

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		7. If Unit or CA Agreement, Name and No. 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		8. Lease Name and Well No. Monument Butte Federal H-35-8-16
2. Name of Operator Newfield Production Company		9. API Well No. 43-013-34149
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	10. Field and Pool, or Exploratory Monument Butte
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 635' FNL 2070' FWL At proposed prod. zone NE 1300' FNL 2592' FEL		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 35, T8S R16E
14. Distance in miles and direction from nearest town or post office* Approximately 14.0 miles southwest of Myton, UT		12. County or Parish Duchesne
		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 1300' f/lse, 1300' 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. 1273'	19. Proposed Depth 6,435'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5519' GL	22. Approximate date work will start* 1st Grn. 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 	Name (Printed/Typed) Mandie Crozier	Date 11/24/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 12-22-08
Title Office	ENVIRONMENTAL MANAGER	

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)

Surf
577763X
44368104
40.079867
110.087969

BKL
577956X
4436609Y
40.078040
110.085724

Federal Approval of this
Action is Necessary

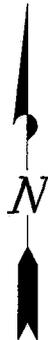
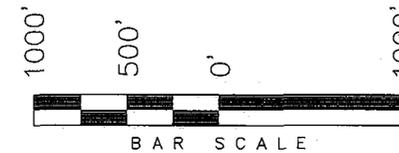
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DEC 08 2008

DIV. OF OIL, GAS & MINING

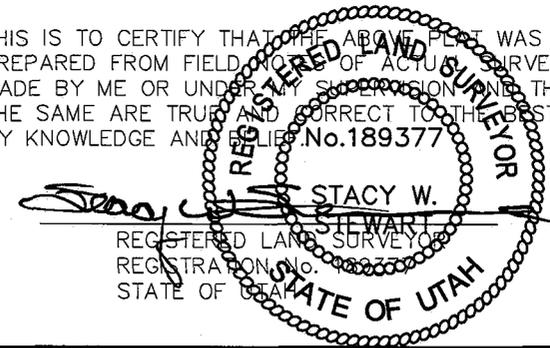
T8S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

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

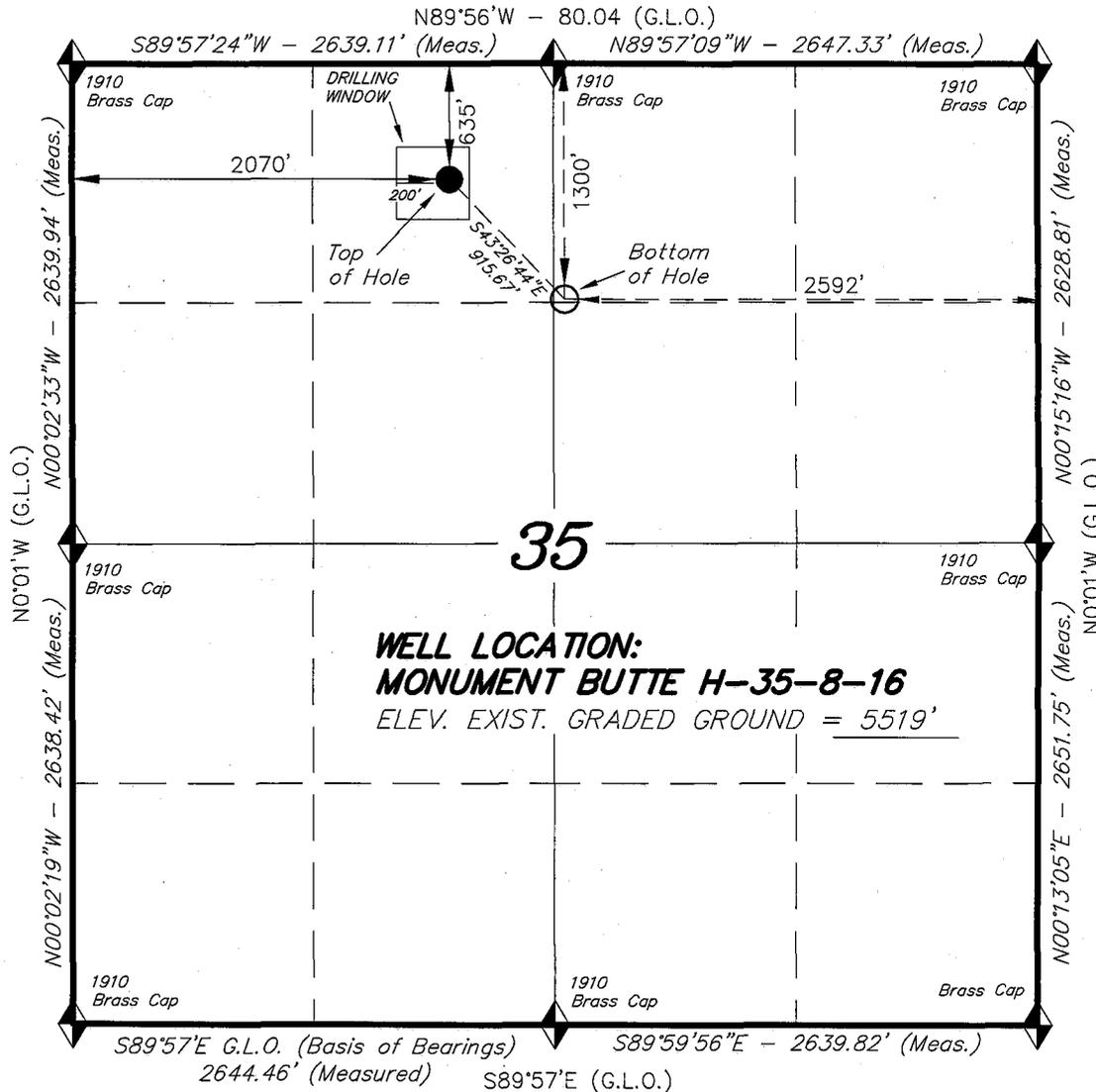


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377



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

DATE SURVEYED: 08-25-08	SURVEYED BY: T.H.
DATE DRAWN: 09-14-08	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 H-35-8-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 47.64"
LONGITUDE = 110° 05' 19.34"

NEWFIELD



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

November 24, 2008

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill
Mon. Butte Federal H-35-8-16
Greater Boundray II Federal R-28-8-17
Greater Boundray II Federal J-29-8-17
South Wells Draw Federal Q-3-9-16
Wells Draw Federal B-4-9-16
Wells Draw Federal H-4-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

DEC 08 2008

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY
MONUMENT BUTTE FEDERAL H-35-8-16
AT SURFACE: NE/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' – 1721'
Green River	1721'
Wasatch	6435'

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

Green River Formation 1721' – 6435' - 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 H-35-8-16
AT SURFACE: NE/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 H-35-8-16 located in the NE 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 west; proceed westerly - 0.1 miles \pm to it's junction with an existing dirt road to the north; proceed northwesterly - 0.5 miles \pm to the existing Monument Butte 3A-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 Monument Butte 3A-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 Monument Butte 3A-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 H-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 H-35-8-16 will be drilled off of the existing Monument Butte 3A-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 980' 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 #08-271, 11/12/08. 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 H-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 H-35-8-16 was on-sited on 8/22/08. The following were present; Dave Allred (Newfield Production), Tim Eaton (Newfield Production), 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

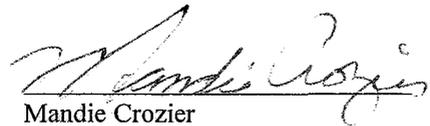
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-35-8-16 NE/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.

11/22/08

Date



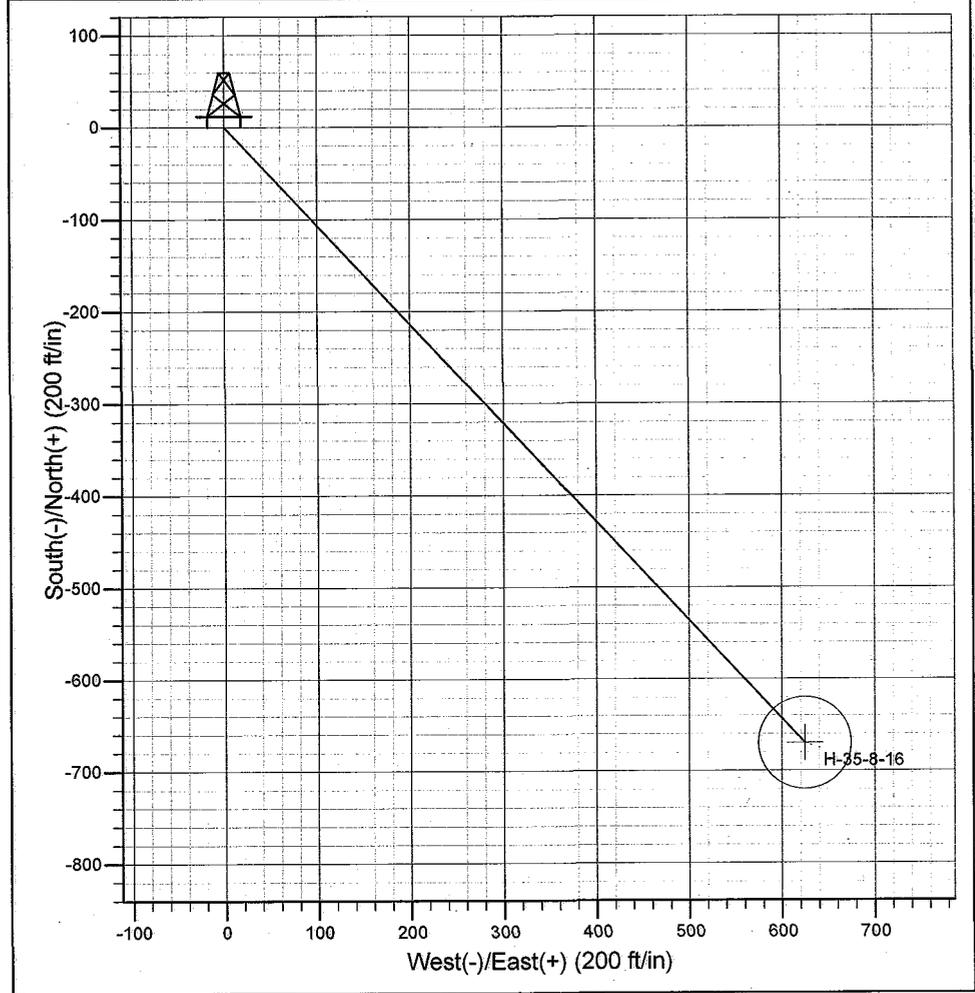
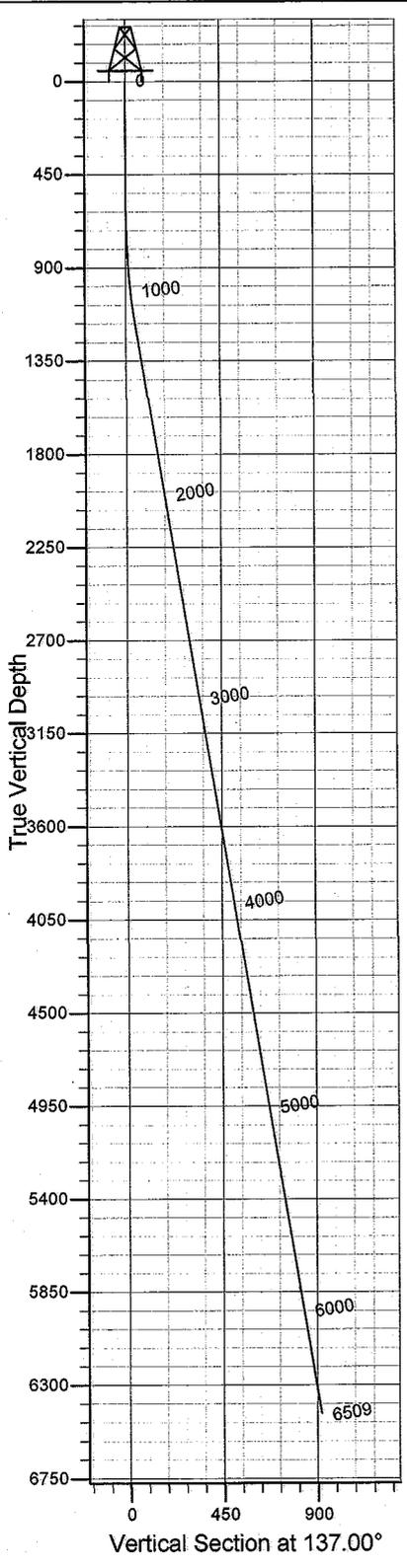
Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD



Newfield Production Company

Project: Monument Butte
Site: Monument Butte H-35-8-16
Well: Monument Butte H-35-8-16
Wellbore: Wellbore #1
Design: Design #1



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	1227.9	9.42	137.00	1225.0	-37.7	35.1	1.50	137.00	51.5	
4	6509.0	9.42	137.00	6435.0	-669.7	624.5	0.00	0.00	915.7	H-35-8-16

PROJECT DETAILS: Monument Butte

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



Azimuths to True North
 Magnetic North: 11.65°

Magnetic Field
 Strength: 52614.6snT
 Dip Angle: 65.89°
 Date: 11/5/2008
 Model: IGRF200510

Created by: Hans Wychgram

Date: 11-05-2008



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Monument Butte H-35-8-16
Well: Monument Butte H-35-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Monument Butte H-35-8-16
TVD Reference: RKB @ 5531.0ft (NDSI #2)
MD Reference: RKB @ 5531.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Monument Butte		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Monument Butte H-35-8-16				
Site Position:		Northing:	2,194,851.80 m	Latitude:	40° 4' 47.640 N
From:	Lat/Long	Easting:	620,359.22 m	Longitude:	110° 5' 19.340 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.90 °

Well	Monument Butte H-35-8-16					
Well Position	+N/-S	0.0 ft	Northing:	2,194,851.80 m	Latitude:	40° 4' 47.640 N
	+E/-W	0.0 ft	Easting:	620,359.22 m	Longitude:	110° 5' 19.340 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,519.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/5/2008	11.65	65.89	52,615

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	137.00	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	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	
1,227.9	9.42	137.00	1,225.0	-37.7	35.1	1.50	1.50	0.00	137.00	
6,509.0	9.42	137.00	6,435.0	-669.7	624.5	0.00	0.00	0.00	0.00	H-35-8-16



Newfield Exploration
Planning Report

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Monument Butte H-35-8-16
Well: Monument Butte H-35-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Monument Butte H-35-8-16
TVD Reference: RKB @ 5531.0ft (NDSI #2)
MD Reference: RKB @ 5531.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	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
200.0	0.00	0.00	200.0	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
400.0	0.00	0.00	400.0	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
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	137.00	700.0	-1.0	0.9	1.3	1.50	1.50	0.00
800.0	3.00	137.00	799.9	-3.8	3.6	5.2	1.50	1.50	0.00
900.0	4.50	137.00	899.7	-8.6	8.0	11.8	1.50	1.50	0.00
1,000.0	6.00	137.00	999.3	-15.3	14.3	20.9	1.50	1.50	0.00
1,100.0	7.50	137.00	1,098.6	-23.9	22.3	32.7	1.50	1.50	0.00
1,200.0	9.00	137.00	1,197.5	-34.4	32.1	47.0	1.50	1.50	0.00
1,227.9	9.42	137.00	1,225.0	-37.7	35.1	51.5	1.50	1.50	0.00
1,300.0	9.42	137.00	1,296.2	-46.3	43.2	63.3	0.00	0.00	0.00
1,400.0	9.42	137.00	1,394.9	-58.3	54.3	79.7	0.00	0.00	0.00
1,500.0	9.42	137.00	1,493.5	-70.2	65.5	96.0	0.00	0.00	0.00
1,600.0	9.42	137.00	1,592.2	-82.2	76.6	112.4	0.00	0.00	0.00
1,700.0	9.42	137.00	1,690.8	-94.2	87.8	128.7	0.00	0.00	0.00
1,800.0	9.42	137.00	1,789.5	-106.1	99.0	145.1	0.00	0.00	0.00
1,900.0	9.42	137.00	1,888.1	-118.1	110.1	161.5	0.00	0.00	0.00
2,000.0	9.42	137.00	1,986.8	-130.1	121.3	177.8	0.00	0.00	0.00
2,100.0	9.42	137.00	2,085.4	-142.0	132.4	194.2	0.00	0.00	0.00
2,200.0	9.42	137.00	2,184.1	-154.0	143.6	210.6	0.00	0.00	0.00
2,300.0	9.42	137.00	2,282.7	-166.0	154.8	226.9	0.00	0.00	0.00
2,400.0	9.42	137.00	2,381.4	-177.9	165.9	243.3	0.00	0.00	0.00
2,500.0	9.42	137.00	2,480.0	-189.9	177.1	259.7	0.00	0.00	0.00
2,600.0	9.42	137.00	2,578.7	-201.9	188.2	276.0	0.00	0.00	0.00
2,700.0	9.42	137.00	2,677.3	-213.8	199.4	292.4	0.00	0.00	0.00
2,800.0	9.42	137.00	2,776.0	-225.8	210.6	308.7	0.00	0.00	0.00
2,900.0	9.42	137.00	2,874.6	-237.8	221.7	325.1	0.00	0.00	0.00
3,000.0	9.42	137.00	2,973.3	-249.7	232.9	341.5	0.00	0.00	0.00
3,100.0	9.42	137.00	3,071.9	-261.7	244.0	357.8	0.00	0.00	0.00
3,200.0	9.42	137.00	3,170.6	-273.7	255.2	374.2	0.00	0.00	0.00
3,300.0	9.42	137.00	3,269.2	-285.6	266.4	390.6	0.00	0.00	0.00
3,400.0	9.42	137.00	3,367.9	-297.6	277.5	406.9	0.00	0.00	0.00
3,500.0	9.42	137.00	3,466.5	-309.6	288.7	423.3	0.00	0.00	0.00
3,600.0	9.42	137.00	3,565.2	-321.5	299.8	439.7	0.00	0.00	0.00
3,700.0	9.42	137.00	3,663.9	-333.5	311.0	456.0	0.00	0.00	0.00
3,800.0	9.42	137.00	3,762.5	-345.5	322.2	472.4	0.00	0.00	0.00
3,900.0	9.42	137.00	3,861.2	-357.4	333.3	488.7	0.00	0.00	0.00
4,000.0	9.42	137.00	3,959.8	-369.4	344.5	505.1	0.00	0.00	0.00
4,100.0	9.42	137.00	4,058.5	-381.4	355.6	521.5	0.00	0.00	0.00
4,200.0	9.42	137.00	4,157.1	-393.3	366.8	537.8	0.00	0.00	0.00
4,300.0	9.42	137.00	4,255.8	-405.3	378.0	554.2	0.00	0.00	0.00
4,400.0	9.42	137.00	4,354.4	-417.3	389.1	570.6	0.00	0.00	0.00
4,500.0	9.42	137.00	4,453.1	-429.2	400.3	586.9	0.00	0.00	0.00
4,600.0	9.42	137.00	4,551.7	-441.2	411.4	603.3	0.00	0.00	0.00
4,700.0	9.42	137.00	4,650.4	-453.2	422.6	619.7	0.00	0.00	0.00
4,800.0	9.42	137.00	4,749.0	-465.2	433.8	636.0	0.00	0.00	0.00
4,900.0	9.42	137.00	4,847.7	-477.1	444.9	652.4	0.00	0.00	0.00
5,000.0	9.42	137.00	4,946.3	-489.1	456.1	668.7	0.00	0.00	0.00
5,100.0	9.42	137.00	5,045.0	-501.1	467.2	685.1	0.00	0.00	0.00
5,200.0	9.42	137.00	5,143.6	-513.0	478.4	701.5	0.00	0.00	0.00



Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: Monument Butte H-35-8-16
Well: Monument Butte H-35-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Monument Butte H-35-8-16
TVD Reference: RKB @ 5531.0ft (NDSI #2)
MD Reference: RKB @ 5531.0ft (NDSI #2)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	9.42	137.00	5,242.3	-525.0	489.6	717.8	0.00	0.00	0.00
5,400.0	9.42	137.00	5,340.9	-537.0	500.7	734.2	0.00	0.00	0.00
5,500.0	9.42	137.00	5,439.6	-548.9	511.9	750.6	0.00	0.00	0.00
5,600.0	9.42	137.00	5,538.2	-560.9	523.0	766.9	0.00	0.00	0.00
5,700.0	9.42	137.00	5,636.9	-572.9	534.2	783.3	0.00	0.00	0.00
5,800.0	9.42	137.00	5,735.5	-584.8	545.4	799.7	0.00	0.00	0.00
5,900.0	9.42	137.00	5,834.2	-596.8	556.5	816.0	0.00	0.00	0.00
6,000.0	9.42	137.00	5,932.9	-608.8	567.7	832.4	0.00	0.00	0.00
6,100.0	9.42	137.00	6,031.5	-620.7	578.8	848.7	0.00	0.00	0.00
6,200.0	9.42	137.00	6,130.2	-632.7	590.0	865.1	0.00	0.00	0.00
6,300.0	9.42	137.00	6,228.8	-644.7	601.2	881.5	0.00	0.00	0.00
6,400.0	9.42	137.00	6,327.5	-656.6	612.3	897.8	0.00	0.00	0.00
6,500.0	9.42	137.00	6,426.1	-668.6	623.5	914.2	0.00	0.00	0.00
6,509.0	9.42	137.00	6,435.0	-669.7	624.5	915.7	0.00	0.00	0.00

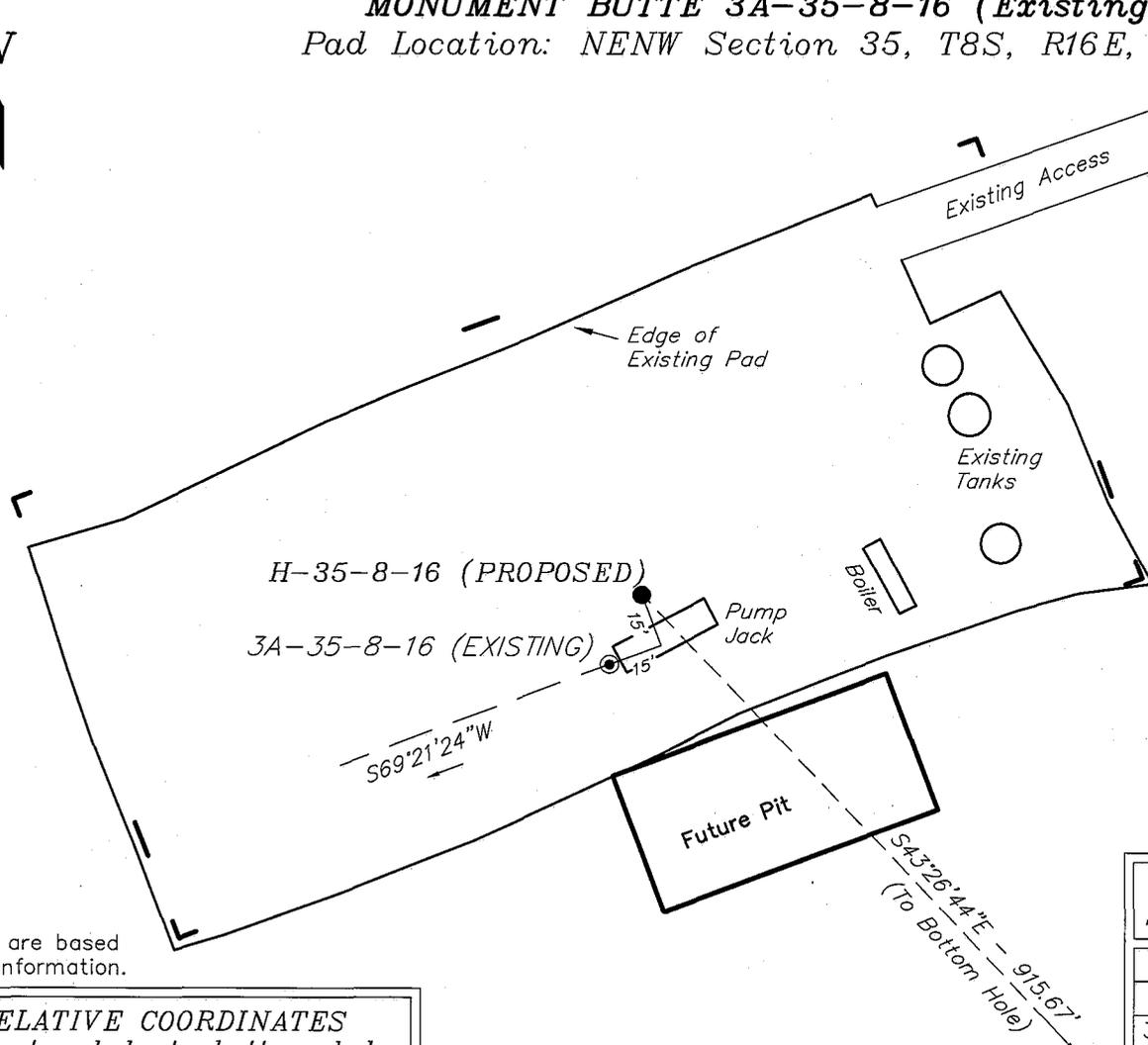
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

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

MONUMENT BUTTE 3A-35-8-16 (Existing Well)

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



TOP HOLE FOOTAGES

H-35-8-16 (PROPOSED)
635' FNL & 2070' FWL

BOTTOM HOLE FOOTAGES

H-35-8-16 (PROPOSED)
1300' FNL & 2592' FEL

Note:
Bearings are based
on GLO Information.

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
H-35-8-16	40° 04' 47.64"	110° 05' 19.34"
3A-35-8-16	40° 04' 47.45"	110° 05' 19.45"

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
H-35-8-16	-665'	630'

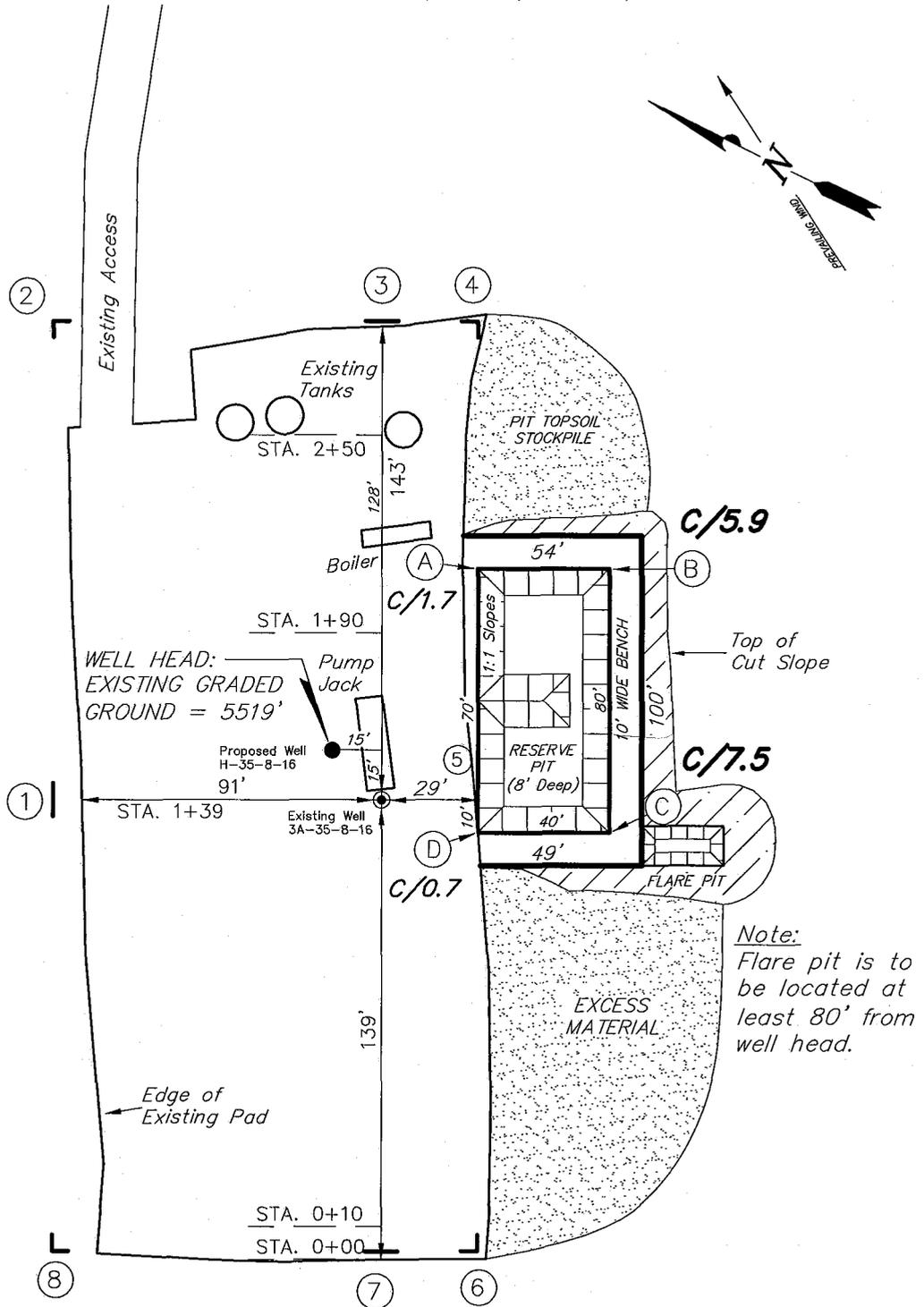
SURVEYED BY: T.H.	DATE SURVEYED: 08-25-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-17-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE H-35-8-16 (Proposed Well)
MONUMENT BUTTE 3A-35-8-16 (Existing Well)

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



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-25-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-14-08
SCALE: 1" = 50'	REVISED:

(435) 781-2501

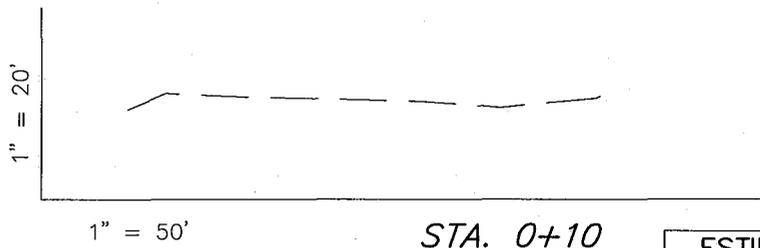
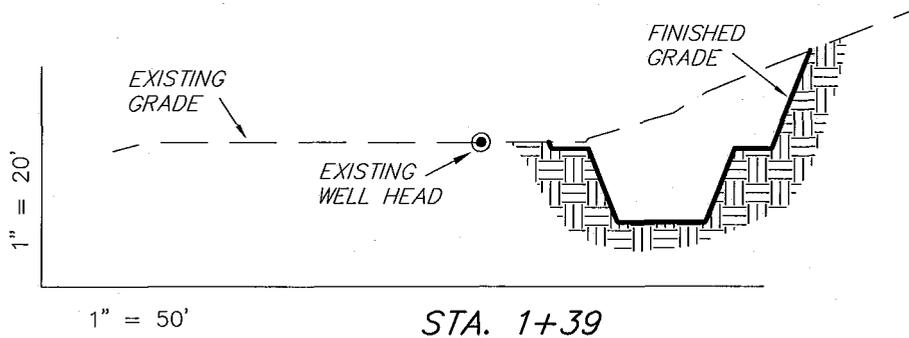
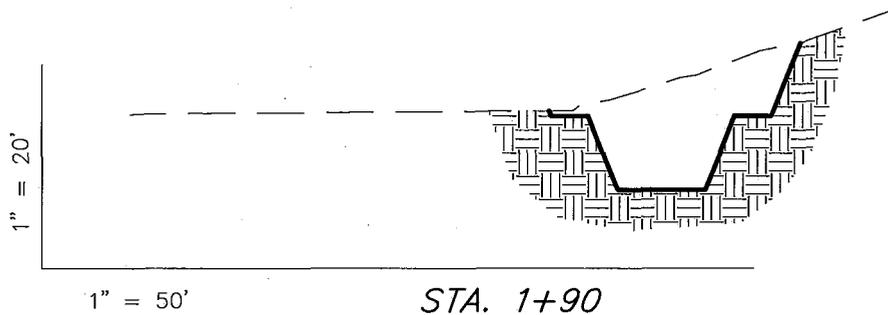
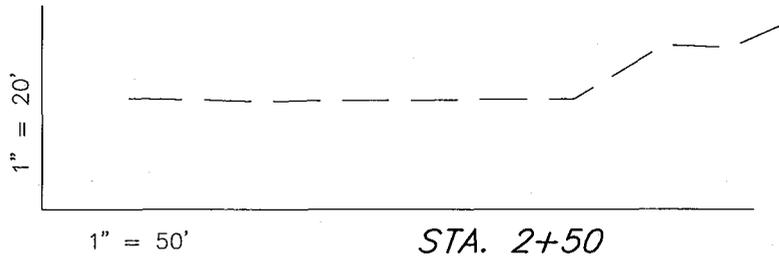
Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

MONUMENT BUTTE H-35-8-16 (Proposed Well)
 MONUMENT BUTTE 3A-35-8-16 (Existing Well)



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,320	0	Topsoil is not included in Pad Cut	1,320
PIT	640	0		640
TOTALS	1,960	0	160	1,960

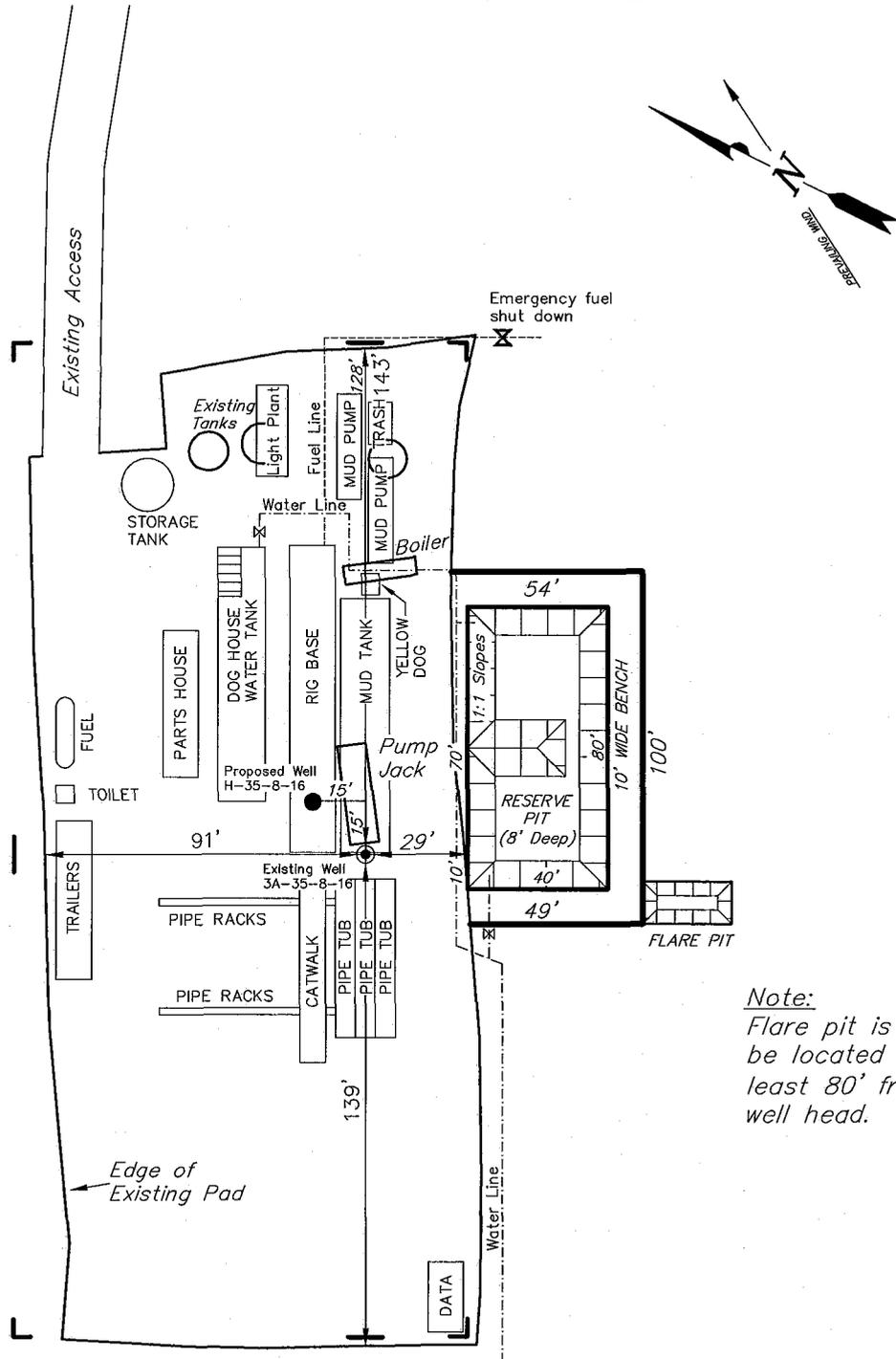
SURVEYED BY: T.H.	DATE SURVEYED: 08-25-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-14-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

MONUMENT BUTTE H-35-8-16 (Proposed Well)
 MONUMENT BUTTE 3A-35-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-25-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-14-08
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

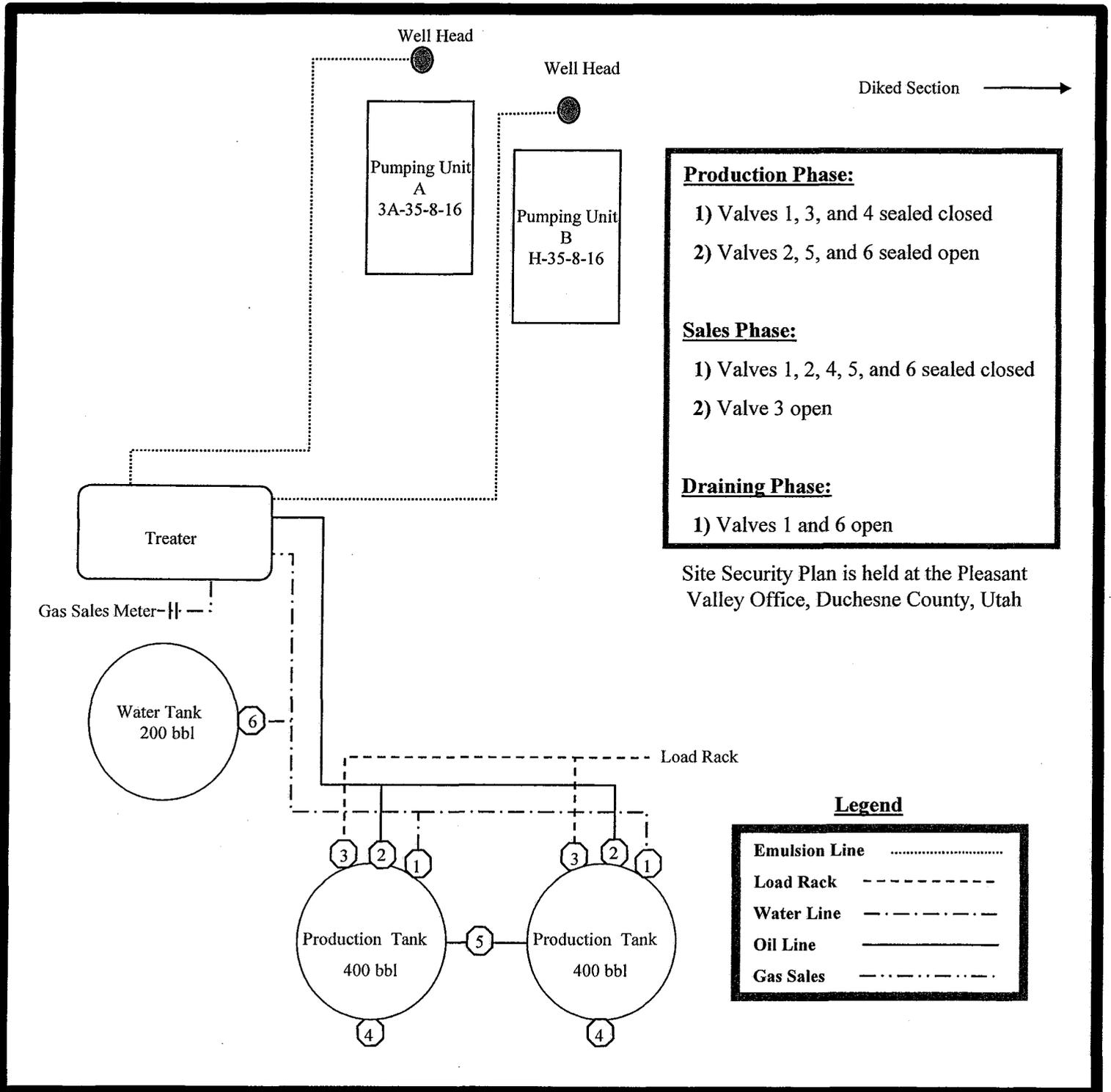
Monument Butte Federal H-35-8-16

From the 3A-35-8-16 Location

NE/NW Sec. 35 T8S, R16E

Duchesne County, Utah

UTU-16535



Production Phase:

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

Sales Phase:

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

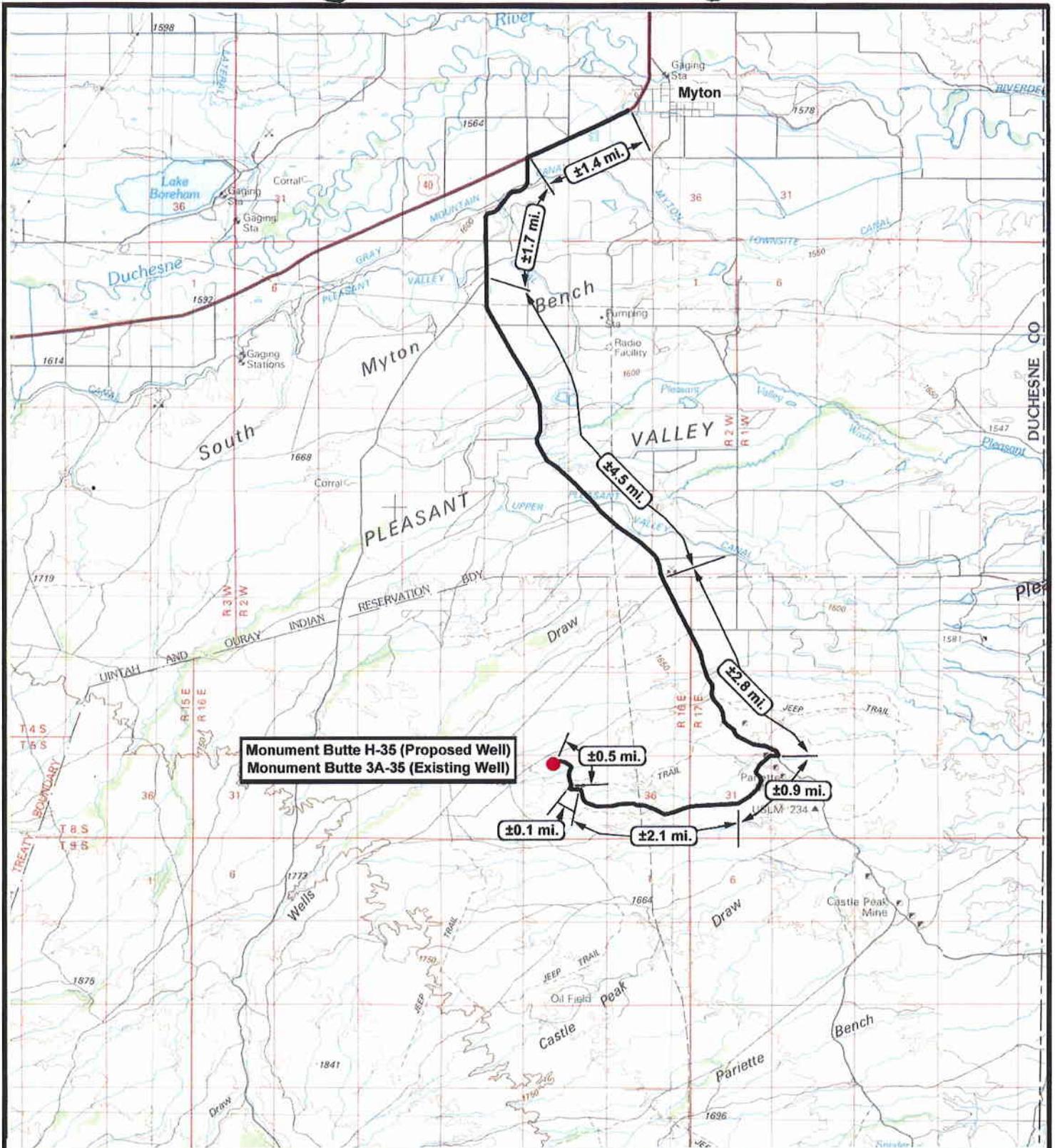
Draining Phase:

- 1) Valves 1 and 6 open

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

Legend

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



Monument Butte H-35 (Proposed Well)
Monument Butte 3A-35 (Existing Well)



Monument Butte H-35-8-16 (Proposed Well)
Monument Butte 3A-35-8-16 (Existing Well)
 Pad Location NENW Sec 35, T8S, R16E, S.L.B.&M.



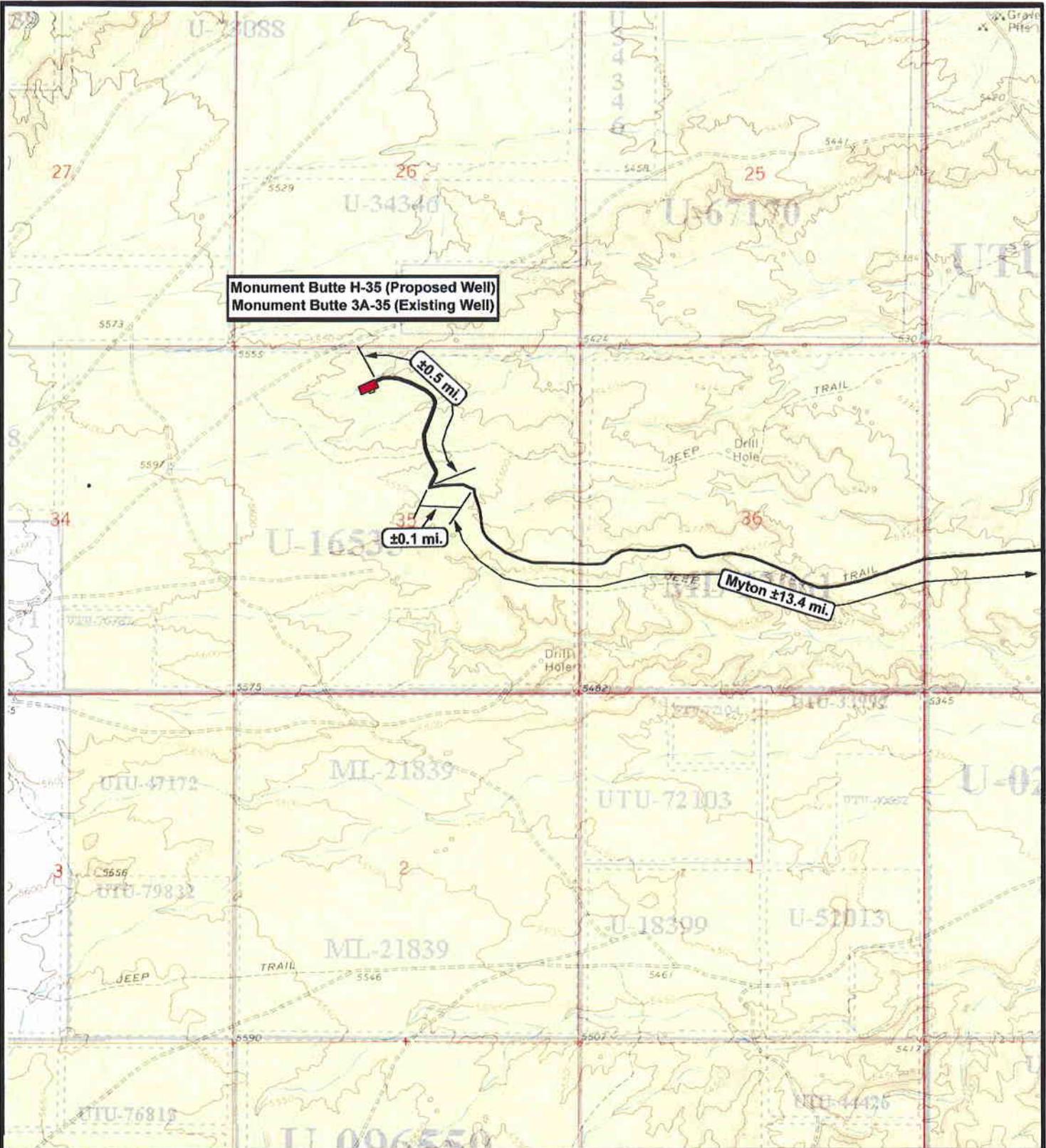
Tri-State Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: JAS
 DATE: 09-19-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



Monument Butte H-35 (Proposed Well)
Monument Butte 3A-35 (Existing Well)

±0.5 mi.

±0.1 mi.

Myton ±13.4 mi.



NEWFIELD
Exploration Company

Monument Butte H-35-8-16 (Proposed Well)
Monument Butte 3A-35-8-16 (Existing Well)
 Pad Location NENW Sec 35, T8S, R16E, S.L.B.&M.



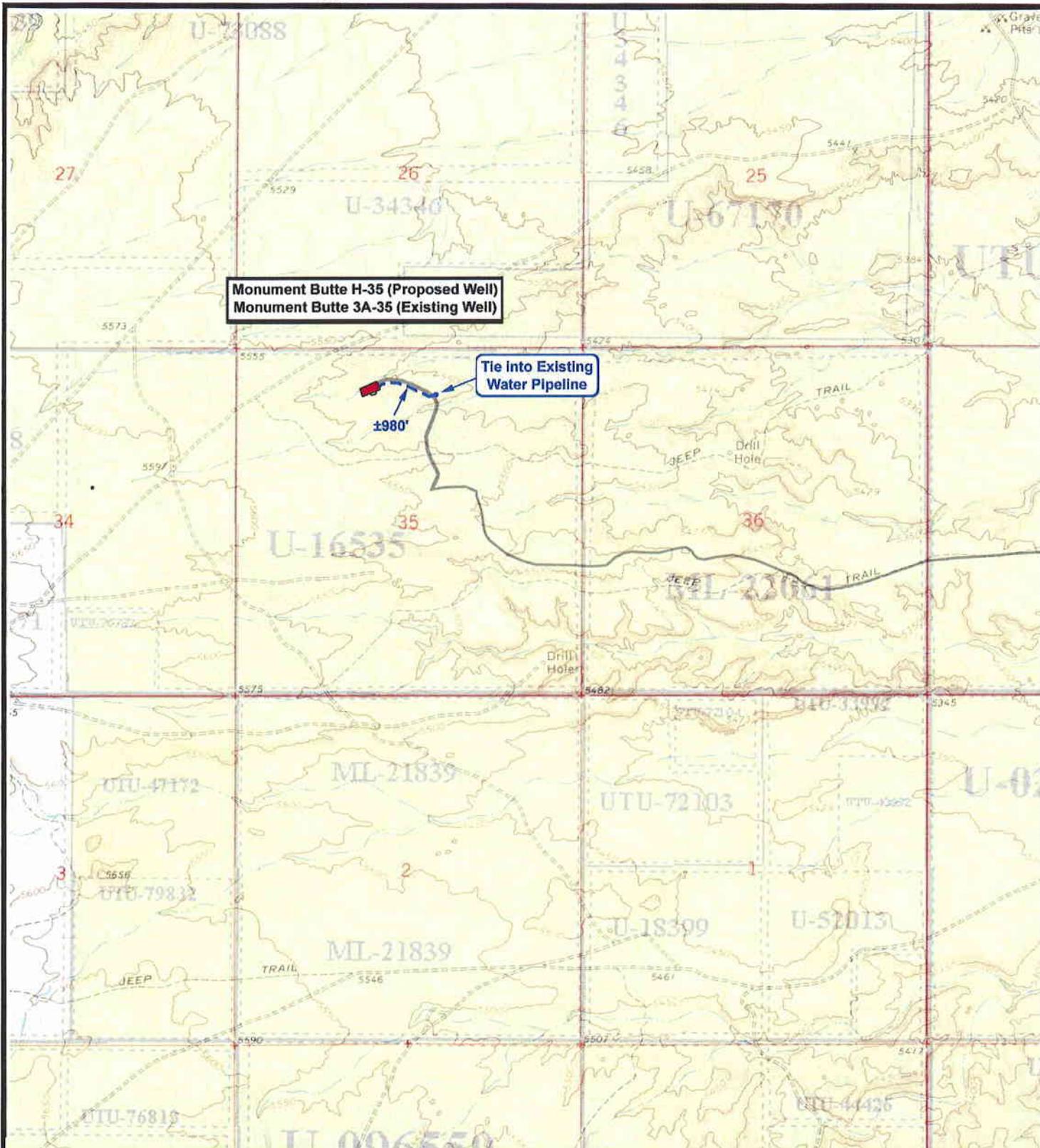

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 09-19-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



Monument Butte H-35 (Proposed Well)
Monument Butte 3A-35 (Existing Well)

**Tie Into Existing
 Water Pipeline**

1980'

NEWFIELD
 Exploration Company

Monument Butte H-35-8-16 (Proposed Well)
Monument Butte 3A-35-8-16 (Existing Well)
 Pad Location NENW Sec 35, T8S, R16E, S.L.B.&M.



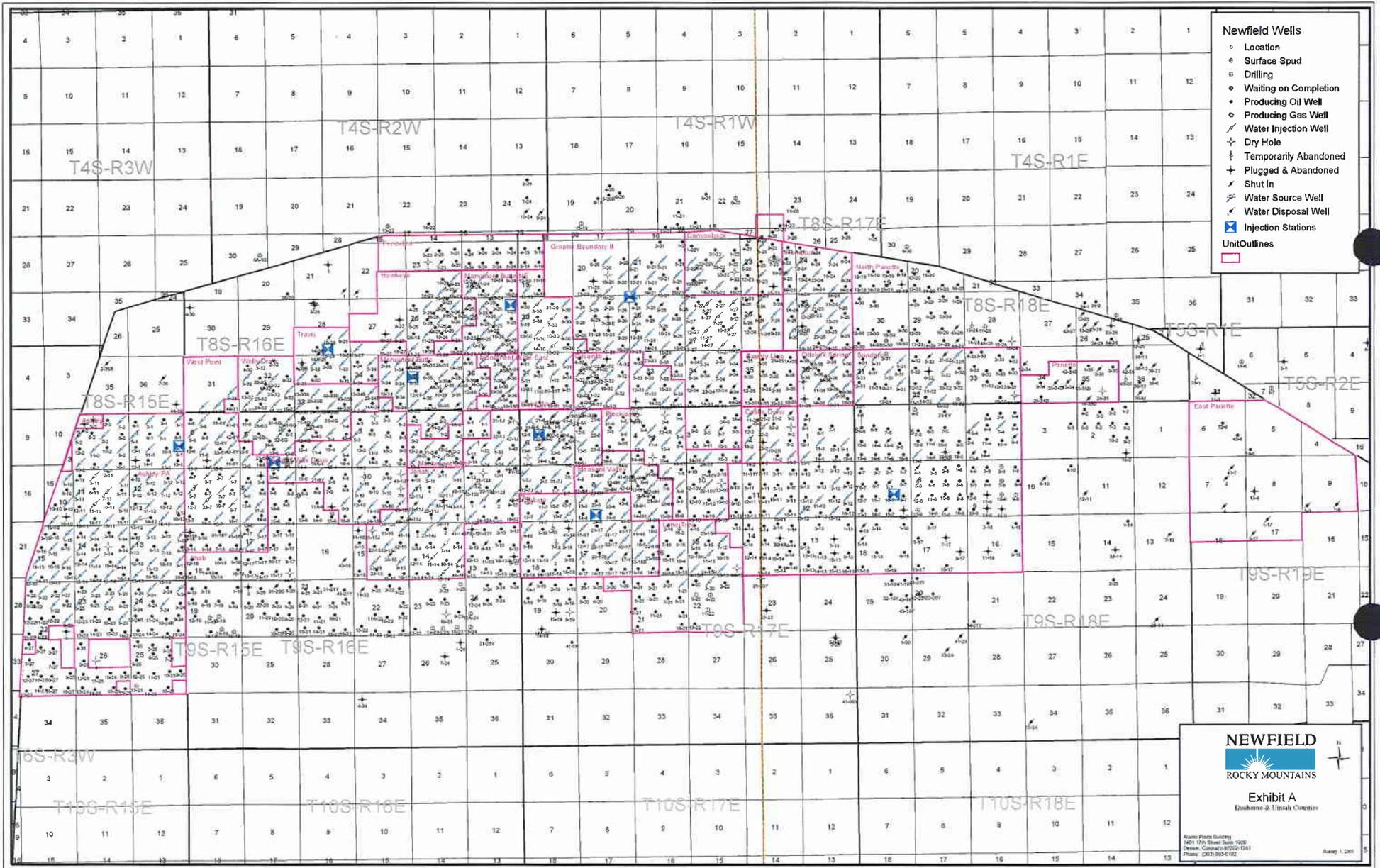
*Tri-State
 Land Surveying Inc.*
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

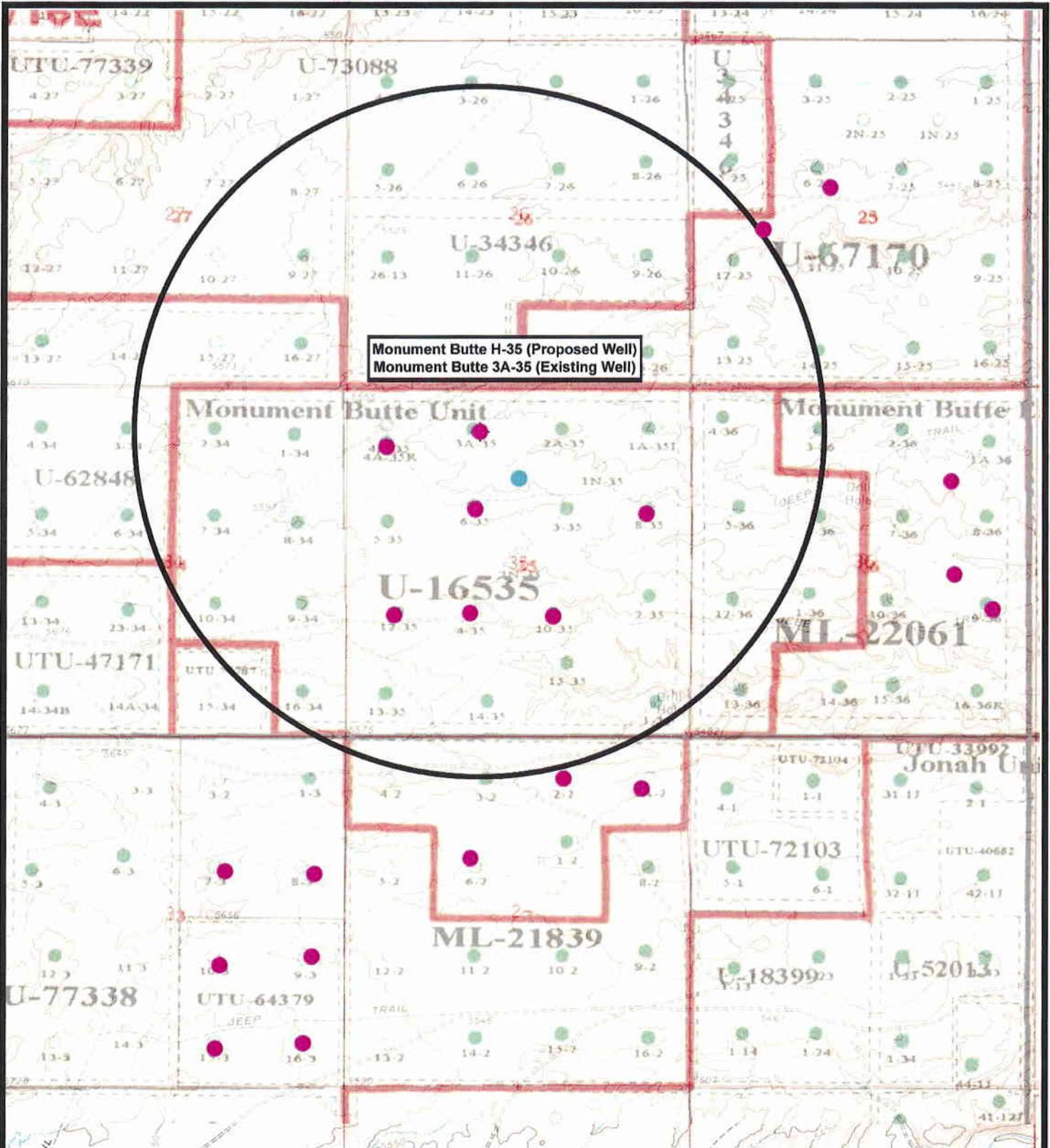
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 09-19-2008

Legend

- Roads
- Proposed Water Line

TOPOGRAPHIC MAP
"C"





Monument Butte H-35 (Proposed Well)
 Monument Butte 3A-35 (Existing Well)

 **NEWFIELD**
 Exploration Company

Monument Butte H-35-8-16 (Proposed Well)
Monument Butte 3A-35-8-16 (Existing Well)
 Pad Location NENW 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: 09-19-2008

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

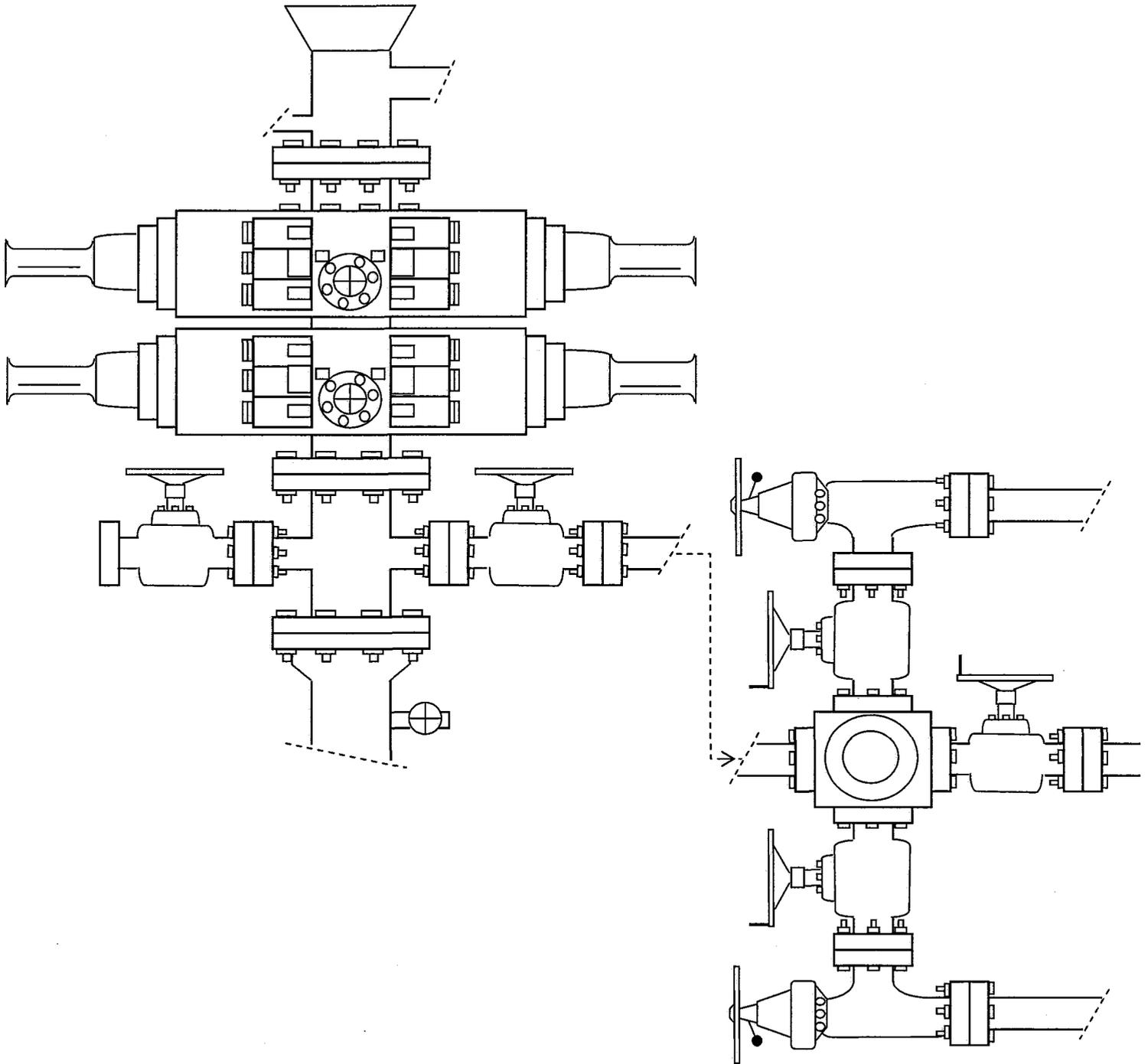


EXHIBIT C

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S PROPOSED
MONUMENT BUTTE 3A-35-8-16 PIPELINE
(T8S, R16E, SEC. 35)
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

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. 08-271

November 12, 2008

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

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-1080b

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: 12/08/2008

API NO. ASSIGNED: 43-013-34149

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

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
 NENW 35 080S 160E
 SURFACE: 0635 FNL 2070 FWL
 BOTTOM: 1300 FNL 2592 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.07987 LONGITUDE: -110.0880
 UTM SURF EASTINGS: 577763 NORTHINGS: 4436810
 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(A)
 Eff Date: 10-25-2006
 Siting: Subsided / General Siting
 R649-3-11. Directional Drill

COMMENTS: SOP, Separate file

STIPULATIONS: Scientific Approval

API Number: 4301334149

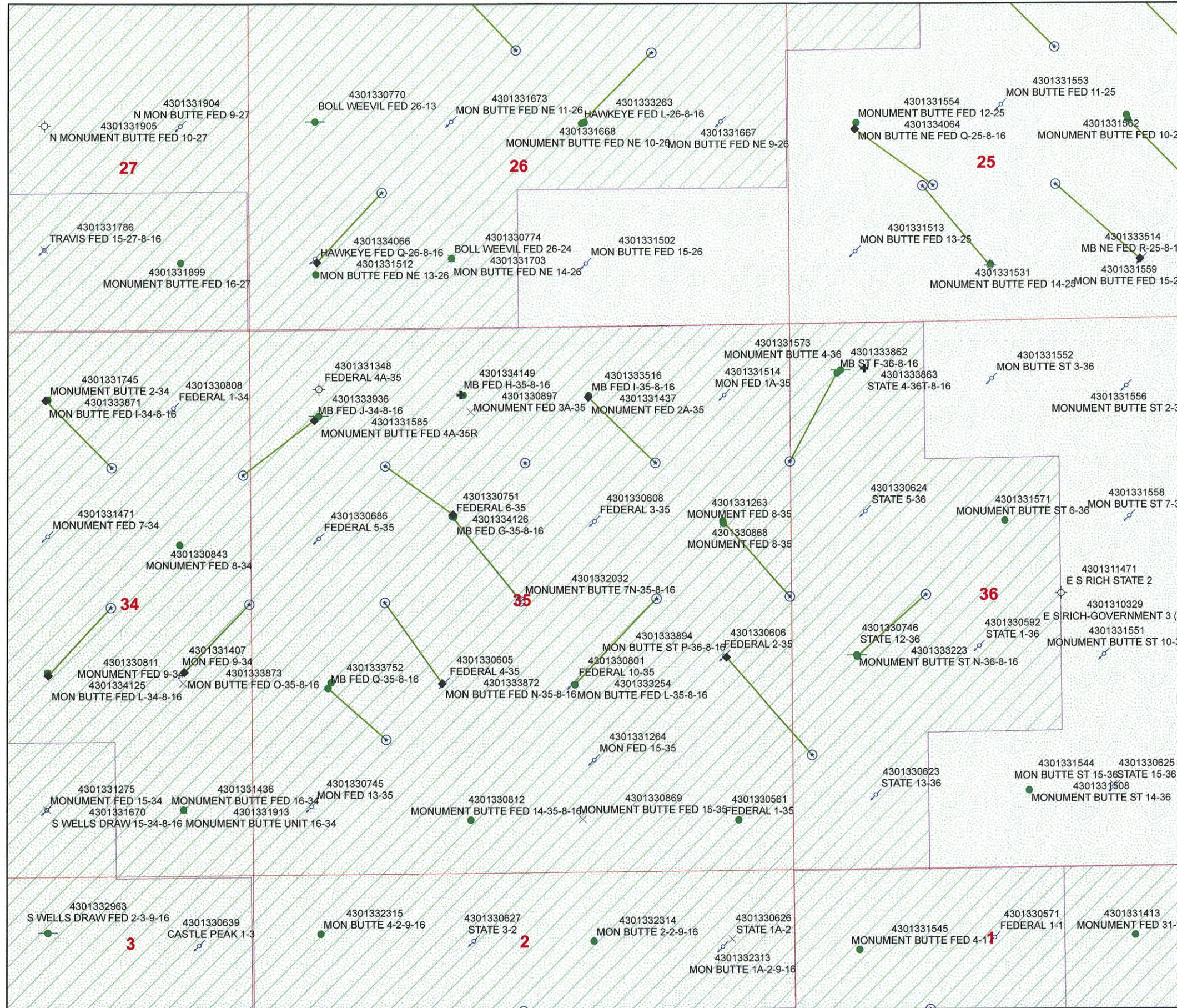
Well Name: MB FED H-35-8-16

Township 08.0 S Range 16.0 E Section 35

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason



Units

- STATUS
 - ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

Fields

- STATUS
 - ACTIVE
 - COMBINED
 - Sections

Wells Query Events

- <all other values>
- GIS_STAT_TYPE
 - <Null>
 - APD
 - DRL
 - GI
 - GS
 - LA
 - NEW
 - OPS
 - PA
 - PGW
 - POW
 - RET
 - SGW
 - SOW
 - TA
 - TW
 - WD
 - WI
 - WS



1:12,000

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)

December 9, 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 well is planned for calendar year 2008 within the Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34149	Monument Butte Fed	H-35-8-16 Sec 35 T08S R16E 0635 FNL 2070 FWL BHL Sec 35 T08S R16E 1300 FNL 2592 FEL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:12-9-08



December 9, 2008

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

RE: Directional Drilling
Monument Butte Federal H-35-8-16
Monument Butte Unit
UT080P49-8861680
Surface Hole: T8S R16E, Section 35: NENW
635' FNL 2070' FWL
Bottom Hole: T8S R16E, Section 35
1300' FNL 2592' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated November 24, 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. Your consideration of this matter is greatly appreciated.

Sincerely,
NEWFIELD PRODUCTION COMPANY

Roxann Eveland

Roxann Eveland
Land Associate

RECEIVED

DEC 15 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-16535	
6. If Indian, Allottee or Tribe Name NA	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	7. If Unit or CA Agreement, Name and No. 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	8. Lease Name and Well No. Monument Butte Federal H-35-8-16
2. Name of Operator Newfield Production Company	9. API Well No.
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721
10. Field and Pool, or Exploratory Monument Butte	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 35, T8S R16E
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE/NW 635' FNL 2070' FWL At proposed prod. zone 1300' FNL 2592' FEL	12. County or Parish Duchesne
14. Distance in miles and direction from nearest town or post office* Approximately 14.0 miles southwest of Myton, UT	13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 1300' f/lse, 1300' 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. 1273'
19. Proposed Depth 6,435'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5519' GL	22. Approximate date work will start* 11/24/08
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 11/24/08
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)

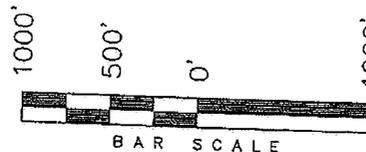
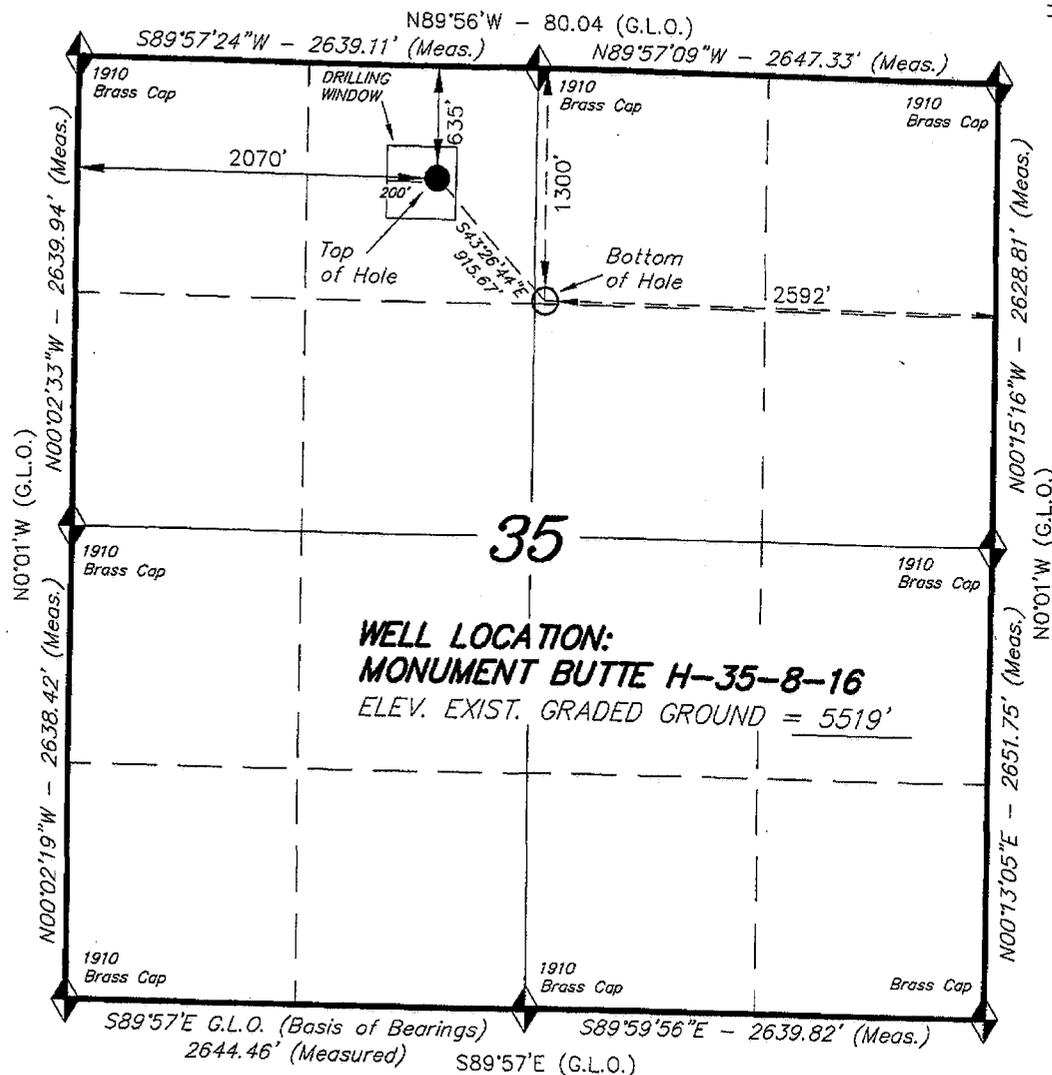
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RECEIVED
DEC 15 2008
DIV. OF OIL, GAS & MINING

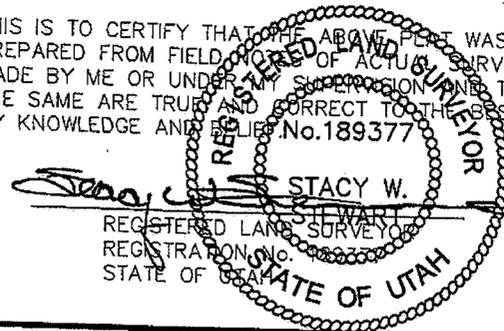
T8S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

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



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



◆ = SECTION CORNERS LOCATED

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

MONUMENT BUTTE H-35-8-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 47.64"
LONGITUDE = 110° 05' 19.34"

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

DATE SURVEYED: 08-25-08	SURVEYED BY: T.H.
DATE DRAWN: 09-14-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 22, 2008

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

Re: Monument Butte Federal H-35-8-16 Well, Surface Location 635' FNL, 2070' FWL, NE NW, Sec. 35, T. 8 South, R. 16 East, Bottom Location 1300' FNL, 2592' FEL, NW NE, 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 43-013-34149.

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 H-35-8-16
API Number: 43-013-34149
Lease: UTU-16535

Surface Location: NE NW **Sec.** 35 **T.** 8 South **R.** 16 East
Bottom Location: NW NE **Sec.** 35 **T.** 8 South **R.** 16 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

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

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

3. Reporting Requirements

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

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

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

RECEIVED
DEPARTMENT OF THE INTERIOR FIELD OFFICE
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

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 H-35-8-16	
9. API Well No. 43 013 34149	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 35, T8S R16E	
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 14.0 miles southwest of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 1300' f/lse, 1300' 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. 1273'	19. Proposed Depth 6,435'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5519' GL	22. Approximate date work will start* 1st Qtr. 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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO 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 11/24/08
Title Regulatory Specialist		

Approved by (Signature) <i>Stephanie J Howard</i>	Name (Printed/Typed) Stephanie J Howard	Date 10/30/09
Title Acting Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

(Continued on page 2)

*(Instructions on page 2)

NOS 10/14/08

AFMSS# 09SXS0031A

NOTICE OF APPROVAL

RECEIVED

NOV 05 2009

DIV. OF OIL, GAS & MINING





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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	NENW, Sec. 35, T8S, R16E
Well No:	Monument Butte Federal H-35-8-16	Lease No:	UTU-16535
API No:	43-013-34149	Agreement:	Monument Butte (GR) Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Reclamation

Interim Reclamation:

- Interim reclamation of the surface environment shall take place after drilling and completion and the well is placed into production. At a minimum, this will include the stabilization of the soil surface during construction, recontouring of the unused pad area, and the reserve pit to the original contour to the extent possible, and the re-spreading of the top soil after recontouring takes place, up to the rig anchor points and any area not needed for production. Buried pipelines will be recontoured, the salvaged topsoil redistributed and reseeded. The outside borrow of the access road will have the top soil salvaged and re-spread and reseeded. The area will be reseeded using appropriate seeding methods, which includes, but is not limited to, the drill seeding method (see below). Any adjustments, due to site specific production concerns, to the reclamation COAs in this document can be submitted on Sundry form 3160-5.
- The reclamation objective is to establish a desired self-perpetuating diverse plant community. The objective is to attain **75% basal cover** based on similar undisturbed adjacent native vegetative community, and comprised of desired species and/or seeded species within 5 years of initial reclamation action. However if after three (3) growing seasons there is less than **30%** of the basal cover based on similar undisturbed native vegetative community, then the Authorized Officer may require additional seeding efforts.
- Topsoil will be segregated from the subsoil (without mixing them), stockpiled separately from other soil materials, and maintained for future use in rehabilitating the locations.
- Topsoil piles stored beyond one growing season will be stabilized and seeded to prevent erosion.
- Topsoil storage areas will be identified with appropriate signage, so it is easily identifiable where topsoil is on location.

- Noxious and invasive weeds will be inventoried and monitored. Noxious and invasive weeds will be controlled through integrated weed management including chemical, mechanical, and biological control methods. An approved Pesticide Use Proposal (PUP) is required for all herbicide applications.
- All trash and waste materials not needed for production will be removed immediately.
- Earth work for interim and final reclamation must be completed within 6 months following well completion or well plugging (weather permitting).
- Salvaged topsoil will be re-distributed evenly, and to pre-disturbance depths, over the surfaces to be revegetated.
- The soil surface will be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching, hydro mulching, contour furrowing, water terracing, fertilizing, disking, soil additives or other approved methods. The seedbed preparations will be determined to accomplish the reclamation objectives above.
- The seeding contractor will provide all seed tags to the appropriate SMA prior to seeding efforts.
- Seeding will occur after August 15 and prior to winter freezing of the soil.
- Drill seeding will be used except in areas where topography or substrate composition (rock) precludes the use of the drill. If drill seeding is not possible, broadcast seeding will be implemented. If the broadcast method is used (such as on slopes of 40 percent or greater), the seed rates established for drill seeding will be doubled and seed will be immediately covered to prevent seed desiccation or predation by birds or rodents. The seeds can be covered in several ways including spreading and crimping straw over the seeded area, raking the area by hand, or dragging a chain or chain-linked fence over the seeded area.
- Any altered drainages or water courses will be stabilized through rip rap, berming, seeding, matting, or other approved methods, and will be reconstructed to have the characteristics and features of nearby functional drainages. Any disturbance to "dashed line" drainages as depicted on USGS 1:24,000 topographic maps will be coordinated with the corps of engineers prior to disturbance.

Final Reclamation:

- Final Reclamation will be similar to interim reclamation except, all disturbance associated with the well location, access road and pipeline will be reclaimed. The seed mix may include more shrubs and native species. The visual composition will be reestablished to blend with the natural surroundings through recontouring and reseeding.
- After pipeline installation is complete, all disturbed areas will be reseeded. The seed mixtures to be used will be similar to the vegetation of the surrounding areas and may consist of grasses, forbs, or shrubs. A recommended seed mixture is provided in the table below.

Monitoring:

- The initial monitoring report will include but is not limited to: when the recontouring and seeding was completed. The seed applied, the amounts, and the depth of application. Seedbed preparation such as disking, mulching, etc. Seed application such as drilling or broadcast seeding.

Are there any soil amendments, fertilizers, watering, etc. The amounts of noxious and invasive weeds. Are any fencing requirements needed.

- Prior to any surface disturbance, vegetative monitoring locations and reference sites will be identified by the operator and approved by the BLM Authorized Officer.
- Vegetation monitoring protocol will be developed by the operator and approved by the BLM Authorized Officer prior to implementation of revegetation techniques and will be designed to monitor % basal vegetative cover.
- Reclamation areas will be inspected annually and monitored to document location and extent of areas with successful revegetation. Monitoring will continue until the site is considered a success by the authorized officer and the objectives established in the Green River District Guidelines. A reclamation report will be submitted electronically to the Authorized Officer by March 31 of each year.
- On Federal lands, the reclamation objective will be a vegetation community that within 5 years is comprised of desired and/or seeded species, where the basal vegetative cover is 75 percent of a similar undisturbed adjacent native vegetation community. If after 3 years basal cover is less than 30 percent, then additional seeding and reclamation efforts may be required.

Seed mix (Interim and Final Reclamation):

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

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

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

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: June 24, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-16535
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MB FED H-35-8-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013341490000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0635 FNL 2070 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 35 Township: 08.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

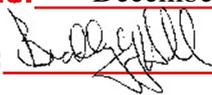
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/18/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input 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 well for one more year.

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

Date: December 21, 2009

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 12/17/2009	



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 43013341490000

API: 43013341490000

Well Name: MB FED H-35-8-16

Location: 0635 FNL 2070 FWL QTR NENW SEC 35 TWNP 080S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/22/2008

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: 12/17/2009

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

Date: December 21, 2009

By: 

spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# RossRig #
29 Submitted By Don Bastian Phone Number 435-
823-6012

Well Name/Number Monument Butte Fedral H-35-8-16
Qtr/Qtr NE/NW Section 35 Township 8S Range 16E
Lease Serial Number UTU-16535
API Number 43-013- 34149

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

Date/Time 6/23/10 8:00 AM PM

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

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

Date/Time 6/23/10 2:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks Ross Rig #29Will Spud The Monument Butte

Federal H-35-8-16 @ 8:00 AM 6/23/10. Start Casing In Hole @
2:00 PM 6/23/10

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 area 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 H-35-8-16

9. API Well No.

4301334149

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	_____

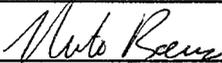
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical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

On 6/23/10 MIRU Ross # 29. 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 @ 313.37' 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

Signature



Title

Drilling Foreman

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				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	17689	4301350286	UTE TRIBAL 1-21-4-3	NENE	21	4S	3W	DUCHESNE	6/22/2010	7/26/10
WELL 1 COMMENTS: GRN BHL = NENE CONFIDENTIAL											
A	99999	██████████	1001050050	UTE TRIBAL 6-20-4-0	GENW	20	4S	3W	DUCHESNE	6/10/2010	
A	99999	17691	4301350352	UTE TRIBAL 15-15-4-3	SWSE	15	4S	3W	DUCHESNE	6/26/2010	7/26/10
GRN											
B	99999	17400	4301334126	MONUMENT BUTTE FED G-35-8-16	SENW	35	8S	16E	DUCHESNE	6/16/2010	7/26/10
GRN BHL = SENW											
B	99999	17400	4301334419	MONUMENT BUTTE FED H-35-8-16	NENW	35	8S	16E	DUCHESNE	6/23/2010	7/26/10
WELL 5 COMMENTS: GRN 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: GRN											

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

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

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 JUL 12 2010

DIV. OF OIL, GAS & MINING

Signature Jentri Park
 Production Clerk
 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

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

GMBU

1. TYPE OF WELL:

OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:

MON BUTTE H-35-8-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301334149

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 0635 FNL 2090 FWL

COUNTY: DUCHESNE

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

STATE: UT

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: 08/20/2010	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input 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 08-20-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 08/23/2010

(This space for State use only)

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AUG 25 2010

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry
MON BUTTE H-35-8-16
6/1/2010 To 10/30/2010

8/3/2010 Day: 1

Completion

Rigless on 8/3/2010 - Ran CBL & shot 1st stage - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6442' & cement top @ 230'. Perforate stage #1, CP5 sds @ 6292-6300' & CP4 sds @ 6187-91' w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 36 shots. 154 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$9,736

8/13/2010 Day: 2

Completion

Rigless on 8/13/2010 - Frac well. - RU The Perforators wireline. Set CBP & perf C sds as shown in perforation report. RU BJ Services. Frac C sds as shown in stimulation report. 1697 BWTR. - RU The Perforators wireline. Set CBP & perf CP.5 sds as shown in perforation report. RU BJ Services. Frac CP.5 sds as shown in stimulation report. 866 BWTR. - RU BJ Services. Frac CP5/CP4 sds as shown in stimulation report. 556 BWTR. - - RU The Perforators wireline. Set CBP & perf B2 sds as shown in perforation report. RU BJ Services. Frac B2 sds as shown in stimulation report. 1325 BWTR. - RU The Perforators wireline. Set CBP & perf D1 sds as shown in perforation report. RU BJ Services. Frac D1 sds as shown in stimulation report. 2066 BWTR. - RU The Perforators wireline. Set CBP & perf GB4 sds as shown in perforation report. RU BJ Services. Frac GB4 sds as shown in stimulation report. RD BJ Services & The Perforators wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 8 hrs & turned to oil. Recovered 1000 bbls. SWIFN. 1348 BWTR.

Daily Cost: \$0

Cumulative Cost: \$102,509

8/17/2010 Day: 3

Completion

WWS #1 on 8/17/2010 - Set kill plug. MIRU WWS #1. Change out BOP & WH. PU & RIH w/ 4 3/4" chomp bit. Drill out kill plug & 1 CFTBP. SIWFN w/ 1145 BWTR. - RU Perforators LLC WLT & Crane. Set kill plug @ 4450'. RD WL. MIRU WWS #1. ND BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit & 2 7/8" J-55 tbg. Tagged kill plug @ 4450'. RU Weatherford power swivel. D/O out kill plug (2 hrs). Continue PU tbg. Tagged plug @ 4580'. Drilled out in 21 mins. Circulate well clean. SIWFN w/ 1145 BWTR.

Daily Cost: \$0

Cumulative Cost: \$160,947

8/18/2010 Day: 4

Completion

WWS #1 on 8/18/2010 - DU CBPs. C/O to PBTB. Flow well. - Csg. @ 450 psi, tbg. @ 300 psi. Circulate well. RIH w/ tbg. Tag CBP @ 5140'. DU CBP in 24 min. Cont. RIH w/ tbg. Tag fill @ 5270'. C/O to CBP @ 5300'. CU CBP in 21 min. Cont. RIH w/ tbg. Tag CBP @ 5470'. DU CBP in 37 min. Cont. RIH w/ tbg. Tag fill @ 6390'. C/O to PBTB @ 6490'. Circulate well clean. Pull up to 6430'. RIH w/ swab. Made 6 runs. Well kicked off flowing. Recovered 160 bbls. Turn well over to pumps to flow overnight.

Daily Cost: \$0

Cumulative Cost: \$171,850

8/19/2010 Day: 5

Completion

WWS #1 on 8/19/2010 - Round trip tbg. PU partial rod string. - Csg. @ 500 psi, tbg. @ 350 psi. Bleed off well. Circulate well w/ 200 bbls 10#. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 199 jts 2 7/8" tbg. ND BOP. Set TAC @ 6254' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" RHAC rod pump, 4- 1 1/2" weight bars, 160- 7/8" guided rods (8 per). SWIFN w/ polished rod. 700 BWTR

Daily Cost: \$0

Cumulative Cost: \$180,423

8/20/2010 Day: 6

Completion

WWS #1 on 8/20/2010 - Cont. RIH w/ rods. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 10:00 a.m. 122" stroke length, 5 spm. Final Report. 700 BWTR. - Csg. @ 500 psi, tbg. @ 200 psi. Bleed off tbg. Cont. RIH w/ rods. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 10:00 a.m. 122" stroke length, 5 spm. Final Report. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$216,805

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

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

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

9. AFI Well No.
43-013-34149

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

10. Field and Pool or Exploratory
GREATER MB UNIT

At surface 635' FNL & 2070' FWL (NE/NW) SEC. 35, T8S, R16E (UTU-16535)

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

At top prod. interval reported below 1175' FNL & 2591' FWL (NE/NW) SEC. 35, T8S, R16E (UTU-16535)

12. County or Parish 13. State

At total depth 1469' FNL & 2422' FEL (SW/NE) SEC. 35, T8S, R16E (UTU-16535)

DUCHESNE UT

14. Date Spudded 06/23/2010 15. Date T.D. Reached 08/01/2010 16. Date Completed 08/19/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5519' GL 5531' KB

18. Total Depth: MD 6535' TVD 6406' 19. Plug Back T.D.: MD 6490' TVD 20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	313'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6525'		290 PRIMLITE		230'	
						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 @ 6353'	TA @ 6254'						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6187-6300' CP4 CP5	.36"	3	36
B) Green River			5956-5965' CP.5	.36"	3	18
C) Green River			5386-5418' B2	.36"	3	27
D) Green River			5241-5250' C	.36"	3	27

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

Depth Interval	Amount and Type of Material
6187-6300'	Frac w/ 30017#s 20/40 sand in 197 bbls of Lightning 17 fluid.
5956-5965'	Frac w/ 14995#s 20/40 sand in 127 bbls of Lightning 17 fluid.
5386-5418'	Frac w/ 45776#s 20/40 sand in 288 bbls of Lightning 17 fluid.
5241-5250'	Frac w/ 24808#s 20/40 sand in 205 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
8-18-10	8-30-10	24	→	5.74	1.67	23			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

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SEP 20 2010

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	4029' 4238'
				GARDEN GULCH 2 POINT 3	4358' 4633'
				X MRKR Y MRKR	4884' 4917'
				DOUGALS CREEK MRK BI CARBONATE MRK	5039' 5292'
				B LIMESTON MRK CASTLE PEAK	5427' 5934'
				BASAL CARBONATE	6371'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (D1) 5076-5081', .36" 3/15 Frac w/ 25306#'s of 20/40 sand in 205 bbls of Lightning 17 fluid

Stage 6: Green River Formation (GB4) 4525-4529', .36" 3/12 Frac w/ 16215#'s of 20/40 sand in 135 bbls of Lightning 17 fluid

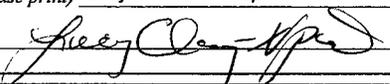
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- 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 09/14/2010

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.

Daily Activity Report

Format For Sundry

MON BUTTE H-35-8-16**5/1/2010 To 9/30/2010****MON BUTTE H-35-8-16****Waiting on Cement****Date:** 6/25/2010

Ross #29 at 315. Days Since Spud - 8 5/8" casing w/ 160 sks Class "G" + 2% CaCl₂ + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield. - On 6/23/10 Ross Rig #29 spud MB H-35-8-16, drilled 315' of 12 1/4" hole, and ran 7 jts 8 5/8" - casing (guide shoe, shoe jt, baffle plate, 6 jts) set @ 313.37' KB. On 6/25/10 BJ Services cemented - Returned 5 bbls to pit.

Daily Cost: \$0**Cumulative Cost:** \$28,302**MON BUTTE H-35-8-16****Waiting on Cement****Date:** 7/28/2010

NDSI #2 at 315. 0 Days Since Spud - Rig Down Prepair For Move To MB H-35-8-16

Daily Cost: \$0**Cumulative Cost:** \$36,177**MON BUTTE H-35-8-16****Drill 7 7/8" hole with fresh water****Date:** 7/29/2010

NDSI #2 at 2235. 1 Days Since Spud - And Choke To 2000 psi For 10 Mins. Test 8 5/8" Casing To 1500 psi For 30 mins Everything Tested OK. - Accept Rig On 7/28/10 At 1:00 PM. R/U B&C Quick Test Test Upper Kelly, Safety Valves, Pipe, Blind Ram - 7/28/10 MIRU Set Equipment With Marcus Liddell Trucking (4.3 Mille Move From L-25-8-16) - Notices Sent Via E-mail To State & BLM, Rig Move 7/28/10 @ 6:00 AM. And Bop Test @ 1:00 PM 7/28/10 - P/U BHA AS Follows Varel MV 616 7 7/8 PDC Bit, 6.5" Hunting 7/8 4.8 .33 1.5 Deg Mud Motor, 1x30' Monel - DC, 1x2' x-over, 1x3.5' Gap Sub, 1x2.8' x-over, 1x2.4' Antena Sub, 1x30' Monel DC, 26 jts HWDP. Tag Cement - @ 280' - Drill 7 7/8" Hole From 280' To 2235' 20,000 lbs WOB, 168 TRPM, 344 GPM, 192 fph AVG ROP. - No H₂s Reported Last 24 Hrs - Function Test Accumulator Test Ok, BLM Present For BOPE Testing.

Daily Cost: \$0**Cumulative Cost:** \$80,251**MON BUTTE H-35-8-16****Drill 7 7/8" hole with fresh water****Date:** 7/30/2010

NDSI #2 at 4517. 2 Days Since Spud - No H₂s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 3028' To 4517'. 20,000 lbs, 168 TRPM, 344 RPM, 85 fph AVG ROP - Rig Service, Check Crown-A-Matic, Function Test Bop's. Bop Drill Hands In Place 1 Min - Drill 7 7/8" Hole From 2235' To 3028'. 20,000 lbs WOB, 168 TRPM, 344 GPM, 132.1 fph AVG ROP - No Flow @ 4500

Daily Cost: \$0**Cumulative Cost:** \$99,700**MON BUTTE H-35-8-16****TIH****Date:** 7/31/2010

NDSI #2 at 5551. 3 Days Since Spud - Rig Service. Function Bop's Check Crown-A-Matic. (Bop Drill All Hands In Place In 1 Min.) - No Flow @ 5550' - No H₂s Reported Last 24 Hrs. - Trip Out For Bit - Circ Bottoms Up - Drill 7 7/8" Hole From 4897' To 5551'. 25,000 lbs WOB, 158 TRPM, 344 GPM, 46.7 fph AVG ROP - Drill 7 7/8" Hole From 4517' To 4897'. 20,000 lbs WOB, 158 TRPM, 344 GPM, 54.2 fph AVG ROP

Daily Cost: \$0**Cumulative Cost:** \$153,949

MON BUTTE H-35-8-16**Logging****Date:** 8/1/2010

NDSI #2 at 6535. 4 Days Since Spud - No H2s Reported Last 24 Hrs - No Flow At 6535' - Drill 7 7/8" Hole From 5753' To 6535' TD, 20,000 lbs WOB, 168 TRPM, 344 GPM, 82.3 fph AVG ROP - LDDP & BHA - Rig Service Function Test Bop's,,Check Crown-A-Matic - R/U Phoenix Surveys Log Well - TIH W/ Bit #2 - Wash From 5510' To 5551' (No Fill) - Drill 7 7/8" Hole From 5551' To 5753',20,000 lbs WOB,168 TRPM, 344 GPM,80.0 fph AVG ROP - Circ Hole For Laydown & Logs

Daily Cost: \$0**Cumulative Cost:** \$187,298

MON BUTTE H-35-8-16**Waiting on Cement****Date:** 8/2/2010

NDSI #2 at 6535. 5 Days Since Spud - Collar @ 6489.94' (3 jts Transferred To MB L-34-8-16) - R/U BJ Services Cement Head. Circ Casing With Rig Pump - R/U Marcus Liddell's Casing Crew. Run 154 jts 5.5' J-55 15.5# Casing Shoe Set@ 6524.85' Top Float - R/U BJ Services Test Lines To 3800 Psi, Pump 290 Sks Lead Cement Mixed @ 11.0 ppg With 3.50 yield - (PL II +3 % KCL+5#CSE+0.5#CF+2#KOL+.5sms+FP+SF) Then 401 Sks Mixed @ 14.4 ppg With 1.24 yield - (50:50:2+3%KCL+0.5EC-1+.25#CF+.05#SF+.3SMS+FP-6L) Displaced With 154.5 bbls. Returned 28 bbls To Pit - Bumped Plug To 1700 psi - Nipple Down Bop's, Set Slips With 97,000# Tension - Clean Mud Tanks - Released Rig @ 7:30 PM 8/1/10 - Log Well With DISGL/SP/GR Suite: From 6514' Loggers TD To Surfsce Casing. And DSN/SDL/GR/CAL Suite - R/U B&C Quick Test. Test 5 1/2" Pipe Rams To 2000 Psi For 10 Mins. Test OK. - Log From 6514' To 3000' **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$310,931

Pertinent Files: Go to File List

NEWFIELD



NEWFIELD EXPLORATION

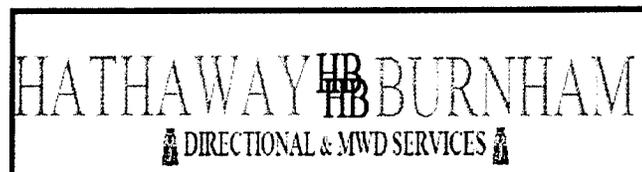
**USGS Myton SW (UT)
SECTION 35 T8S, R 16E
H-35-8-16**

Wellbore #1

Design: Actual

Standard Survey Report

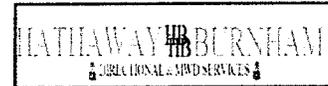
04 August, 2010





HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well H-35-8-16
TVD Reference: WELL @ 5521.0ft (RIG 2)
MD Reference: WELL @ 5521.0ft (RIG 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

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

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

Well	H-35-8-16, SHL LAT: 40 04 47.64, LONG -110 05 19.34					
Well Position	+N/-S	0.0 ft	Northing:	7,200,942.93ft	Latitude:	40° 4' 47.640 N
	+E/-W	0.0 ft	Easting:	2,035,295.20ft	Longitude:	110° 5' 19.340 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,521.0ft	Ground Level:	5,519.0ft	

Wellbore	Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength	
	IGRF200510	2009/12/09	(°)	(°)	(nT)	
			11.51	65.87	52,467	

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	136.55	

Survey Program	Date 2010/08/04				
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
329.0	6,524.0	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
329.0	0.75	179.03	329.0	-2.2	0.0	1.6	0.23	0.23	0.00
359.0	0.60	189.10	359.0	-2.5	0.0	1.8	0.64	-0.50	33.57
390.0	0.50	173.30	390.0	-2.8	0.0	2.0	0.58	-0.32	-50.97
420.0	0.50	147.70	420.0	-3.0	0.1	2.3	0.74	0.00	-85.33
451.0	0.60	109.70	451.0	-3.2	0.3	2.5	1.19	0.32	-122.58
482.0	1.00	94.80	482.0	-3.3	0.7	2.9	1.44	1.29	-48.06
512.0	1.10	82.00	512.0	-3.3	1.3	3.3	0.85	0.33	-42.67
543.0	1.50	75.90	543.0	-3.1	2.0	3.6	1.36	1.29	-19.68
574.0	1.90	73.50	574.0	-2.9	2.9	4.1	1.31	1.29	-7.74
604.0	2.30	75.10	603.9	-2.6	3.9	4.6	1.35	1.33	5.33
635.0	2.60	76.00	634.9	-2.3	5.2	5.2	0.98	0.97	2.90
665.0	3.00	79.80	664.9	-2.0	6.6	6.0	1.47	1.33	12.67



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 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-35-8-16
 TVD Reference: WELL @ 5521.0ft (RIG 2)
 MD Reference: WELL @ 5521.0ft (RIG 2)
 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)
696.0	3.50	82.00	695.8	-1.7	8.4	7.0	1.66	1.61	7.10
727.0	4.00	83.00	726.8	-1.4	10.4	8.2	1.63	1.61	3.23
758.0	4.40	86.60	757.7	-1.2	12.6	9.6	1.54	1.29	11.61
788.0	4.70	89.60	787.6	-1.1	15.0	11.2	1.28	1.00	10.00
819.0	4.80	94.60	818.5	-1.2	17.6	13.0	1.37	0.32	16.13
849.0	5.10	99.80	848.4	-1.6	20.1	15.0	1.80	1.00	17.33
880.0	5.70	105.30	879.2	-2.2	23.0	17.4	2.55	1.94	17.74
912.0	6.20	110.10	911.0	-3.2	26.1	20.3	2.20	1.56	15.00
944.0	6.20	110.70	942.9	-4.4	29.4	23.4	0.20	0.00	1.88
976.0	6.20	111.70	974.7	-5.7	32.6	26.5	0.34	0.00	3.13
1,007.0	6.60	114.70	1,005.5	-7.0	35.8	29.7	1.68	1.29	9.68
1,039.0	6.90	117.30	1,037.3	-8.7	39.2	33.2	1.34	0.94	8.13
1,070.0	7.20	122.20	1,068.0	-10.6	42.5	36.9	2.17	0.97	15.81
1,102.0	7.80	126.90	1,099.8	-12.9	45.9	41.0	2.68	1.88	14.69
1,134.0	8.30	130.70	1,131.4	-15.8	49.4	45.4	2.28	1.56	11.88
1,166.0	8.80	133.30	1,163.1	-18.9	52.9	50.1	1.97	1.56	8.13
1,197.0	9.30	135.40	1,193.7	-22.3	56.4	55.0	1.93	1.61	6.77
1,229.0	9.80	136.60	1,225.3	-26.2	60.1	60.3	1.68	1.56	3.75
1,261.0	10.60	136.10	1,256.7	-30.3	64.0	66.0	2.52	2.50	-1.56
1,292.0	11.30	135.50	1,287.2	-34.5	68.1	71.9	2.29	2.26	-1.94
1,324.0	11.60	135.10	1,318.5	-39.0	72.6	78.2	0.97	0.94	-1.25
1,356.0	11.80	134.70	1,349.9	-43.6	77.2	84.7	0.67	0.63	-1.25
1,387.0	11.90	135.40	1,380.2	-48.1	81.7	91.1	0.56	0.32	2.26
1,419.0	12.10	135.40	1,411.5	-52.8	86.3	97.7	0.63	0.63	0.00
1,450.0	12.30	135.80	1,441.8	-57.5	90.9	104.3	0.70	0.65	1.29
1,482.0	12.30	136.50	1,473.1	-62.4	95.6	111.1	0.47	0.00	2.19
1,514.0	12.60	137.40	1,504.3	-67.5	100.3	118.0	1.12	0.94	2.81
1,546.0	12.70	137.90	1,535.6	-72.6	105.1	125.0	0.46	0.31	1.56
1,577.0	12.70	138.60	1,565.8	-77.7	109.6	131.8	0.50	0.00	2.26
1,609.0	12.90	138.60	1,597.0	-83.0	114.3	138.9	0.63	0.63	0.00
1,640.0	13.00	138.60	1,627.2	-88.3	118.9	145.8	0.32	0.32	0.00
1,672.0	13.00	138.60	1,658.4	-93.7	123.6	153.0	0.00	0.00	0.00
1,704.0	13.00	138.80	1,689.6	-99.1	128.4	160.2	0.14	0.00	0.63
1,736.0	13.20	138.00	1,720.7	-104.5	133.2	167.5	0.84	0.63	-2.50
1,767.0	13.20	138.60	1,750.9	-109.8	137.9	174.5	0.44	0.00	1.94
1,799.0	13.10	137.90	1,782.1	-115.2	142.8	181.8	0.59	-0.31	-2.19
1,830.0	12.80	138.00	1,812.3	-120.4	147.4	188.8	0.97	-0.97	0.32
1,862.0	12.50	138.00	1,843.5	-125.6	152.1	195.8	0.94	-0.94	0.00
1,894.0	12.40	137.70	1,874.8	-130.7	156.7	202.7	0.37	-0.31	-0.94
1,926.0	12.20	136.70	1,906.0	-135.7	161.4	209.5	0.91	-0.63	-3.13
1,957.0	12.00	135.70	1,936.3	-140.4	165.9	216.0	0.93	-0.65	-3.23
1,989.0	11.50	136.00	1,967.7	-145.1	170.4	222.5	1.57	-1.56	0.94
2,021.0	10.90	135.70	1,999.1	-149.5	174.7	228.7	1.88	-1.88	-0.94
2,052.0	10.50	136.70	2,029.5	-153.7	178.7	234.5	1.42	-1.29	3.23
2,084.0	10.40	138.00	2,061.0	-157.9	182.7	240.3	0.80	-0.31	4.06
2,116.0	10.30	138.30	2,092.5	-162.2	186.5	246.0	0.36	-0.31	0.94
2,148.0	10.40	138.20	2,123.9	-166.5	190.3	251.8	0.32	0.31	-0.31
2,179.0	10.30	138.30	2,154.4	-170.7	194.0	257.3	0.33	-0.32	0.32
2,211.0	10.10	138.20	2,185.9	-174.9	197.8	263.0	0.63	-0.63	-0.31
2,243.0	9.80	138.10	2,217.5	-179.0	201.5	268.5	0.94	-0.94	-0.31
2,274.0	9.60	140.00	2,248.0	-183.0	204.9	273.7	1.22	-0.65	6.13
2,306.0	9.70	141.40	2,279.6	-187.1	208.3	279.1	0.80	0.31	4.38
2,338.0	9.90	141.50	2,311.1	-191.4	211.7	284.5	0.63	0.63	0.31
2,369.0	10.00	140.80	2,341.6	-195.5	215.1	289.9	0.51	0.32	-2.26



HATHAWAY BURNHAM

Survey Report



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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)
2,401.0	10.00	139.70	2,373.1	-199.8	218.6	295.4	0.60	0.00	-3.44
2,433.0	10.10	140.10	2,404.7	-204.1	222.2	301.0	0.38	0.31	1.25
2,465.0	10.20	140.00	2,436.2	-208.4	225.8	306.6	0.32	0.31	-0.31
2,496.0	10.60	139.10	2,466.6	-212.7	229.5	312.2	1.39	1.29	-2.90
2,528.0	11.20	137.90	2,498.1	-217.2	233.5	318.2	2.00	1.88	-3.75
2,561.0	11.40	137.90	2,530.4	-222.0	237.8	324.7	0.61	0.61	0.00
2,592.0	11.40	138.10	2,560.8	-226.5	241.9	330.8	0.13	0.00	0.65
2,623.0	11.50	138.40	2,591.2	-231.1	246.0	337.0	0.38	0.32	0.97
2,655.0	11.70	138.30	2,622.5	-235.9	250.3	343.4	0.63	0.63	-0.31
2,686.0	11.70	136.50	2,652.9	-240.6	254.5	349.7	1.18	0.00	-5.81
2,718.0	11.70	135.20	2,684.2	-245.2	259.1	356.2	0.82	0.00	-4.06
2,750.0	11.70	134.80	2,715.6	-249.8	263.7	362.7	0.25	0.00	-1.25
2,781.0	11.70	134.50	2,745.9	-254.2	268.1	369.0	0.20	0.00	-0.97
2,813.0	11.60	134.20	2,777.3	-258.7	272.7	375.4	0.37	-0.31	-0.94
2,845.0	11.50	133.60	2,808.6	-263.2	277.4	381.8	0.49	-0.31	-1.88
2,877.0	11.80	134.00	2,840.0	-267.7	282.0	388.3	0.97	0.94	1.25
2,908.0	12.00	132.70	2,870.3	-272.0	286.7	394.7	1.08	0.65	-4.19
2,940.0	12.30	131.50	2,901.6	-276.6	291.7	401.4	1.23	0.94	-3.75
2,972.0	12.70	132.50	2,932.8	-281.2	296.8	408.3	1.42	1.25	3.13
3,004.0	13.40	135.00	2,964.0	-286.2	302.0	415.5	2.81	2.19	7.81
3,035.0	14.10	136.70	2,994.1	-291.5	307.2	422.9	2.61	2.26	5.48
3,067.0	14.90	137.40	3,025.1	-297.3	312.6	430.9	2.56	2.50	2.19
3,098.0	15.60	138.80	3,055.0	-303.4	318.1	439.0	2.55	2.26	4.52
3,130.0	15.80	138.70	3,085.8	-309.9	323.8	447.7	0.63	0.63	-0.31
3,162.0	15.50	139.20	3,116.6	-316.4	329.4	456.3	1.03	-0.94	1.56
3,194.0	15.10	139.10	3,147.5	-322.8	335.0	464.7	1.25	-1.25	-0.31
3,226.0	14.50	139.20	3,178.4	-329.0	340.3	472.9	1.88	-1.88	0.31
3,257.0	13.40	139.90	3,208.5	-334.7	345.2	480.4	3.59	-3.55	2.26
3,289.0	13.00	140.50	3,239.7	-340.3	349.8	487.6	1.32	-1.25	1.88
3,320.0	13.40	141.50	3,269.8	-345.8	354.3	494.7	1.49	1.29	3.23
3,352.0	13.70	141.10	3,300.9	-351.7	359.0	502.2	0.98	0.94	-1.25
3,384.0	12.70	140.30	3,332.1	-357.3	363.6	509.5	3.18	-3.13	-2.50
3,416.0	11.20	140.00	3,363.4	-362.4	367.9	516.1	4.69	-4.69	-0.94
3,447.0	10.70	140.30	3,393.8	-366.9	371.6	522.0	1.62	-1.61	0.97
3,479.0	10.90	139.60	3,425.3	-371.5	375.5	527.9	0.75	0.63	-2.19
3,511.0	11.80	139.40	3,456.6	-376.3	379.6	534.2	2.82	2.81	-0.63
3,542.0	12.30	140.30	3,487.0	-381.2	383.7	540.7	1.72	1.61	2.90
3,574.0	12.50	140.00	3,518.2	-386.5	388.1	547.5	0.66	0.63	-0.94
3,606.0	12.60	139.40	3,549.5	-391.8	392.6	554.5	0.51	0.31	-1.88
3,637.0	12.50	138.30	3,579.7	-396.9	397.1	561.2	0.84	-0.32	-3.55
3,669.0	12.90	135.70	3,610.9	-402.0	401.9	568.3	2.18	1.25	-8.13
3,701.0	13.00	135.40	3,642.1	-407.2	406.9	575.4	0.38	0.31	-0.94
3,732.0	13.40	136.50	3,672.3	-412.2	411.8	582.5	1.52	1.29	3.55
3,764.0	13.70	137.50	3,703.4	-417.7	416.9	590.0	1.19	0.94	3.13
3,796.0	13.40	138.40	3,734.5	-423.3	422.0	597.5	1.15	-0.94	2.81
3,827.0	13.10	138.20	3,764.7	-428.6	426.7	604.6	0.98	-0.97	-0.65
3,859.0	13.00	137.60	3,795.9	-434.0	431.5	611.8	0.53	-0.31	-1.88
3,891.0	12.80	138.20	3,827.1	-439.3	436.3	619.0	0.75	-0.63	1.88
3,923.0	12.40	138.40	3,858.3	-444.5	441.0	625.9	1.26	-1.25	0.63
3,954.0	12.40	138.50	3,888.6	-449.5	445.4	632.6	0.07	0.00	0.32
3,986.0	12.50	139.50	3,919.8	-454.7	449.9	639.5	0.74	0.31	3.13
4,018.0	12.10	139.60	3,951.1	-459.9	454.3	646.3	1.25	-1.25	0.31
4,049.0	11.70	138.00	3,981.4	-464.7	458.5	652.7	1.67	-1.29	-5.16
4,081.0	11.60	138.50	4,012.7	-469.5	462.8	659.1	0.44	-0.31	1.56



HATHAWAY BURNHAM

Survey Report

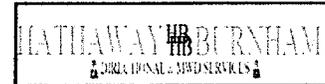


Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 35 T8S, R 16E
 Well: H-35-8-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well H-35-8-16
 TVD Reference: WELL @ 5521.0ft (RIG 2)
 MD Reference: WELL @ 5521.0ft (RIG 2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,113.0	11.60	138.90	4,044.1	-474.3	467.1	665.6	0.25	0.00	1.25
4,144.0	11.80	138.90	4,074.5	-479.1	471.2	671.8	0.65	0.65	0.00
4,176.0	12.00	139.50	4,105.8	-484.1	475.5	678.4	0.73	0.63	1.88
4,208.0	12.00	140.40	4,137.1	-489.1	479.8	685.1	0.58	0.00	2.81
4,239.0	12.30	142.10	4,167.4	-494.2	483.9	691.6	1.51	0.97	5.48
4,271.0	12.30	142.00	4,198.6	-499.6	488.1	698.4	0.07	0.00	-0.31
4,303.0	12.30	141.20	4,229.9	-505.0	492.3	705.2	0.53	0.00	-2.50
4,335.0	12.30	141.60	4,261.2	-510.3	496.6	711.9	0.27	0.00	1.25
4,366.0	12.00	142.20	4,291.5	-515.4	500.6	718.4	1.05	-0.97	1.94
4,398.0	11.60	142.20	4,322.8	-520.6	504.6	725.0	1.25	-1.25	0.00
4,430.0	11.60	141.90	4,354.1	-525.7	508.6	731.4	0.19	0.00	-0.94
4,461.0	11.70	140.70	4,384.5	-530.5	512.5	737.6	0.85	0.32	-3.87
4,493.0	11.80	140.10	4,415.8	-535.6	516.6	744.1	0.49	0.31	-1.88
4,524.0	12.00	141.10	4,446.2	-540.5	520.7	750.5	0.93	0.65	3.23
4,555.0	12.30	137.90	4,476.5	-545.5	524.9	757.0	2.38	0.97	-10.32
4,587.0	12.40	136.30	4,507.7	-550.5	529.6	763.8	1.11	0.31	-5.00
4,619.0	12.40	136.00	4,539.0	-555.4	534.3	770.7	0.20	0.00	-0.94
4,650.0	12.00	136.50	4,569.3	-560.2	538.9	777.3	1.33	-1.29	1.61
4,682.0	11.60	136.40	4,600.6	-564.9	543.4	783.8	1.25	-1.25	-0.31
4,714.0	11.30	135.80	4,632.0	-569.5	547.8	790.2	1.01	-0.94	-1.88
4,746.0	11.10	136.10	4,663.4	-573.9	552.1	796.4	0.65	-0.63	0.94
4,777.0	11.20	137.30	4,693.8	-578.3	556.2	802.4	0.82	0.32	3.87
4,809.0	11.20	138.40	4,725.2	-582.9	560.4	808.6	0.67	0.00	3.44
4,841.0	11.20	139.20	4,756.6	-587.6	564.5	814.8	0.49	0.00	2.50
4,873.0	11.20	139.80	4,787.9	-592.3	568.5	821.0	0.36	0.00	1.88
4,904.0	11.20	139.40	4,818.4	-596.9	572.4	827.0	0.25	0.00	-1.29
4,936.0	11.30	139.30	4,849.7	-601.6	576.5	833.2	0.32	0.31	-0.31
4,967.0	11.30	139.40	4,880.1	-606.3	580.4	839.3	0.06	0.00	0.32
4,999.0	11.20	139.10	4,911.5	-611.0	584.5	845.5	0.36	-0.31	-0.94
5,031.0	11.10	137.70	4,942.9	-615.6	588.6	851.7	0.90	-0.31	-4.38
5,063.0	11.20	136.10	4,974.3	-620.1	592.9	857.9	1.02	0.31	-5.00
5,094.0	11.80	134.80	5,004.7	-624.5	597.2	864.1	2.11	1.94	-4.19
5,126.0	12.20	134.90	5,036.0	-629.2	601.9	870.7	1.25	1.25	0.31
5,158.0	11.80	135.20	5,067.3	-633.9	606.6	877.4	1.27	-1.25	0.94
5,189.0	11.30	135.70	5,097.7	-638.4	611.0	883.6	1.64	-1.61	1.61
5,221.0	10.80	136.50	5,129.1	-642.8	615.2	889.7	1.63	-1.56	2.50
5,253.0	10.70	138.80	5,160.5	-647.2	619.2	895.7	1.38	-0.31	7.19
5,285.0	10.60	139.90	5,192.0	-651.7	623.1	901.6	0.71	-0.31	3.44
5,316.0	10.20	139.80	5,222.5	-655.9	626.7	907.2	1.29	-1.29	-0.32
5,348.0	9.80	140.40	5,254.0	-660.2	630.3	912.7	1.29	-1.25	1.88
5,380.0	9.70	139.90	5,285.5	-664.4	633.7	918.2	0.41	-0.31	-1.56
5,393.9	10.00	138.86	5,299.2	-666.2	635.3	920.5	2.52	2.17	-7.47
H-35-8-16 TGT									
5,412.0	10.40	137.60	5,317.0	-668.6	637.4	923.7	2.52	2.20	-6.97
5,443.0	11.00	136.70	5,347.5	-672.8	641.3	929.5	2.01	1.94	-2.90
5,475.0	10.90	136.50	5,378.9	-677.2	645.5	935.6	0.33	-0.31	-0.63
5,507.0	10.30	136.40	5,410.3	-681.5	649.6	941.4	1.88	-1.88	-0.31
5,539.0	9.90	137.30	5,441.9	-685.6	653.4	947.1	1.34	-1.25	2.81
5,570.0	9.80	138.50	5,472.4	-689.5	657.0	952.4	0.74	-0.32	3.87
5,602.0	9.80	139.10	5,503.9	-693.6	660.6	957.8	0.32	0.00	1.88
5,633.0	9.60	139.00	5,534.5	-697.5	664.0	963.0	0.65	-0.65	-0.32
5,665.0	9.40	137.20	5,566.0	-701.5	667.5	968.3	1.12	-0.63	-5.63
5,697.0	10.40	134.00	5,597.6	-705.4	671.4	973.8	3.57	3.13	-10.00
5,728.0	11.60	134.20	5,628.0	-709.5	675.6	979.7	3.87	3.87	0.65



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Local Co-ordinate Reference: Well H-35-8-16
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 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,760.0	11.40	134.70	5,659.4	-714.0	680.2	986.1	0.70	-0.63	1.56
5,792.0	10.70	136.30	5,690.8	-718.3	684.5	992.2	2.39	-2.19	5.00
5,824.0	9.90	138.30	5,722.2	-722.5	688.3	997.9	2.74	-2.50	6.25
5,855.0	9.60	138.40	5,752.8	-726.5	691.8	1,003.2	0.97	-0.97	0.32
5,887.0	9.90	138.00	5,784.3	-730.5	695.4	1,008.6	0.96	0.94	-1.25
5,918.0	9.90	138.30	5,814.9	-734.5	699.0	1,013.9	0.17	0.00	0.97
5,950.0	9.70	137.50	5,846.4	-738.5	702.6	1,019.4	0.76	-0.63	-2.50
5,982.0	10.20	136.10	5,877.9	-742.6	706.4	1,024.9	1.74	1.56	-4.38
6,014.0	11.30	135.20	5,909.4	-746.8	710.6	1,030.9	3.48	3.44	-2.81
6,046.0	12.00	135.80	5,940.7	-751.4	715.1	1,037.3	2.22	2.19	1.88
6,077.0	12.10	136.40	5,971.0	-756.1	719.6	1,043.8	0.52	0.32	1.94
6,109.0	12.10	135.80	6,002.3	-760.9	724.3	1,050.5	0.39	0.00	-1.88
6,141.0	12.70	136.50	6,033.6	-765.9	729.0	1,057.4	1.93	1.88	2.19
6,172.0	12.90	137.00	6,063.8	-770.9	733.7	1,064.2	0.74	0.65	1.61
6,204.0	13.00	138.00	6,095.0	-776.2	738.6	1,071.4	0.77	0.31	3.13
6,236.0	13.20	138.00	6,126.1	-781.6	743.4	1,078.7	0.63	0.63	0.00
6,267.0	13.80	136.70	6,156.3	-786.9	748.3	1,085.9	2.17	1.94	-4.19
6,299.0	14.40	136.50	6,187.3	-792.5	753.7	1,093.7	1.88	1.88	-0.63
6,331.0	14.50	136.50	6,218.3	-798.3	759.2	1,101.7	0.31	0.31	0.00
6,364.0	13.90	139.70	6,250.3	-804.4	764.6	1,109.8	2.99	-1.82	9.70
6,394.0	13.50	140.50	6,279.5	-809.8	769.2	1,116.9	1.48	-1.33	2.67
6,426.0	13.40	141.30	6,310.6	-815.6	773.9	1,124.3	0.66	-0.31	2.50
6,458.0	13.70	141.70	6,341.7	-821.5	778.5	1,131.8	0.98	0.94	1.25
6,468.0	13.60	142.00	6,351.4	-823.3	780.0	1,134.1	1.23	-1.00	3.00
6,524.0	13.40	142.50	6,405.9	-833.6	788.0	1,147.1	0.41	-0.36	0.89

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
H-35-8-16 TGT	0.00	0.00	5,300.0	-664.7	629.7	7,200,288.20	2,035,935.33	40° 4' 41.070 N	110° 5' 11.238 W
- actual wellpath misses by 5.8ft at 5393.9ft MD (5299.2 TVD, -666.2 N, 635.3 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____



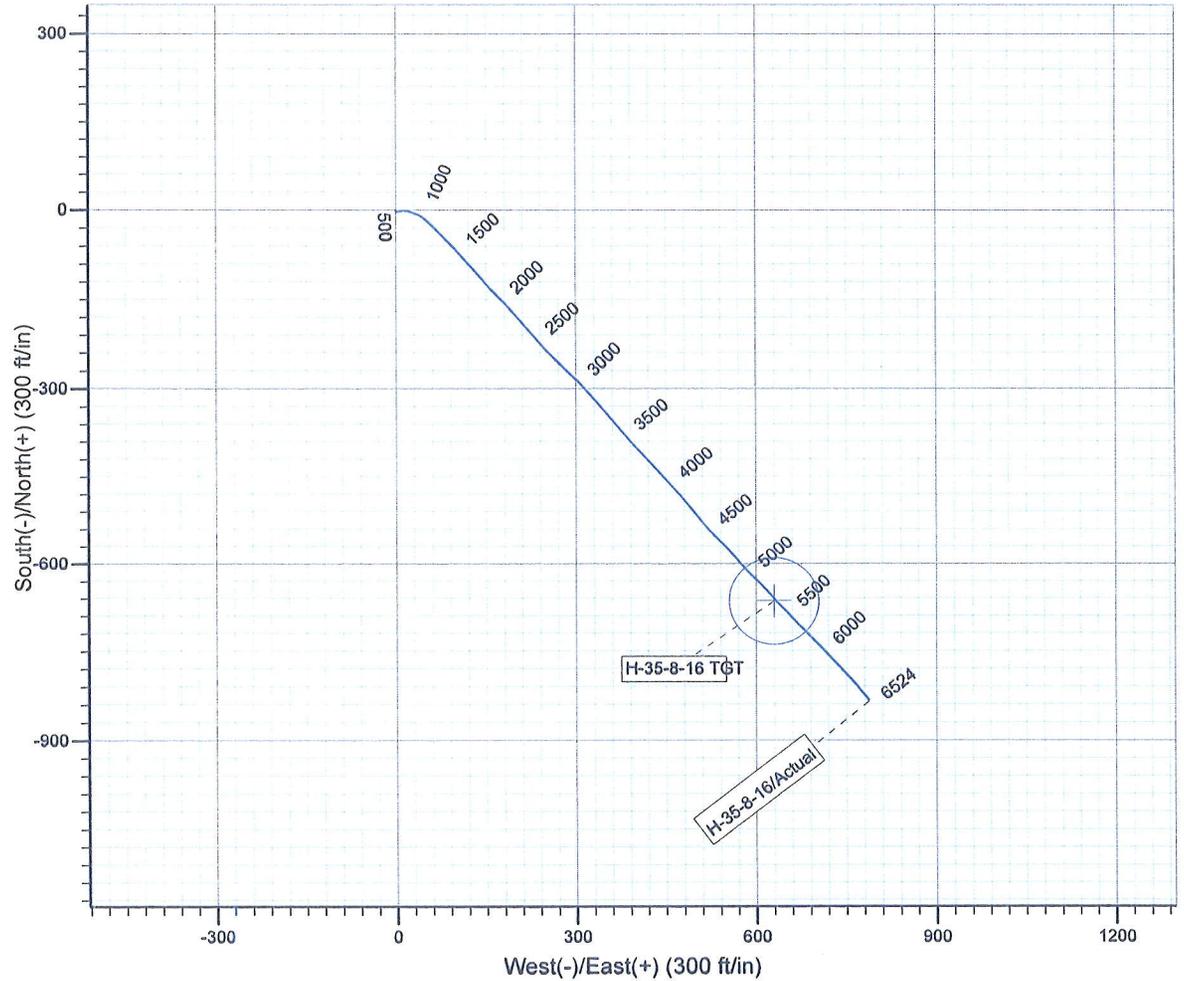
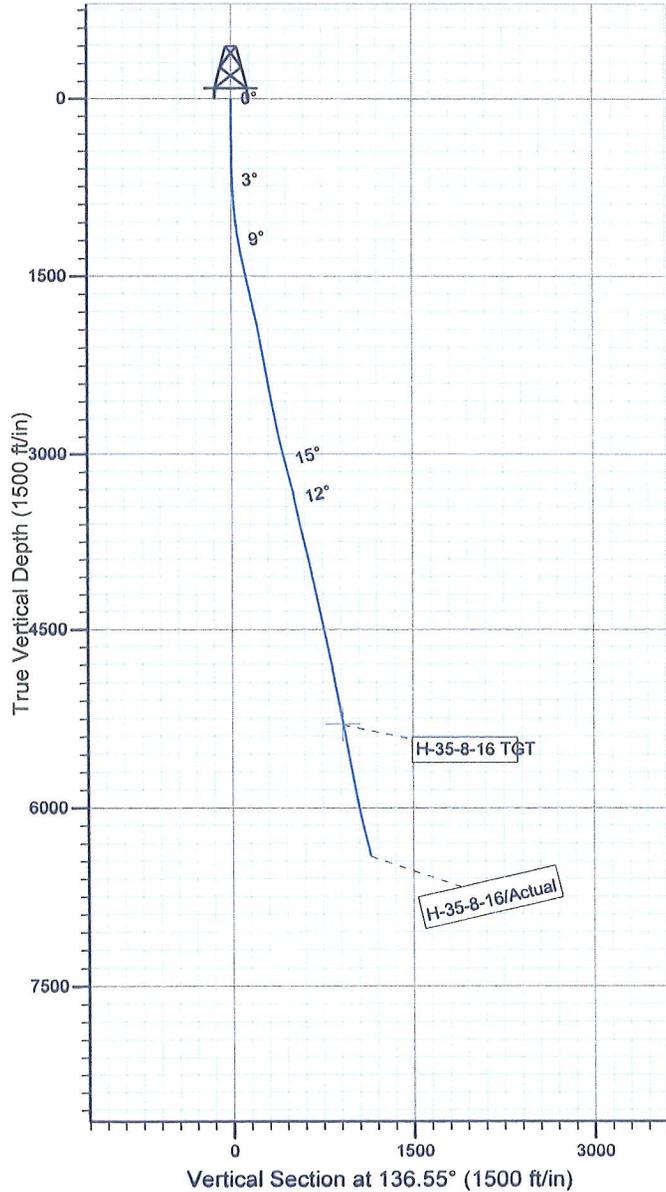
Project: USGS Myton SW (UT)
 Site: SECTION 35 T8S, R 16E
 Well: H-35-8-16
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.51°

Magnetic Field
 Strength: 52466.8snT
 Dip Angle: 65.87°
 Date: 2009/12/09
 Model: IGRF200510



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

Created By: *Jim Hudson* Date: 10:30, August 04 2010
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.