



October 31, 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  
**Mon Butte Federal G-35-8-16**  
Monument Butte Unit  
UT080P49-8861680  
Surface Hole: T8S R16E, Section 35: SENW  
1792' FNL 1990' FWL  
Bottom Hole: T8S R16E, Section 35  
1315' FNL 1335' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 29, 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 within the boundaries of the Monument Butte Federal Unit UT080P49-8861680. Newfield certifies that it is the Monument Butte Unit Operator and all lands within 460 feet of the entire directional well bore are within the Monument Butte Unit.

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

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

Sincerely,  
NEWFIELD PRODUCTION COMPANY

*Roxann Eveland*

Roxann Eveland  
Land Associate

RECEIVED

NOV 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Monument Butte Federal G-35-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NW 1792' FNL 1990' FWL At proposed prod. zone 1315' FNL 1335' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 14.2 miles southwest of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 35, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 1315' f/lse, 1315' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 920.00	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. 1149'	19. Proposed Depth 6,470'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5566' GL	22. Approximate date work will start* 1st Date 2009	23. Estimated duration (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, must 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 must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		

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

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

(Continued on page 2)

\*(Instructions on page 2)

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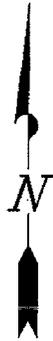
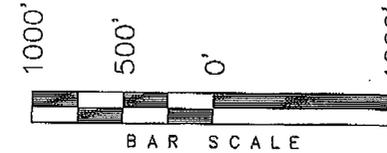
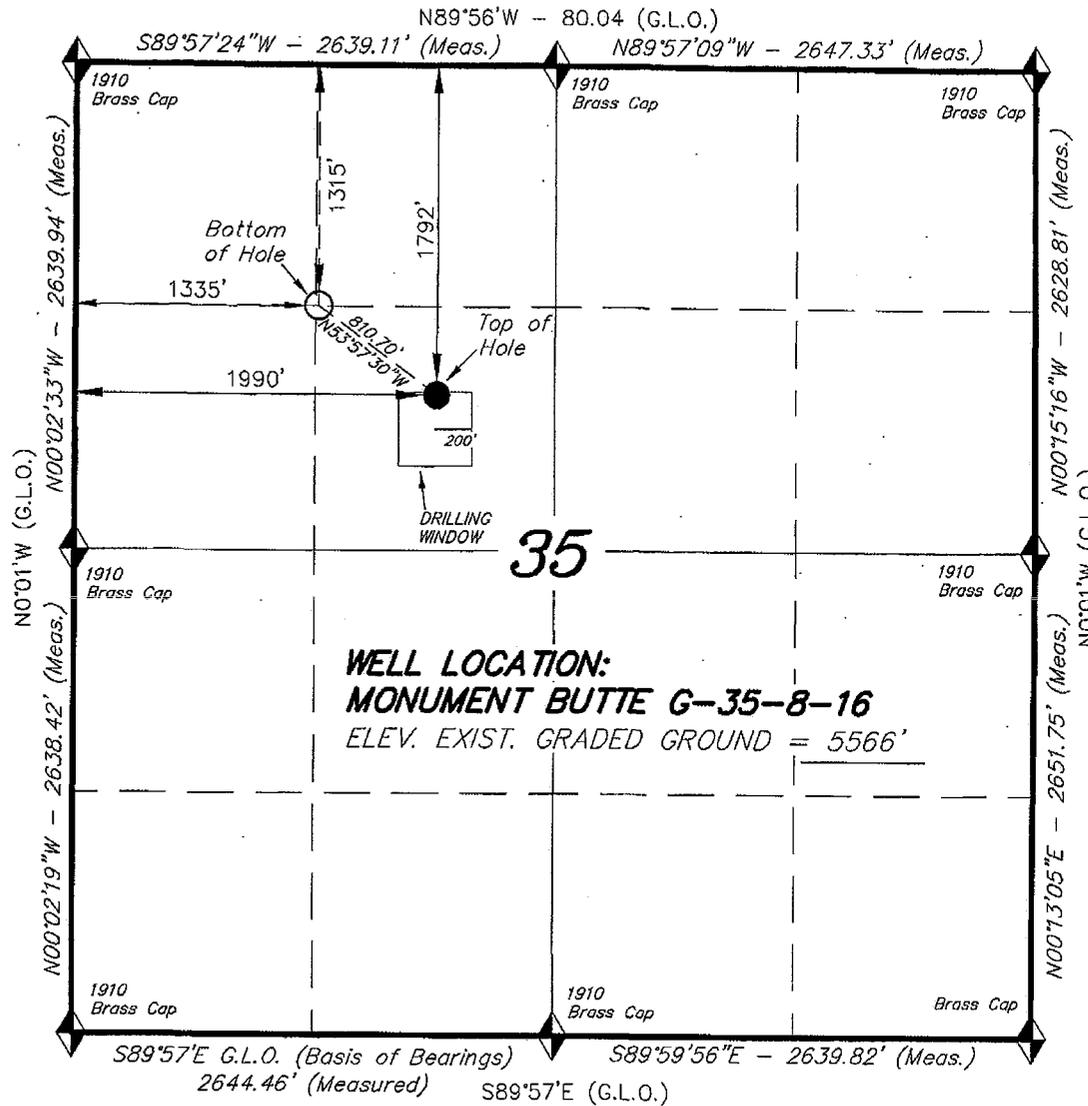
NOV 05 2008

DIV. OF OIL, GAS & MINING

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

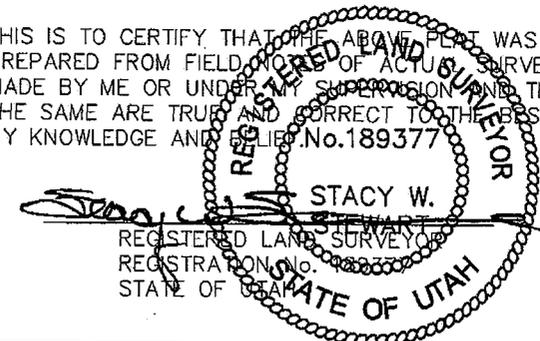
## NEWFIELD PRODUCTION COMPANY

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



**WELL LOCATION:**  
**MONUMENT BUTTE G-35-8-16**  
ELEV. EXIST. GRADED GROUND = 5566'

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



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

DATE SURVEYED: 7-7-08	SURVEYED BY: T.H.
DATE DRAWN: 07-22-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

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

**MONUMENT BUTTE G-35-8-16**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 04' 36.20"  
LONGITUDE = 110° 05' 20.36"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-16535	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Monument Butte	
8. Lease Name and Well No. Monument Butte Federal G-35-8-16	
9. API Well No. <b>43-013-34126</b>	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 35, T8S R16E
2. Name of Operator Newfield Production Company	12. County or Parish Duchesne
3a. Address Route #3 Box 3630, Myton UT 84052	13. State UT
3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NW 1792' FNL 1990' FWL At proposed prod. zone 1315' FNL 1335' FWL	
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- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 11-18-08
Title ENVIRONMENTAL MANAGER	Office	

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

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(Continued on page 2)

\*(Instructions on page 2)

Surf  
577741X  
4436457Y  
40.676687  
-110.658264

BHV  
577540X  
4436600Y  
40.077999  
-110.690601

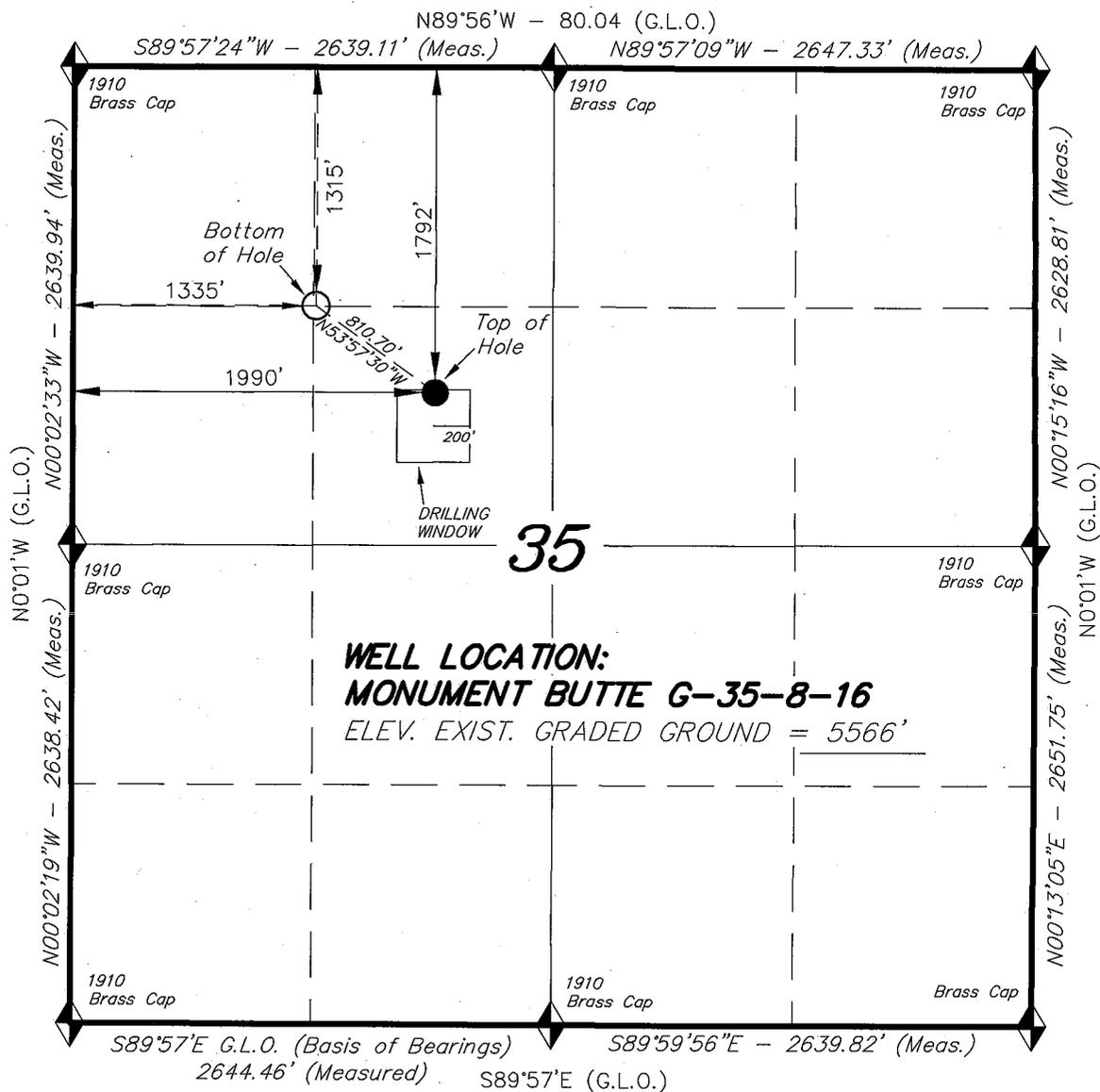
Federal Approval of this  
Action is Necessary

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NOV 10 2008  
DIV. OF OIL, GAS & MINING

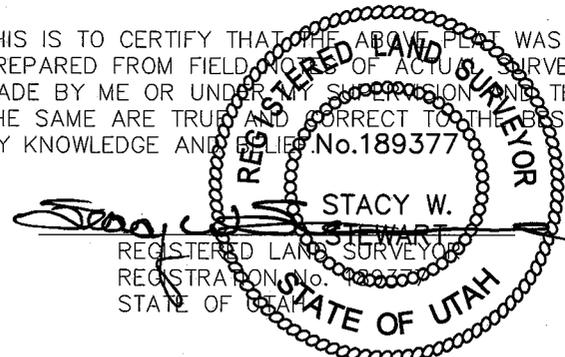
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NEWFIELD PRODUCTION COMPANY

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



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MADE BY ME OR UNDER MY SUPERVISION AND THAT  
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◆ = SECTION CORNERS LOCATED

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

**MONUMENT BUTTE G-35-8-16  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 36.20"  
LONGITUDE = 110° 05' 20.36"**

NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL G-35-8-16  
SE/NW SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1768'
Green River	1768'
Wasatch	6470'

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

Green River Formation 1768' – 6470' - 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 FEDERAL G-35-8-16  
AT SURFACE: SE/NW SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Monument Butte Federal G-35-8-16 located in the SE 1/4 NW 1/4 Section 35, 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 - 9.0 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 3.0 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.5 miles  $\pm$  to it's junction with an existing road to the northwest; proceed northwesterly - 0.3 miles  $\pm$  to the existing Federal 6-35-8-16 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 6-35-8-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the Federal 6-35-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Monument Butte Federal G-35-8-16. All permanent surface equipment will be painted Carlsbad Canyon.

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

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

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

Johnson Water District  
Water Right : 43-7478

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 Federal G-35-8-16 will be drilled off of the existing Federal 6-35-8-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 920' of disturbed area be granted in Lease UTU-16535 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 #08-253, 10/19/08. Paleontological Resource Survey prepared by, Wade E. Miller, 10/9/08. 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**

None for the proposed Monument Butte Federal G-35-8-16.

**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

**Details of the On-Site Inspection**

The proposed Monument Butte Federal G-35-8-16 was on-sited on 8/13/08. The following were present; Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Dave Gordon (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

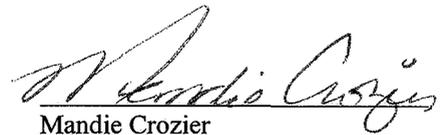
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-35-8-16 SE/NW Section 35, Township 8S, Range 16E: Lease UTU-16535 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, 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.

10/29/08

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



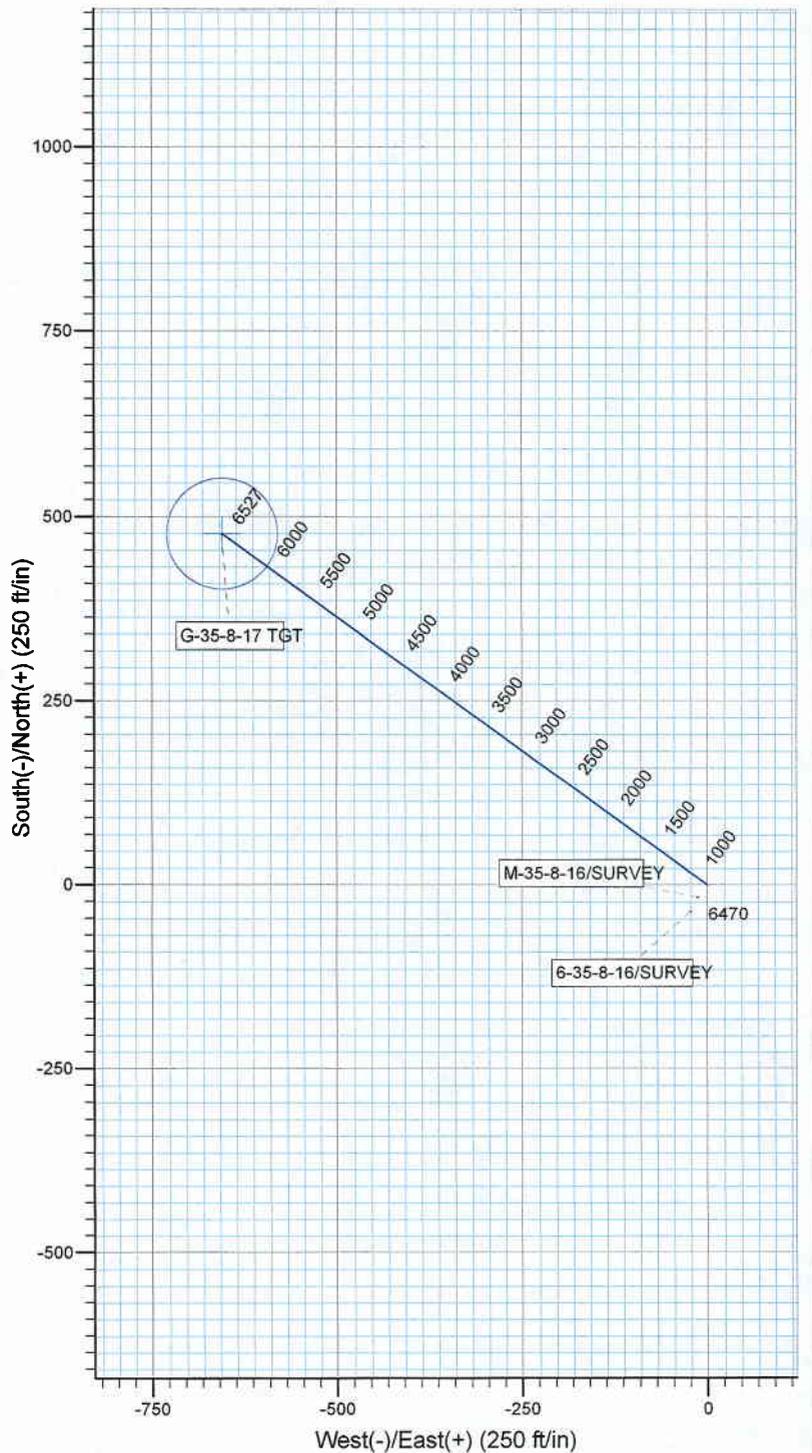
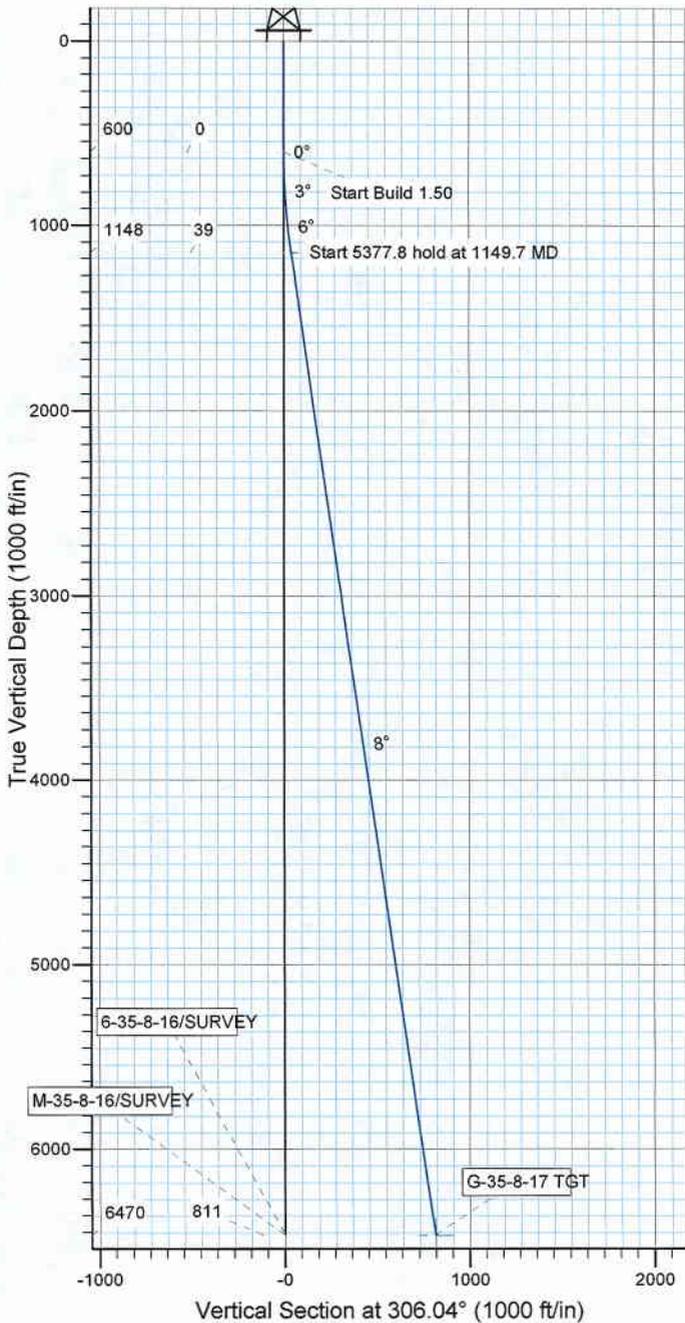
Project: USGS Myton SW (UT)  
 Site: SECTION 35  
 Well: G-35-8-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.67°

Magnetic Field  
 Strength: 52586.2snT  
 Dip Angle: 65.89°  
 Date: 8/26/2008  
 Model: IGRF200510

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100'  
 TARGET RADIUS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
G-35-8-17 TGT	6470.0	477.0	-655.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1149.7	8.25	306.04	1147.8	23.2	-31.9	1.50	306.04	39.5	
4	6527.5	8.25	306.04	6470.0	477.0	-655.5	0.00	0.00	810.7	G-35-8-17 TGT



**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 35**

**G-38-8-17**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**26 August, 2008**

**HATHAWAY HB BURNHAM**  
**DIRECTIONAL & MWD SERVICES**



# Hathaway Burnham

Planning Report



**Database:** EDM 2003.21 Single User Db  
**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** G-38-8-17  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well G-38-8-17  
**TVD Reference:** MB G-35-8-16 @ 5578.0ft  
**MD Reference:** MB G-35-8-16 @ 5578.0ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

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

<b>Site</b>	SECTION 35, SEC 35 T8S, R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,198,099.76ft	<b>Latitude:</b>	40° 4' 19.740 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,034,036.30ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	G-38-8-17, SHL LAT: 40 04 36.20, LONG: -110 05 20.36					
<b>Well Position</b>	<b>+N/-S</b>	1,665.6 ft	<b>Northing:</b>	7,199,784.29 ft	<b>Latitude:</b>	40° 4' 36.200 N
	<b>+E/-W</b>	1,224.4 ft	<b>Easting:</b>	2,035,234.19 ft	<b>Longitude:</b>	110° 5' 20.360 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,578.0 ft	<b>Ground Level:</b>	5,566.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	8/26/2008	11.67	65.89	52,586

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<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	306.04

<b>Plan Sections</b>										
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,149.7	8.25	306.04	1,147.8	23.2	-31.9	1.50	1.50	0.00	306.04	
6,527.5	8.25	306.04	6,470.0	477.0	-655.5	0.00	0.00	0.00	0.00	G-35-8-17 TGT



# Hathaway Burnham

## Planning Report



**Database:** EDM 2003.21 Single User Db  
**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** G-38-8-17  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well G-38-8-17  
**TVD Reference:** MB G-35-8-16 @ 5578.0ft  
**MD Reference:** MB G-35-8-16 @ 5578.0ft  
**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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.75	306.04	650.0	0.2	-0.3	0.3	1.50	1.50	0.00
700.0	1.50	306.04	700.0	0.8	-1.1	1.3	1.50	1.50	0.00
750.0	2.25	306.04	750.0	1.7	-2.4	2.9	1.50	1.50	0.00
800.0	3.00	306.04	799.9	3.1	-4.2	5.2	1.50	1.50	0.00
850.0	3.75	306.04	849.8	4.8	-6.6	8.2	1.50	1.50	0.00
900.0	4.50	306.04	899.7	6.9	-9.5	11.8	1.50	1.50	0.00
950.0	5.25	306.04	949.5	9.4	-13.0	16.0	1.50	1.50	0.00
1,000.0	6.00	306.04	999.3	12.3	-16.9	20.9	1.50	1.50	0.00
1,050.0	6.75	306.04	1,049.0	15.6	-21.4	26.5	1.50	1.50	0.00
1,100.0	7.50	306.04	1,098.6	19.2	-26.4	32.7	1.50	1.50	0.00
1,149.7	8.25	306.04	1,147.8	23.2	-31.9	39.5	1.50	1.50	0.00
1,150.0	8.25	306.04	1,148.1	23.3	-32.0	39.5	0.00	0.00	0.00
1,200.0	8.25	306.04	1,197.6	27.5	-37.8	46.7	0.00	0.00	0.00
1,250.0	8.25	306.04	1,247.1	31.7	-43.6	53.9	0.00	0.00	0.00
1,300.0	8.25	306.04	1,296.6	35.9	-49.4	61.0	0.00	0.00	0.00
1,350.0	8.25	306.04	1,346.0	40.1	-55.2	68.2	0.00	0.00	0.00
1,400.0	8.25	306.04	1,395.5	44.4	-61.0	75.4	0.00	0.00	0.00
1,450.0	8.25	306.04	1,445.0	48.6	-66.8	82.6	0.00	0.00	0.00
1,500.0	8.25	306.04	1,494.5	52.8	-72.5	89.7	0.00	0.00	0.00
1,550.0	8.25	306.04	1,544.0	57.0	-78.3	96.9	0.00	0.00	0.00
1,600.0	8.25	306.04	1,593.5	61.2	-84.1	104.1	0.00	0.00	0.00
1,650.0	8.25	306.04	1,642.9	65.4	-89.9	111.2	0.00	0.00	0.00
1,700.0	8.25	306.04	1,692.4	69.7	-95.7	118.4	0.00	0.00	0.00
1,750.0	8.25	306.04	1,741.9	73.9	-101.5	125.6	0.00	0.00	0.00
1,800.0	8.25	306.04	1,791.4	78.1	-107.3	132.7	0.00	0.00	0.00
1,850.0	8.25	306.04	1,840.9	82.3	-113.1	139.9	0.00	0.00	0.00
1,900.0	8.25	306.04	1,890.3	86.5	-118.9	147.1	0.00	0.00	0.00
1,950.0	8.25	306.04	1,939.8	90.8	-124.7	154.3	0.00	0.00	0.00
2,000.0	8.25	306.04	1,989.3	95.0	-130.5	161.4	0.00	0.00	0.00
2,050.0	8.25	306.04	2,038.8	99.2	-136.3	168.6	0.00	0.00	0.00
2,100.0	8.25	306.04	2,088.3	103.4	-142.1	175.8	0.00	0.00	0.00
2,150.0	8.25	306.04	2,137.8	107.6	-147.9	182.9	0.00	0.00	0.00
2,200.0	8.25	306.04	2,187.2	111.8	-153.7	190.1	0.00	0.00	0.00
2,250.0	8.25	306.04	2,236.7	116.1	-159.5	197.3	0.00	0.00	0.00
2,300.0	8.25	306.04	2,286.2	120.3	-165.3	204.4	0.00	0.00	0.00
2,350.0	8.25	306.04	2,335.7	124.5	-171.1	211.6	0.00	0.00	0.00
2,400.0	8.25	306.04	2,385.2	128.7	-176.9	218.8	0.00	0.00	0.00
2,450.0	8.25	306.04	2,434.7	132.9	-182.7	226.0	0.00	0.00	0.00
2,500.0	8.25	306.04	2,484.1	137.2	-188.5	233.1	0.00	0.00	0.00
2,550.0	8.25	306.04	2,533.6	141.4	-194.3	240.3	0.00	0.00	0.00
2,600.0	8.25	306.04	2,583.1	145.6	-200.1	247.5	0.00	0.00	0.00



# Hathaway Burnham

## Planning Report



**Database:** EDM 2003.21 Single User Db  
**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** G-38-8-17  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well G-38-8-17  
**TVD Reference:** MB G-35-8-16 @ 5578.0ft  
**MD Reference:** MB G-35-8-16 @ 5578.0ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

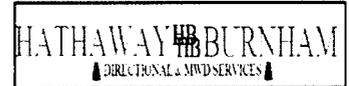
### Planned Survey

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)
2,650.0	8.25	306.04	2,632.6	149.8	-205.9	254.6	0.00	0.00	0.00
2,700.0	8.25	306.04	2,682.1	154.0	-211.7	261.8	0.00	0.00	0.00
2,750.0	8.25	306.04	2,731.6	158.3	-217.5	269.0	0.00	0.00	0.00
2,800.0	8.25	306.04	2,781.0	162.5	-223.3	276.2	0.00	0.00	0.00
2,850.0	8.25	306.04	2,830.5	166.7	-229.1	283.3	0.00	0.00	0.00
2,900.0	8.25	306.04	2,880.0	170.9	-234.9	290.5	0.00	0.00	0.00
2,950.0	8.25	306.04	2,929.5	175.1	-240.7	297.7	0.00	0.00	0.00
3,000.0	8.25	306.04	2,979.0	179.3	-246.5	304.8	0.00	0.00	0.00
3,050.0	8.25	306.04	3,028.5	183.6	-252.3	312.0	0.00	0.00	0.00
3,100.0	8.25	306.04	3,077.9	187.8	-258.1	319.2	0.00	0.00	0.00
3,150.0	8.25	306.04	3,127.4	192.0	-263.9	326.3	0.00	0.00	0.00
3,200.0	8.25	306.04	3,176.9	196.2	-269.7	333.5	0.00	0.00	0.00
3,250.0	8.25	306.04	3,226.4	200.4	-275.5	340.7	0.00	0.00	0.00
3,300.0	8.25	306.04	3,275.9	204.7	-281.3	347.9	0.00	0.00	0.00
3,350.0	8.25	306.04	3,325.4	208.9	-287.1	355.0	0.00	0.00	0.00
3,400.0	8.25	306.04	3,374.8	213.1	-292.9	362.2	0.00	0.00	0.00
3,450.0	8.25	306.04	3,424.3	217.3	-298.7	369.4	0.00	0.00	0.00
3,500.0	8.25	306.04	3,473.8	221.5	-304.5	376.5	0.00	0.00	0.00
3,550.0	8.25	306.04	3,523.3	225.8	-310.3	383.7	0.00	0.00	0.00
3,600.0	8.25	306.04	3,572.8	230.0	-316.1	390.9	0.00	0.00	0.00
3,650.0	8.25	306.04	3,622.3	234.2	-321.9	398.0	0.00	0.00	0.00
3,700.0	8.25	306.04	3,671.7	238.4	-327.7	405.2	0.00	0.00	0.00
3,750.0	8.25	306.04	3,721.2	242.6	-333.5	412.4	0.00	0.00	0.00
3,800.0	8.25	306.04	3,770.7	246.8	-339.3	419.6	0.00	0.00	0.00
3,850.0	8.25	306.04	3,820.2	251.1	-345.1	426.7	0.00	0.00	0.00
3,900.0	8.25	306.04	3,869.7	255.3	-350.9	433.9	0.00	0.00	0.00
3,950.0	8.25	306.04	3,919.2	259.5	-356.7	441.1	0.00	0.00	0.00
4,000.0	8.25	306.04	3,968.6	263.7	-362.4	448.2	0.00	0.00	0.00
4,050.0	8.25	306.04	4,018.1	267.9	-368.2	455.4	0.00	0.00	0.00
4,100.0	8.25	306.04	4,067.6	272.2	-374.0	462.6	0.00	0.00	0.00
4,150.0	8.25	306.04	4,117.1	276.4	-379.8	469.8	0.00	0.00	0.00
4,200.0	8.25	306.04	4,166.6	280.6	-385.6	476.9	0.00	0.00	0.00
4,250.0	8.25	306.04	4,216.1	284.8	-391.4	484.1	0.00	0.00	0.00
4,300.0	8.25	306.04	4,265.5	289.0	-397.2	491.3	0.00	0.00	0.00
4,350.0	8.25	306.04	4,315.0	293.3	-403.0	498.4	0.00	0.00	0.00
4,400.0	8.25	306.04	4,364.5	297.5	-408.8	505.6	0.00	0.00	0.00
4,450.0	8.25	306.04	4,414.0	301.7	-414.6	512.8	0.00	0.00	0.00
4,500.0	8.25	306.04	4,463.5	305.9	-420.4	519.9	0.00	0.00	0.00
4,550.0	8.25	306.04	4,513.0	310.1	-426.2	527.1	0.00	0.00	0.00
4,600.0	8.25	306.04	4,562.4	314.3	-432.0	534.3	0.00	0.00	0.00
4,650.0	8.25	306.04	4,611.9	318.6	-437.8	541.5	0.00	0.00	0.00
4,700.0	8.25	306.04	4,661.4	322.8	-443.6	548.6	0.00	0.00	0.00
4,750.0	8.25	306.04	4,710.9	327.0	-449.4	555.8	0.00	0.00	0.00
4,800.0	8.25	306.04	4,760.4	331.2	-455.2	563.0	0.00	0.00	0.00
4,850.0	8.25	306.04	4,809.9	335.4	-461.0	570.1	0.00	0.00	0.00
4,900.0	8.25	306.04	4,859.3	339.7	-466.8	577.3	0.00	0.00	0.00
4,950.0	8.25	306.04	4,908.8	343.9	-472.6	584.5	0.00	0.00	0.00
5,000.0	8.25	306.04	4,958.3	348.1	-478.4	591.6	0.00	0.00	0.00
5,050.0	8.25	306.04	5,007.8	352.3	-484.2	598.8	0.00	0.00	0.00
5,100.0	8.25	306.04	5,057.3	356.5	-490.0	606.0	0.00	0.00	0.00
5,150.0	8.25	306.04	5,106.8	360.8	-495.8	613.2	0.00	0.00	0.00
5,200.0	8.25	306.04	5,156.2	365.0	-501.6	620.3	0.00	0.00	0.00
5,250.0	8.25	306.04	5,205.7	369.2	-507.4	627.5	0.00	0.00	0.00
5,300.0	8.25	306.04	5,255.2	373.4	-513.2	634.7	0.00	0.00	0.00



# Hathaway Burnham

Planning Report



**Database:** EDM 2003.21 Single User Db  
**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35  
**Well:** G-38-8-17  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well G-38-8-17  
**TVD Reference:** MB G-35-8-16 @ 5578.0ft  
**MD Reference:** MB G-35-8-16 @ 5578.0ft  
**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)
5,350.0	8.25	306.04	5,304.7	377.6	-519.0	641.8	0.00	0.00	0.00
5,400.0	8.25	306.04	5,354.2	381.8	-524.8	649.0	0.00	0.00	0.00
5,450.0	8.25	306.04	5,403.7	386.1	-530.6	656.2	0.00	0.00	0.00
5,500.0	8.25	306.04	5,453.1	390.3	-536.4	663.4	0.00	0.00	0.00
5,550.0	8.25	306.04	5,502.6	394.5	-542.2	670.5	0.00	0.00	0.00
5,600.0	8.25	306.04	5,552.1	398.7	-548.0	677.7	0.00	0.00	0.00
5,650.0	8.25	306.04	5,601.6	402.9	-553.8	684.9	0.00	0.00	0.00
5,700.0	8.25	306.04	5,651.1	407.2	-559.6	692.0	0.00	0.00	0.00
5,750.0	8.25	306.04	5,700.6	411.4	-565.4	699.2	0.00	0.00	0.00
5,800.0	8.25	306.04	5,750.0	415.6	-571.2	706.4	0.00	0.00	0.00
5,850.0	8.25	306.04	5,799.5	419.8	-577.0	713.5	0.00	0.00	0.00
5,900.0	8.25	306.04	5,849.0	424.0	-582.8	720.7	0.00	0.00	0.00
5,950.0	8.25	306.04	5,898.5	428.3	-588.6	727.9	0.00	0.00	0.00
6,000.0	8.25	306.04	5,948.0	432.5	-594.4	735.1	0.00	0.00	0.00
6,050.0	8.25	306.04	5,997.5	436.7	-600.2	742.2	0.00	0.00	0.00
6,100.0	8.25	306.04	6,046.9	440.9	-606.0	749.4	0.00	0.00	0.00
6,150.0	8.25	306.04	6,096.4	445.1	-611.8	756.6	0.00	0.00	0.00
6,200.0	8.25	306.04	6,145.9	449.3	-617.6	763.7	0.00	0.00	0.00
6,250.0	8.25	306.04	6,195.4	453.6	-623.4	770.9	0.00	0.00	0.00
6,300.0	8.25	306.04	6,244.9	457.8	-629.2	778.1	0.00	0.00	0.00
6,350.0	8.25	306.04	6,294.4	462.0	-635.0	785.2	0.00	0.00	0.00
6,400.0	8.25	306.04	6,343.8	466.2	-640.8	792.4	0.00	0.00	0.00
6,450.0	8.25	306.04	6,393.3	470.4	-646.6	799.6	0.00	0.00	0.00
6,500.0	8.25	306.04	6,442.8	474.7	-652.4	806.8	0.00	0.00	0.00
6,527.5	8.25	306.04	6,470.0	477.0	-655.5	810.7	0.00	0.00	0.00

**G-35-8-17 TGT**

# NEWFIELD PRODUCTION COMPANY

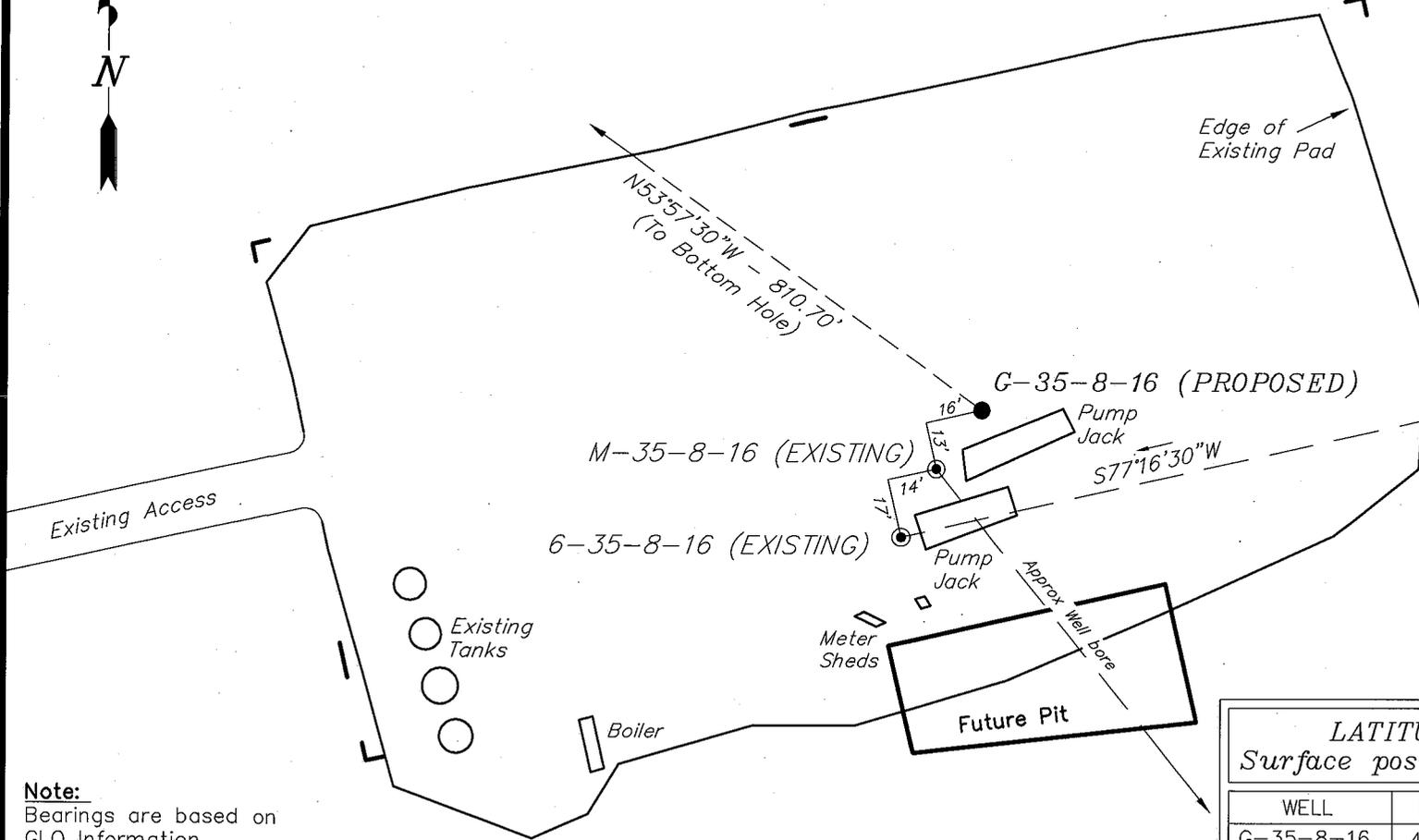
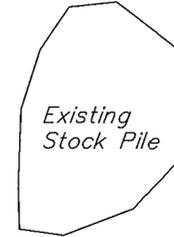
## WELL PAD INTERFERENCE PLAT

MONUMENT BUTTE G-35-8-16 (Proposed Well)

MONUMENT BUTTE M-35-8-16 (Existing Well)

MONUMENT BUTTE 6-35-8-16 (Existing Well)

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



**TOP HOLE FOOTAGES**  
 G-35-8-16 (PROPOSED)  
 1792' FNL & 1990' FWL

**BOTTOM HOLE FOOTAGES**  
 G-35-8-16 (PROPOSED)  
 1315' FNL & 1335' FWL

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

**RELATIVE COORDINATES**  
 From top hole to bottom hole

WELL	NORTH	EAST
G-35-8-16	477'	-656'

LATITUDE & LONGITUDE		
Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
G-35-8-16	40° 04' 36.20"	110° 05' 20.36"
M-35-8-16	40° 04' 36.03"	110° 05' 20.52"
6-35-8-16	40° 04' 35.84"	110° 05' 20.65"

SURVEYED BY: T.H.      DATE SURVEYED: 7-7-08  
 DRAWN BY: F.T.M.      DATE DRAWN: 07-22-08  
 SCALE: 1" = 50'      REVISED:

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

# NEWFIELD PRODUCTION COMPANY

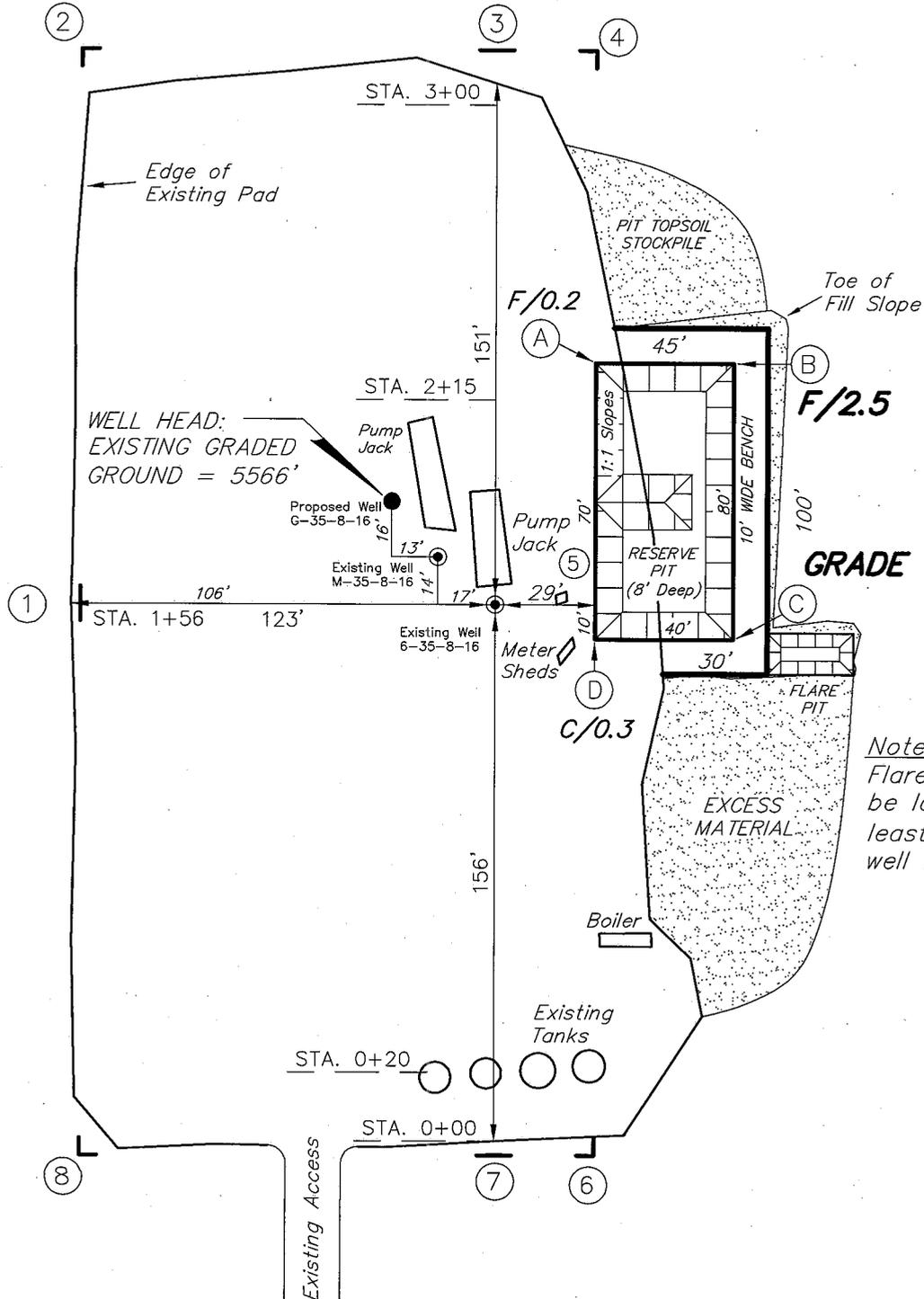
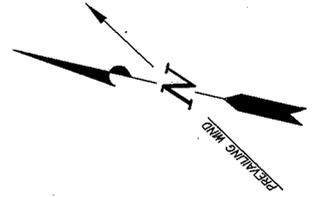
MONUMENT BUTTE G-35-8-16 (Proposed Well)

MONUMENT BUTTE M-35-8-16 (Existing Well)

MONUMENT BUTTE 6-35-8-16 (Existing Well)

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

Existing Stock Pile



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

SURVEYED BY: T.H.	DATE SURVEYED: 7-7-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-22-08
SCALE: 1" = 50'	REVISED:

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

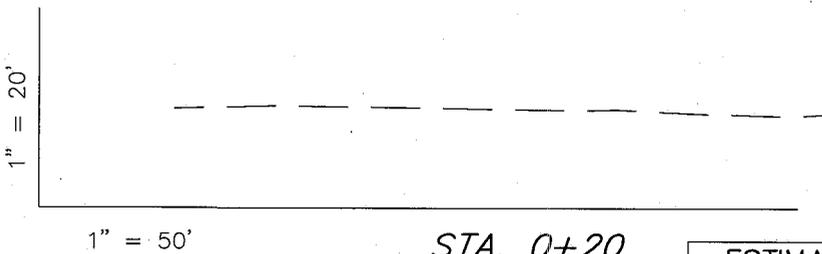
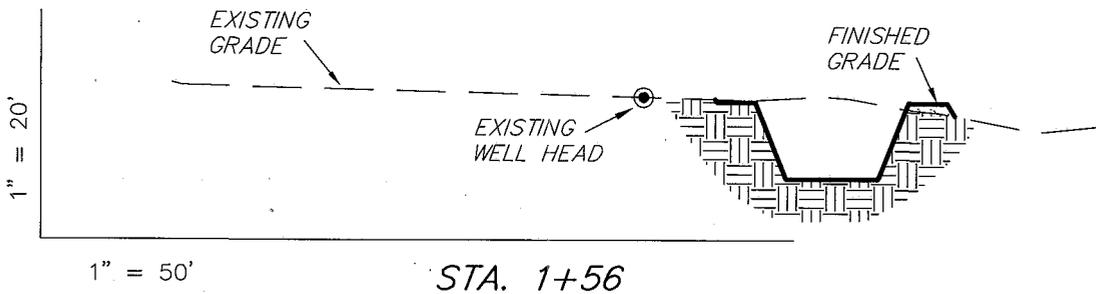
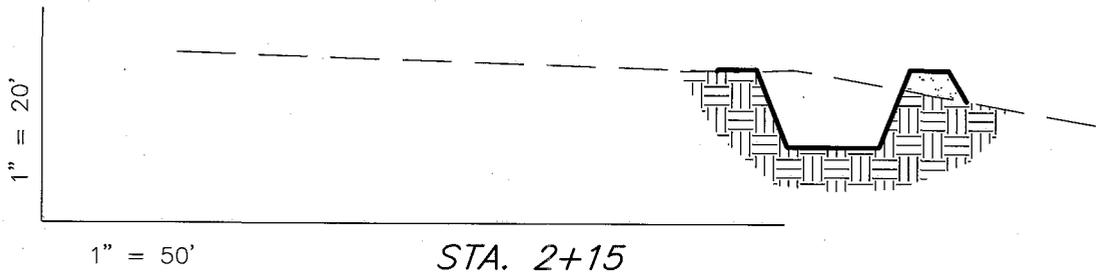
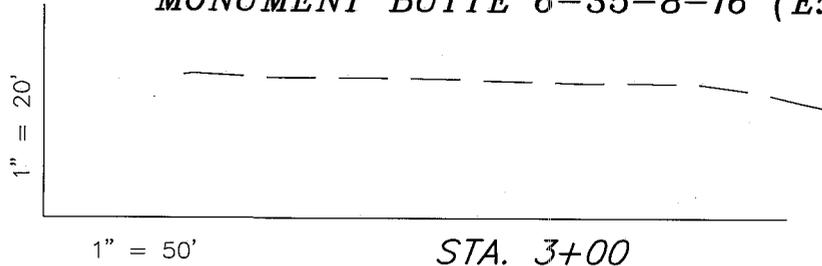
# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

MONUMENT BUTTE G-35-8-16 (Proposed Well)

MONUMENT BUTTE M-35-8-16 (Existing Well)

MONUMENT BUTTE 6-35-8-16 (Existing Well)



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	120	120	Topsoil is not included in Pad Cut	0
PIT	500	0		500
TOTALS	620	120	130	500

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

SURVEYED BY: T.H.	DATE SURVEYED: 7-7-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-22-08
SCALE: 1" = 50'	REVISED:

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

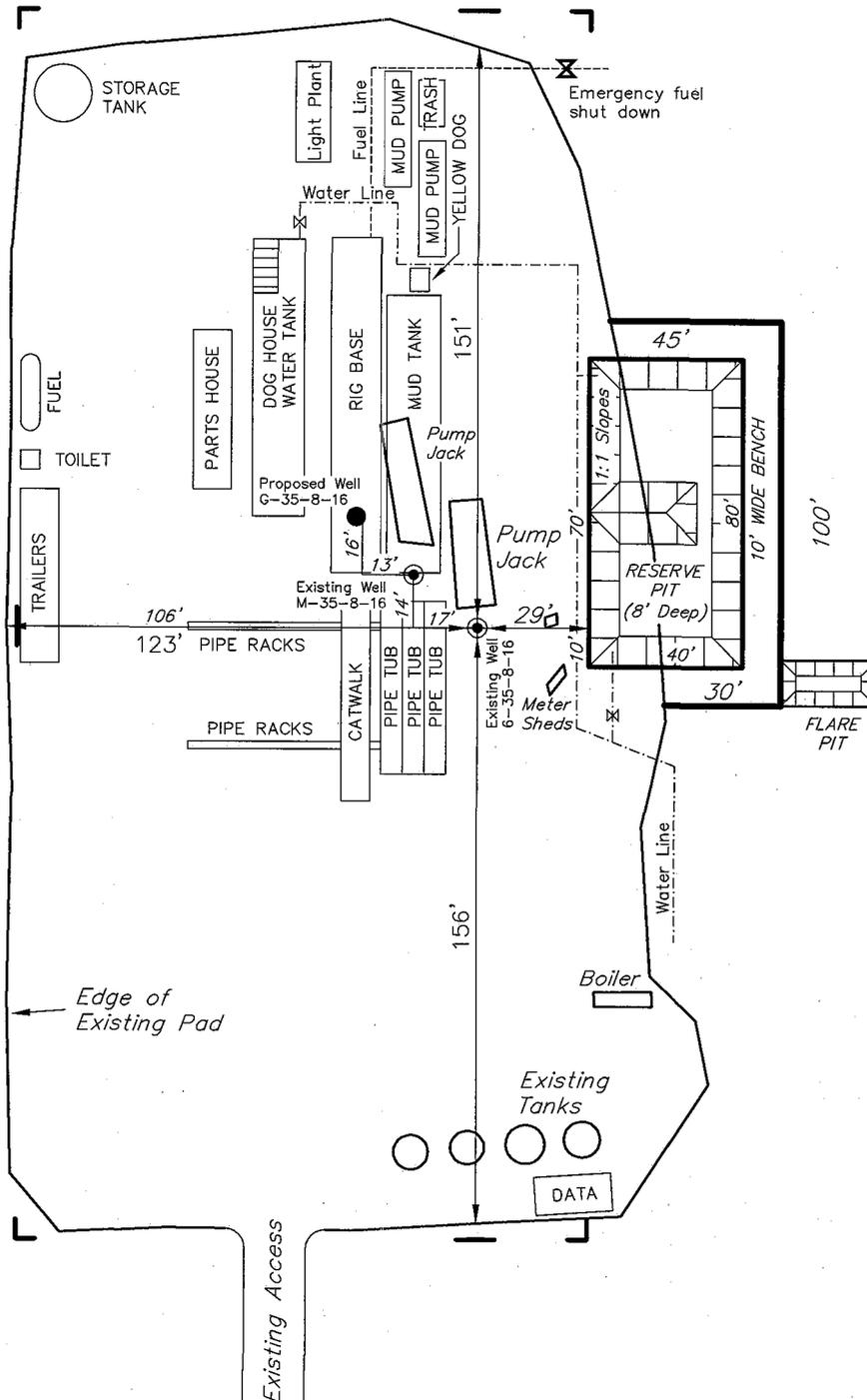
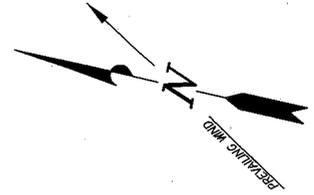
# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

MONUMENT BUTTE G-35-8-16 (Proposed Well)

MONUMENT BUTTE M-35-8-16 (Existing Well)

MONUMENT BUTTE 6-35-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 7-7-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-22-08
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

Monument Butte Federal G-35-8-16

From the 6-35-8-16 Location

SE/NW Sec. 35 T8S, R16E

Duchesne County, Utah

UTU-16535

## Legend

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

### Production Phase:

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

### Sales Phase:

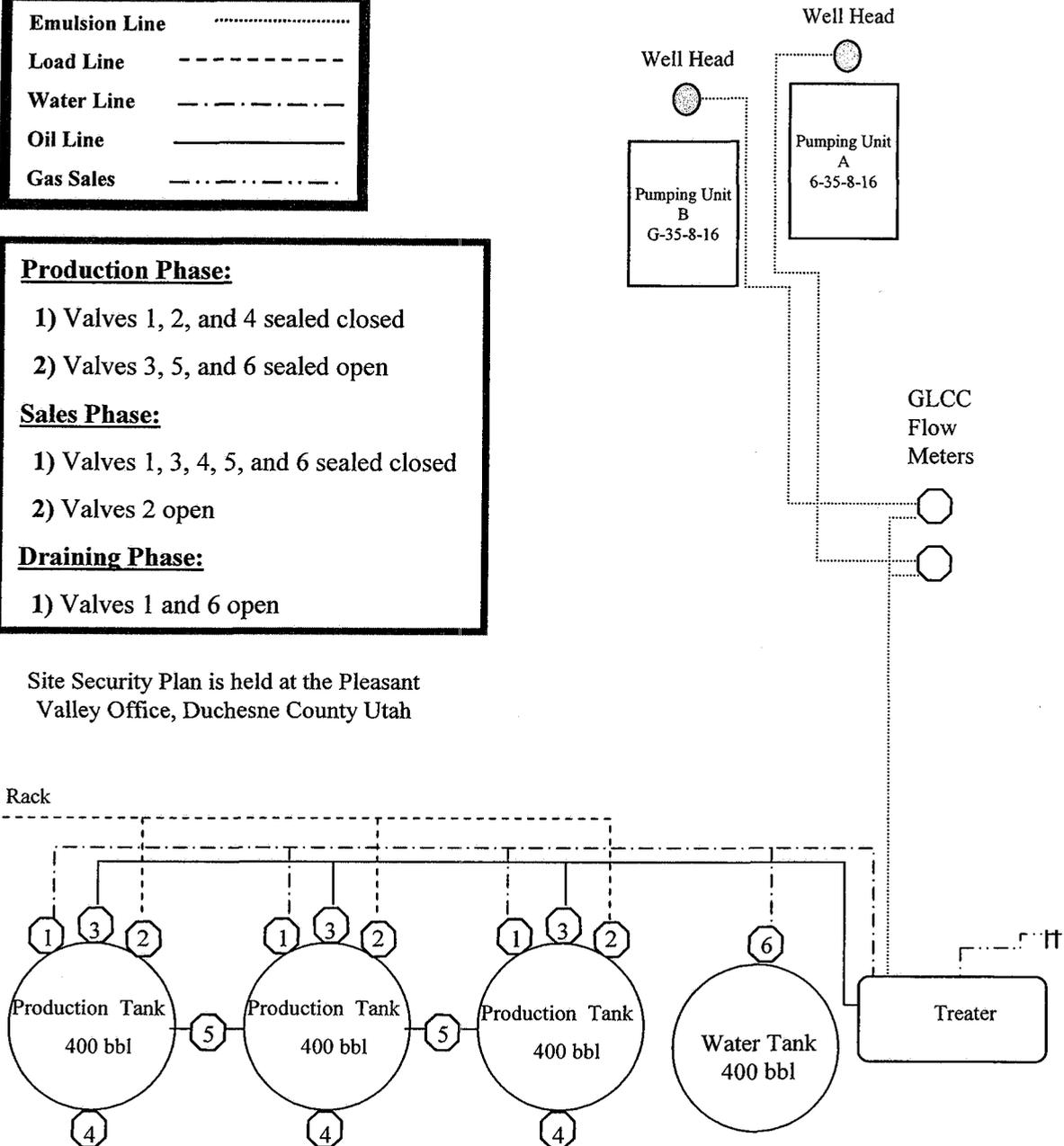
- 1) Valves 1, 3, 4, 5, and 6 sealed closed
- 2) Valves 2 open

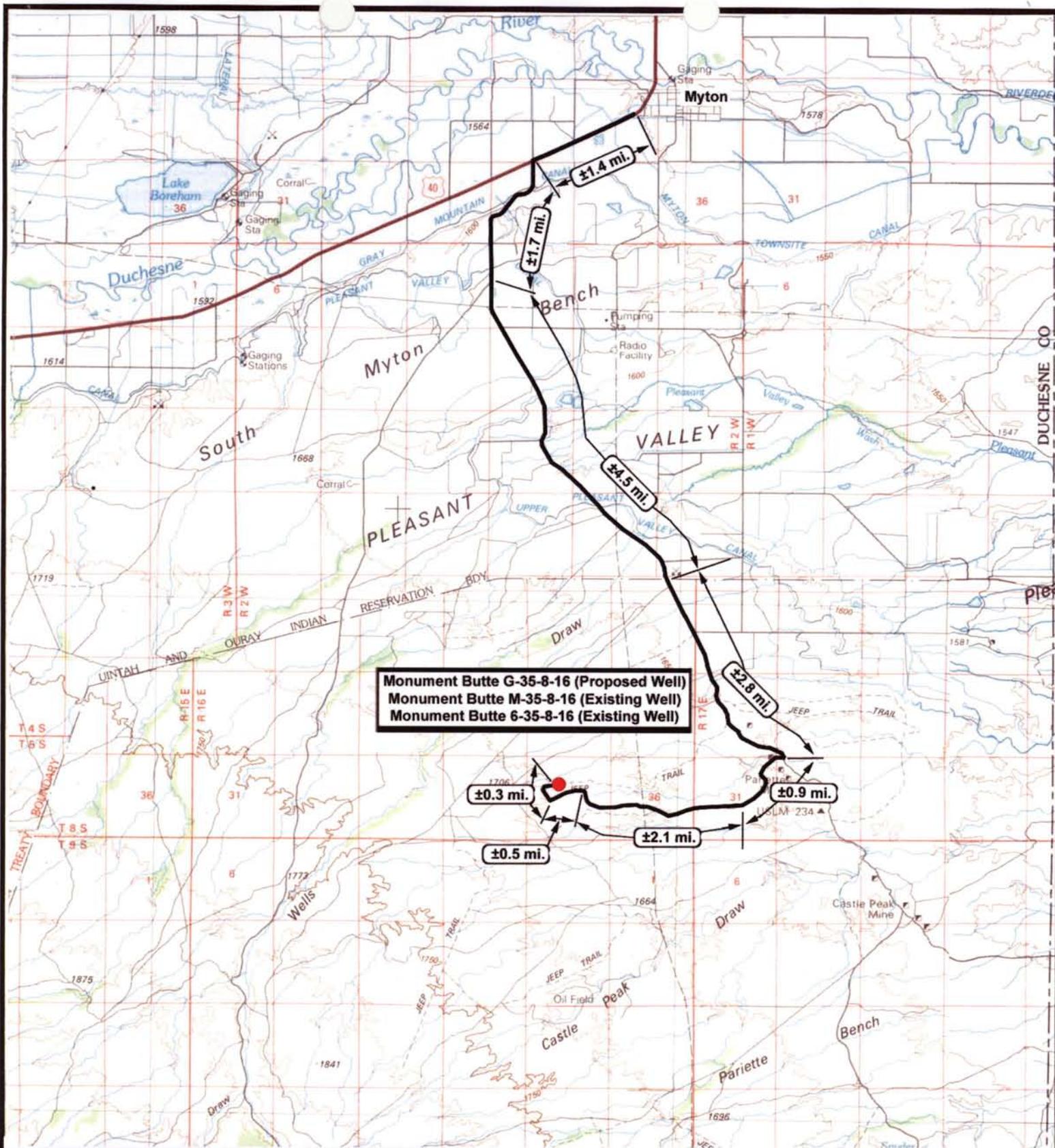
### Draining Phase:

- 1) Valves 1 and 6 open

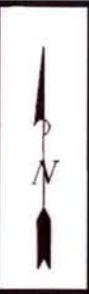
Site Security Plan is held at the Pleasant Valley Office, Duchesne County Utah

Load Rack





**Monument Butte G-35-8-16 (Proposed Well)**  
**Monument Butte M-35-8-16 (Existing Well)**  
**Monument Butte 6-35-8-16 (Existing Well)**  
**Pad Location SENW Sec 35, T8S, R16E, S.L.B.&M.**



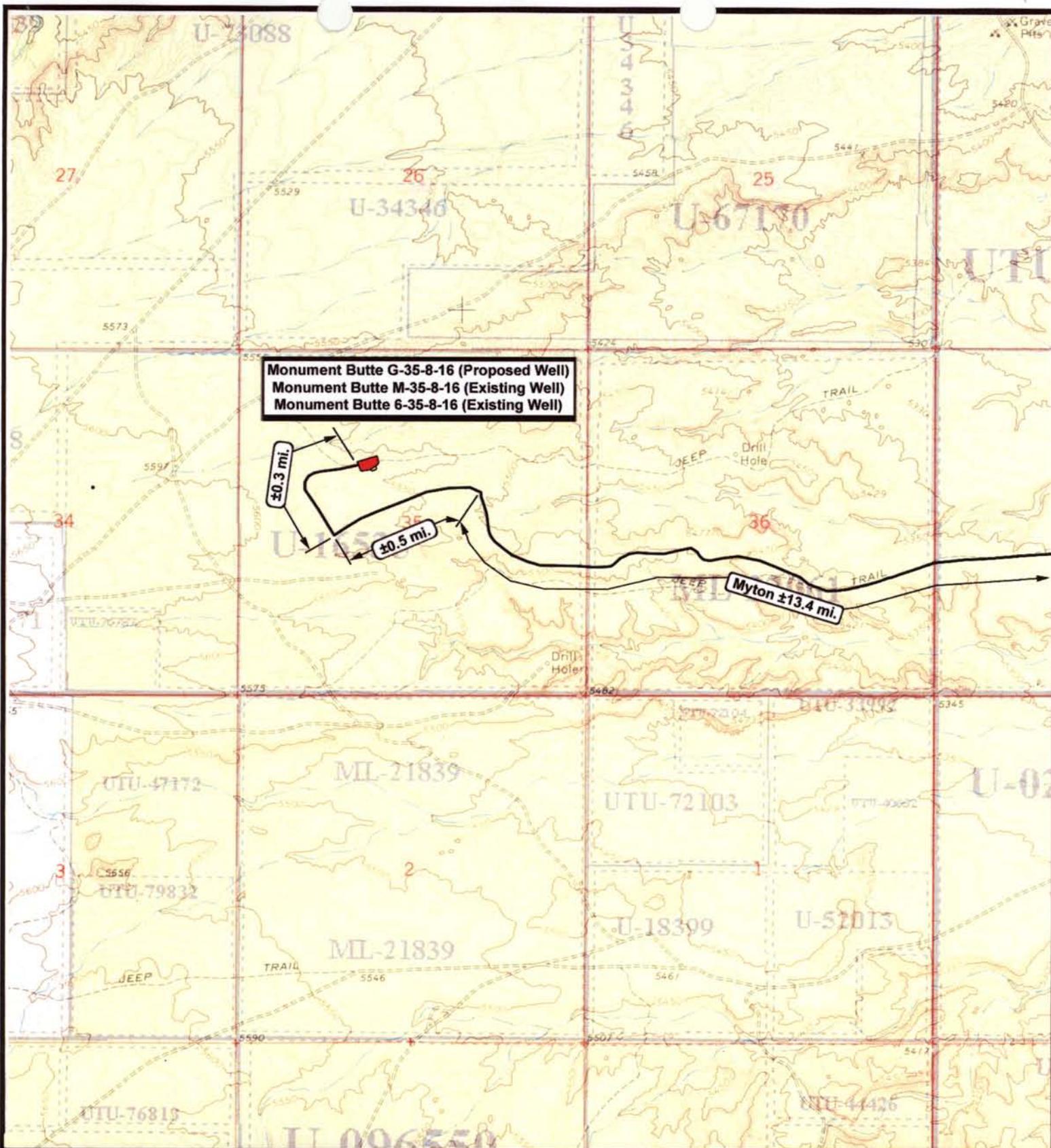
  
**Tri-State**  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: JAS  
 DATE: 07-29-2008

**Legend**

 Existing Road

TOPOGRAPHIC MAP  
**"A"**



Monument Butte G-35-8-16 (Proposed Well)  
 Monument Butte M-35-8-16 (Existing Well)  
 Monument Butte 6-35-8-16 (Existing Well)



**NEWFIELD**  
Exploration Company

**Monument Butte G-35-8-16 (Proposed Well)**  
**Monument Butte M-35-8-16 (Existing Well)**  
**Monument Butte 6-35-8-16 (Existing Well)**  
**Pad Location SENW Sec 35, T8S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
 DRAWN BY: JAS  
 DATE: 07-29-2008

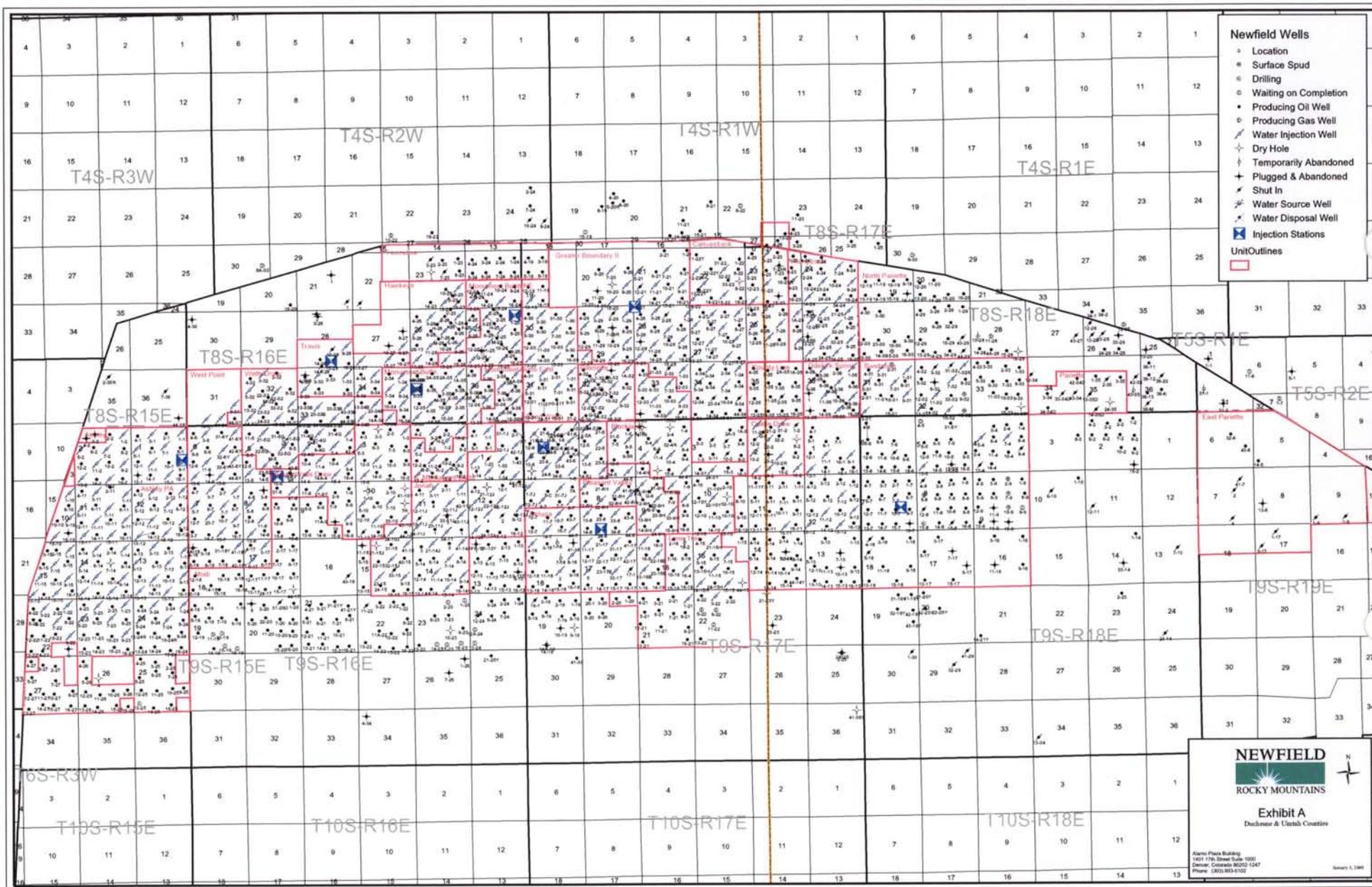
**Legend**

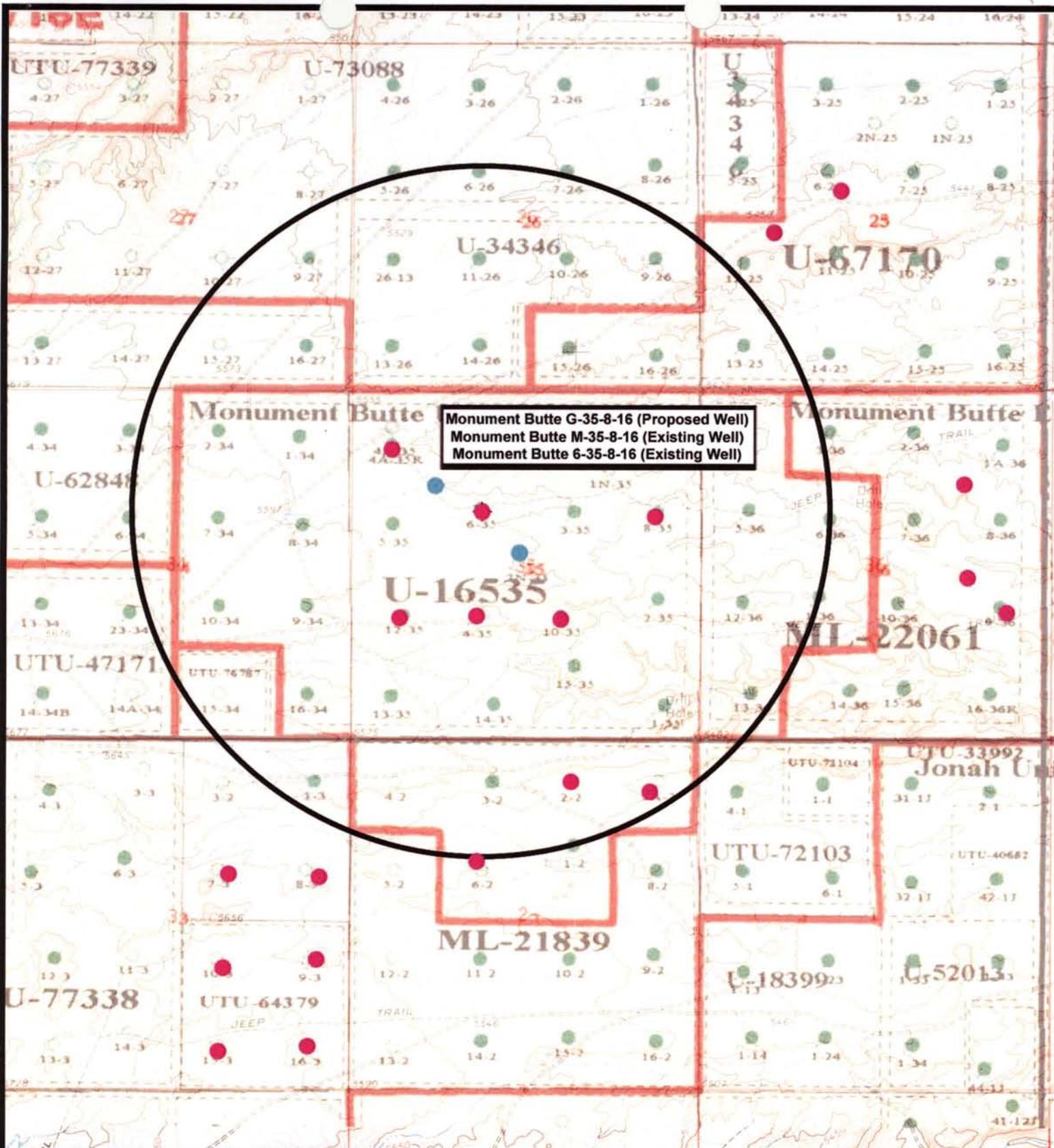
Existing Road

**TOPOGRAPHIC MAP**

**"B"**








**NEWFIELD**  
Exploration Company

**Monument Butte G-35-8-16 (Proposed Well)**  
**Monument Butte M-35-8-16 (Existing Well)**  
**Monument Butte 6-35-8-16 (Existing Well)**  
**Pad Location SENW Sec 35, T8S, R16E, S.L.B.&M.**




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

**SCALE: 1" = 2,000'**  
**DRAWN BY: JAS**  
**DATE: 07-29-2008**

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

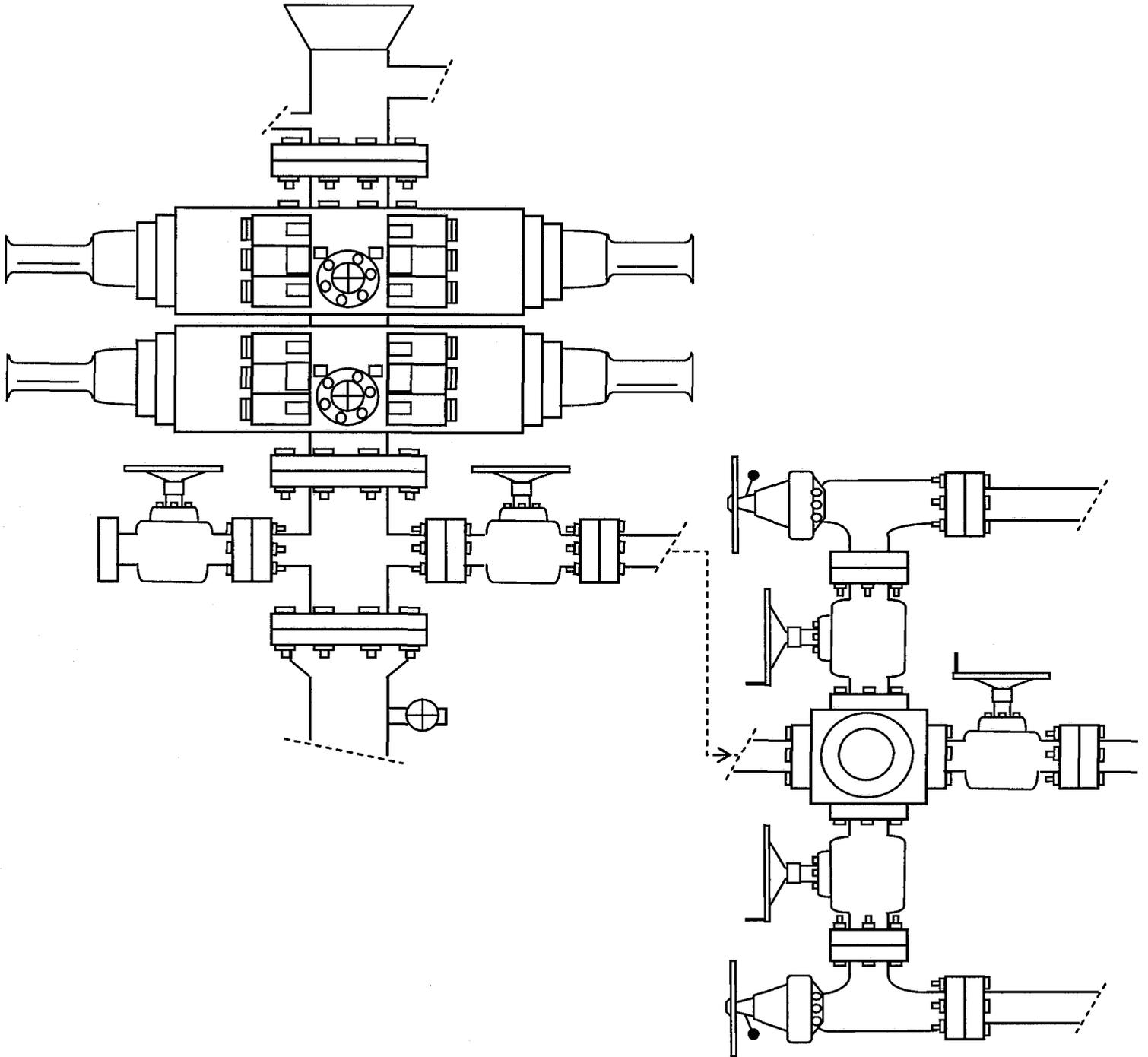


EXHIBIT C

Exhibit "D"  
1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S PROPOSED MONUMENT  
BUTTE #10-34-8-16 AND #6-35-8-16 WATERLINES  
(T8S, R16E, SECTIONS 34 AND 35)  
DUCHESNE COUNTY, UTAH

By:

Patricia Stavish

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-253

October 19, 2008

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

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-0885b

282

**NEWFIELD EXPLORATION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
HIGH PRESSURE GAS PIPELINE  
NW 1/4, Sec. 31, T 8 S, R 18 E, to SW 1/4, Sec. 28, T 8 S, R 18 E  
(3-31-8-18 to 13 & 14-28-8-18)**

**AND  
ONE 40 ACRE PARCEL  
SW 1/4, SW 1/4, Sec. 21, T 8 S, R 18 E  
(13-21-8-18)**

**AND  
WATER PIPELINE TIE-INS  
NE 1/4, NW 1/4, Sec. 33, T 8 S, R 17 E (2-33-8-17); NE 1/4, SW 1/4, Sec. 3, T 9 S, R 17 E  
(3-11-9-17); SW 1/4, NW 1/4, Sec. 3, T 9 S, R 17 E (5-3-9-17); NE 1/4, SE 1/4, Sec. 3, T 9 S,  
R 17 E (9-3-9-17); NE 1/4, NW 1/4, Sec. 16, T 9 S, R 17 E (16-3-9-17); SE 1/4, NW 1/4, Sec.  
35, T 8 S, R 16 E (6-35-8-16); NE 1/4, NW 1/4, Sec. 35, T 8 S, R 16 E (3A-35-8-16); NW 1/4,  
SE 1/4, Sec. 34, T 8 S, R 16 E (10-34-8-16)**

**Duchesne & Uintah Counties, Utah**

**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared by:

Wade E. Miller  
October 9, 2008

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/10/2008

API NO. ASSIGNED: 43-013-34126

WELL NAME: MB FED G-35-8-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SENW 35 080S 160E  
 SURFACE: 1792 FNL 1990 FWL  
 BOTTOM: 1315 FNL 1335 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.07669 LONGITUDE: -110.0883  
 UTM SURF EASTINGS: 577741 NORTHINGS: 4436457  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

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

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-7478 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- \_\_\_\_\_ R649-2-3.
- Unit: MONUMENT BUTTE (GR D)
- \_\_\_\_\_ R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_\_\_ R649-3-3. Exception
- Drilling Unit
- Board Cause No: 213-01(B)
- Eff Date: 10-25-08
- Siting: Suspends Plan of Siting
- R649-3-11. Directional Drill

COMMENTS:

*Sup. Separate File*

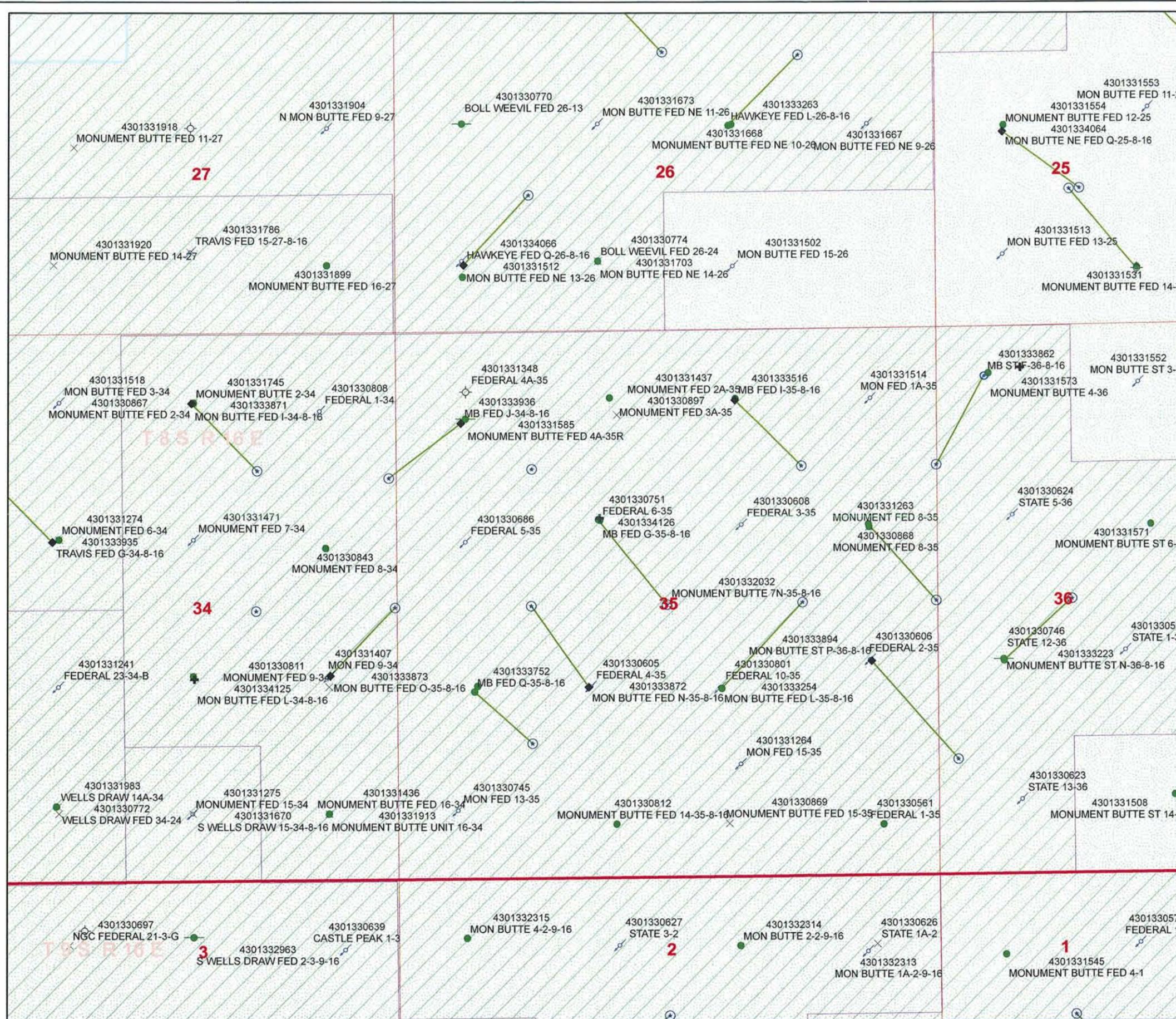
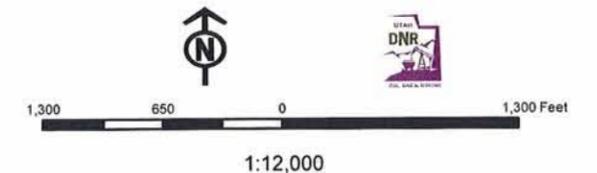
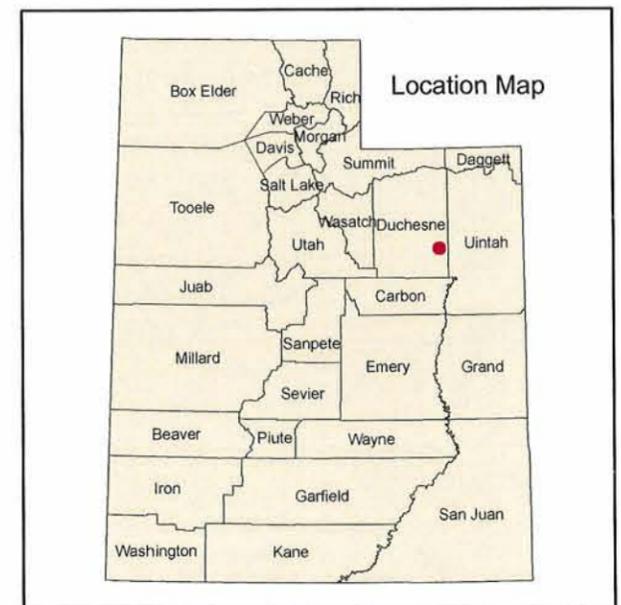
STIPULATIONS:

*1- See Appendix*

**API Number: 4301334126**  
**Well Name: MB FED G-35-8-16**  
**Township 08.0 S Range 16.0 E Section 35**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

November 12, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Monument Butte Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34125	Mon Butte Fed L-34-8-16	Sec 34 T08S R16E 1971 FSL 1956 FEL BHL Sec 34 T08S R16E 2620 FSL 1350 FEL
43-013-34126	Mon Butte Fed G-35-8-16	Sec 35 T08S R16E 1792 FNL 1990 FWL BHL Sec 35 T08S R16E 1315 FNL 1335 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:11-12-08



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

November 18, 2008

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

Re: Monument Butte Federal G-35-8-16 Well, Surface Location 1792' FNL, 1990' FWL, SE NW, Sec. 35, T. 8 South, R. 16 East, Bottom Location 1315' FNL, 1335' FWL, SE NW, Sec. 35, T. 8 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34126.

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 Federal G-35-8-16

API Number: 43-013-34126

Lease: UTU-16535

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

Bottom Location: SE NW      Sec. 35      T. 8 South      R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-16535
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  _____
	<b>7. UNIT or CA AGREEMENT NAME:</b> MONUMENT BUTTE (GR D)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MB FED G-35-8-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013341260000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1792 FNL 1990 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 35 Township: 08.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

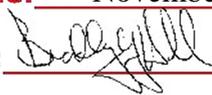
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/10/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

Newfield requests to extend the permit to drill this year for one year.

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

**Date:** November 12, 2009

**By:** 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/10/2009	



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013341260000**

**API:** 43013341260000

**Well Name:** MB FED G-35-8-16

**Location:** 1792 FNL 1990 FWL QTR SENW SEC 35 TWNP 080S RNG 160E MER S

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

**Date Original Permit Issued:** 11/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
- Has the approved source of water for drilling changed?  Yes  No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
- Is bonding still in place, which covers this proposed well?  Yes  No

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

**Signature:** Mandie Crozier

**Date:** 11/10/2009

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

**Date:** November 12, 2009

**By:** 

BLM - Vernal Field Office - <sup>Spud</sup> Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 21  
Submitted By Xabier Lasa Phone Number 435-823-6014  
Well Name/Number Monument Butte Federal G-35-8-16  
Qtr/Qtr SE/NW Section 35 Township 8S Range 16E  
Lease Serial Number UTU-16535  
API Number 43-013-34126

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

Date/Time 6-15-10 9:00 AM  PM

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

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

Date/Time 6-15-10 4:00 AM  PM

BOPE

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

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

Remarks Spud With Ross Rig #21 At 9:00 AM Run Csg @ 4:00 PM 6-15-10.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

Section 35 T8S R16E

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

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

GMBU

8. Well Name and No.

MON BUTTE G-35-8-16

9. API Well No.

4301334126

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 6/16/10 MIRU Ross # 21. Spud well @ 8:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# casing. Set @ 315.08' KB. On 6/25/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# per sk Cello Flake mixed @ 15.8 ppg with 1.17 cf/sk yield. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mitch Benson	Title Drilling Foreman
Signature <i>Mitch Benson</i>	Date 06/25/2010

**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)

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**JUL 06 2010**

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





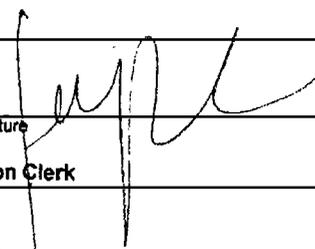
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	17689	4301350286	UTE TRIBAL 1-21-4-3	NENE	21	4S	3W	DUCHESNE	6/22/2010	7/26/10
WELL 1 COMMENTS: GRWV BHL = NENE <b>CONFIDENTIAL</b>											
<del>A</del>	<del>99999</del>	<del>[REDACTED]</del>	<del>4301350050</del>	<del>UTE TRIBAL 6-20-4-0</del>	<del>GENW</del>	<del>20</del>	<del>4S</del>	<del>3W</del>	<del>DUCHESNE</del>	<del>6/10/2010</del>	
A	99999	17691	4301350352	UTE TRIBAL 15-15-4-3	SWSE	15	4S	3W	DUCHESNE	6/26/2010	7/26/10
GRWV											
B	99999	17400	4301334126	MONUMENT BUTTE FED G-35-8-16	SENW	35	8S	16E	DUCHESNE	6/16/2010	7/26/10
GRWV BHL = SENW											
B	99999	17400	4301334149	MONUMENT BUTTE FED H-35-8-16	NENW	35	8S	16E	DUCHESNE	6/23/2010	7/26/10
WELL 5 COMMENTS: GRWV BHL = NWNE											
A	99999	17692	4301350296	STEWART 6-24-4-2	SENW	24	4S	2W	DUCHESNE	6/20/2010	7/26/10
WELL 5 COMMENTS: GRWV											

- 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 - ther (explain in comments section)

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

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 JUL 12 2010

DIV. OF OIL, GAS & MINING

Signature   
 Production Clerk Jentri Park  
 Date 07/01/10

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL:  
OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MON BUTTE G-35-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301334126

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

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1792 FNL 1990 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 35, T8S, R16E

STATE: UT

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

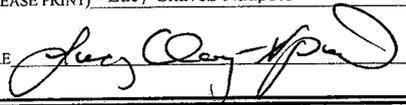
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  08/02/2010	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 08-02-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 08/03/2010

(This space for State use only)

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**AUG 11 2010**

DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**MON BUTTE G-35-8-16**

**5/1/2010 To 9/30/2010**

**7/14/2010 Day: 1**

**Completion**

Rigless on 7/14/2010 - CBL/Perferate 1st stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6455' cement top @ 54'. Perforate CP5/CP3 sds as shown in perforation report. 148 BWTR. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$12,617

**7/19/2010 Day: 2**

**Completion**

Rigless on 7/19/2010 - Frac well. Flow well back. - Stage #2; RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through (6K) frac plug & perf guns. Set plug @ 6120'. Perferate CP1 sds @ 6042-44', CP.5 sds @ 5994-6001' w/ 3-1/8" disposable guns (16 gram, .34"EH, 120°, 21"pen) w/ 3 spf for total of 27 shots. RU Bj & open well w/ 1415 psi on casing. Perfs broke down @ 1569 psi back to 1488 psi w/ 3 bbls water @ 4 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 35,368#'s of 20/40 sand in 416 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2137 @ ave rate of 36 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1850 w/ .74FG. 5 min was 1771. 10 min was 1728. 15 min was 1707. Leave pressure on well. 989 bbls EWTR. - Stage #7; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 4730'. Perferate GB6 sds @ 4620-30' w/ 3 spf for total of 30 shots. RU BJ & open well w/ 1615 psi on casing. Perfs broke down @ 1759 psi back to 1900 psi w/ 2 bbls water @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 35,640#'s of 20/40 sand in 378 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2750 @ ave rate of 36 bpm w/ 8 ppg of sand. ISIP was 2836 w/ 1.05FG. 5 min was 2056. 10 min was 1830. 15 min was 1744. 3232 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died. SIFN w/ 2932 bbls EWTR. - Stage #6; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5200'. Perferate D1 sds @ 5109-13', 5097-5104' w/ 3 spf for total of 33 shots. RU BJ & open well w/ 1565 psi on casing. Perfs broke down @ 2154 psi back to 2050 psi w/ 2 bbls water @ 3 bpm. ISIP w/ 42 bbls pumped 1844 w/ .76. 1 min was 1750. 4 min was 1696. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 59,939#'s of 20/40 sand in 546 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3061 @ ave rate of 41 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2307 w/ .89FG. 5 min was 2163. 10 min was 2046. 15 min was 1953. Leave pressure on well. 2854 bbls EWTR. - Stage #5; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5380'. Perferate C sds @ 5274-81' w/ 3 spf for total of 21 shots. Water won't gell. RU BJ & open well w/ 1535 psi on casing. Perfs broke down @ 3378 psi back to 2210 psi w/ 2 bbls water @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 18,140#'s of 20/40 sand in 327 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3073 @ ave rate of 27 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3400 w/ 1.08FG. 5 min was 2574. Leave pressure on well. 2308 bbls EWTR. - Stage #4; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5720'. Perferate A3 sds @ 5649-52', A1 sds @ 5546-50' w/ 3 spf for total of 21 shots. RU BJ & open well w/ 1720 psi on casing. Perfs broke down @ 2375 psi back to 2015 psi w/ 2 bbls water @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 18,876#'s of 20/40 sand in 338 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3410 @ ave rate of 30 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2401 w/ .86FG. 5 min was 1878. 10 min was 1792. 15 min was 1741. Leave pressure on well. 1981 bbls EWTR. - Stage #1; RU BJ Services "Ram Head" frac flange. RU Bj & open well w/ 100 psi on casing.

Perfs broke down @ 3185 psi back to 2378 psi w/ 3 bbls water @ 3 bpm. ISIP was 1725 w/ .71FG. 1 min was 1469. 4 min was 1332. Pump 6 bbls of 15% HCL acid (had 800 psi drop when hit perfs). Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 25,124#'s of 20/40 sand in 425 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2704 @ ave rate of 40 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1923 w/ .74FG. 5 min was 1820. 10 min was 1786. 15 min was 1749. Leave pressure on well. 573 bbls EWTR. - Stage #3; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5900'. Perferate LODC sds @ 5794-5800', 5783-5788' w/ 3 spf for total of 33 shots. RU Bj & open well w/ 1650 psi on casing. Perfs broke down @ 4117 psi back to 2372 psi w/ 1 bbls water @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 74,606#'s of 20/40 sand in 654 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2761 @ ave rate of 43 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2894 w/ .93FG. 5 min was 2145. 10 min was 1986. 15 min was 1939. Leave pressure on well. 1643 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$137,942

**7/20/2010 Day: 3**

**Completion**

WWS #1 on 7/20/2010 - MIRUSU. PU tbg. - MIRUSU. Open well w/ 500 psi on casing. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schefer BOP's. Tally, drift & PU TIH w/ new J-55, 2-7/8", 6.5#, 8EUE tbg to tag fill @ 4532'. RU swivel, pump & tanks. C/O to plug @ 4730'. LD 2 jts tbg. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$181,481

**7/21/2010 Day: 4**

**Completion**

WWS #1 on 7/21/2010 - Drlg out plug & C/O to PBTD. - Open well w/ 400 psi on casing. Drlg out plug @ 4730'. Continue TIH w/ tbg drlg out plugs. Tag fill @ 6356'. C/O to PBTD @ 6478'. Circulate well clean. TOOH w/ 3 jts tbg. RU swab equipment. SIFN w/ 2752 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$186,856

**7/22/2010 Day: 5**

**Completion**

WWS #1 on 7/22/2010 - Flow well for cleanup, TIH w/ tbg. PU rods. - Open well w/ 350 psi on casing. Made 1 swab run & well started flowing. Flowed 150 bbls in 1.5 hours. RD swab equipment. Pump 30 bbls down tbg. TIH w/ tbg to tag 15' of new fill. Circulate well clean. TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear, 199 jts tbg. RD BOP's. Set TA @ 6275' w/ 18,000#'s tension w/ SN @ 6309' & EOT @ 6372'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-3/4" x 17' x 24' new Cntrl Hydrlic RHAC pump w/ 224"SL, 4- 1-1/2" weight rods, 100- 7/8" (8per) guided rods. SIFN w/ 2152 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$192,203

**7/23/2010 Day: 6**

**Completion**

WWS #1 on 7/23/2010 - Continue PU rods. Hang well off. Leave down due to surface equipment. - Open well w/ 450 psi on casing. Continue TIH w/ rods. 147- 7/8" guided (8 per), 8', 4', 2' x 7/8" pony rods, 1-1/2" x 30' polish rod. Space pump. Test tbg & pump to 800 psi.

RD MOSU. Wait on surface equipment. SIFN w/ 2100 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$245,733

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**8/2/2010 Day: 7**

**Completion**

WWS #1 on 8/2/2010 - Put well on pump. - Finishd w/ construction. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$246,033

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-16535

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU

8. Lease Name and Well No.  
MONUMENT BUTTE G-35-8-16

9. API Well No.  
43-013-34126

10. Field and Pool or Exploratory  
GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area  
SEC. 35, T8S, R16E

12. County or Parish  
DUCHESNE

13. State  
UT

14. Date Spudded  
06/16/2010

15. Date T.D. Reached  
07/05/2010

16. Date Completed  
07/30/2010  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5566' GL 5578' KB

1a. Type of Well  Oil Well  Gas Well  Dry  Other

1b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
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 1792' FNL & 1990' FWL (SE/NW) SEC. 35, T8S, R16E (UTU-16535) **BHL per HSM**  
At top prod. interval reported below 1378' FNL & 1423' FWL (SE/NW) SEC. 35, T8S, R16E (UTU-16535)  
At total depth 1176' FNL & 1149' FWL (NW/NW) SEC. 35, T8S, R16E (UTU-16535)

18. Total Depth: MD 6540'  
TVD 6436' **44**

19. Plug Back T.D.: MD 6478'  
TVD **6382**

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6501'		300 PRIMLITE	54'		
						401 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@ 6372'	TA @ 6276'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6191-6331' CP3 CP5	.36"	3	30
B) Green River			5994-6044' CP.5 CP1	.34"	3	27
C) Green River			5783-5800' LODC	.34"	3	33
D) Green River			5546-5652' A1 A3	.34"	3	21

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

Depth Interval	Amount and Type of Material
6191-6331'	Frac w/ 25124#'s 20/40 sand in 154 bbls of Lightning 17 fluid.
5994-6044'	Frac w/ 35368#'s 20/40 sand in 169 bbls of Lightning 17 fluid.
5783-5800'	Frac w/ 74606#'s 20/40 sand in 337 bbls of Lightning 17 fluid.
5546-5652'	Frac w/ 18876#'s 20/40 sand in 115 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-29-10	8-15-10	24	→	66	0	25			2-1/2" x 1-3/4" x 17' x 24' RHAC Pump
Choke Size	Tbg. Press. Plvg. 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. Plvg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

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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	4047' 4261'
				GARDEN GULCH 2 POINT 3	4377' 4658'
				X MRKR Y MRKR	4907' 4938'
				DOUGALS CREEK MRK BI CARBONATE MRK	5063' 5315'
				B LIMESTON MRK CASTLE PEAK	5445' 5968'
				BASAL CARBONATE	6409"

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (C) 5274-5281', .34" 3/21 Frac w/ 18140#s of 20/40 sand in 112 bbls of Lightning 17 fluid

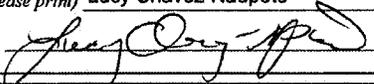
Stage 6: Green River Formation (D1) 5097-5113', .34" 3/33 Frac w/ 59939#s of 20/40 sand in 546 bbls of fluid

Stage 7: Green River Formation (GB6) 4620-4630', .34" 3/30 Frac w/ 35640#s of 20/40 sand in 169 bbls of Lightning 17 fluid

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

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

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

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant  
Signature  Date 08/11/2010

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

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 35 T8S, R 16E  
G-35-8-16**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**15 July, 2010**

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



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35 T8S, R 16E  
**Well:** G-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well G-35-8-16  
**TVD Reference:** MB G-35-8-16 @ 5578.0ft  
**MD Reference:** MB G-35-8-16 @ 5578.0ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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

<b>Site</b>	SECTION 35 T8S, R 16E, SEC 35 T8S, R16E		
<b>Site Position:</b>		<b>Northing:</b> 7,198,099.76ft	<b>Latitude:</b> 40° 4' 19.740 N
<b>From:</b> Lat/Long		<b>Easting:</b> 2,034,036.30ft	<b>Longitude:</b> 110° 5' 36.110 W
<b>Position Uncertainty:</b> 0.0 ft		<b>Slot Radius:</b> "	<b>Grid Convergence:</b> 0.90 °

<b>Well</b>	G-35-8-16, SHL LAT: 40 04 36.20, LONG: -110 05 20.36		
<b>Well Position</b>	<b>+N-S</b> 0.0 ft	<b>Northing:</b> 7,199,784.28 ft	<b>Latitude:</b> 40° 4' 36.200 N
	<b>+E-W</b> 0.0 ft	<b>Easting:</b> 2,035,234.19 ft	<b>Longitude:</b> 110° 5' 20.360 W
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b> 5,578.0 ft	<b>Ground Level:</b> 5,566.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2008/08/26	11.67	65.89	52,586

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b> 0.0			
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	306.04	

<b>Survey Program</b>	Date 2010/07/14				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
361.0	6,532.0	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
361.0	0.57	257.00	361.0	-0.4	-1.7	1.2	0.16	0.16	0.00
392.0	0.64	259.40	392.0	-0.5	-2.1	1.4	0.24	0.23	7.74
423.0	0.70	257.60	423.0	-0.5	-2.4	1.6	0.21	0.19	-5.81
453.0	0.90	262.80	453.0	-0.6	-2.8	1.9	0.71	0.67	17.33
484.0	1.00	274.00	484.0	-0.6	-3.3	2.3	0.68	0.32	36.13
514.0	1.00	289.50	514.0	-0.5	-3.9	2.8	0.90	0.00	51.67
545.0	1.10	306.90	545.0	-0.2	-4.4	3.4	1.07	0.32	56.13
575.0	1.30	314.70	575.0	0.2	-4.8	4.0	0.86	0.67	26.00
606.0	1.70	316.20	606.0	0.7	-5.4	4.8	1.30	1.29	4.84
636.0	2.10	316.90	635.9	1.5	-6.1	5.8	1.34	1.33	2.33
698.0	2.40	318.00	697.9	3.3	-7.7	8.2	0.49	0.48	1.77
728.0	2.70	318.90	727.9	4.3	-8.6	9.5	1.01	1.00	3.00



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 35 T8S, R 16E  
 Well: G-35-8-16  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well G-35-8-16  
 TVD Reference: MB G-35-8-16 @ 5578.0ft  
 MD Reference: MB G-35-8-16 @ 5578.0ft  
 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)
759.0	2.80	318.80	758.8	5.4	-9.6	10.9	0.32	0.32	-0.32
790.0	3.10	317.70	789.8	6.6	-10.6	12.5	0.98	0.97	-3.55
820.0	3.30	313.90	819.7	7.8	-11.8	14.1	0.97	0.67	-12.67
851.0	3.50	309.30	850.7	9.0	-13.2	16.0	1.09	0.65	-14.84
882.0	4.00	310.80	881.6	10.3	-14.7	18.0	1.64	1.61	4.84
913.0	4.40	312.20	912.5	11.8	-16.4	20.2	1.33	1.29	4.52
945.0	4.70	312.10	944.4	13.5	-18.3	22.8	0.94	0.94	-0.31
977.0	4.90	310.40	976.3	15.3	-20.3	25.4	0.77	0.63	-5.31
1,008.0	5.30	311.40	1,007.2	17.1	-22.4	28.2	1.32	1.29	3.23
1,040.0	5.80	311.30	1,039.0	19.1	-24.7	31.3	1.56	1.56	-0.31
1,072.0	6.50	311.30	1,070.9	21.4	-27.3	34.7	2.19	2.19	0.00
1,104.0	7.00	311.40	1,102.6	23.9	-30.1	38.4	1.56	1.56	0.31
1,136.0	7.10	311.00	1,134.4	26.4	-33.1	42.3	0.35	0.31	-1.25
1,165.0	7.30	310.50	1,163.2	28.8	-35.8	45.9	0.72	0.69	-1.72
1,199.0	7.60	309.90	1,196.9	31.7	-39.2	50.3	0.91	0.88	-1.76
1,230.0	7.90	309.00	1,227.6	34.3	-42.4	54.5	1.04	0.97	-2.90
1,262.0	8.10	309.10	1,259.3	37.1	-45.9	59.0	0.63	0.63	0.31
1,294.0	8.60	308.70	1,291.0	40.0	-49.5	63.6	1.57	1.56	-1.25
1,326.0	9.00	307.80	1,322.6	43.1	-53.4	68.5	1.32	1.25	-2.81
1,420.0	10.20	305.20	1,415.3	52.4	-66.0	84.2	1.36	1.28	-2.77
1,516.0	11.30	305.90	1,509.6	62.8	-80.5	102.1	1.15	1.15	0.73
1,611.0	12.60	306.30	1,602.5	74.4	-96.4	121.7	1.37	1.37	0.42
1,706.0	12.40	308.30	1,695.3	86.8	-112.8	142.3	0.50	-0.21	2.11
1,801.0	12.50	308.70	1,788.0	99.6	-128.8	162.8	0.14	0.11	0.42
1,895.0	12.30	306.40	1,879.8	111.9	-144.8	182.9	0.57	-0.21	-2.45
1,991.0	11.20	304.30	1,973.8	123.2	-160.7	202.5	1.23	-1.15	-2.19
2,085.0	10.30	301.90	2,066.2	132.8	-175.4	220.0	1.07	-0.96	-2.55
2,180.0	9.30	302.70	2,159.8	141.4	-189.1	236.1	1.06	-1.05	0.84
2,275.0	9.10	301.40	2,253.6	149.5	-202.0	251.3	0.30	-0.21	-1.37
2,370.0	9.40	301.70	2,347.3	157.5	-215.0	266.5	0.32	0.32	0.32
2,465.0	9.40	300.50	2,441.0	165.5	-228.3	281.9	0.21	0.00	-1.26
2,560.0	10.00	301.10	2,534.7	173.7	-242.0	297.9	0.64	0.63	0.63
2,656.0	9.30	300.10	2,629.3	181.9	-255.9	313.9	0.75	-0.73	-1.04
2,751.0	10.00	298.70	2,723.0	189.7	-269.7	329.7	0.78	0.74	-1.47
2,846.0	9.90	299.30	2,816.6	197.7	-284.1	346.0	0.15	-0.11	0.63
2,941.0	10.30	301.40	2,910.1	206.1	-298.5	362.6	0.57	0.42	2.21
3,036.0	11.40	307.10	3,003.4	216.2	-313.2	380.4	1.62	1.16	6.00
3,131.0	12.90	313.60	3,096.3	229.2	-328.4	400.3	2.13	1.58	6.84
3,227.0	13.60	313.70	3,189.7	244.3	-344.3	422.2	0.73	0.73	0.10
3,322.0	12.90	311.30	3,282.2	259.1	-360.3	443.8	0.94	-0.74	-2.53
3,417.0	12.30	309.40	3,374.9	272.5	-376.1	464.4	0.77	-0.63	-2.00
3,512.0	10.60	304.80	3,468.0	283.9	-391.1	483.3	2.03	-1.79	-4.84
3,607.0	11.00	304.80	3,561.3	294.0	-405.7	501.1	0.42	0.42	0.00
3,702.0	11.10	305.90	3,654.6	304.6	-420.6	519.3	0.25	0.11	1.16
3,798.0	10.80	304.40	3,748.8	315.1	-435.5	537.5	0.43	-0.31	-1.56
3,893.0	11.10	306.10	3,842.1	325.5	-450.2	555.6	0.46	0.32	1.79
3,988.0	11.10	308.60	3,935.3	336.6	-464.8	573.8	0.51	0.00	2.63
4,083.0	10.30	305.60	4,028.6	347.2	-478.8	591.5	1.03	-0.84	-3.16
4,178.0	10.30	305.00	4,122.1	357.1	-492.7	608.5	0.11	0.00	-0.63
4,273.0	11.40	306.50	4,215.4	367.5	-507.2	626.3	1.20	1.16	1.58
4,368.0	11.30	307.90	4,308.6	378.8	-522.1	645.0	0.31	0.31	1.47
4,464.0	12.10	309.50	4,402.6	391.0	-537.3	664.5	0.90	0.83	1.67
4,559.0	11.40	307.90	4,495.6	403.1	-552.3	683.8	0.81	-0.74	-1.68
4,654.0	11.00	306.80	4,588.8	414.3	-567.0	702.2	0.48	-0.42	-1.16



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 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)	
4,749.0	10.80	305.20	4,682.0	424.9	-581.5	720.2	0.38	-0.21	-1.68	
4,844.0	10.70	303.50	4,775.4	434.9	-596.2	737.9	0.35	-0.11	-1.79	
4,939.0	10.10	305.40	4,868.8	444.5	-610.3	755.1	0.73	-0.63	2.00	
5,034.0	10.00	309.20	4,962.4	454.6	-623.5	771.6	0.71	-0.11	4.00	
5,129.0	10.50	305.20	5,055.8	464.8	-637.0	788.5	0.92	0.53	-4.21	
5,224.0	10.90	304.80	5,149.2	474.9	-651.4	806.1	0.43	0.42	-0.42	
5,274.8	10.58	304.75	5,199.1	480.3	-659.2	815.6	0.63	-0.63	-0.10	
<b>G-35-8-17 TGT</b>										
5,319.0	10.30	304.70	5,242.6	484.9	-665.8	823.6	0.63	-0.63	-0.11	
5,414.0	10.00	301.40	5,336.1	494.0	-679.8	840.3	0.69	-0.32	-3.47	
5,509.0	10.40	308.30	5,429.6	503.6	-693.6	857.1	1.35	0.42	7.26	
5,604.0	10.20	304.40	5,523.1	513.7	-707.2	874.1	0.76	-0.21	-4.11	
5,699.0	10.60	303.70	5,616.5	523.3	-721.4	891.2	0.44	0.42	-0.74	
5,794.0	11.20	306.70	5,709.8	533.6	-736.1	909.2	0.87	0.63	3.16	
5,889.0	10.50	317.20	5,803.1	545.5	-749.4	926.9	2.20	-0.74	11.05	
5,984.0	9.90	313.50	5,896.6	557.5	-761.2	943.5	0.93	-0.63	-3.89	
6,079.0	11.10	312.40	5,990.0	569.3	-773.9	960.7	1.28	1.26	-1.16	
6,174.0	11.20	307.60	6,083.2	581.1	-787.9	979.0	0.98	0.11	-5.05	
6,269.0	11.40	303.80	6,176.4	591.9	-803.0	997.6	0.81	0.21	-4.00	
6,365.0	10.80	303.00	6,270.6	602.1	-818.5	1,016.1	0.65	-0.63	-0.83	
6,481.0	8.30	301.80	6,385.0	612.4	-834.7	1,035.3	2.16	-2.16	-1.03	
6,532.0	7.60	300.00	6,435.5	616.0	-840.8	1,042.3	1.46	-1.37	-3.53	

Wellbore Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
G-35-8-17 TGT	0.00	0.00	5,200.0	477.0	-655.5	7,200,250.86	2,034,571.21	40° 4' 40.914 N	110° 5' 28.794 W
- actual wellpath misses by 5.0ft at 5274.8ft MD (5199.1 TVD, 480.3 N, -659.2 E)									
- Circle (radius 75.0)									

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

# NEWFIELD



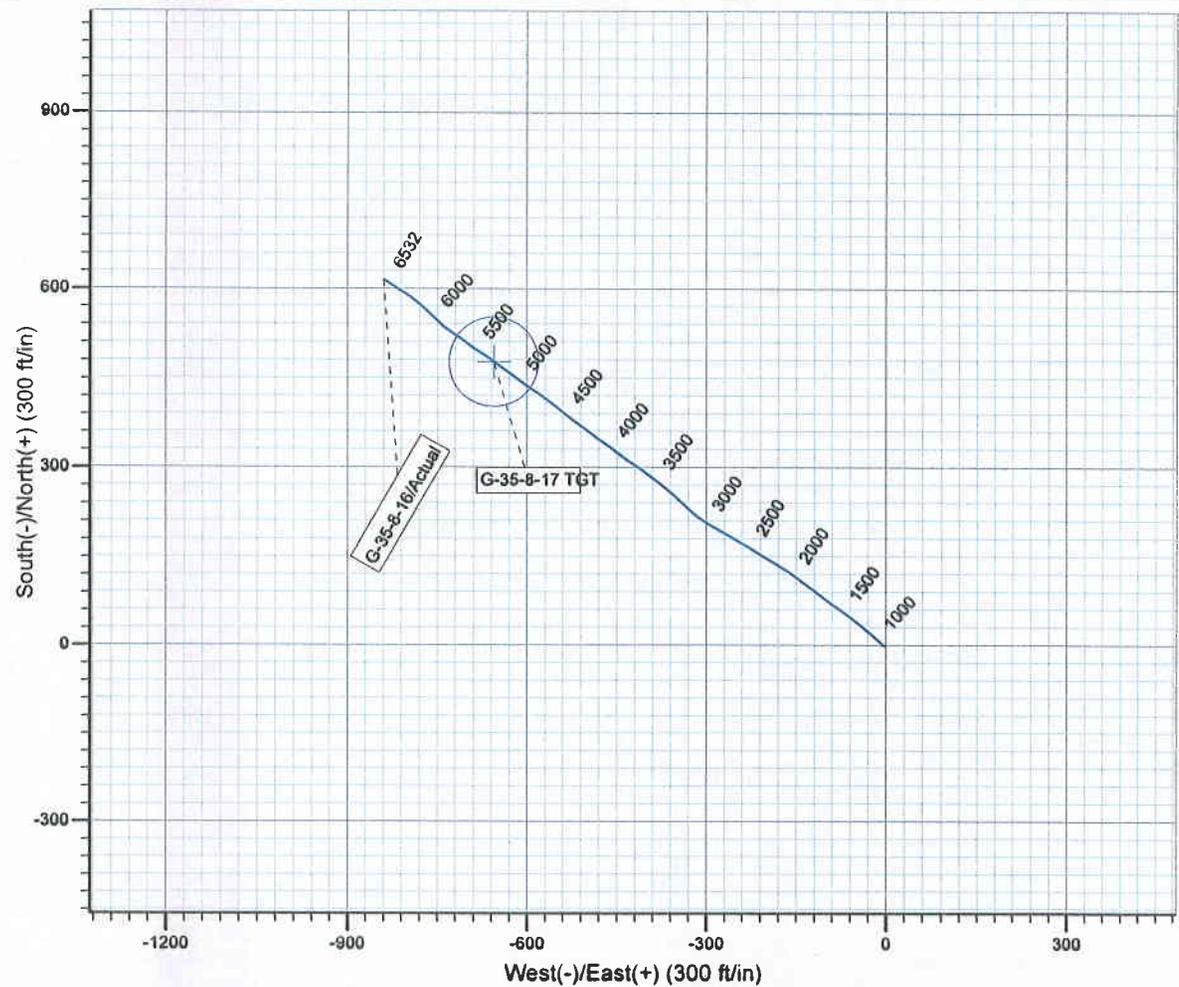
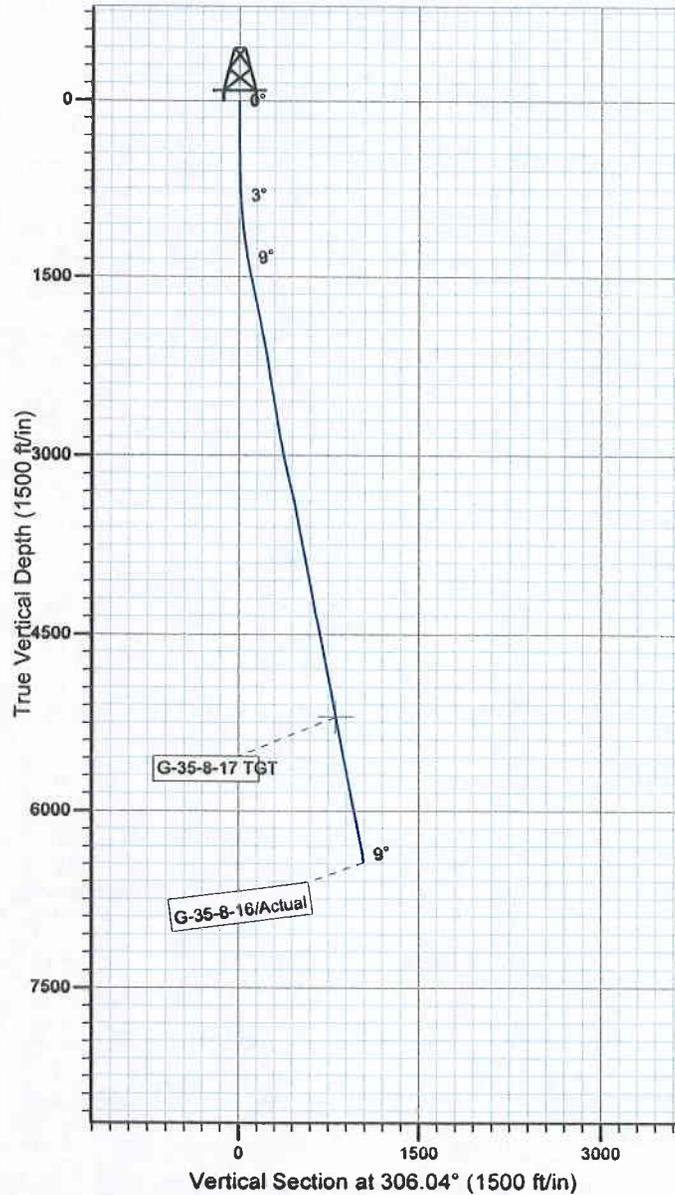
Project: USGS Myton SW (UT)  
 Site: SECTION 35 T8S, R 16E  
 Well: G-35-8-16  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.67°

Magnetic Field  
 Strength: 52586.2snT  
 Dip Angle: 65.89°  
 Date: 2008/08/26  
 Model: IGRF200510



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

Design: Actual (G-35-8-16/Wellbore #1)

Created By: *Jim Hudson* Date: 13:07, July 15 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

## Daily Activity Report

Format For Sundry

**MON BUTTE G-35-8-16**

**4/1/2010 To 8/30/2010**

**MON BUTTE G-35-8-16**

**Waiting on Cement**

**Date:** 6/25/2010

Ross #21 at 315. Days Since Spud - 8 5/8" casing w/ 160 sks Class "G" + 2% CaCl<sub>2</sub> + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield. - On 6/16/10 Ross Rig #21 spud MB G-35-8-16, drilled 315' of 12 1/4" hole, and ran 7 jts 8 5/8" - Returned 5 bbls to pit. - casing (guide shoe, shoe jt, baffle plate, 6 jts) set @ 315.08' KB. On 6/25/10 BJ Services cemented

**Daily Cost:** \$0

**Cumulative Cost:** \$29,346

**MON BUTTE G-35-8-16**

**Rigging down**

**Date:** 7/1/2010

Ross #21 at 315. 0 Days Since Spud - Rig Down Prepair for Rig Move

**Daily Cost:** \$0

**Cumulative Cost:** \$33,821

**MON BUTTE G-35-8-16**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/2/2010

NDSI #2 at 2928. 1 Days Since Spud - Drill 7 7/8" hole from 272' to 2928' with 25 klbs WOB, 173 total RPM, and 183 ft/hr avg ROP. - Pick up BHA assembly including Varel VM613 7 7/8" bit, Hunting .33 rev/gal MM, NMDC, double gap sub, - for 30 minutes. - Kelly valve, and safety valve to 2000 psi for 10 minutes. Pressure test surface casing to 1500 psi - Move rig 5 miles from the G-24-8-16 to the MB G-35-8-16. - Rig up B&C Quick test and pressure test pipe rams, blind rams, choke line, choke manifold, upper - antenna sub, NMDC, and 26 4.5" HWDP.

**Daily Cost:** \$0

**Cumulative Cost:** \$70,977

**MON BUTTE G-35-8-16**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/3/2010

NDSI #2 at 4895. 2 Days Since Spud - Work On Kelly Spinners - Drill 7 7/8" Hole From 3240' To 3753' WOB 24,000 lbs TRPM 168, GPM 344, 102.6 fph AVG ROP - Rig Service Check Crown-A-Matic, BOP Drill - No Flow @ 4600' - No H<sub>2</sub>s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 3753' To 4895' WOB 25,000 lbs, TRPM 168, GPM 344, 76.1 fph AVG ROP - Drill 7 7/8" Hole From 2928' To 3240', WOB 24,000 lbs, TRPM 168, GPM 344, 104 fph AVG ROP

**Daily Cost:** \$0

**Cumulative Cost:** \$106,121

**MON BUTTE G-35-8-16**

**Lay Down Drill Pipe/BHA**

**Date:** 7/4/2010

NDSI #2 at 6540. 3 Days Since Spud - Drill 7 7/8" Hole From 4895' To 5370'. 25,000 lbs WOB, 168 TRPM, 344 GPM, 59.3 fph AVG ROP - Drill 7 7/8" Hole From 5370' To 6540' TD, 25,000 lbs WOB, 168 TRPM, 344 GPM, 86.6 fph AVG ROP, - Circ Hole For Laydown & Logs. - LDDP. - No H<sub>2</sub>s Reported Last 24 Hrs - No Flow @ 5370' & 6500' - Rig Service, Check Crown-A-Matic, Function Test Bop's, Held Bop Drill

**Daily Cost:** \$0

**Cumulative Cost:** \$139,446

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**MON BUTTE G-35-8-16****Wait on Completion****Date:** 7/5/2010

NDSI #2 at 6540. 4 Days Since Spud - R/U Phoenix Surveys Log Well With.DISGL/SP/GR Suite From Loggers TD 6504' To Surface Casing Then - LDDP & BHA - R/U B&C Quick Test. Test 5 1/2" Pipe Rams To 2000 psi For 10 Mins. Tested OK - R/U Marcus Liddell Casing Crew. Run 150 jts 5.5" J-55 15.5# LT&C Casing. Shoe @ 6501',Float Collar - 6478' ( Transfer3 Jts 5.5" J-55 15.5# LT&C Casing To Greater Boundary II Federal Q-21-8-17) - R/U BJ Services Cement Head Circ Hole With Rig Pump ( Washed 14' To Bottom Soft Fill ) - Test Lines To 3800 psi . Pump 300 sks of Lead Cement @11 ppg & 3.50 Yield ( PL II +3% KCL+5#CSE + - 0.5# CF+2# KOL+.5SMS+FP+SF ) Then 401 sks Tail Cement @14.4 ppg & 1.24 Yield ( 50:50:2+3%KCL+0.5% - EC-1+.25# CF+.05#SF+.3SMS+FP-6L ) Displaced With 154.8 bbls. Returned 30 bbls Cement To Pit Bumped - Plug To 1700 psi - Nipple Down Bop's, Set Slips W/90,000# Tension - Clean Mud Pits - No H2s Reported Last 24 Hrs. - Released Rig @ 3:00 AM 7/5/10 - DSN/SDL/GR/CAL Suite From 6504' To 3000'. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$293,810

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**Pertinent Files: Go to File List**