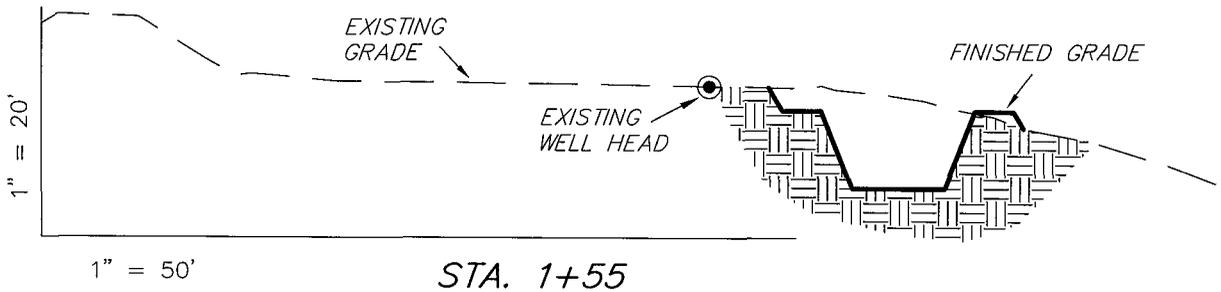
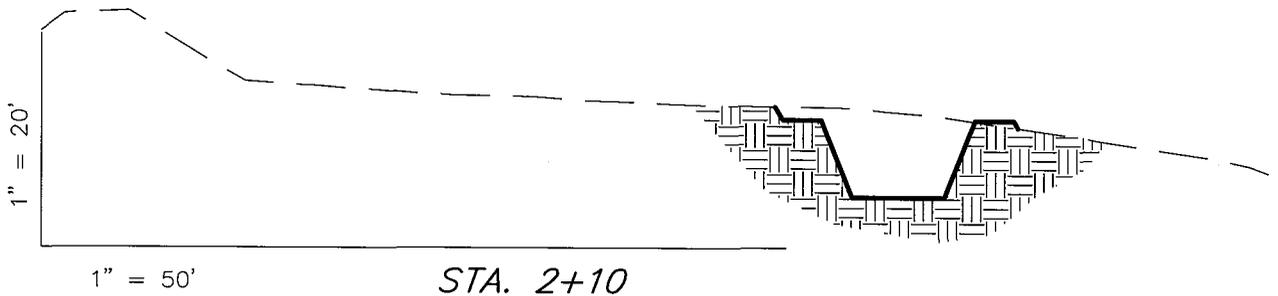
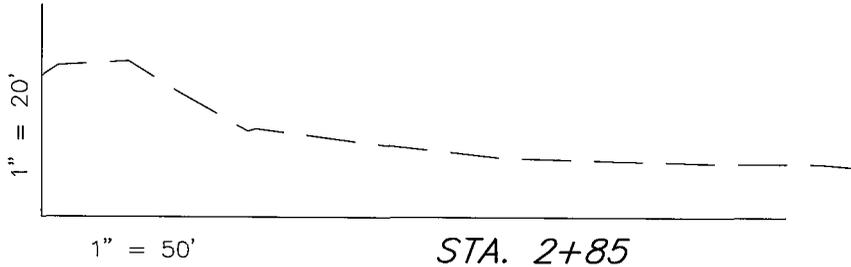
*Note:*  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 06-21-07	 Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
DRAWN BY: F.T.M.	DATE DRAWN: 07-12-07	
SCALE: 1" = 50'	REVISED:	

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

**MONUMENT BUTTE Q-35-8-16 (Proposed Well)**  
**MONUMENT BUTTE 12-35-8-16 (Existing 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	130	130	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	770	130	140	640

SURVEYED BY: T.H.	DATE SURVEYED: 06-21-07
DRAWN BY: F.T.M.	DATE DRAWN: 07-12-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.

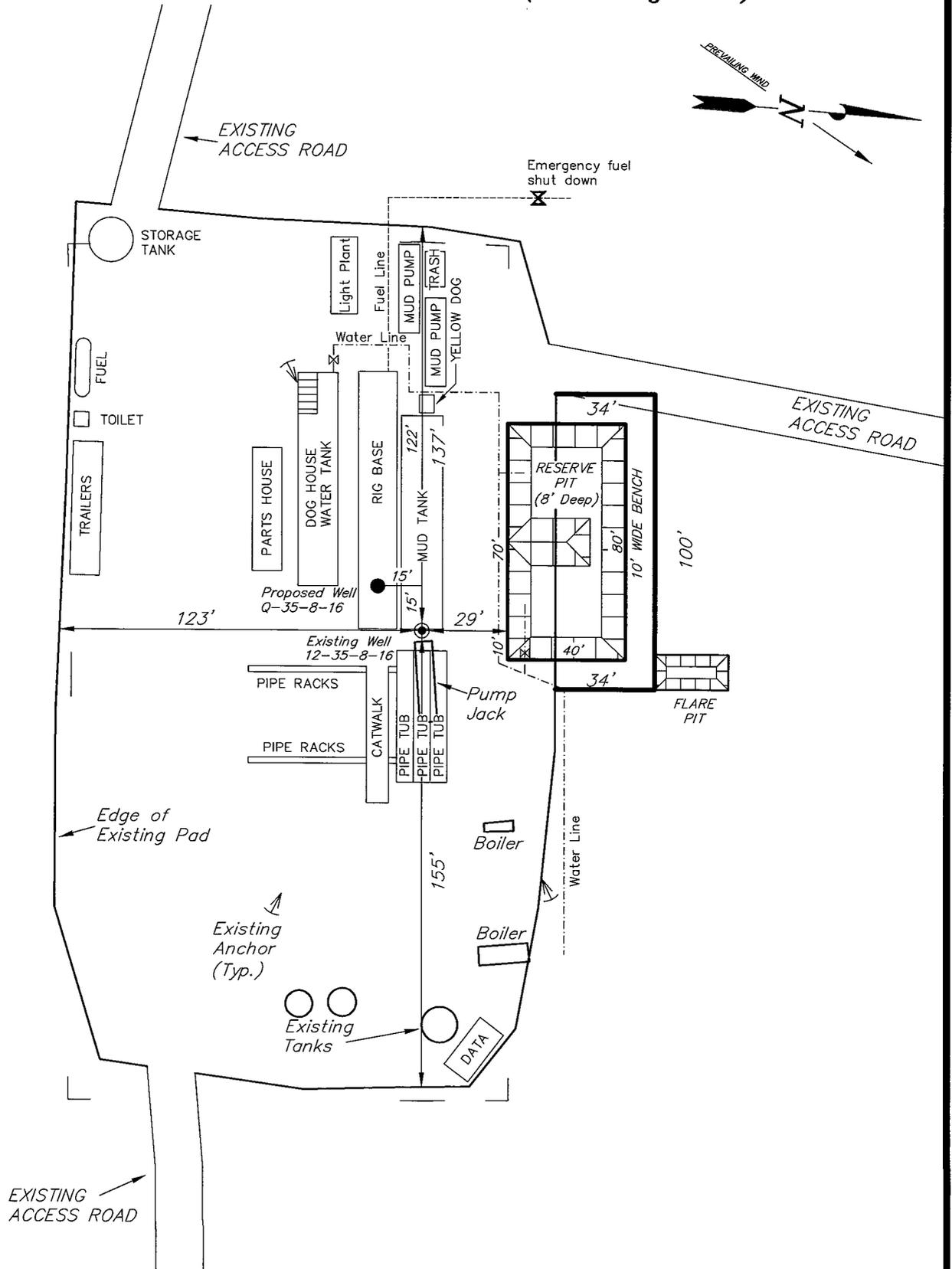
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

MONUMENT BUTTE Q-35-8-16 (Proposed Well)  
 MONUMENT BUTTE 12-35-8-16 (Existing Well)



SURVEYED BY: T.H.	DATE SURVEYED: 06-21-07
DRAWN BY: F.T.M.	DATE DRAWN: 07-12-07
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

Monument Butte Federal Q-35-8-16

From the 12-35-8-16 Location

NW/SW Sec. 35 T8S, 16E

Duchesne County, Utah

UTU-16535

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

**Production Phase:**

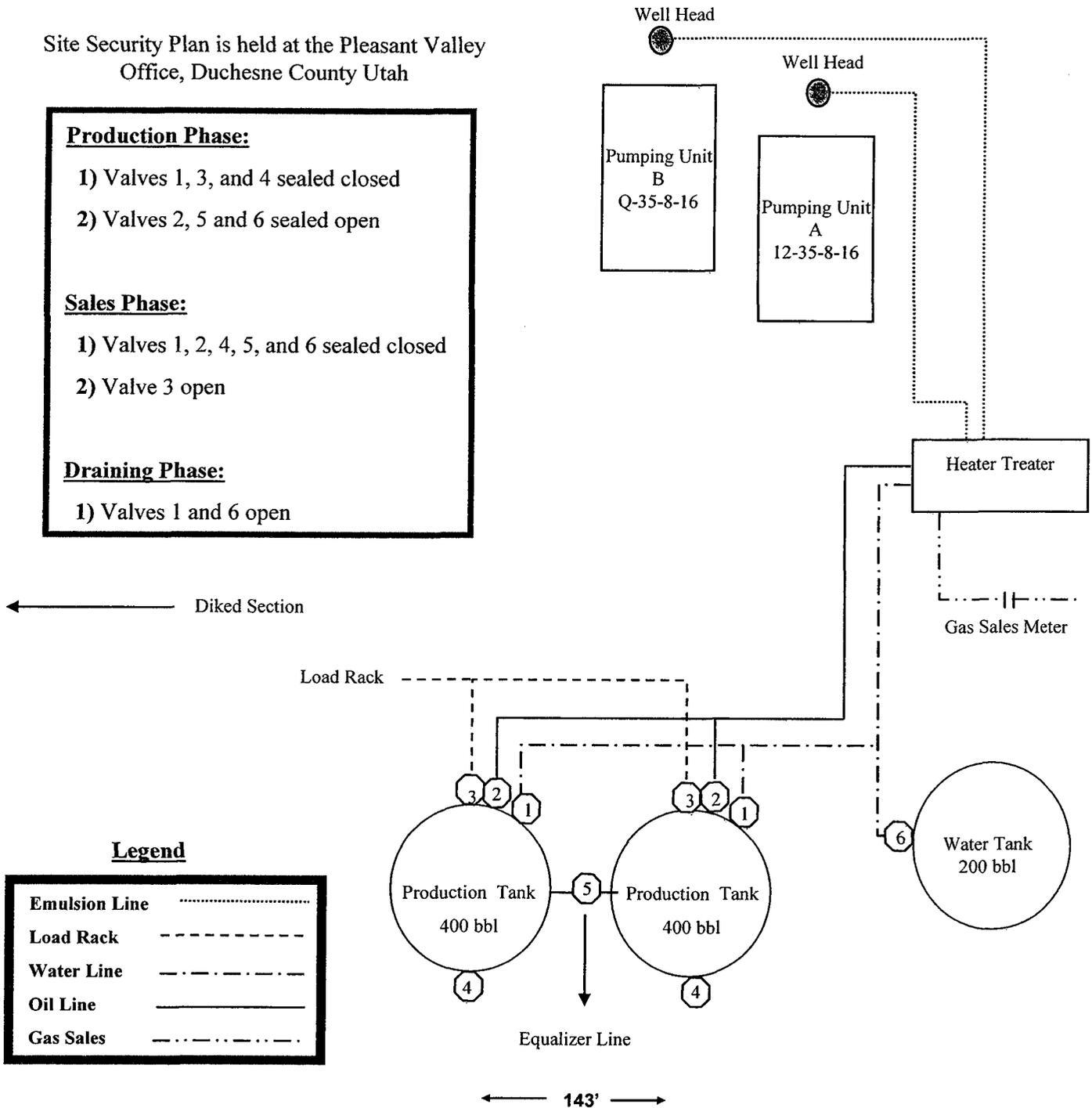
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

**Sales Phase:**

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

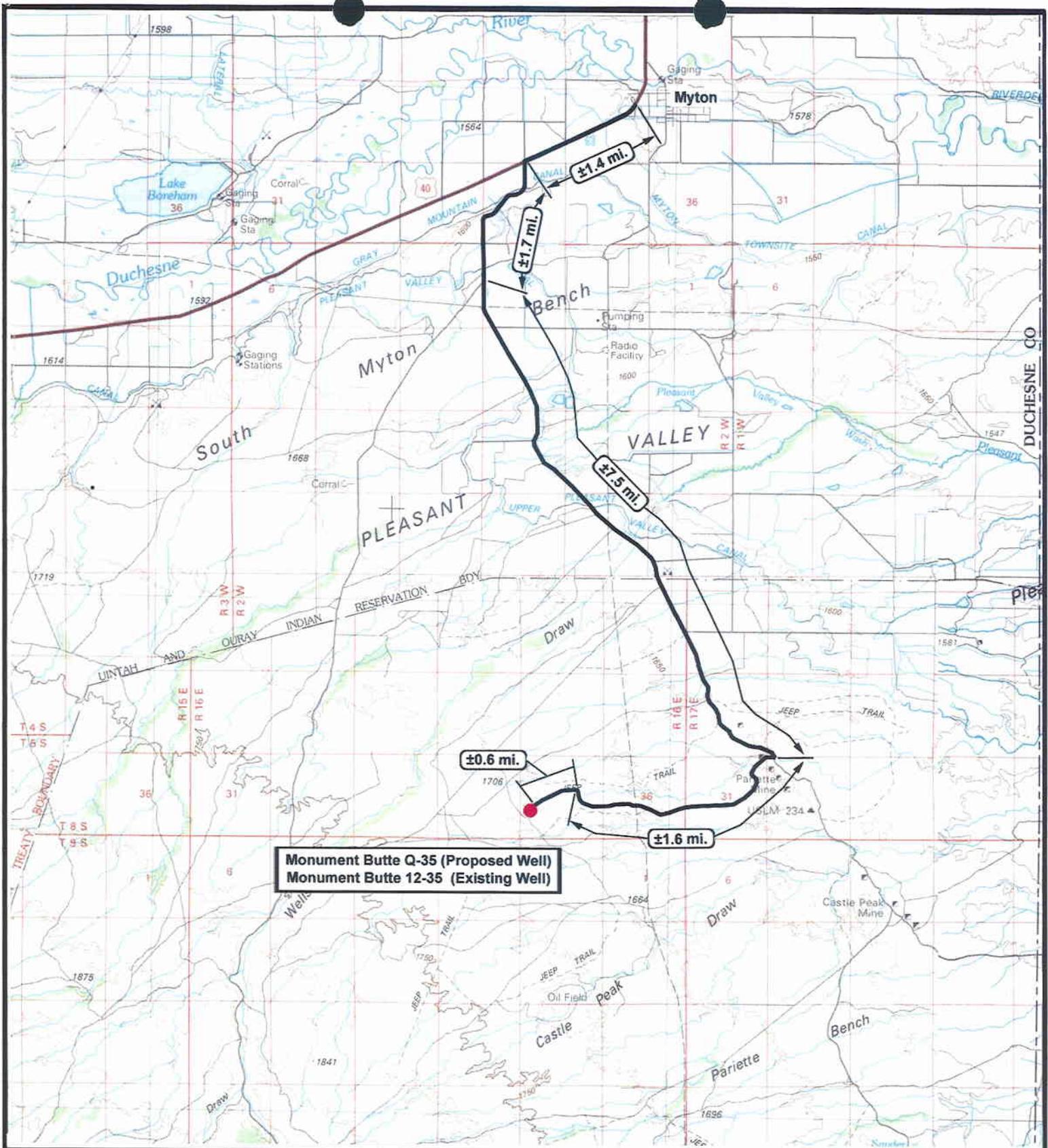
**Draining Phase:**

- 1) Valves 1 and 6 open



**Legend**

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



**Monument Butte Q-35 (Proposed Well)**  
**Monument Butte 12-35 (Existing Well)**

**NEWFIELD**  
Exploration Company

**Monument Butte Q-35-8-16 (Proposed Well)**  
**Monument Butte 12-35-8-16 (Existing Well)**  
 Pad Location: NWSW SEC. 35, T8S, R16E, S.L.B.&M.



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

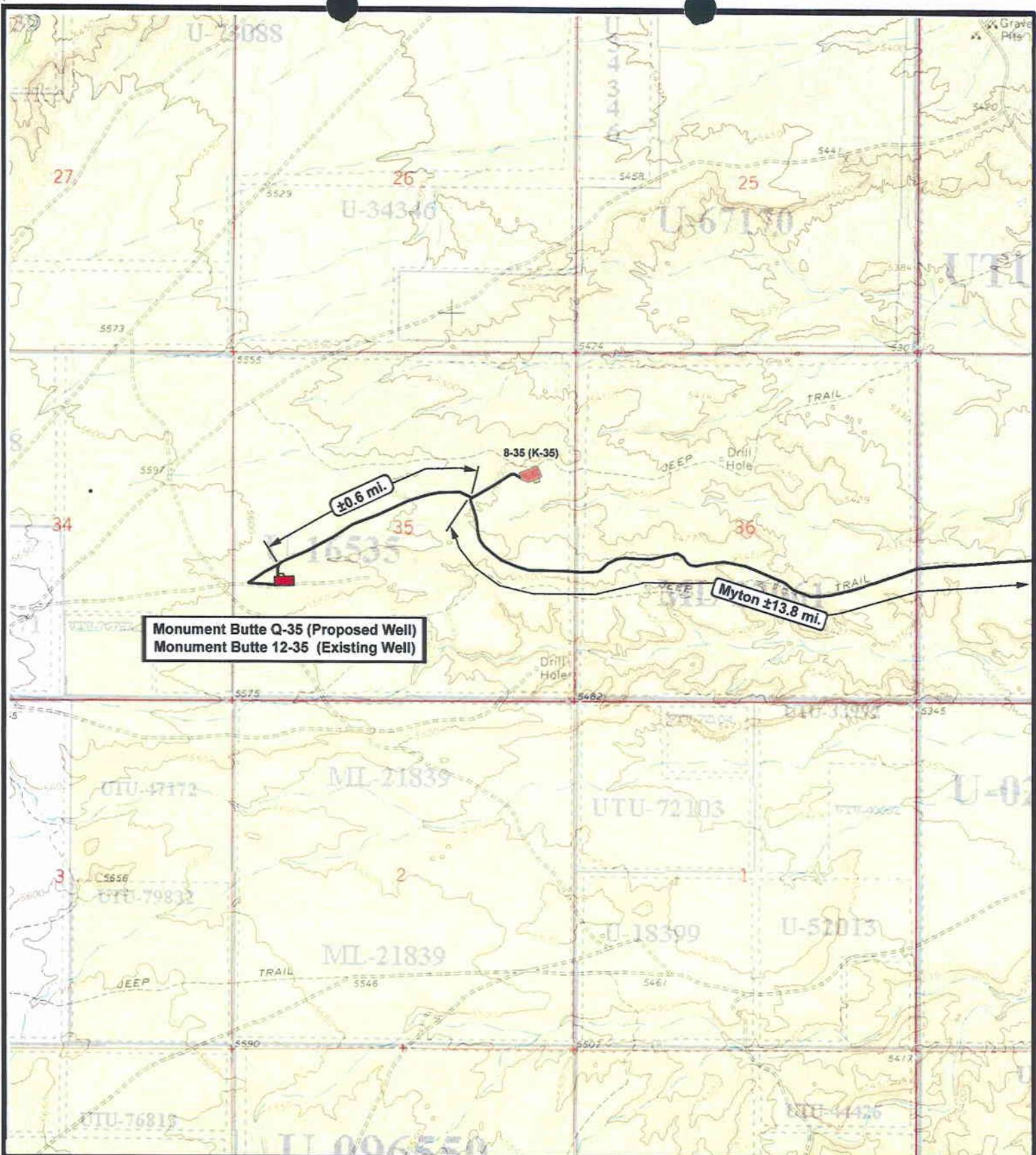
SCALE: 1 = 100,000  
 DRAWN BY: mw  
 DATE: 07-17-2007

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



Monument Butte Q-35 (Proposed Well)  
 Monument Butte 12-35 (Existing Well)



**NEWFIELD**  
Exploration Company

**Monument Butte Q-35-8-16 (Proposed Well)**  
**Monument Butte 12-35-8-16 (Existing Well)**  
 Pad Location: NWSW SEC. 35, T8S, R16E, S.L.B.&M.




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

**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 07-17-2007**

**Legend**

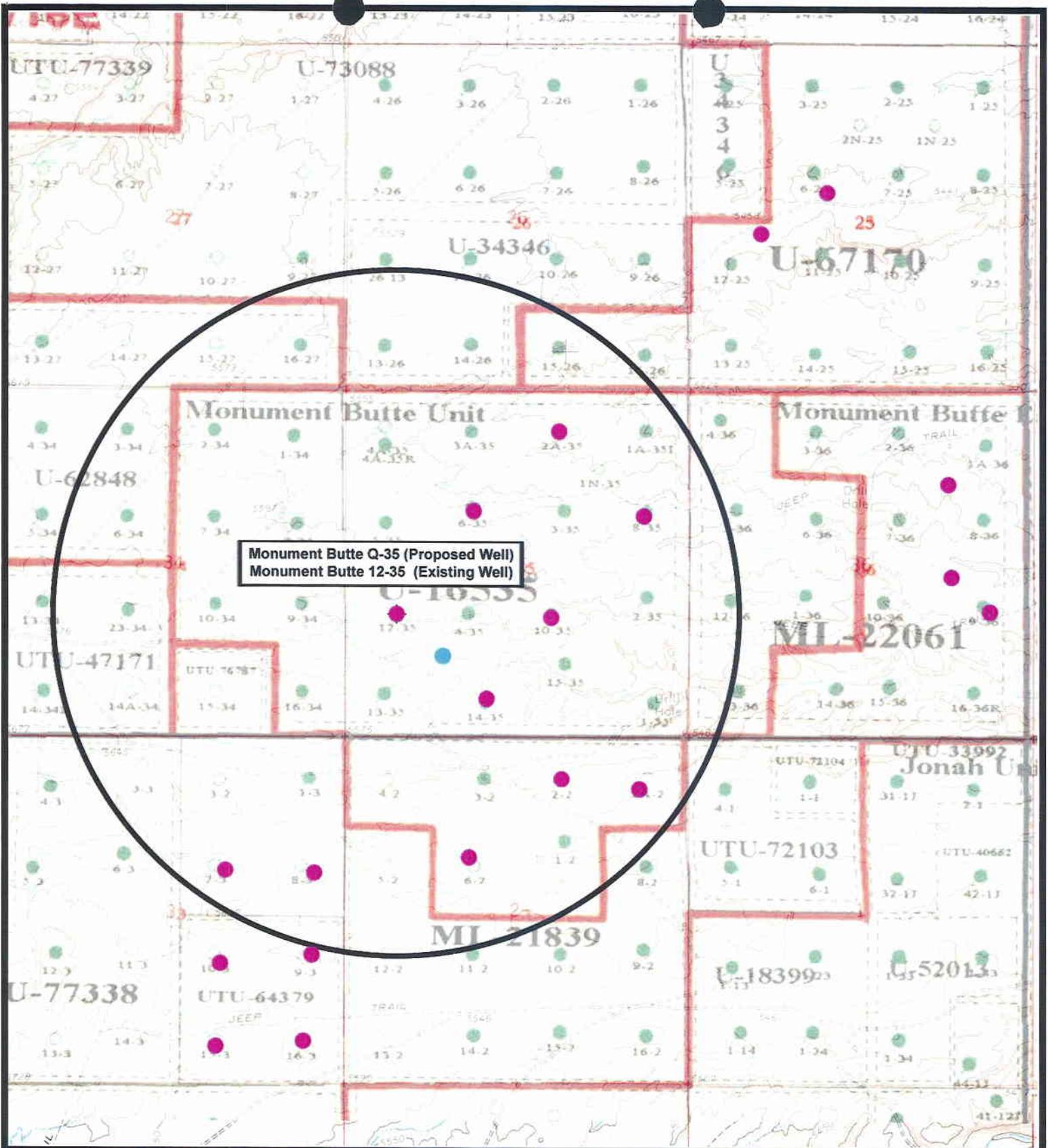
 Existing Road

**TOPOGRAPHIC MAP**

**"B"**







Monument Butte Q-35 (Proposed Well)  
 Monument Butte 12-35 (Existing Well)



**NEWFIELD**  
 Exploration Company

**Monument Butte Q-35-8-16 (Proposed Well)**  
**Monument Butte 12-35-8-16 (Existing Well)**  
 Pad Location: NWSW SEC. 35, T8S, R16E, S.L.B.&M.



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

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 07-17-2007

**Legend**

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

**Exhibit "B"**



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/20/2007

API NO. ASSIGNED: 43-013-33752

WELL NAME: MB FED Q-35-8-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
 NSW 35 080S 160E  
 SURFACE: 1821 FSL 0764 FWL  
 BOTTOM: 1321 FSL 1323 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.07212 LONGITUDE: -110.0927  
 UTM SURF EASTINGS: 577371 NORTHINGS: 4435946  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-16535  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

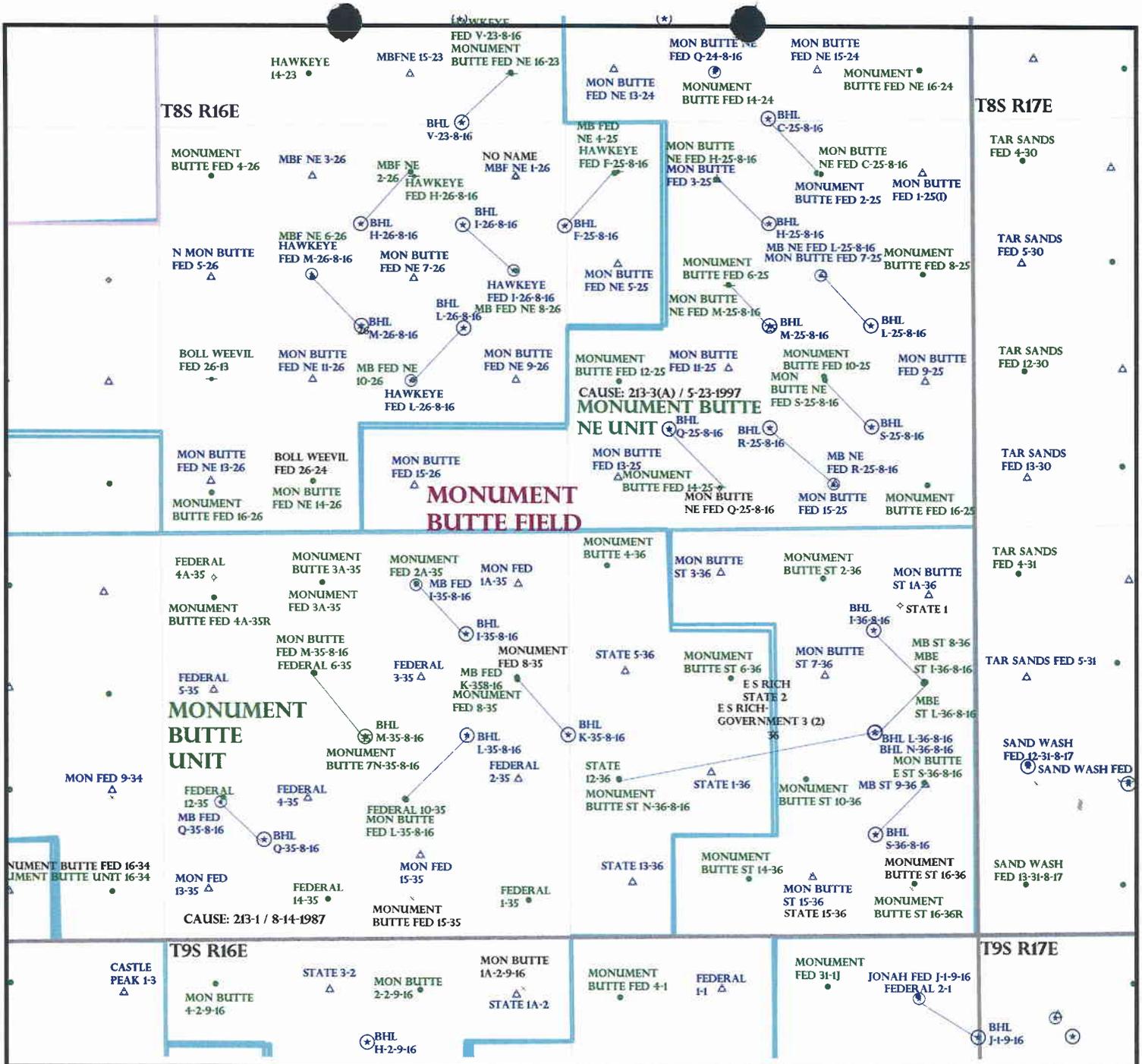
Plat  
 Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. UTB000192 )  
 Potash (Y/N)  
 Oil Shale 190-5 (B) or 190-3 or 190-13  
 Water Permit  
 (No. 43-10136 )  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_ )  
 Fee Surf Agreement (Y/N)  
 Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.  
 Unit: MONUMENT BUTTE (GR D)  
 \_\_\_ R649-3-2. General  
 Siting: 460' From Qtr/Qtr & 920' Between Wells  
 \_\_\_ R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Eff Date: \_\_\_\_\_  
 Siting: 460' from dog's 920' from other wells.  
 R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 30 T.8S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 213-1 / 8-14-1987

- 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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 27-AUGUST-2007



August 23, 2007

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Monument Butte Federal Q-35-8-16**  
Monument Butte Unit  
UT080P49-8861680  
Surface Hole: T8S R16E, Section 35: NW/4SW/4  
1821' FSL 764' FWL  
Bottom Hole: T8S R16E, Section 35: NW/4SW/4  
1321' FSL 1323' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated July 31, 2007, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Monument Butte Federal Unit UT080P49-8861680. Newfield certifies that it is the Monument Butte Unit Operator and all lands within 460 feet of the entire directional well bore are within the Monument Butte Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED

AUG 27 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

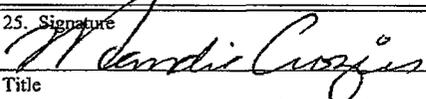
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535
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. Monument Butte Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Monument Butte Federal Q-35-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1821' FSL 764' FWL At proposed prod. zone NW/SW 1321' FSL 1323' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.4 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 35, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1321' f/lse, 2643' f/unit	16. No. of Acres in lease 920.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1062'	19. Proposed Depth 6420'	17. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5591' GL	22. Approximate date work will start* 4th Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be 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 	Name (Printed/Typed) Mandie Crozier	Date 8/16/07
Title Regulatory Specialist		

Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

\*(Instructions on reverse)

RECEIVED  
AUG 27 2007  
DIV. OF OIL, GAS & MINING

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 29, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Monument Butte Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2007 within the Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-013-33752 MB Fed Q-35-8-16 Sec 35 T08S R16E 1821 FSL 0764 FWL
BHL Sec 35 T08S R16E 1321 FSL 1323 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:8-29-07



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
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

August 29, 2007

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

Re: Monument Butte Federal Q-35-8-16 Well, Surface Location 1821' FSL, 764' FWL, NW SW, Sec. 35, T. 8 South, R. 16 East, Bottom Location 1321' FSL, 1323' FWL, NW SW, Sec. 35, T. 8 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 43-013-33752.

Sincerely,

  
for Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Monument Butte Federal Q-35-8-16

API Number: 43-013-33752

Lease: UTU-16535

Surface Location: NW SW      Sec. 35      T. 8 South      R. 16 East

Bottom Location: NW SW      Sec. 35      T. 8 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 Dustin Doucet at (801) 538-5281    (801) 733-0983 home

#### 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. 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.

RECEIVED  
VERNAL FIELD OFFICE

2007 AUG 20 PM 1:56

DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.

Form 3160-3  
(September 2001)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535
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. Monument Butte Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Monument Butte Federal Q-35-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 33752
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/SW 1821' FSL 764' FWL At proposed prod. zone NE NW/SW 1321' FSL 1323' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.4 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 35, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1321' f/ise, 2643' f/unit	16. No. of Acres in lease 920.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1062'
19. Proposed Depth 6420'	20. BLM/BIA Bond No. on file UTB000192	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5591' GL
22. Approximate date work will start* 4th Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.	24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be 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 	Name (Printed/Typed) Mandie Crozier	Date 8/16/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jenny Kencel	Date 4-16-2008
Title Assistant Field Manager Lands & Mineral 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 **CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

UDOGM

NOTICE OF APPROVAL

RECEIVED

APR 18 2008

DIV. OF OIL, GAS & MINING

NOS 8/6/07  
07PP2627A



**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>NWSW, Sec. 35, T8S, R16E (S) NESW, Sec. 35, T8S, R16E (B)</b>
<b>Well No:</b>	<b>Monument Butte Federal Q-35-8-16</b>	<b>Lease No:</b>	<b>UTU-16535</b>
<b>API No:</b>	<b>43-013-33752</b>	<b>Agreement:</b>	<b>Monument Butte Unit</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:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
Supervisory NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
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:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**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.

**STIPULATIONS:**

- The proposed area contains Mountain plover habitat. With this occurrence there will be a timing restriction during project activity (construction and drilling) to minimize disturbance to Mountain plover nesting from May 15 – June 15.
- Lease Notices from RMP:
  1. The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
  2. The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Comments:  
None

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.

- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- **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 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 Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

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

• **Final reclamation:**

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

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- None

**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\_Wellogs@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 ( $\frac{1}{4}$ / $\frac{1}{4}$ , 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.

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. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16906	4304739392	FEDERAL 3-19-9-18	NENW	19	9S	18E	UINTAH	5/22/2008	6/19/08
WELL 1 COMMENTS: GRRU											
B	99999	10835	4301333752	MON BT FED Q-35-8-16	SESW	35	8S	16E	DUCHESNE	5/18/2008	6/19/08
GRRU BHL = NWSW											
A	99999	16907	4301333780	UTE TRIBAL 7-19-4-1	SWNE	19	4S	1W	DUCHESNE	5/22/2008	6/19/08
GRRU											
B	99999	12376 10628	4301333751	Wells Draw FEDERAL Q-33-8-16	SESW	33	8S	16E	DUCHESNE	5/20/2008	6/19/08
GRRU BHL = SESW											
B	99999	12391	4301333875	GREATER BOUNDARY II FEDERAL M-34-8-17	SENW	34	8S	17E	DUCHESNE	5/24/2008	6/19/08
WELL 5 COMMENTS: GRRU BHL = SENW											
A	99999	16908	4304739258	FEDERAL 2-24-9-17	NWNE	24	9S	17E	UINTAH	5/26/2008	6/19/08
WELL 5 COMMENTS: GRRU											

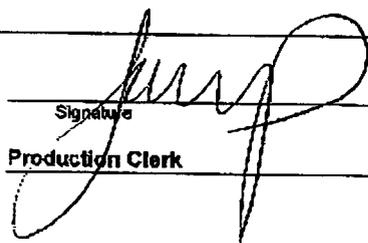
- ACTION CODES (See instructions on back of form)
- A - new entry for new well (single well only)
  - B - well to existing entity (group or unit well)
  - C - from one existing entity to another existing entity
  - D - well from one existing entity to a new entity
  - E - tier (explain in comments section)

RECEIVED

MAY 29 2008

DIV. OF OIL, GAS & MINING

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

Signature:   
 Jentri Park  
 Production Clerk  
 05/29/08  
 Date



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

\_\_\_\_\_ **8 5/8** \_\_\_\_\_ CASING SET AT \_\_\_\_\_ **322.15** \_\_\_\_\_

LAST CASING **8 5/8"** set @ \_\_\_\_\_ **322.15**  
 DATUM **12' KB**  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER **320** \_\_\_\_\_ LOGGER \_\_\_\_\_  
 HOLE SIZE **12 1/4**

OPERATOR **Newfield Production Company**  
 WELL **MB Federal Q-35-8-16**  
 FIELD/PROSPECT **Monument Butte**  
 CONTRACTOR & RIG # **Ross # 21**

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 42.5'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	310.3
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			312.15
TOTAL LENGTH OF STRING		312.15	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>322.15</b>
TOTAL		310.3	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		310.3	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	5/18/2008	6:00 PM	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE		5/19/2008	4:00 PM	Bbls CMT CIRC TO SURFACE <u>3</u>			
BEGIN CIRC		5/19/2008	5:51 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		5/19/2008	6:04 PM				
BEGIN DSPL. CMT		5/19/2008	6:15 PM	BUMPED PLUG TO <u>108</u> PSI			
PLUG DOWN		5/19/2008	6:22 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Justin Crum \_\_\_\_\_ DATE 5/20/2008 \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

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

SESW Section 35 T8S R16E

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

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

MON BUTTE UNIT

8. Well Name and No.

MON BT FED Q-35-8-16

9. API Well No.

4301333752

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 5/22/08 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6541'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 143 jt's of 5.5 J-55, 15.5# csgn. Set @ 6531' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 1/2 bbl of cement to reserve pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig @ 6:00 PM on 5/30/08.

**RECEIVED**  
**JUN 24 2008**  
DIV. OF OIL, GAS & MINING

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

Justin Crum

Signature

Title

Drilling Foreman

Date

06/22/2008

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

Approved by

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

Title

Date

Office

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

(Instructions on page 2)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6531.16

Flt cllr @ 6475.37

LAST CASING 8 5/8" SET AT 322'  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6541' LOGGER 6441'  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL MBF Q-35-8-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI Rig # 1

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt @ 4436'</b>					
<b>142</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	6475.37
							0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	42.54
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6533.16
TOTAL LENGTH OF STRING		6533.16	143	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		186.24	4	CASING SET DEPTH			<b>6531.16</b>
TOTAL		<b>6704.15</b>	147	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6704.15	147				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		5/30/2008	6:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		5/30/2008	9:30 AM	Bbls CMT CIRC TO SURFACE <u>0.50</u>			
BEGIN CIRC		5/30/2008	9:30 AM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		5/30/2008	11:26 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		5/30/2008	12:26 PM	BUMPED PLUG TO <u>2206</u> PSI			
PLUG DOWN		<b>5/30/2008</b>	<b>12:56 PM</b>				
CEMENT USED				CEMENT COMPANY- <b>B. J.</b>			
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>300</b>	Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>450</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum DATE 5/31/2008

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16535

**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:  
MON BUTTE UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MON BT Q-35-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333752

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

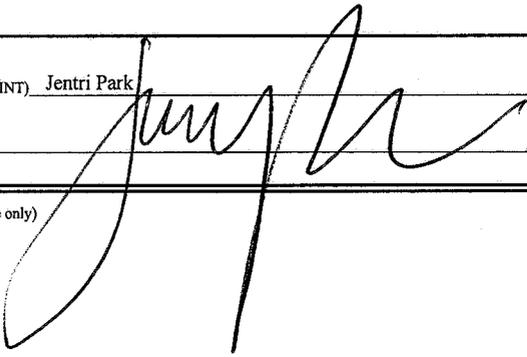
4. LOCATION OF WELL:  
FOOTAGES AT SURFACE:  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 35, T8S, R16E

COUNTY: DUCHESNE  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/15/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 06-23-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE  DATE 07/15/2008

(This space for State use only)

**RECEIVED**  
**JUL 28 2008**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**MON BT Q-35-8-16**

**4/1/2008 To 8/30/2008**

**6/13/2008 Day: 1**

**Completion**

Rigless on 6/12/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6437' & cement top @ 190'. Perforate stage #1. CP.5 sds @ 5938-50' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. 154 BWTR. SIFN.

**6/18/2008 Day: 2**

**Completion**

Rigless on 6/17/2008 - Stage #1, CP.5 sands. RU BJ Services. 0 psi on well. Frac CP.5 sds w/ 19,945#'s of 20/40 sand in 339 bbls of Lightning 17 fluid. Broke @ 3592 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2264 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1981 psi. Leave pressure on well. 493 BWTR Stage #2, A1 sands. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 26' perf gun. Set plug @ 5680'. Perforate A1 sds @ 5558-84' w/ 3-1/8" Slick Guns w/ 4 spf for total of 104 shots. RU BJ Services. 1570 psi on well. Frac A1 sds w/ 160,780#'s of 20/40 sand in 1113 bbls of Lightning 17 fluid. Broke @ 2280 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1421 psi @ ave rate of 26.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2010 psi. Leave pressure on well. 1606 BWTR Stage #3, D1 sands. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 24' perf gun. Set plug @ 5170'. Perforate D1 sds @ 5060-84' w/ 3-1/8" Slick Guns w/ 4 spf for total of 96 shots. RU BJ Services. 1414 psi on well. Frac D1 sds w/ 40,231#'s of 20/40 sand in 412 bbls of Lightning 17 fluid. Broke @ 1875 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1962 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2408 psi. Leave pressure on well. 2018 BWTR Stage #4, GB6 sands. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 12' perf gun. Set plug @ 4700'. Perforate GB6 sds @ 4592-4604' w/ 3-1/8" Slick Guns w/ 4 spf for total of 48 shots. RU BJ Services. 1662 psi on well. Frac GB6 sds w/ 46,614#'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Broke @ 1798 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2016 psi @ ave rate of 23.2 BPM. ISIP 2278 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 8 hrs & died. Rec. 480 BTF. SIWFn w/ 1972 BWTR.

**6/19/2008 Day: 3**

**Completion**

Western #1 on 6/18/2008 - MIRU Western #1. 800 psi on well. Bleed off pressure. Flowed back 63 bbls of fluid (75% oil). RU Perforators LLC WL. RIH w/ Weatherford 5 1/2" solid composite plug. Set plug @ 4555'. RD WL. Bleed off well. ND Cameron BOP & 5M WH. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 44 jts 2 7/8 tbg. EOT @ 1393'. SIWFn w/ 1956 BWTR.

**6/20/2008 Day: 4**

**Completion**

Western #1 on 6/19/2008 - 0 psi on well. Continue to talley, PU & RIH w/ 2 7/8 tbg. Tagged plug @ 4555'. R U Nabors power swivel. Circulate sand & drill out plugs as follows. Plug @ 4555' (Drilled up in 16 mins). Plug @ 4700' (Drilled up in 35 mins). Sand @ 4816', Plug @ 5170' (Drilled up in 19 mins). Plug @ 5680' (Drilled up in 54 mins). Sand @ 6150'. C/O to 6292'. LD 1 jts of tbg. EOT @ 6260'. SIWFN w/ 2086 BWTR.

---

6/21/2008 Day: 5

Completion

Western #1 on 6/20/2008 - Well on vacuum. PU & RIH w/ tbg. Taggd fill @ 6292'. RU Nabors power swivel. C/O to PBTD 6487'. LD 2- jts of tbg. EOT @ 6418'. RU swab equipment. IFL @ sfc. Made 8 runs, Rec 124 BTF. FFL @ 500'. Trace of oil, No sand. RD swab. PU & RIH w/ tbg. Tagged fill @ 6469'. C/O to PBTD @ 6487'. LD extra tbg. TOH w/ tbg. LD bit & bit sub. PU & RIH w/ production tbg as follows: NC, 2-jts, SN, 1- jt, TA & 188 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/16,000#'s of tension @ 5920.84', SN @ 5954.94', EOT @ 6019.41'. NU WH. Transferred 80 bbls of oil to production tank. SIWFN w/ 2043 BWTR.

---

6/24/2008 Day: 6

Completion

Western #1 on 6/23/2008 - Bleed off well. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump, 4- 1 1/2" weight bars, 233- 7/8" scraped rods (8 per rod), 1- 6', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 2 bbls water. Stroke test to 800 psi. RU pumping unit. Hang off rods. Could not put well on prodcuton. No gas to unit. SWIFN. Place well on production @ 4:30 PM, @ 5 SPM. Final Report

---

Pertinent Files: Go to File List

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-16535

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Monument Butte

8. FARM OR LEASE NAME, WELL NO.

Mon Butte Federal Q-35-8-16

9. WELL NO.

43-013-33752

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

Sec. 35, T8S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

19. ELEV. CASINGHEAD

5603'KB

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE

yes

27. WAS WELL CORED

No

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

1a. TYPE OF WORK

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

1b. TYPE OF WELL

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

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 1821' FSL & 764' FWL (NE/SW) Sec. 35, T8S, R16E

*per HSM review*

At top prod. Interval reported below

At total depth

1324' FSL & 1323' FWL (NESW) Sec. 35, T8S, R16E

14. API NO. 43-013-33752

DATE ISSUED 08/29/07

15. DATE SPUNDED 05/18/08

16. DATE T.D. REACHED 05/28/08

17. DATE COMPL. (Ready to prod.) 06-23-08

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5591'GL

19. ELEV. CASINGHEAD 5603'KB

20. TOTAL DEPTH, MD & TVD

6541' 1422

21. PLUG BACK T.D., MD & TVD

6487' 1368

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

Green River 4592'-5950'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	322'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6531'	7-7/8"	350 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6019'	TA @ 5951'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP.5) 5938'-50'	.49"	4/48	5938'-5950'	Frac w/ 19,945# 20/40 sand in 339 bbls fluid
(A1) 5558'-5584'	.49"	4/104	5558'-5584'	Frac w/ 160,780# 20/40 sand in 1113 bbls fluid
(D1) 5060'-84'	.49"	4/96	5060'-5084'	Frac w/ 40,231# 20/40 sand in 412 bbls fluid
(GB6) 4592'-4604'	.49"	4/48	4592'-4604'	Frac w/ 46,614# 20/40 sand in 434 bbls fluid

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

33.\* PRODUCTION

DATE FIRST PRODUCTION 06-23-08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' x 20' RHAC rod pump				WELL STATUS (Producing or shut-in) PRODUCING		
DATE OF TEST 07-31-08	HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD	OIL--BBL. 140	GAS--MCF. 153	WATER--BBL. 1	GAS-OIL RATIO 1093
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for Fuel

TEST W/INSTRUMENTS

**RECEIVED**

35. LIST OF ATTACHMENTS

AUG 18 2008

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

SIGNED \_\_\_\_\_

TITLE Production Tech

D.V. OF OIL, GAS & MINING  
8/8/2008

Jenri Park

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

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

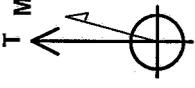
38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Mon Butte Federal Q-35-8-16	4007'	
				4223'	
				4341'	
				4617'	
				4878'	
				4911'	
				5036'	
				5290'	
				5430'	
				5913'	
				6350'	
				6549'	

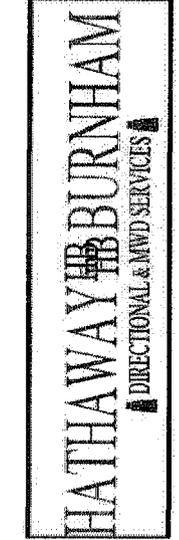
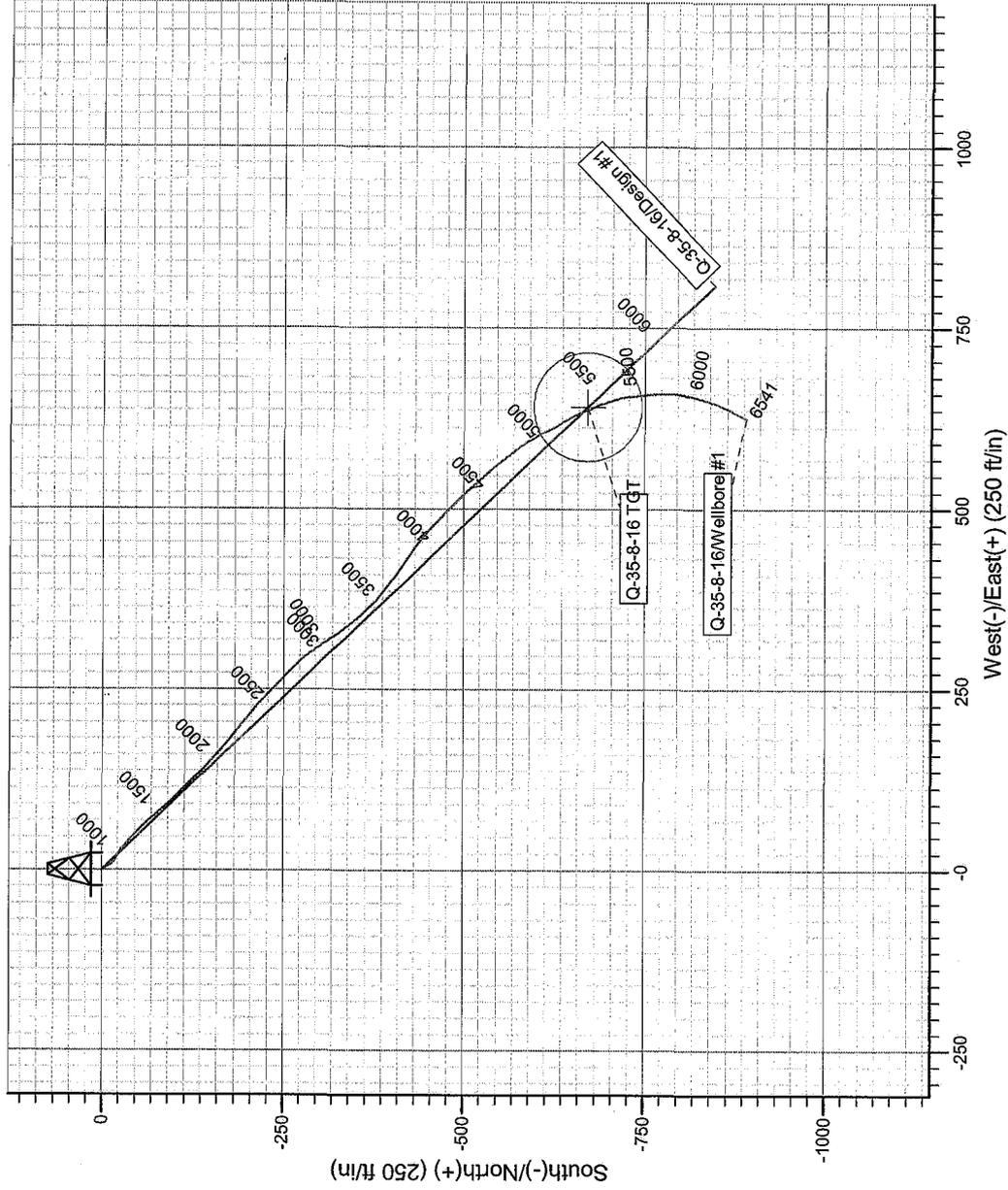
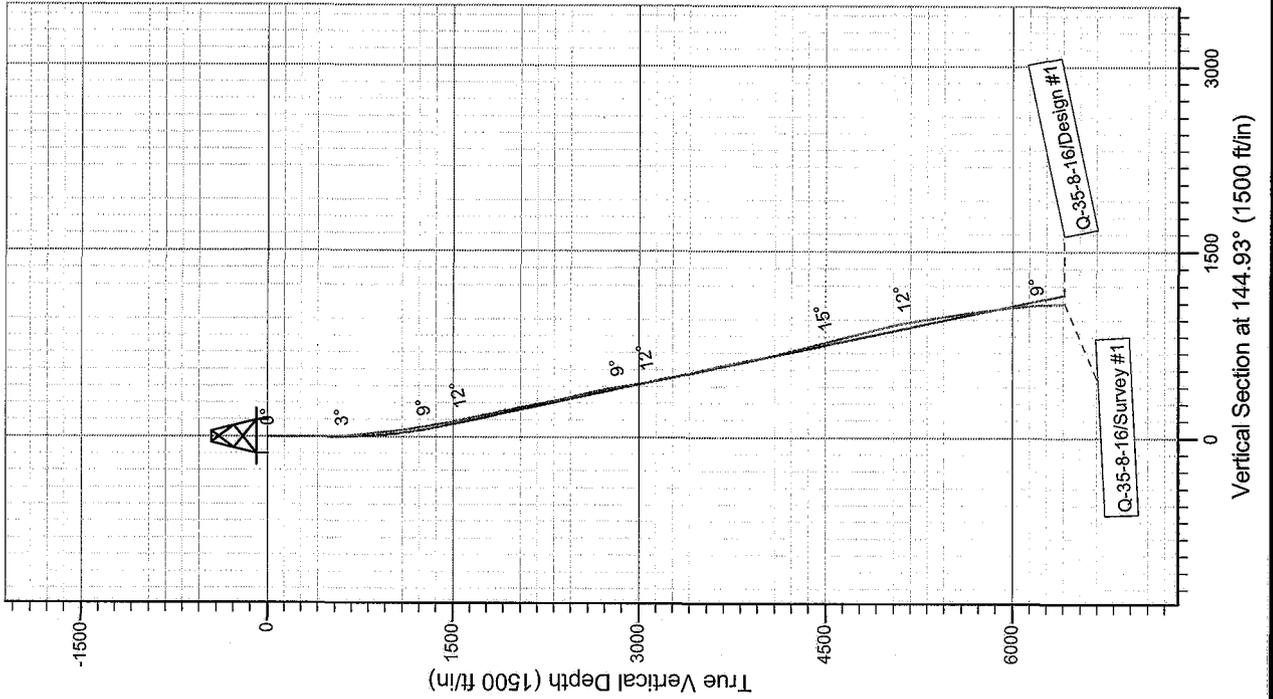


Project: USGS Myton SW (UT)  
 Site: SECTION 35  
 Well: Q-35-8-16  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Azimuths to True North  
 Magnetic North: 11.71°  
 Magnetic Field  
 Strength: 52613.4snT  
 Dip Angle: 65.90°  
 Date: 5/12/2008  
 Model: IGRF200510



FINAL SURVEY REPORT



Survey: Survey #1 (Q-35-8-16/Wellbore #1)

Created By: *Jim Hudson*

Date: 14:46, June 03 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY  
 ACTUAL FIELD DATA.

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 35**

**Q-35-8-16**

**Wellbore #1**

**Design: SURVEY**

## **Standard Survey Report**

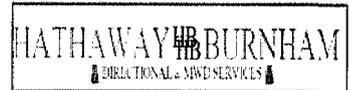
**26 June, 2008**

**HATHAWAY <sup>HB</sup> <sub>HB</sub> BURNHAM**  
DIRECTIONAL & MWD SERVICES



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** Q-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** SURVEY

**Local Co-ordinate Reference:** Well Q-35-8-16  
**TVD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**MD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**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		Using geodetic scale factor

<b>Site</b>	SECTION 35				
<b>Site Position:</b>		<b>Northing:</b>	7,198,099.76ft	<b>Latitude:</b>	40° 4' 19.740 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,034,036.30ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	Q-35-8-16, SURFACE IS 1821' N AND 764' E OF SWC OF SEC 35					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,198,099.75 ft	<b>Latitude:</b>	40° 4' 19.740 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,034,036.30 ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,603.0 ft	<b>Ground Level:</b>	5,591.0 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>
	IGRF200510	5/12/2008	11.71	65.90	52,610

<b>Design</b>	SURVEY				
<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	144.93	

<b>Survey Program</b>	Date 6/26/2008				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
415.0	6,541.0	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
415.0	0.10	157.70	415.0	-0.3	0.1	0.4	0.02	0.02	0.00
509.0	1.17	150.90	509.0	-1.2	0.6	1.4	1.14	1.14	-7.23
599.0	3.60	141.90	598.9	-4.3	2.8	5.1	2.72	2.70	-10.00
660.0	4.10	149.70	659.8	-7.7	5.1	9.2	1.19	0.82	12.79
721.0	5.30	145.10	720.6	-11.9	7.8	14.2	2.06	1.97	-7.54
813.0	6.30	121.40	812.1	-18.0	14.6	23.1	2.80	1.09	-25.76
907.0	6.50	121.50	905.5	-23.4	23.5	32.7	0.21	0.21	0.11
1,000.0	7.70	131.40	997.8	-30.3	32.7	43.6	1.84	1.29	10.65
1,094.0	8.00	130.70	1,090.9	-38.7	42.3	56.0	0.33	0.32	-0.74
1,188.0	8.70	134.30	1,183.9	-48.0	52.4	69.4	0.93	0.74	3.83
1,281.0	9.10	138.20	1,275.8	-58.4	62.3	83.6	0.78	0.43	4.19
1,375.0	9.40	138.60	1,368.6	-69.7	72.4	98.6	0.33	0.32	0.43



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** Q-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** SURVEY

**Local Co-ordinate Reference:** Well Q-35-8-16  
**TVD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**MD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**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)
1,469.0	10.60	140.20	1,461.2	-82.1	83.0	114.8	1.31	1.28	1.70
1,562.0	12.00	135.90	1,552.4	-95.6	95.2	132.9	1.76	1.51	-4.62
1,656.0	11.80	134.70	1,644.3	-109.4	108.8	152.0	0.34	-0.21	-1.28
1,750.0	11.60	135.80	1,736.4	-122.9	122.2	170.8	0.32	-0.21	1.17
1,844.0	13.60	132.40	1,828.1	-137.1	137.0	190.9	2.27	2.13	-3.62
1,937.0	12.80	132.40	1,918.7	-151.4	152.7	211.7	0.86	-0.86	0.00
2,031.0	11.70	131.40	2,010.5	-164.8	167.5	231.1	1.19	-1.17	-1.06
2,125.0	12.30	127.50	2,102.5	-177.2	182.6	249.9	1.07	0.64	-4.15
2,218.0	10.90	128.10	2,193.6	-188.6	197.4	267.8	1.51	-1.51	0.65
2,312.0	12.90	129.40	2,285.5	-200.8	212.5	286.4	2.15	2.13	1.38
2,406.0	11.20	131.20	2,377.5	-213.4	227.5	305.4	1.85	-1.81	1.91
2,499.0	13.80	133.60	2,468.3	-227.0	242.3	325.0	2.85	2.80	2.58
2,593.0	14.40	134.00	2,559.4	-242.9	258.8	347.5	0.65	0.64	0.43
2,687.0	12.30	134.70	2,650.9	-258.1	274.3	368.8	2.24	-2.23	0.74
2,780.0	10.90	136.40	2,742.0	-271.4	287.4	387.3	1.55	-1.51	1.83
2,874.0	8.60	142.50	2,834.6	-283.4	297.9	403.1	2.68	-2.45	6.49
2,968.0	8.40	147.50	2,927.6	-294.8	305.8	417.0	0.81	-0.21	5.32
3,061.0	11.10	145.60	3,019.2	-307.9	314.5	432.7	2.92	2.90	-2.04
3,155.0	13.10	142.30	3,111.1	-323.8	326.2	452.4	2.25	2.13	-3.51
3,249.0	11.60	143.80	3,203.0	-339.9	338.3	472.5	1.63	-1.60	1.60
3,342.0	12.00	137.20	3,294.0	-354.5	350.3	491.4	1.51	0.43	-7.10
3,436.0	12.40	135.90	3,385.9	-368.9	364.0	511.1	0.52	0.43	-1.38
3,530.0	14.40	128.70	3,477.3	-383.5	380.2	532.3	2.77	2.13	-7.66
3,623.0	13.70	126.40	3,567.5	-397.2	398.0	553.8	0.96	-0.75	-2.47
3,717.0	12.20	124.90	3,659.1	-409.5	415.2	573.7	1.64	-1.60	-1.60
3,811.0	13.00	126.30	3,750.9	-421.5	431.8	593.1	0.91	0.85	1.49
3,905.0	11.80	126.30	3,842.7	-433.4	448.1	612.2	1.28	-1.28	0.00
3,998.0	11.90	130.40	3,933.7	-445.3	463.1	630.5	0.91	0.11	4.41
4,092.0	12.30	133.90	4,025.6	-458.5	477.6	649.7	0.89	0.43	3.72
4,185.0	14.20	133.90	4,116.1	-473.3	493.0	670.6	2.04	2.04	0.00
4,279.0	13.90	133.20	4,207.3	-489.0	509.5	693.0	0.37	-0.32	-0.74
4,373.0	14.50	138.50	4,298.5	-505.5	525.6	715.7	1.52	0.64	5.64
4,467.0	14.20	137.80	4,389.5	-522.9	541.1	738.9	0.37	-0.32	-0.74
4,561.0	14.90	139.40	4,480.5	-540.6	556.7	762.3	0.86	0.74	1.70
4,654.0	15.30	142.10	4,570.3	-559.4	572.0	786.5	0.87	0.43	2.90
4,748.0	15.00	145.10	4,661.0	-579.1	586.6	811.0	0.89	-0.32	3.19
4,841.0	14.20	148.50	4,751.0	-598.7	599.5	834.5	1.26	-0.86	3.66
4,935.0	15.10	152.40	4,842.0	-619.4	611.2	858.1	1.42	0.96	4.15
5,028.0	13.40	151.80	4,932.1	-639.6	621.9	880.8	1.83	-1.83	-0.65
5,122.0	12.50	154.20	5,023.7	-658.4	631.4	901.7	1.12	-0.96	2.55
5,216.0	12.20	158.10	5,115.5	-676.8	639.6	921.4	0.94	-0.32	4.15
5,309.0	10.90	159.80	5,206.7	-694.1	646.3	939.5	1.44	-1.40	1.83
5,403.0	10.40	163.40	5,299.0	-710.6	651.8	956.1	0.89	-0.53	3.83
5,496.0	9.50	171.20	5,390.6	-726.2	655.3	970.9	1.74	-0.97	8.39
5,590.0	9.30	175.10	5,483.4	-741.5	657.2	984.5	0.71	-0.21	4.15
5,684.0	9.70	175.00	5,576.1	-756.9	658.5	997.9	0.43	0.43	-0.11
5,777.0	10.00	177.10	5,667.7	-772.8	659.6	1,011.5	0.50	0.32	2.26
5,871.0	10.60	186.10	5,760.2	-789.6	659.1	1,024.9	1.82	0.64	9.57
5,965.0	10.40	188.40	5,852.6	-806.5	656.9	1,037.6	0.49	-0.21	2.45
6,058.0	9.90	195.30	5,944.2	-822.6	653.6	1,048.8	1.41	-0.54	7.42
6,152.0	9.40	198.20	6,036.9	-837.6	649.1	1,058.5	0.74	-0.53	3.09
6,245.0	9.20	201.20	6,128.6	-851.8	644.0	1,067.2	0.56	-0.22	3.23
6,339.0	8.80	205.70	6,221.5	-865.3	638.2	1,074.9	0.86	-0.43	4.79
6,433.0	8.00	207.80	6,314.5	-877.5	632.0	1,081.4	0.91	-0.85	2.23



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** Q-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** SURVEY

**Local Co-ordinate Reference:** Well Q-35-8-16  
**TVD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**MD Reference:** Q-35-8-16 @ 5603.0ft (KB ELEVATION)  
**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)
6,486.0	7.50	211.50	6,367.0	-883.8	628.5	1,084.4	1.33	-0.94	6.98
6,541.0	7.50	211.50	6,421.5	-889.9	624.7	1,087.3	0.00	0.00	0.00

PROJECTION TO BIT

### Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Q-35-8-16 TGT	0.00	0.00	5,300.0	-670.9	640.1	7,197,439.06	2,034,686.81	40° 4' 13.110 N	110° 5' 27.876 W

- hit/miss target  
 - Shape  
 - actual wellpath misses by 40.9ft at 5396.3ft MD (5292.5 TVD, -709.5 N, 651.4 E)  
 - Circle (radius 75.0)

### Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
6,541.0	6,421.5	-889.9	624.7	PROJECTION TO BIT

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