

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-67170
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 NE Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte NE Federal Q-25-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34064
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1872' FSL 669' FWL At proposed prod. zone 1320' FSL 1420' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 10.5 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1320' f/ise, 1320' f/unit	16. No. of Acres in lease 959.869	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1331'	19. Proposed Depth 6480'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5443' GL	22. Approximate date work will start* 4th Quarter 2008	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:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>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).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|--|---|

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/22/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 09-09-08
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

Surf

578942X  
4437588Y  
40.086764  
-110.071038

BHU

579173X  
4437423Y  
40.085260  
-110.071357

Federal Approval of this  
Action is Necessary

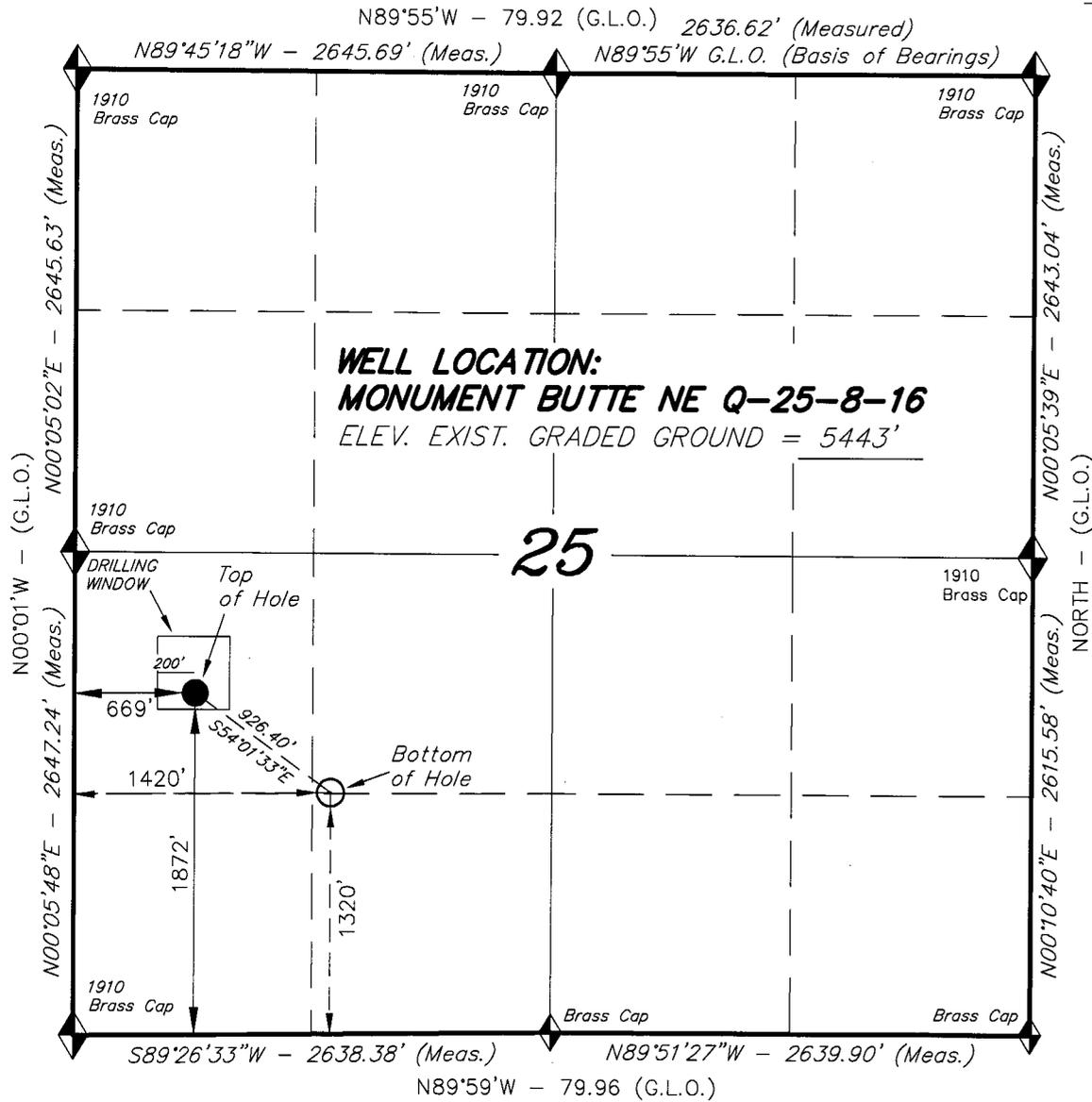
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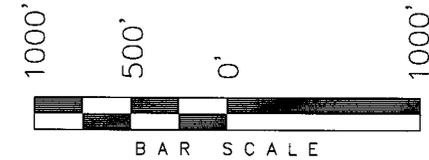
DIV. OF OIL, GAS & MINING

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

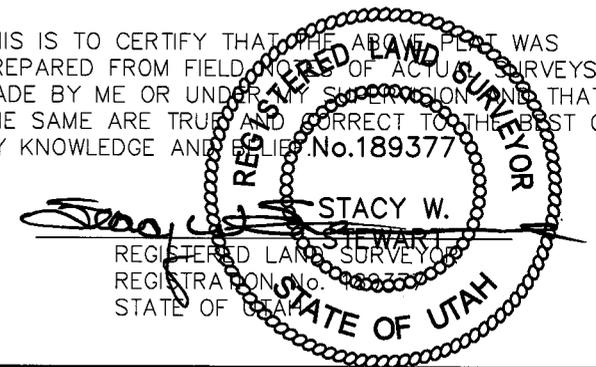
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, MONUMENT BUTTE NE Q-25-8-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 25, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**MONUMENT BUTTE NE Q-25-8-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 05' 12.44"  
LONGITUDE = 110° 04' 29.35"

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 05-01-08	SURVEYED BY: T.H.
DATE DRAWN: 05-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE NE FEDERAL Q-25-8-16  
AT SURFACE: NW/SW SECTION 25, 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' – 1755'
Green River	1755'
Wasatch	6480'
3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**  
Green River Formation 1755' – 6480' - 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  
MONUMENT BUTTE NE FEDERAL Q-25-8-16  
AT SURFACE: NW/SW SECTION 25, 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 Monument Butte NE Federal Q-25-8-16 located in the NW 1/4 SW 1/4 Section 25, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 7.5 miles  $\pm$  to it's junction with an existing dirt road to the west; proceed westerly - 1.4 miles  $\pm$  to it's junction with an existing road to the northwest; proceed northwesterly - 0.2 miles  $\pm$  to it's junction with the beginning of the access road to the existing Monument Butte Federal 12-25-8-16 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 Monument Butte Federal 12-25-8-16 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 Monument Butte Federal 12-25-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Monument Butte NE Federal Q-25-8-16. 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 Monument Butte NE Federal Q-25-8-16 will be drilled off of the existing Monument Butte Federal 12-25-8-16 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**

Newfield Production Company requests 970' of disturbed area be granted in Lease UTU-67170 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to **Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-167, 8/5/08. Paleontological Resource Survey prepared by, Wade E. Miller, 6/25/08. See attached report cover pages, **Exhibit "D"**.

**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), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

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

**Cactus Survey:** A cactus survey will be required prior to construction of the proposed water injection line.

**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)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

**Details of the On-Site Inspection**

The proposed Monument Butte NE Federal Q-25-8-16 was on-sited on 6/11/08. The following were present; Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

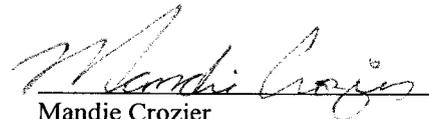
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-25-8-16 NW/SW Section 25, Township 8S, Range 16E: Lease UTU-67170 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, Federal Bond #WYB000493.

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

8/22/08

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
 Site: Monument Butte NE  
 Well: Monument Butte NE Q-25-8-16 Re-Drill  
 Wellbore: OH  
 Design: Plan #1

Newfield Exploration Co.

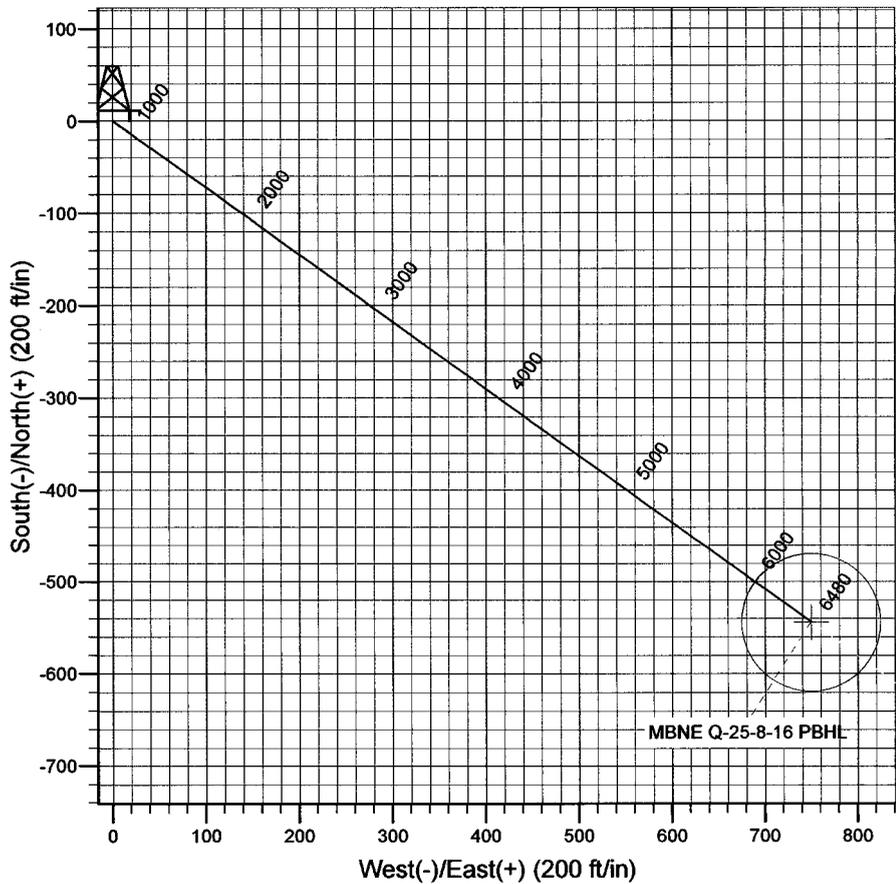
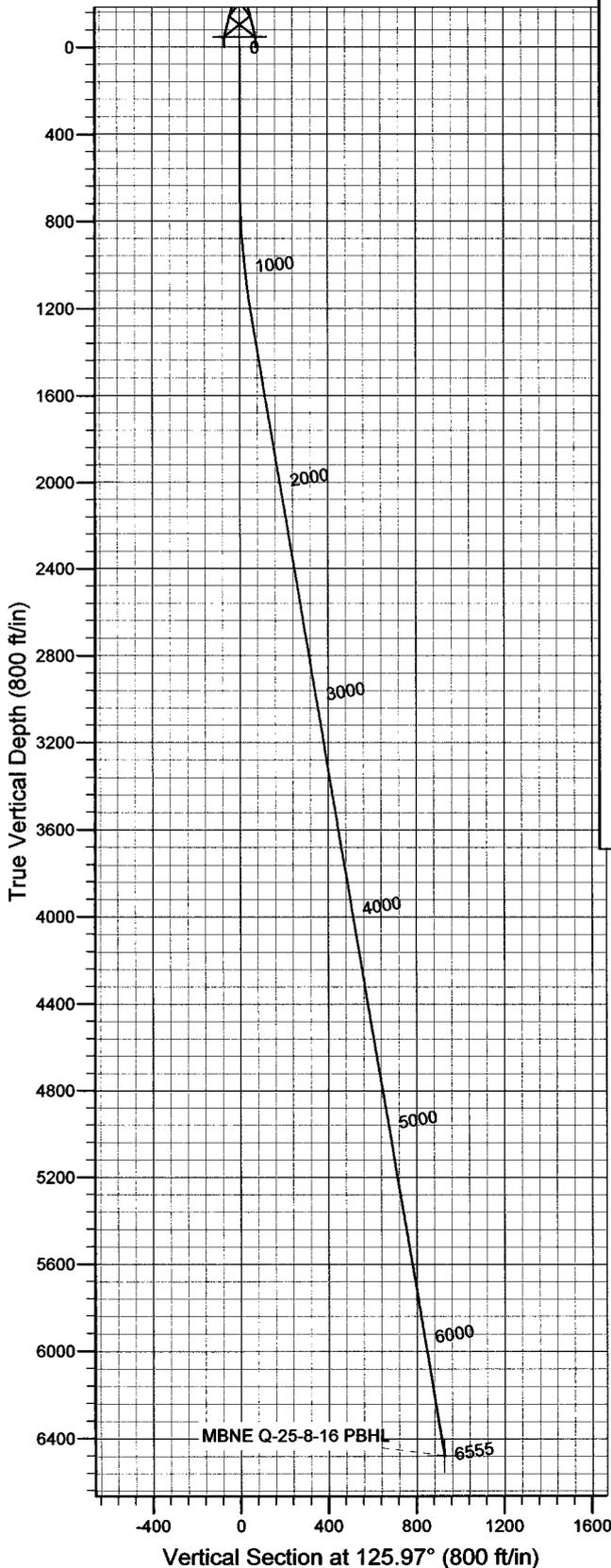


Azimuths to True North  
 Magnetic North: 11.69°

Magnetic Field  
 Strength: 52610.5snT  
 Dip Angle: 65.91°  
 Date: 2008-06-26  
 Model: IGRF2005-10

WELL DETAILS: Monument Butte NE Q-25-8-16 Re-Drill

GL 5443' & RKB 12' @ 5455.00ft 5443.00  
 +N/-S 0.00 +E/-W 0.00 Northing 7203527.97 Easting 2039144.28 Latitude 40° 5' 12.440 N Longitude 110° 4' 29.350 W



Plan: Plan #1 (Monument Butte NE Q-25-8-16 Re-Drill)

Created By: Julie Cruse Date: 2008-06-26

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone  
 Location:  
 System Datum: Mean Sea Level  
 Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
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	
1230.18	9.45	125.97	1227.32	-30.46	41.98	1.50	125.97	51.87	
6555.16	9.45	125.97	6480.00	-544.13	749.76	0.00	0.00	926.40	MBNE Q-25-8-16 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Monument Butte NE**

**Monument Butte NE Q-25-8-16 Re-Drill**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**26 June, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Monument Butte NE  
**Well:** Monument Butte NE Q-25-8-16 Re-Drill  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte NE Q-25-8-16 Re-Drill  
**TVD Reference:** GL 5443' & RKB 12' @ 5455.00ft  
**MD Reference:** GL 5443' & RKB 12' @ 5455.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<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 NE				
<b>Site Position:</b>		<b>Northing:</b>	7,203,654.58 ft	<b>Latitude:</b>	40° 5' 13.270 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,041,809.86 ft	<b>Longitude:</b>	110° 3' 55.030 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.92 °

<b>Well</b>	Monument Butte NE Q-25-8-16 Re-Drill, 1872' FSL 669' FWI Sec 25 T8S R16E					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,203,527.97 ft	<b>Latitude:</b>	40° 5' 12.440 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,039,144.28 ft	<b>Longitude:</b>	110° 4' 29.350 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,443.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-06-26	11.69	65.91	52,611

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	125.97	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,230.18	9.45	125.97	1,227.32	-30.46	41.98	1.50	1.50	0.00	125.97	
6,555.16	9.45	125.97	6,480.00	-544.13	749.76	0.00	0.00	0.00	0.00	0.00 MBNE Q-25-8-16 PBI

# Scientific Drilling

## Planning Report

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**MD Reference:** GL 5443' & RKB 12' @ 5455.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	125.97	699.99	-0.77	1.06	1.31	1.50	1.50	0.00
800.00	3.00	125.97	799.91	-3.07	4.24	5.23	1.50	1.50	0.00
900.00	4.50	125.97	899.69	-6.92	9.53	11.77	1.50	1.50	0.00
1,000.00	6.00	125.97	999.27	-12.29	16.93	20.92	1.50	1.50	0.00
1,100.00	7.50	125.97	1,098.57	-19.19	26.45	32.68	1.50	1.50	0.00
1,200.00	9.00	125.97	1,197.54	-27.62	38.06	47.03	1.50	1.50	0.00
1,230.18	9.45	125.97	1,227.32	-30.46	41.98	51.87	1.50	1.50	0.00
1,300.00	9.45	125.97	1,296.20	-37.20	51.26	63.33	0.00	0.00	0.00
1,400.00	9.45	125.97	1,394.84	-46.85	64.55	79.76	0.00	0.00	0.00
1,500.00	9.45	125.97	1,493.48	-56.49	77.84	96.18	0.00	0.00	0.00
1,600.00	9.45	125.97	1,592.12	-66.14	91.13	112.60	0.00	0.00	0.00
1,700.00	9.45	125.97	1,690.77	-75.78	104.42	129.03	0.00	0.00	0.00
1,800.00	9.45	125.97	1,789.41	-85.43	117.72	145.45	0.00	0.00	0.00
1,900.00	9.45	125.97	1,888.05	-95.08	131.01	161.87	0.00	0.00	0.00
2,000.00	9.45	125.97	1,986.69	-104.72	144.30	178.30	0.00	0.00	0.00
2,100.00	9.45	125.97	2,085.33	-114.37	157.59	194.72	0.00	0.00	0.00
2,200.00	9.45	125.97	2,183.98	-124.02	170.88	211.14	0.00	0.00	0.00
2,300.00	9.45	125.97	2,282.62	-133.66	184.17	227.57	0.00	0.00	0.00
2,400.00	9.45	125.97	2,381.26	-143.31	197.47	243.99	0.00	0.00	0.00
2,500.00	9.45	125.97	2,479.90	-152.96	210.76	260.41	0.00	0.00	0.00
2,600.00	9.45	125.97	2,578.55	-162.60	224.05	276.83	0.00	0.00	0.00
2,700.00	9.45	125.97	2,677.19	-172.25	237.34	293.26	0.00	0.00	0.00
2,800.00	9.45	125.97	2,775.83	-181.89	250.63	309.68	0.00	0.00	0.00
2,900.00	9.45	125.97	2,874.47	-191.54	263.92	326.10	0.00	0.00	0.00
3,000.00	9.45	125.97	2,973.11	-201.19	277.22	342.53	0.00	0.00	0.00
3,100.00	9.45	125.97	3,071.76	-210.83	290.51	358.95	0.00	0.00	0.00
3,200.00	9.45	125.97	3,170.40	-220.48	303.80	375.37	0.00	0.00	0.00
3,300.00	9.45	125.97	3,269.04	-230.13	317.09	391.80	0.00	0.00	0.00
3,400.00	9.45	125.97	3,367.68	-239.77	330.38	408.22	0.00	0.00	0.00
3,500.00	9.45	125.97	3,466.32	-249.42	343.67	424.64	0.00	0.00	0.00
3,600.00	9.45	125.97	3,564.97	-259.07	356.97	441.07	0.00	0.00	0.00
3,700.00	9.45	125.97	3,663.61	-268.71	370.26	457.49	0.00	0.00	0.00
3,800.00	9.45	125.97	3,762.25	-278.36	383.55	473.91	0.00	0.00	0.00
3,900.00	9.45	125.97	3,860.89	-288.01	396.84	490.34	0.00	0.00	0.00
4,000.00	9.45	125.97	3,959.54	-297.65	410.13	506.76	0.00	0.00	0.00
4,100.00	9.45	125.97	4,058.18	-307.30	423.43	523.18	0.00	0.00	0.00
4,200.00	9.45	125.97	4,156.82	-316.94	436.72	539.61	0.00	0.00	0.00
4,300.00	9.45	125.97	4,255.46	-326.59	450.01	556.03	0.00	0.00	0.00
4,400.00	9.45	125.97	4,354.10	-336.24	463.30	572.45	0.00	0.00	0.00
4,500.00	9.45	125.97	4,452.75	-345.88	476.59	588.88	0.00	0.00	0.00
4,600.00	9.45	125.97	4,551.39	-355.53	489.88	605.30	0.00	0.00	0.00
4,700.00	9.45	125.97	4,650.03	-365.18	503.18	621.72	0.00	0.00	0.00
4,800.00	9.45	125.97	4,748.67	-374.82	516.47	638.15	0.00	0.00	0.00
4,900.00	9.45	125.97	4,847.32	-384.47	529.76	654.57	0.00	0.00	0.00
5,000.00	9.45	125.97	4,945.96	-394.12	543.05	670.99	0.00	0.00	0.00
5,100.00	9.45	125.97	5,044.60	-403.76	556.34	687.42	0.00	0.00	0.00
5,200.00	9.45	125.97	5,143.24	-413.41	569.63	703.84	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Monument Butte NE  
**Well:** Monument Butte NE Q-25-8-16 Re-Drill  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte NE Q-25-8-16 Re-Drill  
**TVD Reference:** GL 5443' & RKB 12' @ 5455.00ft  
**MD Reference:** GL 5443' & RKB 12' @ 5455.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.45	125.97	5,241.88	-423.05	582.93	720.26	0.00	0.00	0.00
5,400.00	9.45	125.97	5,340.53	-432.70	596.22	736.69	0.00	0.00	0.00
5,500.00	9.45	125.97	5,439.17	-442.35	609.51	753.11	0.00	0.00	0.00
5,600.00	9.45	125.97	5,537.81	-451.99	622.80	769.53	0.00	0.00	0.00
5,700.00	9.45	125.97	5,636.45	-461.64	636.09	785.96	0.00	0.00	0.00
5,800.00	9.45	125.97	5,735.09	-471.29	649.38	802.38	0.00	0.00	0.00
5,900.00	9.45	125.97	5,833.74	-480.93	662.68	818.80	0.00	0.00	0.00
6,000.00	9.45	125.97	5,932.38	-490.58	675.97	835.22	0.00	0.00	0.00
6,100.00	9.45	125.97	6,031.02	-500.23	689.26	851.65	0.00	0.00	0.00
6,200.00	9.45	125.97	6,129.66	-509.87	702.55	868.07	0.00	0.00	0.00
6,300.00	9.45	125.97	6,228.31	-519.52	715.84	884.49	0.00	0.00	0.00
6,400.00	9.45	125.97	6,326.95	-529.16	729.14	900.92	0.00	0.00	0.00
6,500.00	9.45	125.97	6,425.59	-538.81	742.43	917.34	0.00	0.00	0.00
6,555.16	9.45	125.97	6,480.00	-544.13	749.76	926.40	0.00	0.00	0.00

### Targets

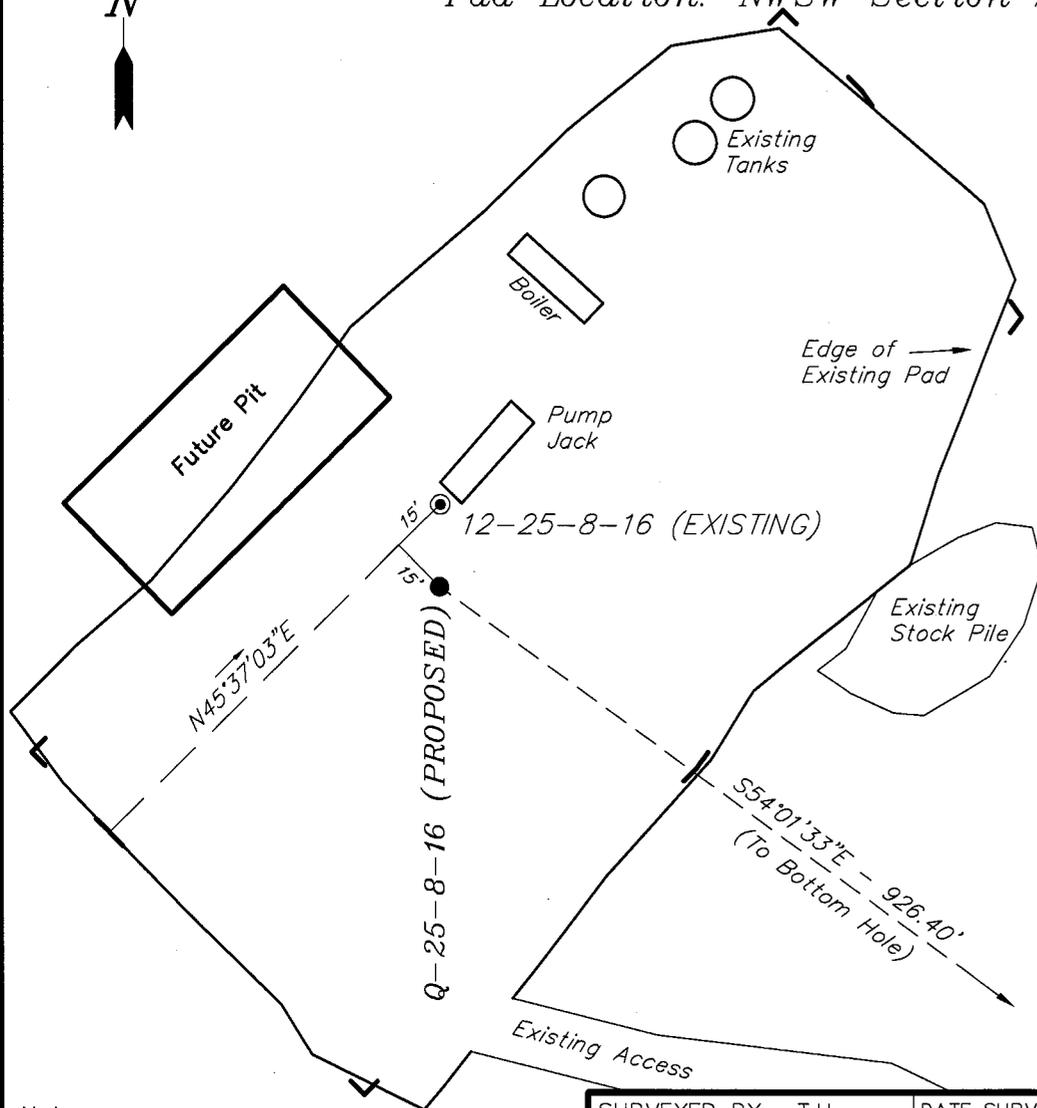
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
MBNE Q-25-8-16 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,480.00	-544.13	749.76	7,202,995.85	2,039,902.62	40° 5' 7.062 N	110° 4' 19.703 W

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

MONUMENT BUTTE NE Q-25-8-16 (Proposed Well)  
 MONUMENT BUTTE NE 12-25-8-16 (Existing Well)

Pad Location: NWSW Section 25, T8S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

Q-25-8-16 (PROPOSED)  
 1872' FSL & 669' FWL

### BOTTOM HOLE FOOTAGES

Q-25-8-16 (PROPOSED)  
 1320' FSL & 1420' FWL

### RELATIVE COORDINATES

From top hole to bottom hole

WELL	NORTH	EAST
Q-25-8-16	-544'	750'

### LATITUDE & LONGITUDE

Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-25-8-16	40° 05' 12.44"	110° 04' 29.35"
12-25-8-16	40° 05' 12.65"	110° 04' 29.35"

**Note:**  
 Bearings are based  
 on GLO Information.

SURVEYED BY: T.H.	DATE SURVEYED: 05-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

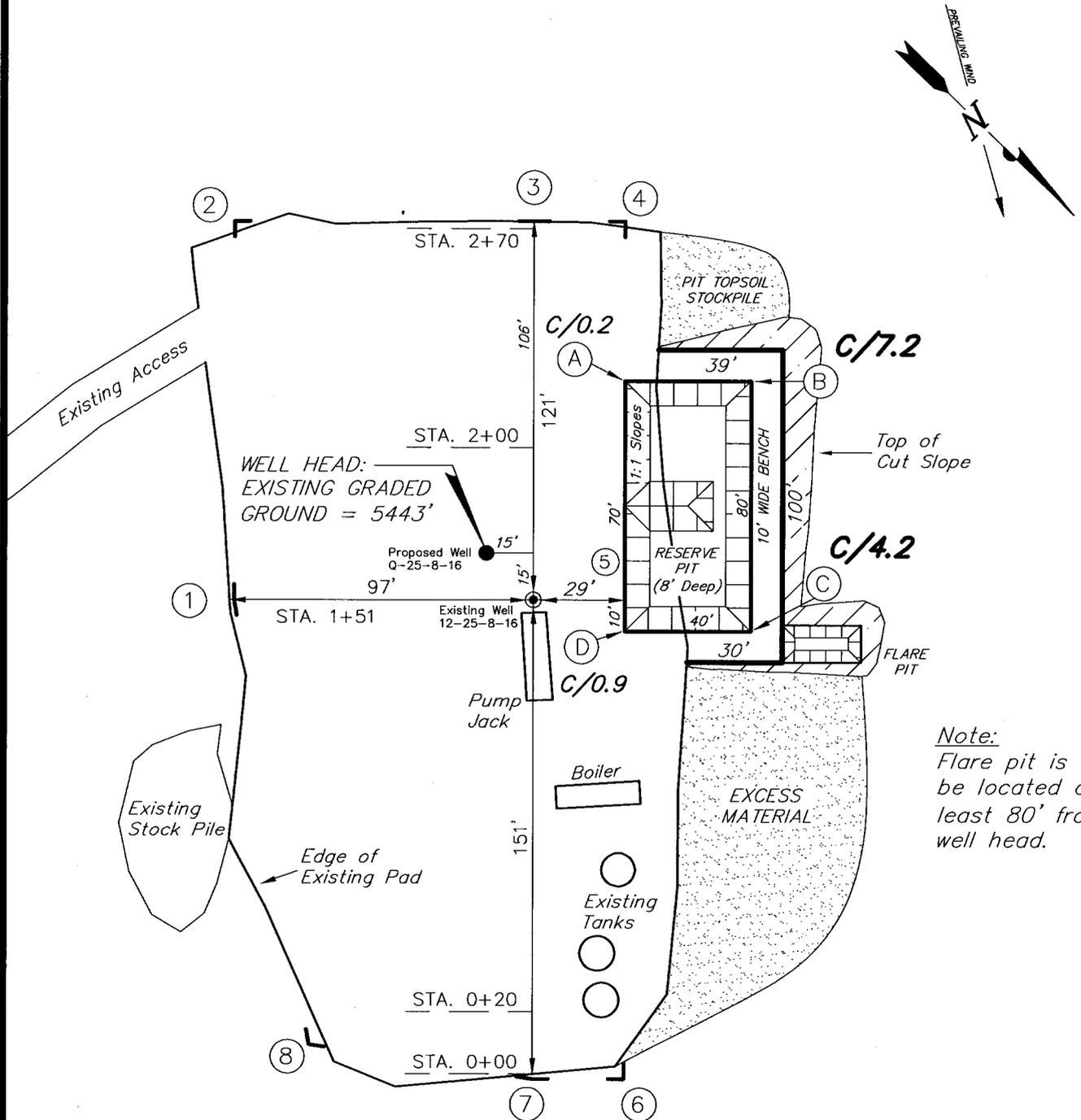
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

**MONUMENT BUTTE NE Q-25-8-16 (Proposed Well)**

**MONUMENT BUTTE NE 12-25-8-16 (Existing Well)**

Pad Location: NWSW Section 25, T8S, R16E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 05-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

(435) 781-2501

**Tri State**  
Land Surveying, Inc.

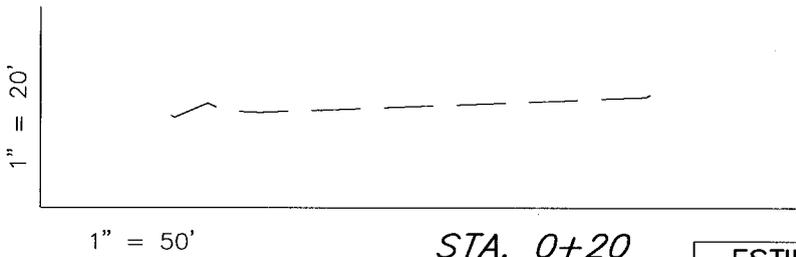
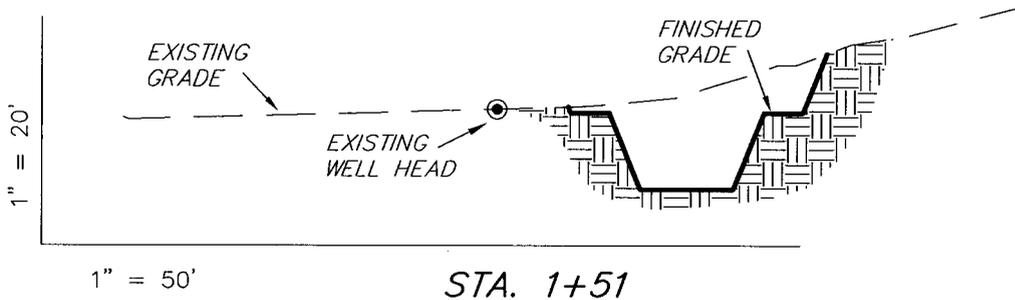
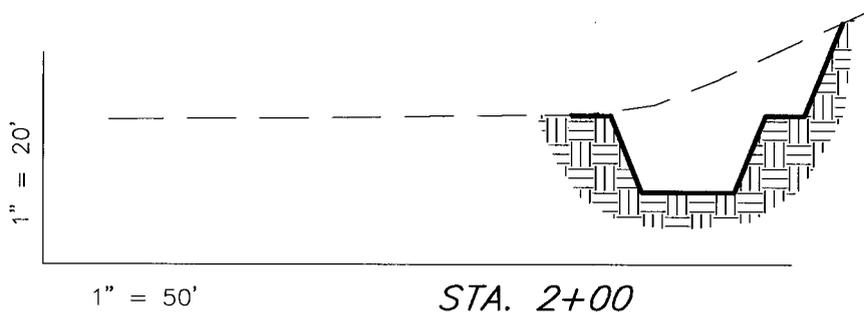
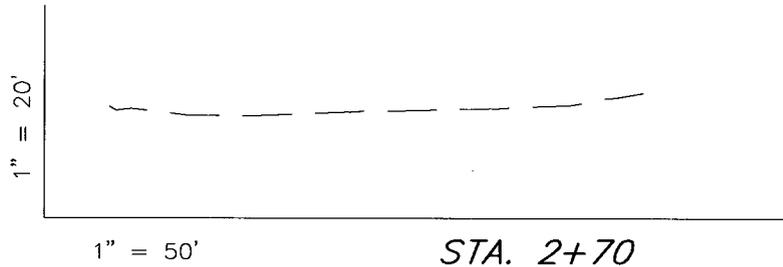
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEW FIELD PRODUCTION COMPANY

## CROSS SECTIONS

**MONUMENT BUTTE NE Q-25-8-16 (Proposed Well)**

**MONUMENT BUTTE NE 12-25-8-16 (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	880	0	Topsoil is not included in Pad Cut	880
PIT	640	0		640
<b>TOTALS</b>	<b>1,520</b>	<b>0</b>	<b>150</b>	<b>1,520</b>

SURVEYED BY: T.H.	DATE SURVEYED: 05-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

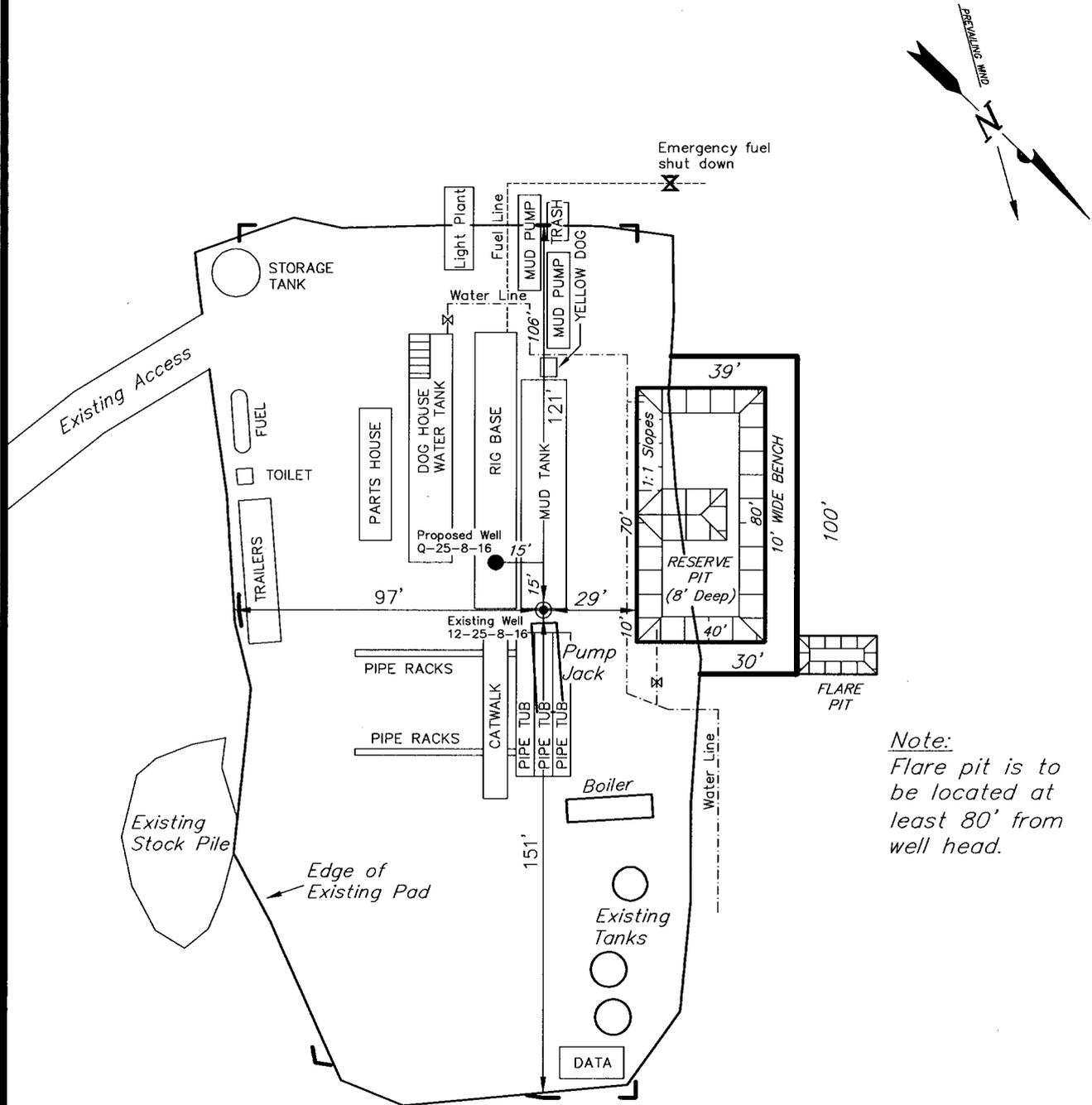
*Tri State*  
 Land Surveying, Inc.

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

MONUMENT BUTTE NE Q-25-8-16 (Proposed Well)  
 MONUMENT BUTTE NE 12-25-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 05-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Comp y Proposed Site Facility Diagram

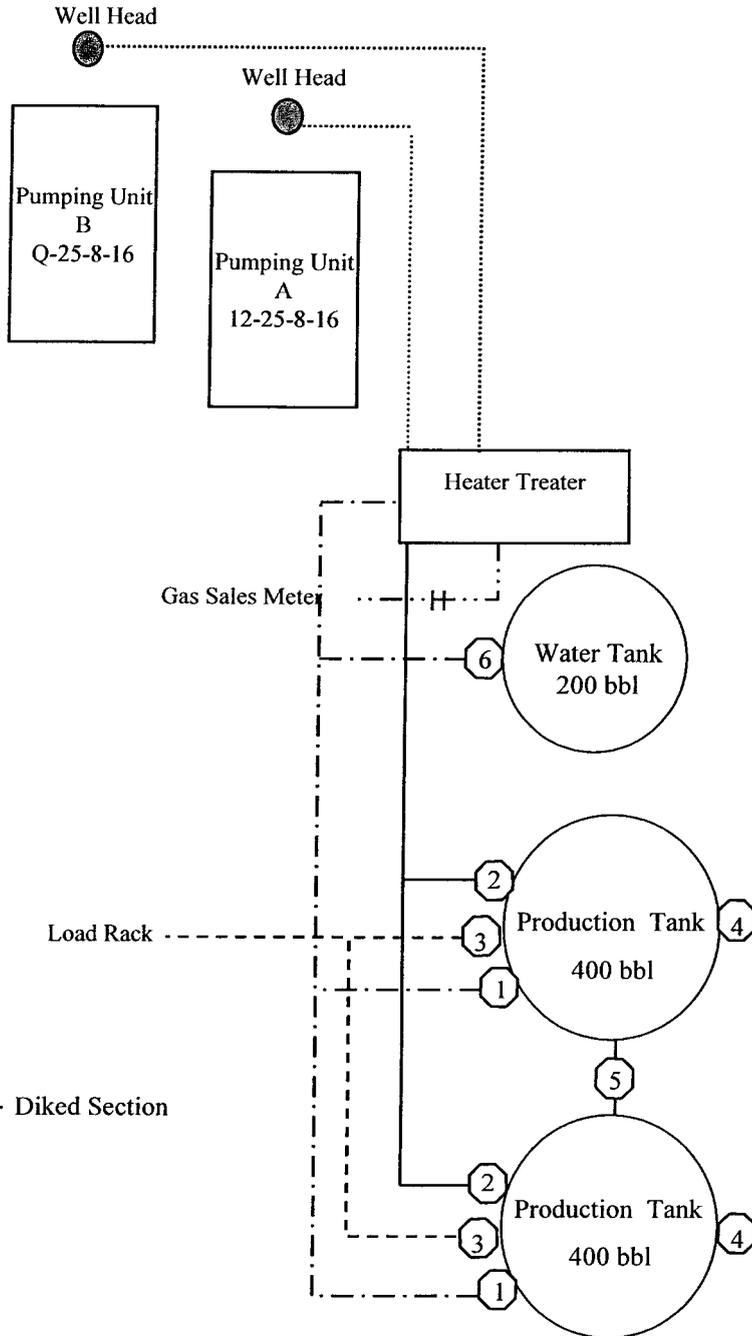
Monument Butte NE Federal Q-25-8-16

From the 12-25-8-16 Location

NW/SW Sec. 25 T8S, R16E

Duchesne County, Utah

UTU-67170



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:

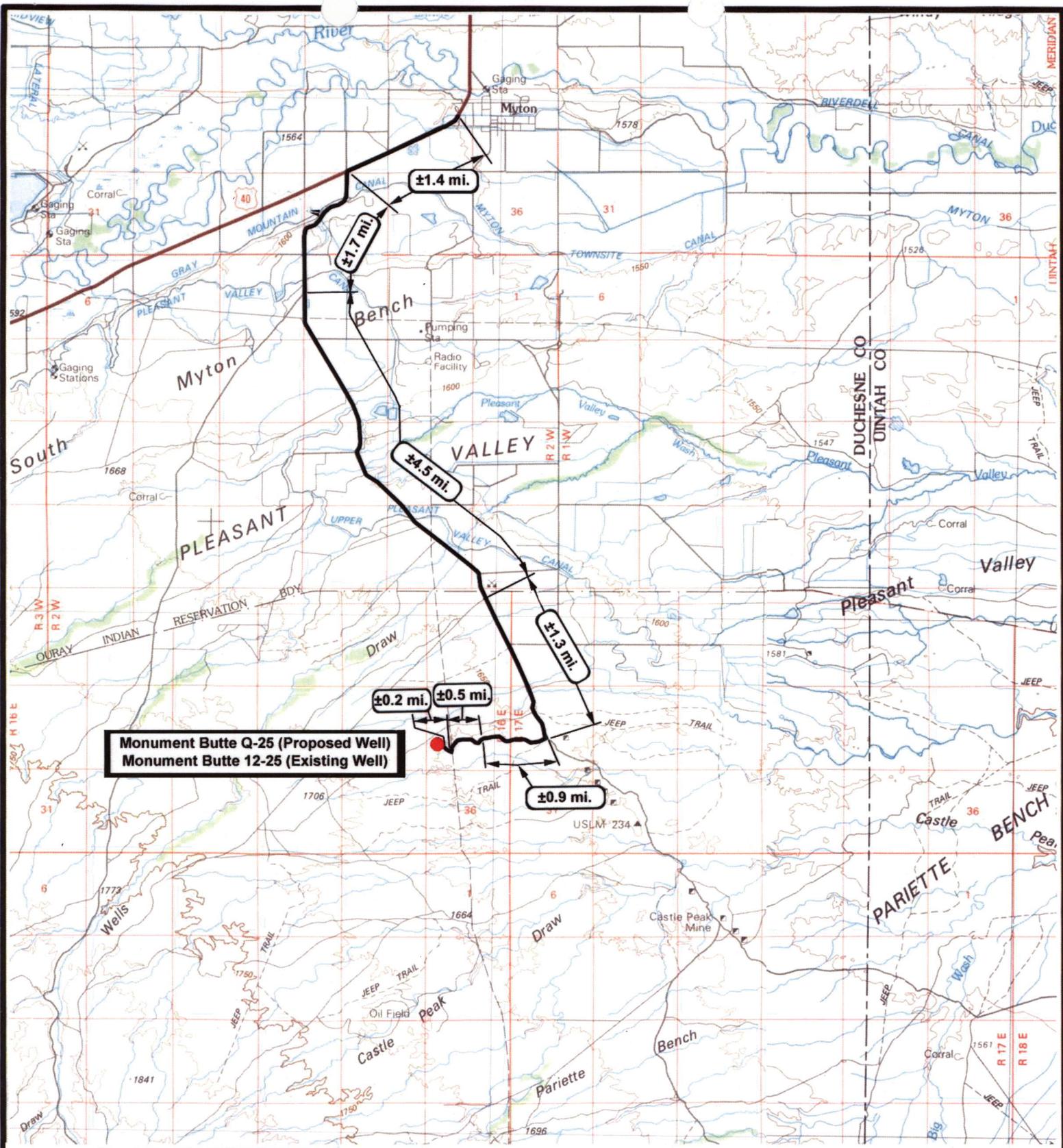
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

### Draining Phase:

- 1) Valves 1 and 6 open

### Legend

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



**Monument Butte Q-25 (Proposed Well)**  
**Monument Butte 12-25 (Existing Well)**

**NEWFIELD**  
Exploration Company

**Monument Butte Q-25-8-16 (Proposed Well)**  
**Monument Butte 12-25-8-16 (Existing Well)**  
 Pad Location NWSW SEC. 25, T8S, R16E, S.L.B.&M.



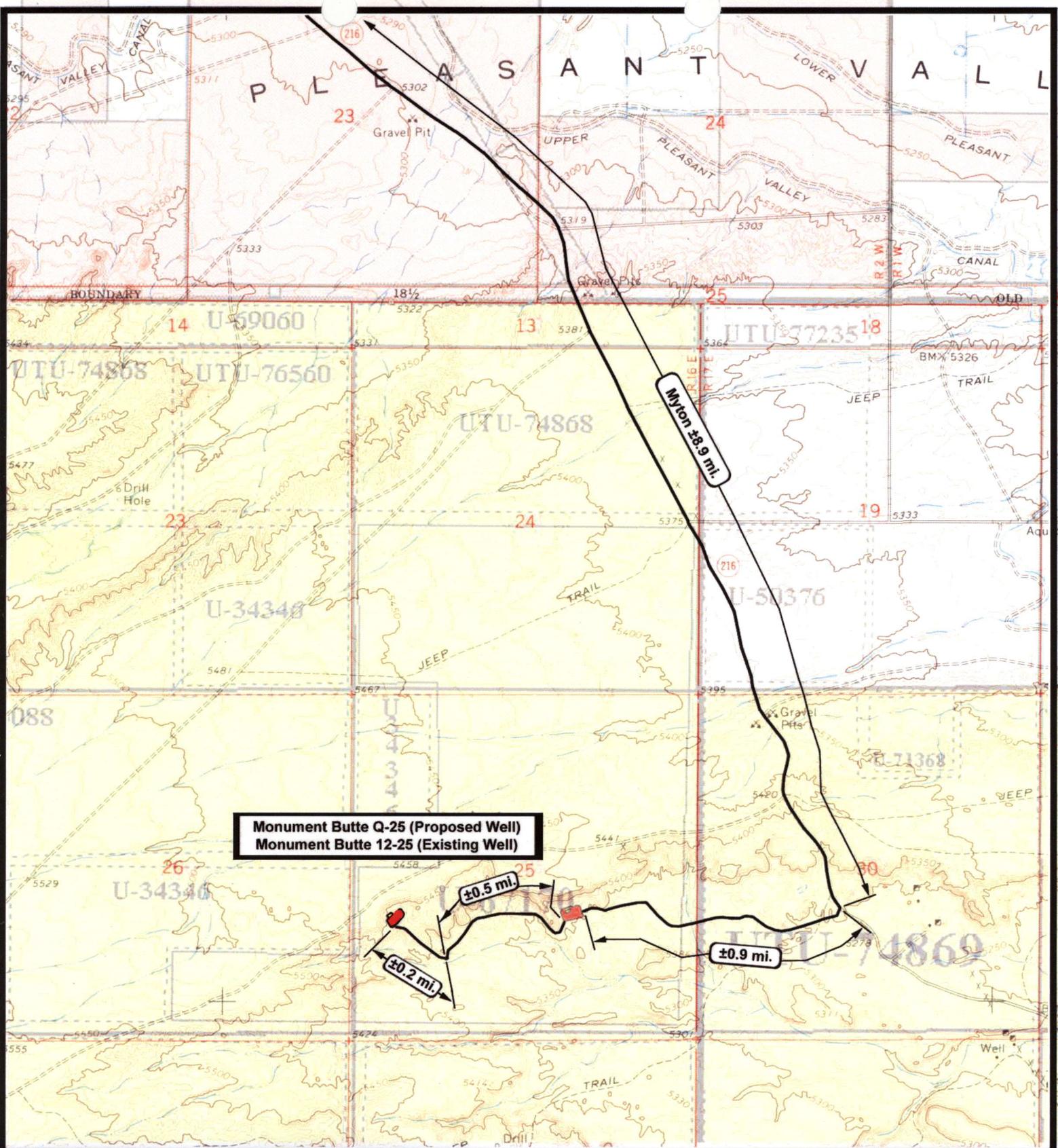
**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000  
 DRAWN BY: nc  
 DATE: 05-21-2008

**Legend**

— Existing Road

TOPOGRAPHIC MAP  
**"A"**



**Monument Butte Q-25 (Proposed Well)**  
**Monument Butte 12-25 (Existing Well)**



**NEWFIELD**  
Exploration Company

**Monument Butte Q-25-8-16 (Proposed Well)**  
**Monument Butte 12-25-8-16 (Existing Well)**  
 Pad Location NWSW SEC. 25, T8S, R16E, S.L.B.&M.



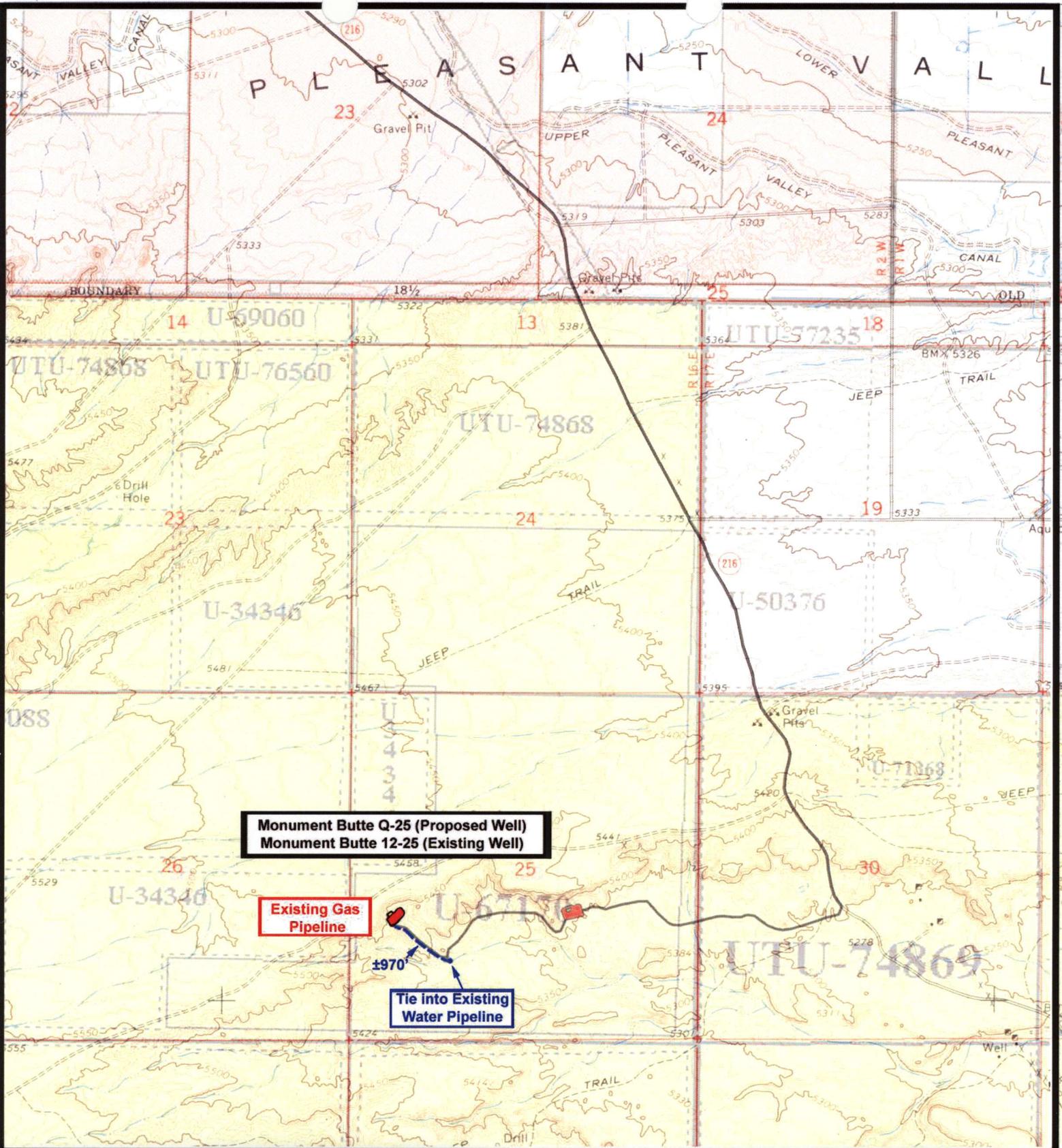
**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 05-21-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP  
**"B"**



**Monument Butte Q-25 (Proposed Well)**  
**Monument Butte 12-25 (Existing Well)**

**Existing Gas Pipeline**

**Tie into Existing Water Pipeline**

1970'

**NEWFIELD**  
Exploration Company

**Monument Butte Q-25-8-16 (Proposed Well)**  
**Monument Butte 12-25-8-16 (Existing Well)**  
 Pad Location NWSW SEC. 25, T8S, R16E, S.L.B.&M.



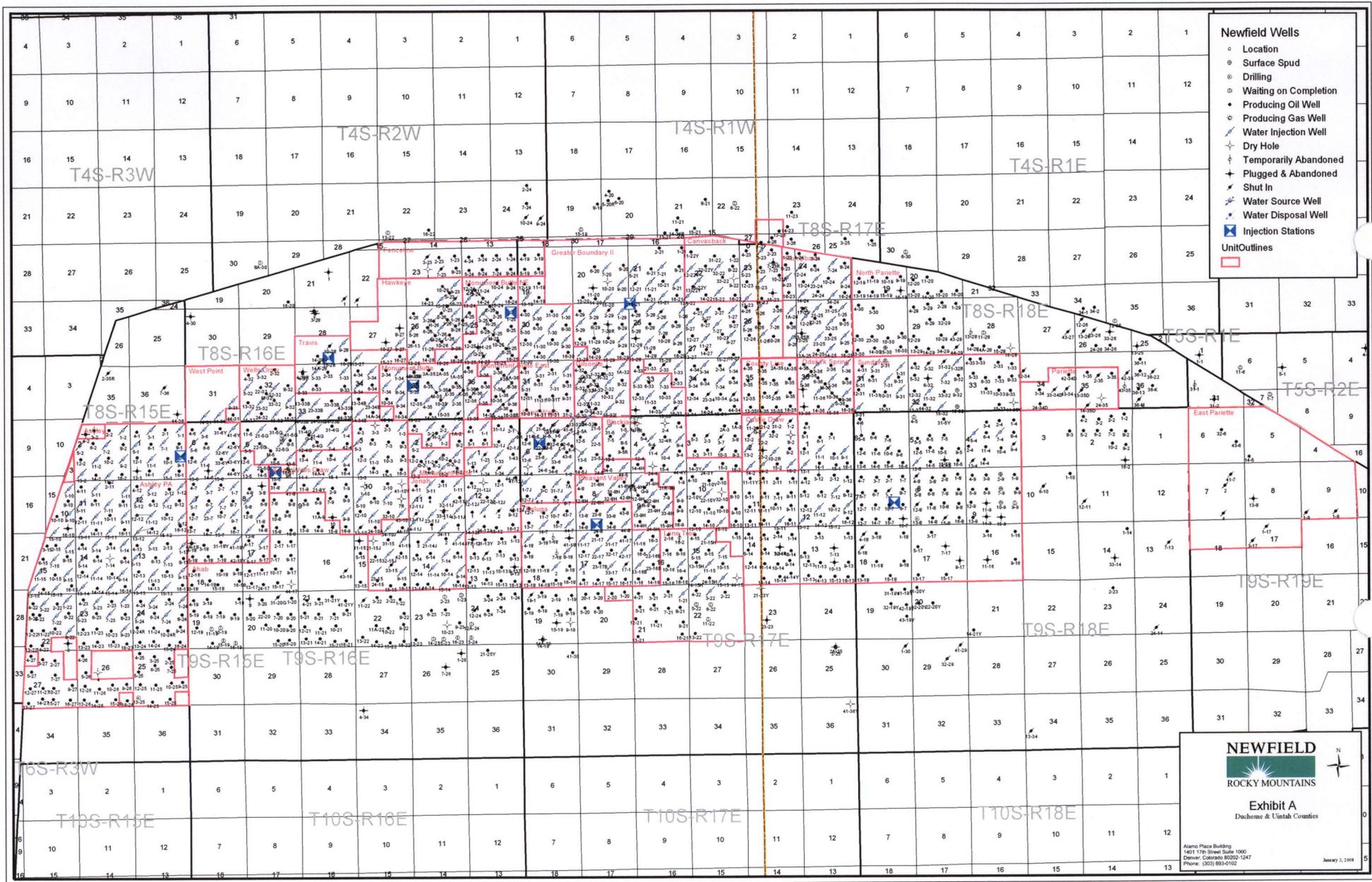
**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

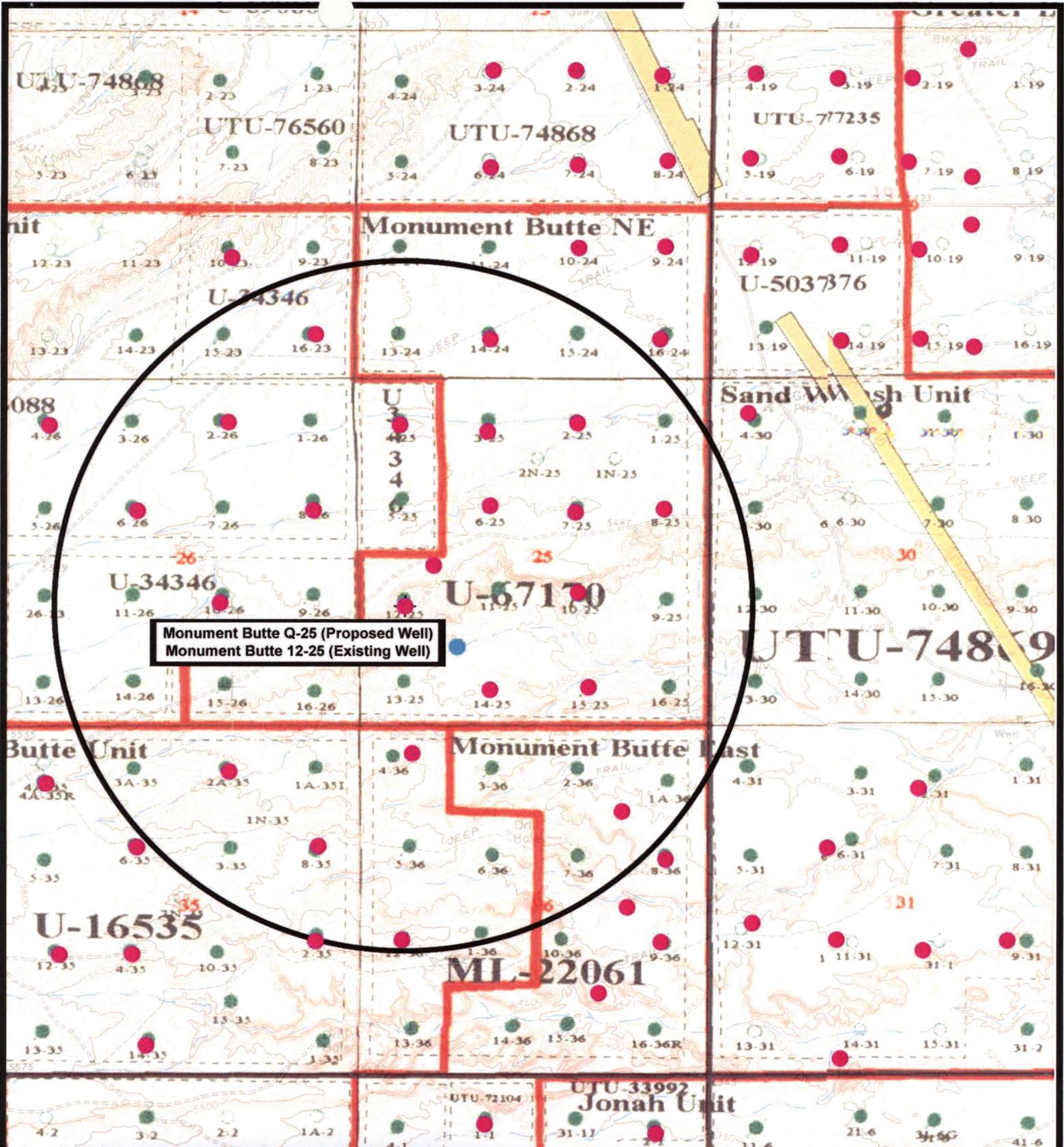
SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 05-21-2008

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**





Monument Butte Q-25 (Proposed Well)  
 Monument Butte 12-25 (Existing Well)

**NEWFIELD**  
 Exploration Company

**Monument Butte Q-25-8-16 (Proposed Well)**  
**Monument Butte 12-25-8-16 (Existing Well)**  
 Pad Location NWSW SEC. 25, 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: nc  
 DATE: 05-21-2008

**Legend**

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

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

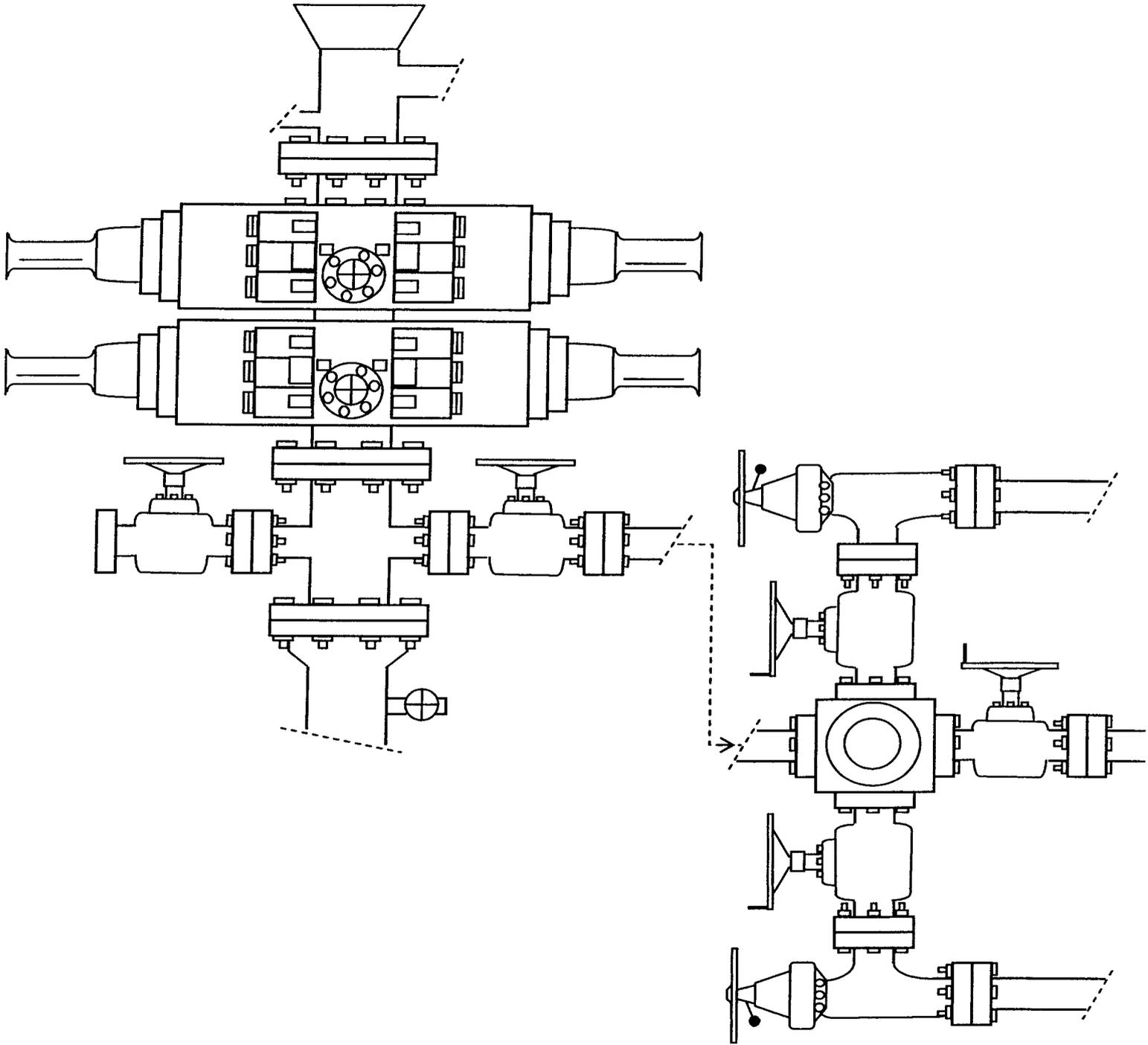


EXHIBIT C

Exhibit "D"  
1 of 3

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S PROPOSED  
MONUMENT BUTTE 12-25-8-16 WATERLINE  
(T8S, R16E, SECTION 25)  
DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared for:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 08-167

August 5, 2008

United States Department of Interior (FLPMA)  
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-0622b

**NEWFIELD EXPLORATION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & Uintah COUNTIES, UTAH**

NE 1/4, NE 1/4, Section 32, T 8 S, R 18 E (1-32RT-8-18); NW 1/4, SW 1/4,  
Section 25, SE 1/4, SW 1/4, Section 32 & NW 1/4, SE 1/4 Section 33, T 8 S, R 16 E (12-25-8-  
16; 24-32-8-16; 33-33B-8-16); SE 1/4, NW 1/4, & NW 1/4, SW 1/4 Section 6, T 9 S, R 16 E (6-  
6-9-16; 12-6-9-16); NW 1/4, SW 1/4, Section 33, T 8 S, R 17 E (12-33-8-17); and SW 1/4, NE  
1/4, Section 3, T 9 S, R 17 E (7-3-9-17)

**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 25, 2008

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/28/2008

API NO. ASSIGNED: 43-013-34064

WELL NAME: MON BUTTE NE FED Q-25-8-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 25 080S 160E  
 SURFACE: 1872 FSL 0669 FWL  
 BOTTOM: 1320 FSL 1420 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.08676 LONGITUDE: -110.0740  
 UTM SURF EASTINGS: 578942 NORTHINGS: 4437588  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-67170  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )
- 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: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 213-3(A)  
Eff Date: 5-23-1997  
Siting: Suspends General Siting
- R649-3-11. Directional Drill

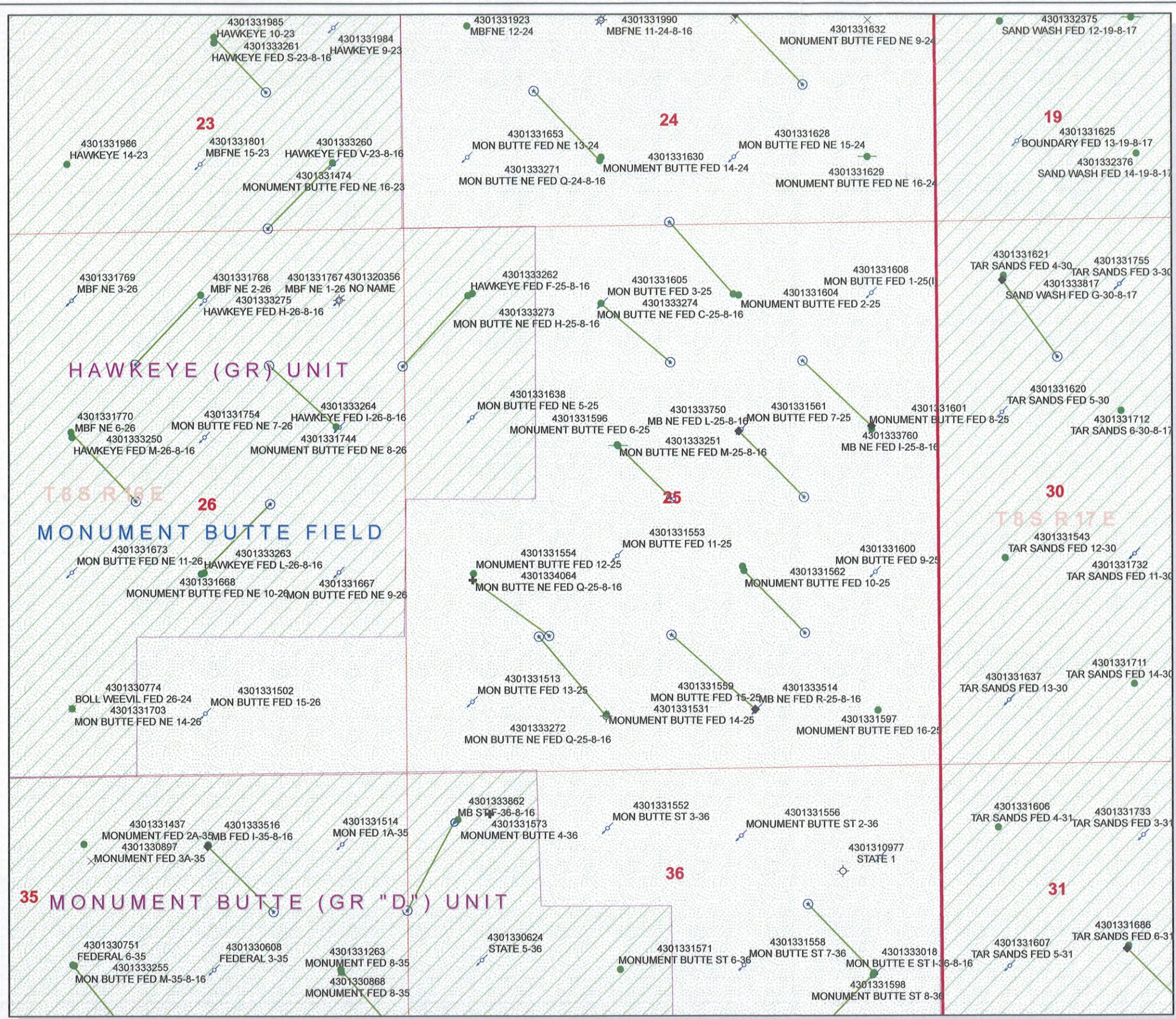
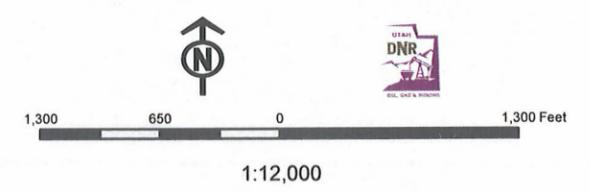
COMMENTS: \_\_\_\_\_

STIPULATIONS: 1. Federal Approval

**API Number: 4301334064**  
**Well Name: MON BUTTE NE FED Q-25-8-16**  
 Township 08.0 S Range 16.0 E Section 25  
 Meridian: SLBM  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

<b>Units</b>	<b>Wells Query Events</b>
<b>STATUS</b>	<Null>
ACTIVE	APD
EXPLORATORY	DRL
GAS STORAGE	GI
NF PP OIL	GS
NF SECONDARY	LA
PI OIL	NEW
PP GAS	OPS
PP GEOTHERML	PA
PP OIL	PGW
SECONDARY	POW
TERMINATED	RET
<b>Fields</b>	SGW
<b>STATUS</b>	SOW
ACTIVE	TA
COMBINED	TW
Sections	WD
Township	WI
	WS
	Bottom Hole Location





September 4, 2008

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 NE Federal Q-25-8-16**  
U-67170  
Monument Butte NE Project  
Surface Hole: T8S R16E, Section 25: NWSW  
1872' FSL 669' FWL  
Bottom Hole: T8S R16E, Section 25  
1320' FSL 1420' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated August 22, 2008, 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 covered by Federal lease U-67170. Newfield certifies that it owns 100% of the working interest in all of the lands covered by U-67170 and all lands within 460 feet of the entire directional well bore.

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

SEP 08 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

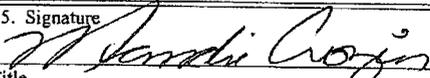
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No. <b>UTU-67170</b>	
6. If Indian, Allottee or Tribe Name <b>N/A</b>	
7. If Unit or CA Agreement, Name and No. <b>Monument Butte NE Unit</b>	
8. Lease Name and Well No. <b>Mon. Butte NE Federal Q-25-8-16</b>	
9. API Well No.	
10. Field and Pool, or Exploratory <b>Monument Butte</b>	
11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 25, T8S R16E</b>	
12. County or Parish <b>Duchesne</b>	13. State <b>UT</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximatley 10.5 miles southwest of Myton, Utah</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <small>Approx. 1320' f/lse, 1320' f/unit</small>	16. No. of Acres in lease <b>959.869</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. 1331'</b>	19. Proposed Depth <b>6480'</b>
20. BLM/BIA Bond No. on file <b>WYB000493</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5443' GL</b>	22. Approximate date work will start* <b>4th Quarter 2008</b>
23. Estimated duration <small>Approximately seven (7) days from spud to rig release.</small>	

**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) <b>Mandie Crozier</b>	Date <b>8/22/08</b>
Title <b>Regulatory Specialist</b>		

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**

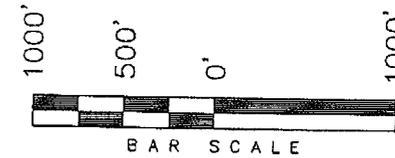
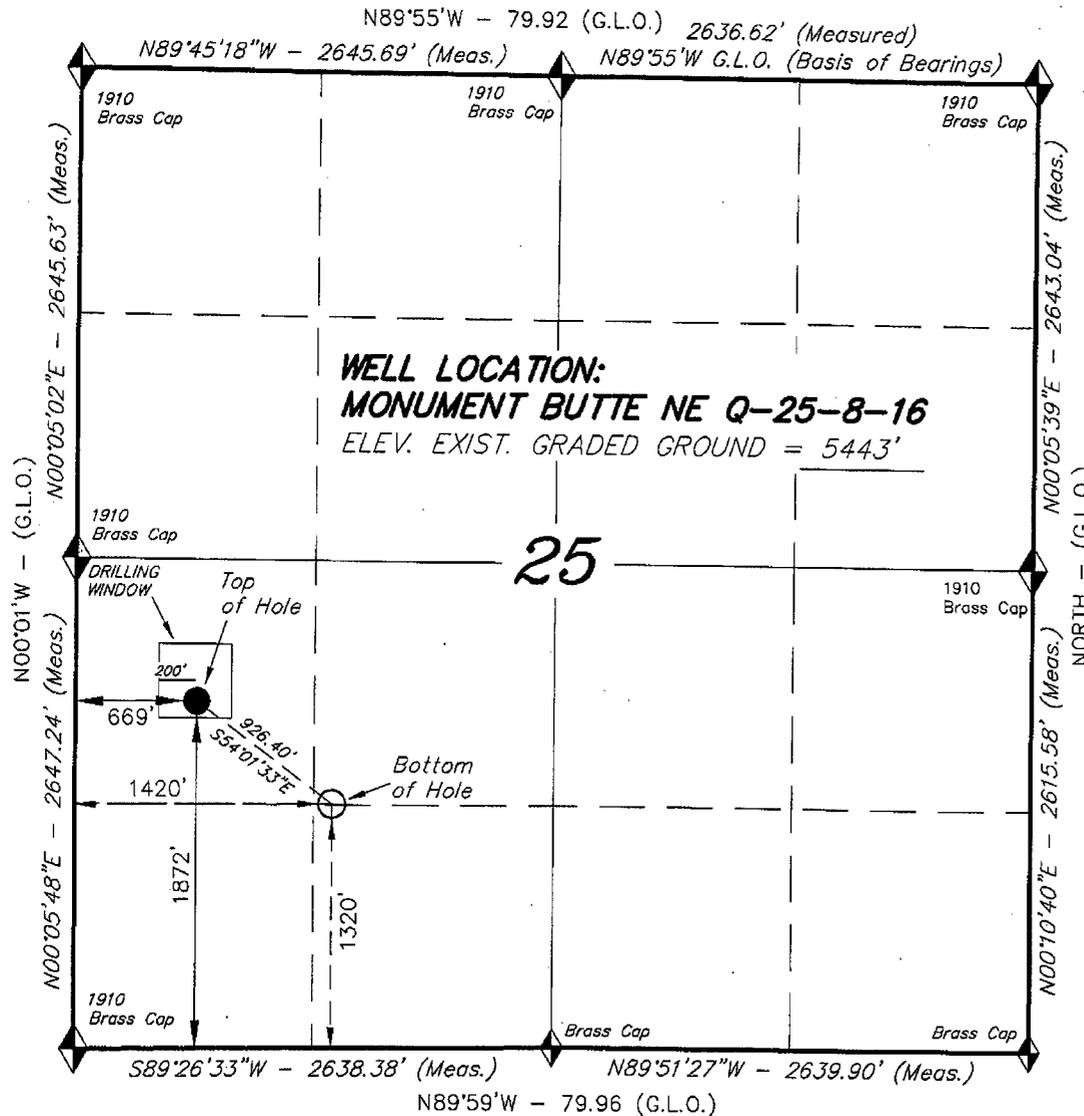
**SEP 08 2008**

DIV. OF OIL, GAS & MINING

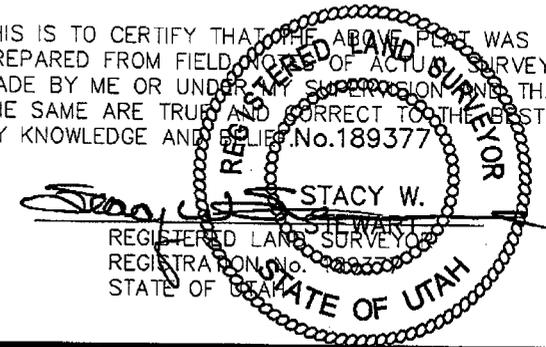
# T8S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, MONUMENT BUTTE NE Q-25-8-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 25, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

**MONUMENT BUTTE NE Q-25-8-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 05' 12.44"  
 LONGITUDE = 110° 04' 29.35"

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

DATE SURVEYED: 05-01-08	SURVEYED BY: T.H.
DATE DRAWN: 05-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



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

September 9, 2008

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

Re: Monument Butte NE Federal Q-25-8-16 Well, Surface Location 1872' FSL, 669' FWL, NW SW, Sec. 25, T. 8 South, R. 16 East, Bottom Location 1320' FSL, 1420' FWL, NE SW, Sec. 25, 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 43-013-34064.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** Monument Butte NE Federal Q-25-8-16  
**API Number:** 43-013-34064  
**Lease:** UTU-67170

**Surface Location:** NW SW      **Sec.** 25      **T.** 8 South      **R.** 16 East  
**Bottom Location:** NE SW      **Sec.** 25      **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

Form 3160-3  
(September 2001)

2008 AUG 27 PM 1 33

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-67170
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. <del>Monument Butte NE Unit</del>
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte NE Federal Q-25-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34064
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1872' FSL 669' FWL At proposed prod. zone 1320' FSL 1420' FWL <b>SESU</b>		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 10.5 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1320' fl/lease, 1320' fl/unit	16. No. of Acres in lease 959.869	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1331'	19. Proposed Depth 6480'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5443' GL	22. Approximate date work will start* 4th Quarter 2008	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 8/22/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kewczka	Date FEB 05 2009
Title Assistant Field Manager 1 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)

NOS 6/4/08

NOTICE OF APPROVAL

RECEIVED

FEB 10 2009

DIV. OF OIL, GAS & MINING

AFMSS# D8PP0862A

UDOGM



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

**Company:** Newfield Production Company      **Location:** NWSW, Sec. 25, T8S, R16E (S)  
SESW, Sec. 25, T8S, R16E (B)  
**Well No:** Monument Butte NE Fed Q-25-8-16      **Lease No:** UTU-67170  
**API No:** 43-013-34064      **Agreement:** N/A

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

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

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

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

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

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC COAs:**

**Wildlife**

**Mountain Plover**

Timing restriction during construction of the project to minimize disturbance during Mountain Plover nesting from May 15 – June 15 on well sites (R-25-8-16, B-25-8-16, S-24-8-16, Q-25-8-16).

**Golden Eagle**

There are two documented Golden Eagle nests approximately 0.23 miles north and 0.5 miles north of the project area. Both nests have been active from 2006-2008. With this occurrence there will be a timing restriction during construction and drilling to minimize disturbance to Golden Eagle nesting from February 1 – July 15.

If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted.

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

**Interim 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 re-contoured and the topsoil re-spread, 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
Forage Kochia	<i>Kochia Prostrata</i>	0.20	1/2"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

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

• **Final reclamation:**

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

- 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 should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP. Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of the directional survey shall be submitted to the BLM Vernal Field Office.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas

Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
UTU-67170

6. If Indian, Allottee or Tribe Name  
NA

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

7. If Unit of CA/Agreement, Name and/or No.  
NA

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
Monument Butte NE Federal Q-25-8-16

2. Name of Operator  
Newfield Production

9. API Well No.  
43-013-34064

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

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

10. Field and Pool or Exploratory Area  
Monument Butte

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW/SW, Sec. 25, T8S R16E 1872' FSL 669' FWL (Surface)

11. Country or Parish, State  
Duchesne

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Newfield Production requests permission to change the name of the above mentioned well. We would like the name from this point out be the Monument Butte NE Federal QA-25-8-16. The remainder of the APD with remain the same.

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed) Mandie Crozier      Title Regulatory Specialist  
Signature *Mandie Crozier*      Date 3/5/09

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

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Office \_\_\_\_\_  
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 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.

**Diana Mason - APD Name Change**

---

**From:** "Mandie Crozier"  
**To:** "Diana Mason"  
**Date:** 3/5/2009 3:30 PM  
**Subject:** APD Name Change  
**Attachments:**

---

Hey Diana,  
This APD has been approved by both you and the BLM and I apologize for the mix up, but we already had a well with this exact same name but at a different surface location that was drilled and P&A'd about two years ago. I need to re-name this one before we drill it so there won't be any confusion out in the field. We expect to SPUD this well within the next two weeks. Let me know if there are any problems. Thanks!

*Mandie Crozier*  
**Newfield Production**  
**Phone: (435)646-4825**  
**Fax: (435) 646-3031**

---

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/#      Ross #  
29 Submitted By Jim Smith  
Phone Number 823-2072  
Well Name/Number MB NE<sup>Field</sup> QA-25-8-16

Qtr/Qtr SE/SW Section 25 Township 8S  
Range 16E  
Lease Serial Number      UTU-67170

API Number      43-013-34064

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

Date/Time 3/18/09 9:00 AM   
PM

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

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

Date/Time 3/18/09 5:00 AM   
PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point

30 day BOPE test

Other

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

Remarks \_\_\_\_\_  
\_\_\_\_\_

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

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

OPERATOR ACCT. NO. N2695

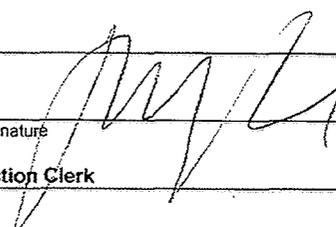
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880 ✓	4301334086	BELUGA FEDERAL H-17-9-17	NWNE NENE	17	9S	17E	DUCHESNE	3/24/2009	3/31/09
WELL 1 COMMENTS: <i>GRRU</i> <i>BHL = N WNE</i>											
<del>B</del>	<del>99999</del>	<del>13269</del>	<del>4301339981</del>	<del>SOUTH WELLS DRAW</del> <del>U-5-9-16</del>	<del>NWNW</del>	<del>5</del>	<del>9S</del>	<del>16E</del>	<del>DUCHESNE</del>	<del>3/25/2009</del>	<del>---</del>
B	99999	12418 ✓	4301334079	WEST POINT <sup>Fed</sup> N-8-9-16	SENW	8	9S	16E	DUCHESNE	3/20/2009	3/31/09
WELL 2 COMMENTS: <i>GRRU</i> <i>BHL = SENW</i>											
B	99999	15150 ✓	4301334064	MON BUTTE NE QA-25-8-16	NWSW	25	8S	16E	DUCHESNE	3/18/2009	3/31/09
WELL 3 COMMENTS: <i>GRRU</i> <i>BHL = NESW</i>											
B	99999	12418 ✓	4301334078	WEST POINT <sup>Fed</sup> K-7-9-16	NESE	7	9S	16E	DUCHESNE	3/17/2009	3/31/09
WELL 5 COMMENTS: <i>GRRU</i> <i>BHL = NESE</i>											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - 1 new entity for new well (single well only)
  - B - well to existing entity (group or unit well)
  - C - from one existing entity to another existing entity
  - D - well from one existing entity to a new entity
  - E - other (explain in comments section)

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

RECEIVED  
 MAR 26 2009

DIV. OF OIL, GAS & MINING

Signature  Jentri Park  
 Production Clerk  
 Date 03/26/09

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

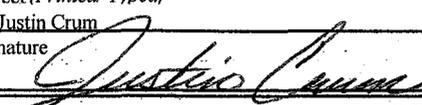
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-67170
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or MON BUTTE NE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Section 25 T8S R16E		8. Well Name and No. MON BUTTE NE QA-25-8-16
		9. API Well No. 4301334064
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 3/18/09 MIRU Ross # 29. Spud well @ 9:00 AM. Drill 314' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csqn. Set @ 323.97 KB. On 3/18/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 04/04/2009

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

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

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

(Instructions on page 2)

**RECEIVED**

APR 08 2009

DIV. OF OIL, GAS & MINING





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-67170
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or MON BUTTE NE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Section 25 T8S R16E		8. Well Name and No. MON BUTTE NE QA-25-8-16
		9. API Well No. 4301334064
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 3/26/09 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 @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6673'. 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, 166 jt's of 5.5 J-55, 15.5# csgn. Set @ 6652' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 30 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 105,000 #'s tension. Release rig @ 6:00 AM on 4/3/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 04/04/2009

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

Approved by _____	Title _____	Date _____
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(Instructions on page 2)

**RECEIVED**

**APR 08 2009**

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





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-67170

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
MON BUTTE NE

1. TYPE OF WELL:  
OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MON BUTTE NE QA-25-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301334064

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:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 25, T8S, R16E

STATE: UT

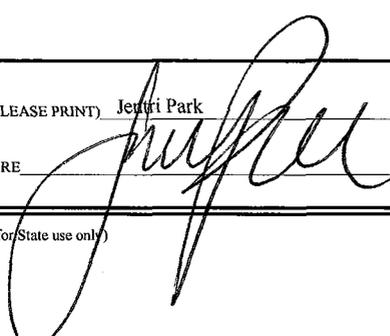
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<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 04/27/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jenni Park

TITLE Production Clerk

SIGNATURE 

DATE 06/04/2009

(This space for State use only)

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

**Daily Activity Report**

Format For Sundry

**MON BUTTE NE QA-25-8-16****2/1/2009 To 6/30/2009****4/16/2009 Day: 1****Completion**

Rigless on 4/16/2009 - 4-16-09 CBL/Perforated 1st stage.- Instal 5M frac head & Cameron BOP's. RU Hot Oiler truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC. WLT w/ mast & run CBL under pressure. WLTD @ 6461' & cement top @ 54'. Perforate A3 sds @ 5663-5669' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 24 shots. 155 bbls EWTR. SIFN.

**4/20/2009 Day: 2****Completion**

Rigless on 4/20/2009 - Frac Stage #1 A3 sd. Stage #2 B2 sd. Stage #3 C sd. Stage #4 D1 sd. w/150,000 #'s total. MIRU Leed 731 service unit. Flowback well immediately for 5 hours @ 3 BPM. Recovered ~ 900 bbls. SWIFN when oil and gas flowed to surface. 884 BWTR. MIRU Leed 731- Stage #1 A3 sd.. RU BJ Services. Pressure test BJ equipment to 5200 psi. Test good. Open BOP's @ 7:00 am. Well on vacuum. Pressure up on A3. Formation broke @ 2750 psi. Pump 20.1 bbls of 4 % technihib then shut down immediately for 1 hr. ISIP = 2015 psi. Initial FG = .79. Frac A3 as planned w/ 14,952 #'s 20/40 sand. Spot 12 bbls of 15% HCl during flush for stage #2. ISDP = 2335 psi. FG = .85 psi/ft. 5 min shut-in = 2214 psi. 10 min shut-in = 2142 psi. 15 min shut-in = 2104 psi. Turn well over to PSI Wireline truck to set plug and shoot stage #2. 455 BWTR., Stage #3 C sd.. RU PSI WLT. RIH w/ Weatherford 5-1/2" (5K) composite flow through frac plug & 6' perf gun. Set plug @ 5390'. Perforate C sds @ 5324-5330' w/ 3-1/8" Slick Guns (19 gram, .40" EH, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. Open BOP's @ 12:15 pm. 1775 psi on well. Pressure up on C sds. Formation broke @ 4252 psi. Shut down immediately after break. ISIP = 1745 psi. Initial FG = .76. 1 min shut-in = 1704 psi. 4 min shut-in = 1687. Frac C sds as planned w/ 16,320 #'s 20/40 sand. Spot 12 bbls of 15% HCl during flush for stage #4. ISDP = 2110 psi. FG = .83 psi/ft. 5 min shut-in = 1882 psi. 10 min shut-in = 1786 psi. 15 min shut-in = 1754 psi. Turn well over to PSI WLT to set plug and shoot stage #4. 1271 BWTR., MIRUSU Leed 731., Stage #4 D1 sd.. RU PSI WLT. RIH w/ Weatherford 5-1/2" (5K) composite flow through frac plug & 12' perf gun. Set plug @ 5235'. Perforate D1 sds @ 5144-5156' w/ 3-1/8" Slick Guns (19 gram, .40"EH, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. Open BOP's @ 1:47 pm. 1630 psi on well. Pressure up on D1 sds. Formation broke @ 3485 psi. Shut down immediately after break. ISIP = 1643 psi. Initial FG = .75. 1 min shut-in = 1588 psi. 4 min shut-in = skipped (pressure not dropping). Frac D1 sds w/ 57,846 #'s 20/40 sand. ISDP = 2685 psi. FG = .96 psi/ft. 5 min shut-in = 2213 psi. 10 min shut-in = 2043 psi. 15 min shut-in = 1970 psi. Flowback well immediately for 5 hours @ 3 BPM. Recovered ~ 900 bbls. SWIFN when oil and gas flowed to surface. 884 BWTR., Stage #2 B2 sd.. RU PSI WLT. RIH w/ Weatherford 5-1/2" (5K) composite flow through frac plug & 11' perf gun. Set plug @ 5570'. Perforate B2 sds @ 5502-5513' w/ 3-1/8" Slick Guns (19 gram, .40" EH, 120°) w/ 4 spf for total of 44 shots. RU BJ Services. Open BOP's @ 10:00 am. 2015 psi on well. Pressure up on B2 sds. Formation broke @ 2480 psi. Shut down immediately after break. ISIP = 2084 psi. Initial FG = .81. 1 min shut-in = 2020 psi. 4 min shut-in = 1983. Frac B2 sds as planned w/ 60,331 #'s 20/40 sand. Spot 12 bbls of 15% HCl during flush for stage #3. ISDP = 2345 psi. FG = .86 psi/ft. 5 min shut-in = 2211 psi. 10 min shut-in = 2075 psi. 15 min shut-in = 2004 psi. Turn well over to PSI WLT to set plug and shoot stage #3. 980 BWTR.

**4/22/2009 Day: 3****Completion**

Leed #731 on 4/22/2009 - Set kill plug. ND BOP's and frac head. NU production head & shaffer 5K BOP's. Tag kill plug @ 5022'. Drill plug in 24 min. Circulate clean. LD 1 jt & SWIFN.

764 BWTR.- 850 psi on casing. RU perforators WLT to set kill plug. Could not get plug through hard oil in top of casing. Flow well to flat tank for 20 min. Made ~ 90 bbls of 100% oil. SWI. RIH and set kill plug @ 5020'. Open bleed down well as we POOH w/ WL. Well dead. RD WLT. ND BOP's and frac head. NU production head & shaffer 5K BOP's. Well came alive and dumped ~ 10 bbls oil on location. (did not leave berms) Close blind rams. Open blind rams and gas blew to flat tanks for ~ 5 mins and died. Kill plug seems to be holding. The gas/oil must have been from a gas bubble above the kill plug. Unload tbg on pipe racks. Tally, PU & RIH w/ 2-7/8" J55 6.5# EUE 8 rd. Tag kill plug @ 5022'. Drill plug in 24 min. Circulate clean. LD 1 jt & SWIFN. Recovered 120 bbls water and 125 bbls oil.

**4/23/2009 Day: 4****Completion**

Leed #731 on 4/23/2009 - 22 Apr 09. Drill out plug #1. Heat and transfer 250 bbls oil to 10-25-8-16. RIH & clean out 25' sand on top of plug #2. SWIFN. 644 BWTR- Check pressure. 400 psi in casing. 400 psi on tbg. Bleed down tubing and pump 30 bbls down tubing. Waited on hot oiler to transfer oil out of flat tank. Tag plug @ 5235'. No sand. RIH and tag fill @ 5365'. Clean out 25' of sand to plug #2 @ 5390'. Circulate well clean and SWIFN. Recovered 120 bbls water. 644 BWTR. Transferred 250 bbls oil to 10-25-8-16

**4/24/2009 Day: 5****Completion**

Leed #731 on 4/24/2009 - Drill 2 CFTP's. Clean out 47' fill to PBTD @ 6513'. Circulate well clean. LD 35 jts. Fill treater w/ production fluid. MU NC and SN. Transfer 30 bbls oil from flat tank to production tanks. Recovered 50 bbls water. SWIFN. 594 BWTR- Check pressure. 800 psi on casing. 0 psi on tbg. Swivel up and drill out plug #2 @ 5390. Drill out plug in 1 hr 15 min. RIH & tag plug #3 @ 5570. No fill on top. Drill out plug in 45 min. TIH and tag @ 6043'. 470' of fill. Clean out fill to PBTD @ 6513'. Circulate well clean. Transfer 30 bbls oil from flat tank to production tanks. LD 35 jts. Fill treater w/ production fluid. MU NC and SN. SWIFN. Recovered 50 bbls water. 594 BWTR

**4/27/2009 Day: 6****Completion**

Leed #731 on 4/27/2009 - 24 Apr 09 - Killed well w/ brine. TOO H w/ 4-3/4" bit. TIH w/ production tubing, rods, & pump. Pumping unit problems turned well over to night pumper. Well was flowing but not pumping.- Check pressure on well. 750 psi on casing. 0 psi on tubing. Bleed casing down to production tank. Pump 160 bbls of brine to kill well. Well dead. POOH and LD 4-3/4" bit. RIH w/ NC, 2 jts 2-7/8" J55 6.5# EUE, SN, 1 jt, TAC, 179 jts tbg. Set tbg anchor w/ 14,000 #'s tension. Land tubing w/ B1 adaptor. ND BOP's and install wellhead. Prime pump and RIH w/ 4 x 1-1/2" weight bars & 221 7/8" 8 per guided rods. Seat pump. Fill and stroke test pump w/ rig to 900 psi. Test good. Hang rods, install horses head and adjust tag. Pumping unit problems turned well over to night pumper. Well was flowing but not pumping.

**4/28/2009 Day: 7****Completion**

Leed #731 on 4/28/2009 - 27 Apr 09 - Re-balance and repair pumping unit/ajax engine. Clean up location. 0 BWTR. -----FINAL REPORT----- Re-balance and repair pumping unit/ajax engine. Clean up location -----FINAL REPORT-----

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

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

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

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

At surface 1872' FSL & 669' FWL (NW/SW) SEC. 25, T8S, R16E

At top prod. interval reported below BHL-1320' FSL & 1420' FWL (NWSW)

At total depth ~~6670~~ <sup>1344</sup> 1157' FSL 1558' FWL NESW S-25 T08S R16E

14. Date Spudded  
03/18/2009

15. Date T.D. Reached  
04/02/2009

16. Date Completed 04/27/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5443' GL 5455' KB

18. Total Depth: MD 6573'  
TVD 6458'

19. Plug Back T.D.: MD 6513'  
TVD 6396'

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		324'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6553'		325 PRIMLITE		54'	
						425 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5714'	TA @ 5624'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) GREEN RIVER			(A3) 5663-5669'	.49"	4	24
B) GREEN RIVER			(B2) 5502-5513'	.49"	4	44
C) GREEN RIVER			(C) 5324-5330'	.49"	4	24
D) GREEN RIVER			(D1) 5144-5156'	.49"	4	48

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

Depth Interval	Amount and Type of Material
5663-5669'	Frac w/ 14952# of 20/40 snd 127 bbls fluid
5502-5513'	Frac w/ 60331# 20/40 snd 362 bbls fluid
5324-5330'	Frac w/ 16320# 20/40 snd 132 bbls fluid
5144-5156'	Frac w/ 57846# 20/40 snd 359 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/27/09	05/31/09	24	→	131	46	0			2-1/2" x 1-3/4" x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

RECEIVED  
JUN 22 2009

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4082' 4286'
				GARDEN GULCH 2 POINT 3	4416' 4699'
				X MRKR Y MRKR	4945' 4980'
				DOUGALS CREEK MRK BI CARBONATE MRK	5107' 5368'
				B LIMESTON MRK CASTLE PEAK	5526' 6008'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6420' 6562'

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) Tammi Lee Title Production Clerk  
 Signature Tammi Lee Date 06/18/2009

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

# NEWFIELD



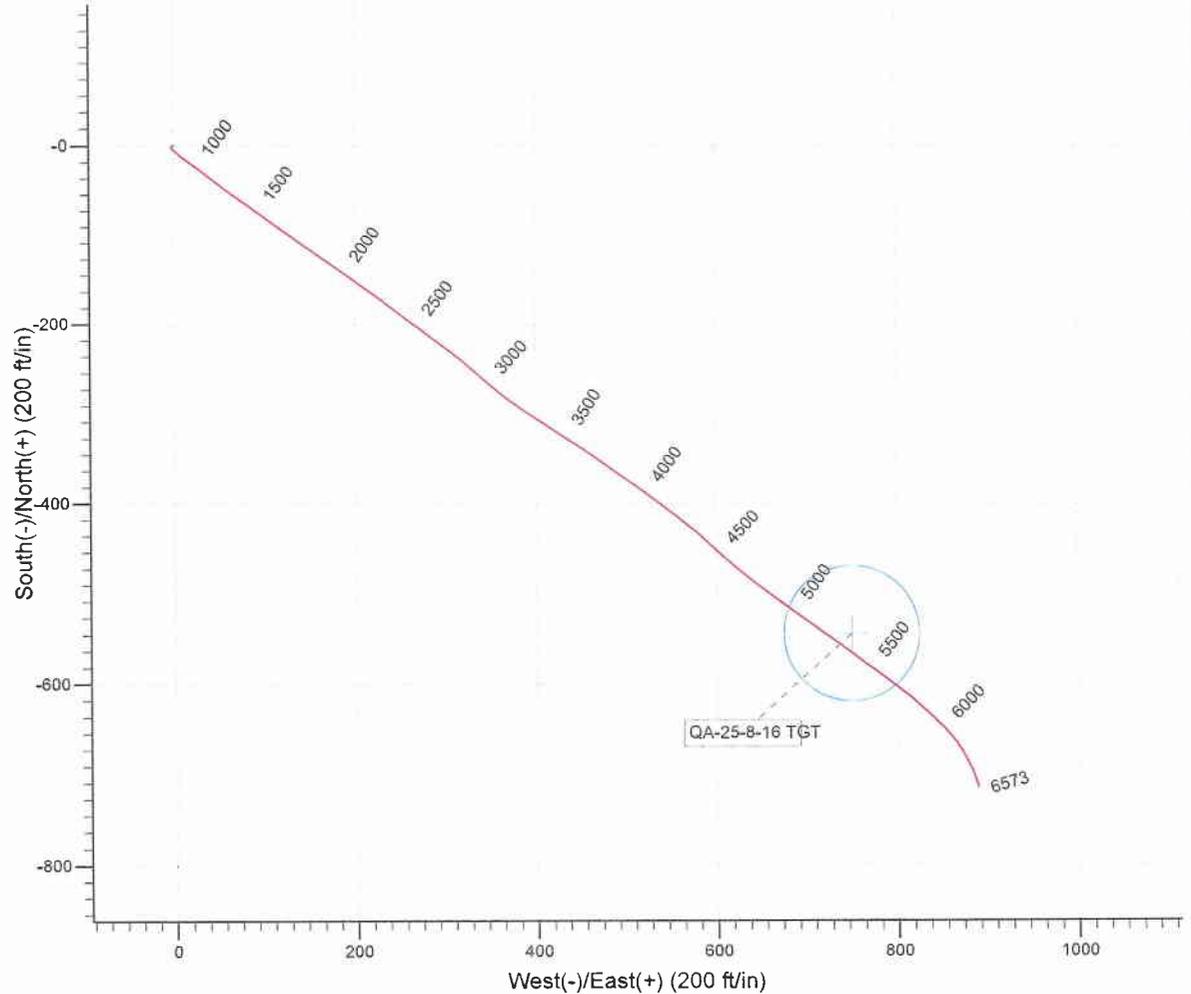
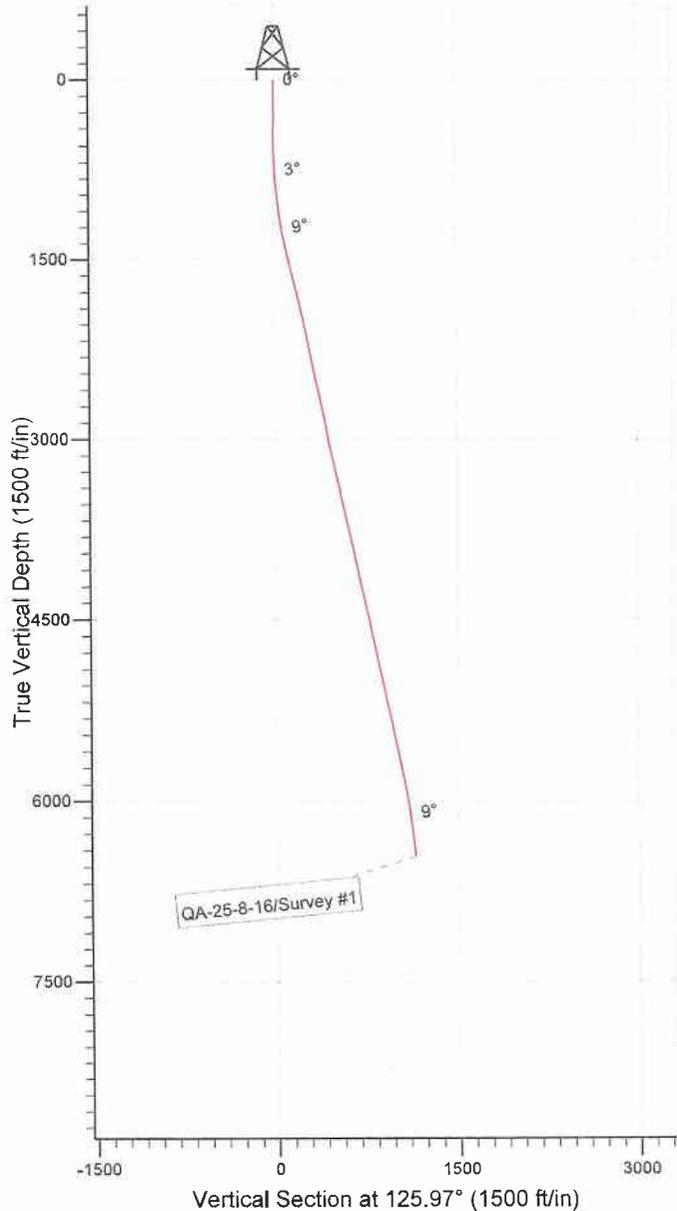
Project: USGS Myton SW (UT)  
 Site: SECTION 25 T8S, R16E  
 Well: QA-25-8-16  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.60°

Magnetic Field  
 Strength: 52543.2snT  
 Dip Angle: 65.89°  
 Date: 2009/03/13  
 Model: IGRF200510



Survey: Survey #1 (QA-25-8-16/Wellbore #1)

Created By: *Tom Hudson* Date: 8:58, April 03 2009

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

**NEWFIELD**



# **NEWFIELD EXPLORATION**

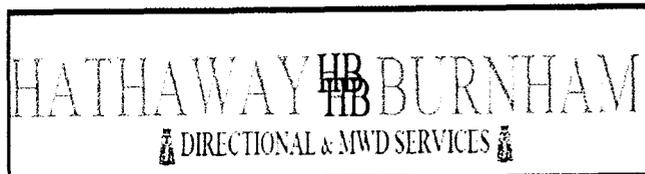
**USGS Myton SW (UT)  
SECTION 25 T8S, R16E  
QA-25-8-16**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

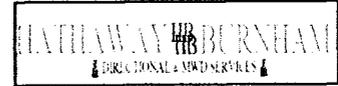
**03 April, 2009**





# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 25 T8S, R16E  
**Well:** QA-25-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well QA-25-8-16  
**TVD Reference:** QA-25-8-16 @ 5455.0ft (RIG #1)  
**MD Reference:** QA-25-8-16 @ 5455.0ft (RIG #1)  
**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 25 T8S, R16E, SEC 25 T8S, R16E		
<b>Site Position:</b>		<b>Northing:</b>	7,204,500.00ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,042,000.00ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 5' 21.736 N
		<b>Longitude:</b>	110° 3' 52.354 W
		<b>Grid Convergence:</b>	0.92 °

<b>Well</b>	QA-25-8-16, SHL LAT: 40 05 12.44, LONG: -110 04 29.35		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b> 7,203,513.55 ft
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b> 2,039,140.20 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 5' 12.440 N
		<b>Longitude:</b>	110° 4' 29.350 W
		<b>Ground Level:</b>	0.0ft

<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	2009/03/13	11.60	65.89	52,543

<b>Design</b>	Wellbore #1			
<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	125.97

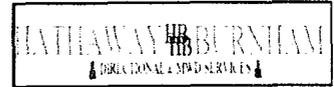
<b>Survey Program</b>	Date 2009/04/03			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
384.0	6,573.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

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
384.0	0.60	256.50	384.0	-0.5	-2.0	-1.3	0.16	0.16	0.00
415.0	0.70	259.80	415.0	-0.5	-2.3	-1.5	0.34	0.32	10.65
445.0	0.50	246.70	445.0	-0.6	-2.6	-1.7	0.80	-0.67	-43.67
476.0	0.70	230.20	476.0	-0.8	-2.9	-1.9	0.85	0.65	-53.23
507.0	0.60	207.50	507.0	-1.1	-3.1	-1.9	0.88	-0.32	-73.23
537.0	0.70	186.70	537.0	-1.4	-3.2	-1.8	0.85	0.33	-69.33
568.0	0.70	168.10	568.0	-1.8	-3.2	-1.5	0.73	0.00	-60.00
598.0	1.20	139.50	598.0	-2.2	-2.9	-1.1	2.25	1.67	-95.33
629.0	1.60	132.10	629.0	-2.7	-2.4	-0.3	1.41	1.29	-23.87
660.0	2.10	129.10	660.0	-3.4	-1.6	0.7	1.64	1.61	-9.68
691.0	2.50	127.10	690.9	-4.1	-0.7	1.9	1.32	1.29	-6.45
721.0	3.30	131.60	720.9	-5.1	0.5	3.4	2.77	2.67	15.00



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 25 T8S, R16E  
**Well:** QA-25-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

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**TVD Reference:** QA-25-8-16 @ 5455.0ft (RIG #1)  
**MD Reference:** QA-25-8-16 @ 5455.0ft (RIG #1)  
**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)
752.0	3.80	132.50	751.8	-6.4	1.9	5.3	1.62	1.61	2.90
783.0	4.10	132.40	782.8	-7.8	3.5	7.4	0.97	0.97	-0.32
813.0	4.30	133.50	812.7	-9.3	5.1	9.6	0.72	0.67	3.67
844.0	4.80	131.50	843.6	-11.0	6.9	12.1	1.69	1.61	-6.45
874.0	5.20	126.90	873.5	-12.6	9.0	14.7	1.89	1.33	-15.33
906.0	5.50	124.00	905.3	-14.4	11.4	17.7	1.26	0.94	-9.06
937.0	5.90	124.10	936.2	-16.1	13.9	20.7	1.29	1.29	0.32
968.0	6.30	125.40	967.0	-18.0	16.7	24.0	1.37	1.29	4.19
999.0	6.50	127.00	997.8	-20.0	19.4	27.5	0.86	0.65	5.16
1,031.0	6.90	126.30	1,029.6	-22.2	22.4	31.2	1.28	1.25	-2.19
1,062.0	7.20	127.80	1,060.3	-24.5	25.5	35.0	1.14	0.97	4.84
1,094.0	7.60	127.90	1,092.1	-27.1	28.7	39.1	1.25	1.25	0.31
1,156.0	8.40	128.40	1,153.5	-32.4	35.5	47.8	1.30	1.29	0.81
1,188.0	8.70	128.20	1,185.1	-35.3	39.2	52.5	0.94	0.94	-0.63
1,219.0	9.10	127.60	1,215.7	-38.3	43.0	57.3	1.32	1.29	-1.94
1,250.0	9.50	127.60	1,246.3	-41.3	47.0	62.3	1.29	1.29	0.00
1,282.0	10.00	127.20	1,277.9	-44.6	51.3	67.7	1.58	1.56	-1.25
1,313.0	10.50	126.40	1,308.4	-47.9	55.7	73.2	1.68	1.61	-2.58
1,345.0	11.00	126.20	1,339.8	-51.5	60.5	79.2	1.57	1.56	-0.63
1,376.0	11.50	126.00	1,370.2	-55.0	65.4	85.3	1.62	1.61	-0.65
1,408.0	12.00	125.80	1,401.6	-58.8	70.7	91.8	1.57	1.56	-0.63
1,439.0	12.50	125.50	1,431.9	-62.7	76.0	98.4	1.63	1.61	-0.97
1,533.0	13.30	126.50	1,523.5	-75.0	93.0	119.3	0.88	0.85	1.06
1,627.0	14.20	126.50	1,614.8	-88.3	111.0	141.7	0.96	0.96	0.00
1,721.0	14.20	126.50	1,705.9	-102.0	129.5	164.7	0.00	0.00	0.00
1,815.0	13.90	125.50	1,797.1	-115.4	148.0	187.6	0.41	-0.32	-1.06
1,909.0	13.10	124.50	1,888.5	-128.0	165.9	209.5	0.89	-0.85	-1.06
2,002.0	12.60	125.40	1,979.2	-139.9	182.9	230.2	0.58	-0.54	0.97
2,096.0	11.70	125.10	2,071.1	-151.3	199.1	250.0	0.96	-0.96	-0.32
2,189.0	10.70	125.70	2,162.3	-161.8	213.8	268.0	1.08	-1.08	0.65
2,283.0	10.70	128.00	2,254.7	-172.2	227.7	285.5	0.45	0.00	2.45
2,377.0	11.70	127.60	2,346.9	-183.4	242.2	303.7	1.07	1.06	-0.43
2,471.0	12.10	127.90	2,438.8	-195.3	257.5	323.1	0.43	0.43	0.32
2,564.0	12.60	126.10	2,529.7	-207.2	273.4	343.0	0.68	0.54	-1.94
2,658.0	12.50	126.70	2,621.4	-219.4	289.8	363.4	0.17	-0.11	0.64
2,752.0	12.00	127.60	2,713.3	-231.4	305.7	383.3	0.57	-0.53	0.96
2,846.0	11.60	129.10	2,805.3	-243.3	320.8	402.6	0.54	-0.43	1.60
2,939.0	10.40	131.20	2,896.6	-254.8	334.4	420.2	1.36	-1.29	2.26
3,033.0	10.40	132.30	2,989.1	-266.0	347.0	437.1	0.21	0.00	1.17
3,127.0	12.40	127.60	3,081.2	-277.9	361.3	455.7	2.34	2.13	-5.00
3,221.0	13.40	126.00	3,172.8	-290.5	378.1	476.6	1.13	1.06	-1.70
3,315.0	12.40	122.80	3,264.5	-302.3	395.4	497.6	1.31	-1.06	-3.40
3,409.0	12.70	122.50	3,356.2	-313.4	412.6	518.0	0.33	0.32	-0.32
3,502.0	11.80	121.80	3,447.1	-323.9	429.3	537.7	0.98	-0.97	-0.75
3,596.0	12.90	125.10	3,538.9	-335.0	446.1	557.8	1.39	1.17	3.51
3,690.0	12.30	124.30	3,630.7	-346.6	462.9	578.3	0.66	-0.64	-0.85
3,783.0	12.40	125.40	3,721.5	-358.0	479.2	598.1	0.27	0.11	1.18
3,877.0	12.70	126.10	3,813.3	-369.9	495.8	618.6	0.36	0.32	0.74
3,971.0	12.00	125.00	3,905.1	-381.6	512.2	638.7	0.79	-0.74	-1.17
4,064.0	11.60	126.30	3,996.1	-392.7	527.6	657.7	0.52	-0.43	1.40
4,158.0	11.40	126.90	4,088.2	-403.9	542.7	676.4	0.25	-0.21	0.64
4,252.0	11.40	127.70	4,180.4	-415.2	557.5	695.0	0.17	0.00	0.85
4,345.0	12.70	129.80	4,271.3	-427.3	572.6	714.4	1.47	1.40	2.26
4,438.0	13.60	132.40	4,361.9	-441.2	588.5	735.5	1.16	0.97	2.80



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 25 T8S, R16E  
 Well: QA-25-8-16  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well QA-25-8-16  
 TVD Reference: QA-25-8-16 @ 5455.0ft (RIG #1)  
 MD Reference: QA-25-8-16 @ 5455.0ft (RIG #1)  
 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)
4,532.0	12.00	133.50	4,453.6	-455.4	603.8	756.1	1.72	-1.70	1.17
4,626.0	12.40	130.00	4,545.4	-468.6	618.6	775.9	0.89	0.43	-3.72
4,720.0	12.00	128.70	4,637.3	-481.2	633.9	795.7	0.52	-0.43	-1.38
4,813.0	12.10	128.60	4,728.3	-493.4	649.1	815.1	0.11	0.11	-0.11
4,907.0	12.80	125.80	4,820.0	-505.6	665.2	835.4	0.98	0.74	-2.98
5,001.0	12.50	124.30	4,911.8	-517.4	682.1	855.9	0.47	-0.32	-1.60
5,094.0	12.40	126.10	5,002.6	-529.0	698.5	876.0	0.43	-0.11	1.94
5,188.0	12.20	125.10	5,094.4	-540.6	714.8	896.0	0.31	-0.21	-1.06
5,282.0	12.00	125.20	5,186.3	-552.0	730.9	915.7	0.21	-0.21	0.11
5,376.0	12.10	127.50	5,278.3	-563.6	746.7	935.3	0.52	0.11	2.45
5,395.3	12.08	127.44	5,297.1	-566.1	749.9	939.4	0.13	-0.11	-0.32
<b>QA-25-8-16 TGT</b>									
5,469.0	12.00	127.20	5,369.2	-575.4	762.1	954.7	0.13	-0.11	-0.32
5,563.0	11.90	126.00	5,461.2	-587.0	777.7	974.2	0.28	-0.11	-1.28
5,656.0	11.20	126.80	5,552.3	-598.0	792.7	992.8	0.77	-0.75	0.86
5,750.0	12.50	127.80	5,644.3	-609.7	808.1	1,012.1	1.40	1.38	1.06
5,844.0	12.20	133.20	5,736.1	-622.8	823.3	1,032.1	1.27	-0.32	5.74
5,938.0	11.70	131.20	5,828.1	-635.8	837.8	1,051.5	0.69	-0.53	-2.13
6,031.0	10.30	136.20	5,919.4	-648.1	850.6	1,069.1	1.82	-1.51	5.38
6,125.0	9.60	142.50	6,012.0	-660.3	861.2	1,084.8	1.38	-0.74	6.70
6,221.0	8.70	147.80	6,106.7	-672.8	869.9	1,099.3	1.28	-0.94	5.52
6,314.0	7.80	152.10	6,198.8	-684.4	876.6	1,111.5	1.17	-0.97	4.62
6,408.0	7.60	156.10	6,291.9	-695.7	882.1	1,122.6	0.61	-0.21	4.26
6,523.0	7.00	163.20	6,406.0	-709.3	887.2	1,134.7	0.94	-0.52	6.17
6,573.0	7.00	163.50	6,455.6	-715.2	889.0	1,139.6	0.07	0.00	0.60

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

H      HEADER            INFORMATION -----  
H      COMPANY        :            NEWFIELD   EXPLORATION  
H      FIELD         :            USGS        Myton     SW        (UT)  
H      SITE          :            SECTION            25 T8S,     R16E  
H      WELL          :            QA-25-8-16  
H      WELLPATH:   Wellbore     #1  
H      DEPTHUNT:   ft  
H      SURVDATE:        4/3/2009  
H      DECLINATION CORR.  
H      =                    10.69 TO            GRIDH-----

H      WELL            INFORMATION  
H      WELL        EW        MAP        :            2039140  
H      WELL        NS        MAP        :            7203514  
H      DATUM        ELEVN        :            5455  
H      VSECT        ANGLE        :            125.97  
H      VSECT        NORTH        :            0  
H      VSECT        EAST         :            0

H-----  
H      SURVEY        TYPE            INFORMATION  
H                    384 -            6573 SURVEY   #1        :            MWD  
H-----

H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	0
	384	0.6	256.5	383.99	-0.47	-1.96	-1.31	0.16
	415	0.7	259.8	414.99	-0.54	-2.3	-1.54	0.34
	445	0.5	246.7	444.99	-0.63	-2.6	-1.74	0.8
	476	0.7	230.2	475.99	-0.8	-2.87	-1.85	0.85
	507	0.6	207.5	506.99	-1.06	-3.09	-1.88	0.88
	537	0.7	186.7	536.98	-1.39	-3.18	-1.76	0.85
	568	0.7	168.1	567.98	-1.76	-3.17	-1.53	0.73
	598	1.2	139.5	597.98	-2.18	-2.93	-1.09	2.25
	629	1.6	132.1	628.97	-2.71	-2.39	-0.34	1.41
	660	2.1	129.1	659.95	-3.36	-1.63	0.66	1.64
	691	2.5	127.1	690.93	-4.13	-0.65	1.9	1.32
	721	3.3	131.6	720.89	-5.1	0.52	3.41	2.77
	752	3.8	132.5	751.83	-6.38	1.94	5.32	1.62
	783	4.1	132.4	782.76	-7.82	3.52	7.44	0.97
	813	4.3	133.5	812.67	-9.32	5.12	9.62	0.72
	844	4.8	131.5	843.58	-10.98	6.94	12.07	1.69
	874	5.2	126.9	873.46	-12.63	8.97	14.67	1.89
	906	5.5	124	905.32	-14.36	11.4	17.66	1.26
	937	5.9	124.1	936.17	-16.08	13.95	20.73	1.29
	968	6.3	125.4	966.99	-17.96	16.65	24.03	1.37
	999	6.5	127	997.8	-20	19.44	27.48	0.86
	1031	6.9	126.3	1029.58	-22.23	22.44	31.22	1.28
	1062	7.2	127.8	1060.35	-24.52	25.47	35.02	1.14

1094	7.6	127.9	1092.08	-27.05	28.73	39.14	1.25
1156	8.4	128.4	1153.48	-32.38	35.51	47.76	1.3
1188	8.7	128.2	1185.12	-35.33	39.25	52.52	0.94
1219	9.1	127.6	1215.75	-38.28	43.03	57.31	1.32
1250	9.5	127.6	1246.34	-41.33	47	62.32	1.29
1282	10	127.2	1277.88	-44.63	51.3	67.73	1.58
1313	10.5	126.4	1308.38	-47.93	55.72	73.25	1.68
1345	11	126.2	1339.82	-51.46	60.53	79.22	1.57
1376	11.5	126	1370.23	-55.03	65.42	85.27	1.62
1408	12	125.8	1401.56	-58.85	70.7	91.78	1.57
1439	12.5	125.5	1431.85	-62.68	76.04	98.36	1.63
1533	13.3	126.5	1523.48	-75.02	93.02	119.34	0.88
1627	14.2	126.5	1614.78	-88.31	110.98	141.69	0.96
1721	14.2	126.5	1705.91	-102.02	129.51	164.74	0
1815	13.9	125.5	1797.1	-115.44	147.97	187.56	0.41
1909	13.1	124.5	1888.5	-128.03	165.94	209.5	0.89
2002	12.6	125.4	1979.17	-139.87	182.9	230.18	0.58
2096	11.7	125.1	2071.06	-151.29	199.05	249.96	0.96
2189	10.7	125.7	2162.29	-161.75	213.78	268.03	1.08
2283	10.7	128	2254.66	-172.22	227.74	285.47	0.45
2377	11.7	127.6	2346.87	-183.41	242.17	303.72	1.07
2471	12.1	127.9	2438.85	-195.27	257.5	323.1	0.43
2564	12.6	126.1	2529.69	-207.24	273.38	342.98	0.68
2658	12.5	126.7	2621.45	-219.36	289.82	363.41	0.17
2752	12	127.6	2713.31	-231.4	305.72	383.35	0.57
2846	11.6	129.1	2805.32	-243.32	320.8	402.55	0.54
2939	10.4	131.2	2896.61	-254.75	334.37	420.25	1.36
3033	10.4	132.3	2989.07	-266.05	347.03	437.13	0.21
3127	12.4	127.6	3081.21	-277.92	361.3	455.65	2.34
3221	13.4	126	3172.84	-290.48	378.11	476.63	1.13
3315	12.4	122.8	3264.46	-302.35	395.41	497.6	1.31
3409	12.7	122.5	3356.22	-313.37	412.61	517.99	0.33
3502	11.8	121.8	3447.1	-323.87	429.31	537.68	0.98
3596	12.9	125.1	3538.92	-334.97	446.06	557.76	1.39
3690	12.3	124.3	3630.66	-346.65	462.92	578.26	0.66
3783	12.4	125.4	3721.51	-358.01	479.24	598.15	0.27
3877	12.7	126.1	3813.26	-369.95	495.82	618.57	0.36
3971	12	125	3905.09	-381.64	512.17	638.68	0.79
4064	11.6	126.3	3996.12	-392.72	527.63	657.69	0.52
4158	11.4	126.9	4088.23	-403.89	542.67	676.43	0.25
4252	11.4	127.7	4180.38	-415.15	557.45	695.01	0.17
4345	12.7	129.8	4271.33	-427.32	572.58	714.39	1.47
4438	13.6	132.4	4361.89	-441.23	588.51	735.46	1.16
4532	12	133.5	4453.55	-455.41	603.76	756.13	1.72
4626	12.4	130	4545.43	-468.63	618.58	775.89	0.89
4720	12	128.7	4637.31	-481.23	633.94	795.72	0.52
4813	12.1	128.6	4728.26	-493.35	649.1	815.11	0.11

4907	12.8	125.8	4820.05	-505.59	665.24	835.36	0.98
5001	12.5	124.3	4911.77	-517.41	682.09	855.95	0.47
5094	12.4	126.1	5002.58	-528.97	698.48	875.99	0.43
5188	12.2	125.1	5094.42	-540.63	714.76	896.01	0.31
5282	12	125.2	5186.33	-551.97	730.87	915.72	0.21
5376	12.1	127.5	5278.26	-563.6	746.67	935.34	0.52
5469	12	127.2	5369.21	-575.38	762.1	954.75	0.13
5563	11.9	126	5461.18	-586.98	777.73	974.21	0.28
5656	11.2	126.8	5552.29	-598.03	792.72	992.83	0.77
5750	12.5	127.8	5644.29	-609.73	808.07	1012.12	1.4
5844	12.2	133.2	5736.12	-622.77	823.34	1032.14	1.27
5938	11.7	131.2	5828.08	-635.85	837.76	1051.49	0.69
6031	10.3	136.2	5919.37	-648.06	850.61	1069.06	1.82
6125	9.6	142.5	6011.96	-660.34	861.2	1084.85	1.38
6221	8.7	147.8	6106.74	-672.84	869.94	1099.26	1.28
6314	7.8	152.1	6198.77	-684.37	876.64	1111.46	1.17
6408	7.6	156.1	6291.93	-695.69	882.14	1122.56	0.61
6523	7	163.2	6406	-709.35	887.25	1134.72	0.94
6573	7	163.5	6455.62	-715.19	888.99	1139.56	0.07