

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.  
UTU-67170

6. If Indian, Allottee or Tribe Name  
N/A

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

7. If Unit or CA Agreement, Name and No.  
Monument Butte NE

8. Lease Name and Well No.  
Mon. Butte NE Federal H-25-8-16

2. Name of Operator  
Newfield Production Company

9. API Well No.  
43013-33273

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

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

10. Field and Pobl, or Exploratory  
Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/NW 740' FNL 1958' FWL  
At proposed prod. zone 1320' FNL 2644' FWL

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 25, T8S R16E

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 12.1 miles southwest of Myton, Utah

12. County or Parish  
Duchesne

13. State  
UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1324' f/lse, 1324' f/unit

16. No. of Acres in lease  
1,879.869

17. Spacing Unit dedicated to this well  
20 Acres

18. Distance from proposed\* location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1262'

19. Proposed Depth  
6636'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5434' GL

22. Approximate date work will start\*  
4th Quarter 2006

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandi Crozier* Name (Printed/Typed) Mandie Crozier Date 8/8/06  
Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 08-28-06  
Title Office ENVIRONMENTAL MANAGER

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

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

\*(Instructions on reverse)

Surf 579339  
4438405Y  
40.04090  
-110.06246

BHL  
579339X  
4438231Y  
40.04090  
-110.06246

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AUG 09 2006

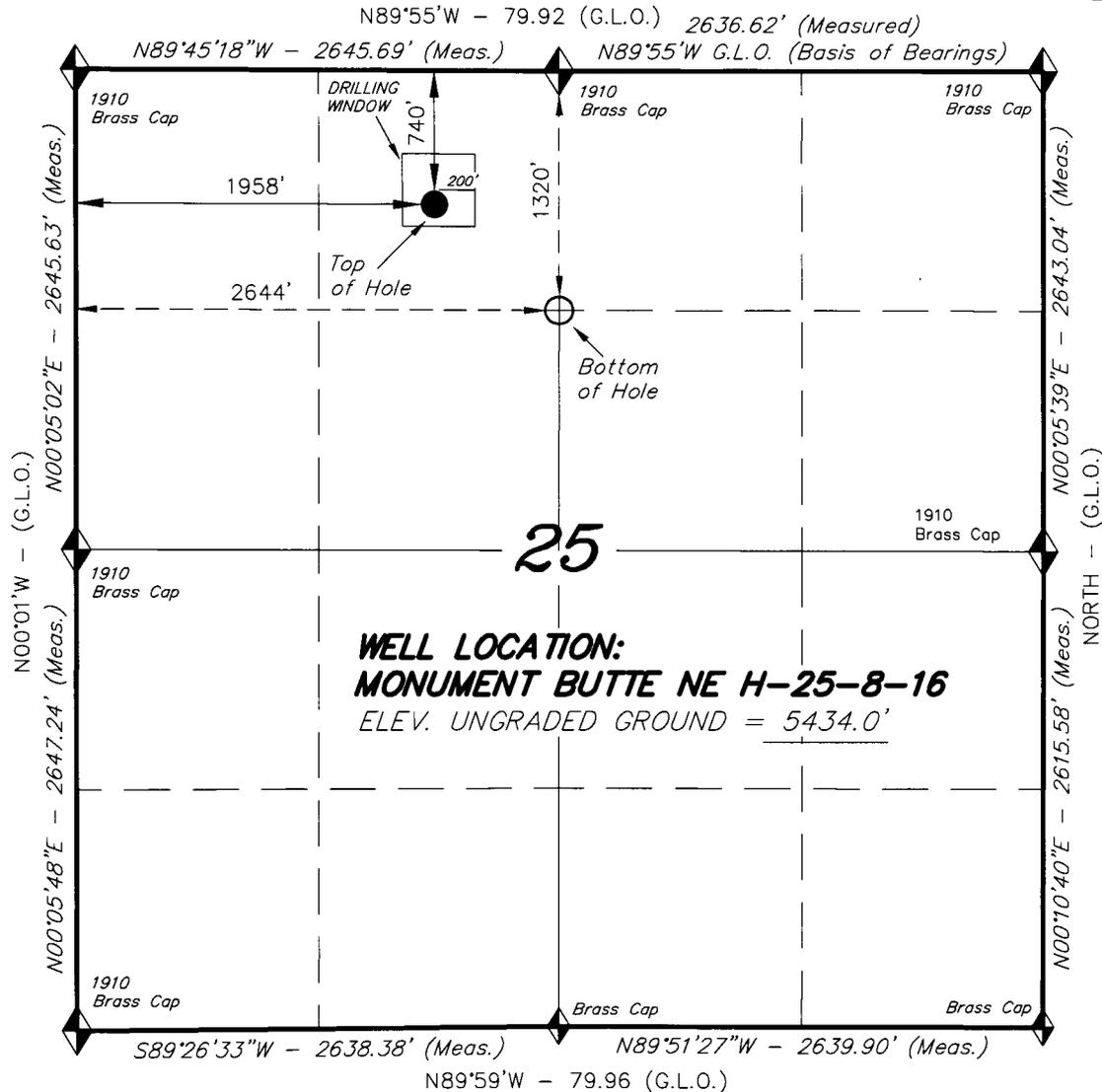
Federal Approval of this Action is Necessary

DIV. OF OIL, GAS & LEASING

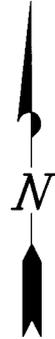
# T8S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

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



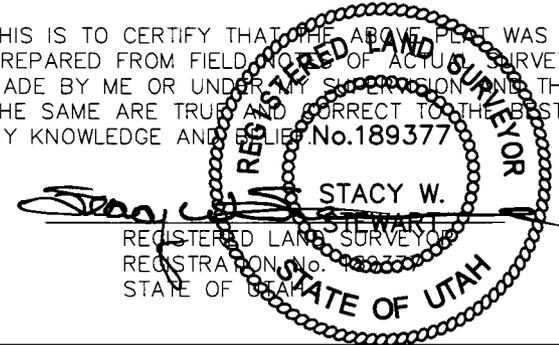
**WELL LOCATION:**  
**MONUMENT BUTTE NE H-25-8-16**  
 ELEV. UNGRADED GROUND = 5434.0'



**Note:**

1. The bottom of hole bears S49°34'07"E 899.79' from the well head.

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: 5-20-06	SURVEYED BY: J.K.
DATE DRAWN: 05-22-06	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 NE H-25-8-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 05' 38.68"  
 LONGITUDE = 110° 04' 12.76"



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

Re: Directional Drilling R649-3-11; Monument Butte NE Area  
BLM Lease #s U-67170 (surface & bottomhole), Duchesne Co., UT  
**Mon. Butte NE Q-24-8-16**; 644' FSL, 1966' FWL (at surface)  
1324' FSL, 1323' FWL (bottomhole)  
Section 24-T8S-R16E  
**Mon. Butte NE Q-25-8-16**; 533' FSL, 1976' FWL (at surface)  
1316' FSL, 1320' FWL (bottomhole)  
**Mon. Butte NE H-25-8-16**; 740' FNL, 1958' FWL (at surface)  
1320' FNL, 2644' FWL (bottomhole)  
**Mon. Butte NE C-25-8-16**; 667' FNL, 1999' FEL (at surface)  
0' FNL, 2637' FEL (bottomhole)  
Section 25-T8S-R16E

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permit to Drill dated 08/08/06 (copies enclosed herewith) which concern the wells referenced above, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

These drillsite locations are located on Federal Lease #U-67170. NPC is permitting these wells as directional wells in order to minimize surface disturbance. Locating the wells at the surface location and directionally drilling from these locations, NPC will be able to utilize the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that it is the owner of 100% of the working interest in all of the lands covered by U-67170 and all lands within 460 feet of the entire directional well bores.

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**AUG 25 2006**

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

Ms. Diana Whitney  
August 22, 2006  
Page Two

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

Sincerely,

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

Rhonda Deimer  
Land Associate

**NEWFIELD PRODUCTION COMPANY  
MON. BUTTE NE FEDERAL #H-25-8-16  
AT SURFACE: NE/NW SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 3256'
Green River	3256'
Wasatch	6636'

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

Green River Formation 3256' – 6636' - Oil

**4. PROPOSED CASING PROGRAM**

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

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

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

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
MON. BUTTE NE FEDERAL #H-25-8-16  
AT SURFACE: NE/NW SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Mon. Butte NE Federal #H-25-8-16 located in the NE 1/4 NW 1/4 Section 25, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.7 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.8 miles  $\pm$  to the existing Mon. Butte Fed. 3-25-8-16 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Mon. Butte Fed. 3-25-8-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the Mon. Butte Fed. 3-25-8-16 well pad. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Mon. Butte NE Federal H-25-8-16 will be drilled off of the existing Mon. Butte Fed. 3-25-8-16 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

**9. WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

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

11. OTHER ADDITIONAL INFORMATION

Newfield Production Company requests 1,320' of disturbed area in Lease UTU-67170 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

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

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

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Mon. Butte NE Federal #H-25-8-16 was on-sited on 5/25/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Nate West (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

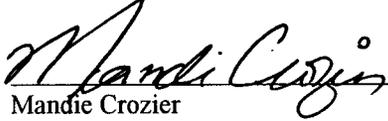
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-25-8-16 NE/NW Section 25, Township 8S, Range 16E: Lease UTU-67170 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

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

8/8/06

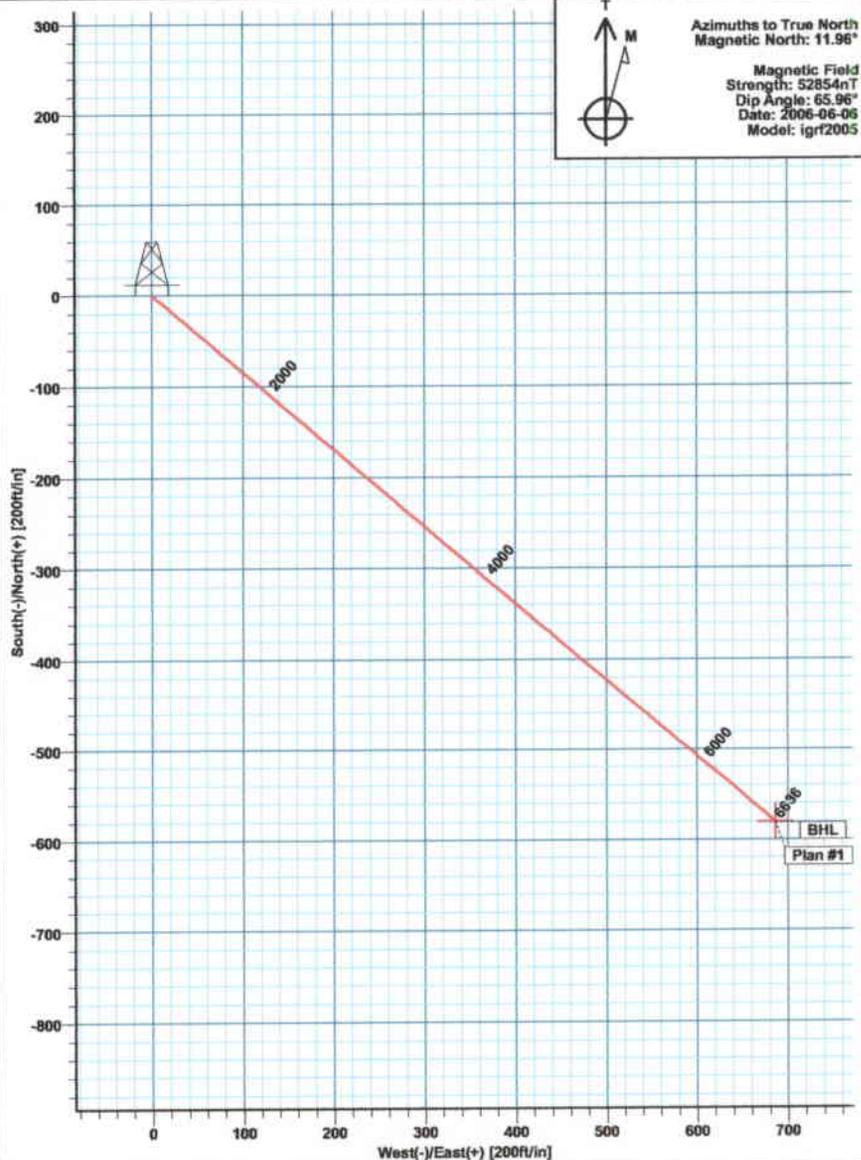
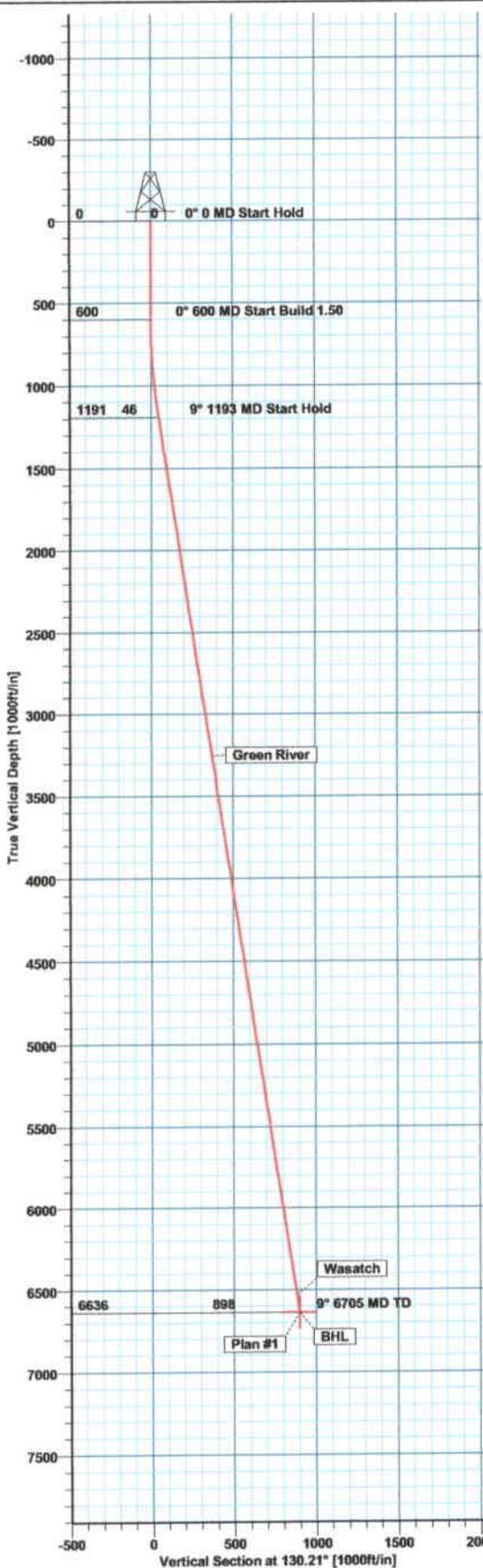
\_\_\_\_\_  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



Azimuths to True North  
Magnetic North: 11.96°

Magnetic Field  
Strength: 52854nT  
Dip Angle: 65.98°  
Date: 2006-06-06  
Model: igrf2005



**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLag	TFac	V8ec	Target
1	0.00	0.00	130.21	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	130.21	600.00	0.00	0.00	0.00	0.00	0.00	
3	1193.11	0.00	130.21	1193.73	-25.67	35.89	1.50	130.21	45.95	
4	6704.89	0.00	130.21	6705.00	-500.00	000.00	0.00	0.00	600.33	BHL

**WELL DETAILS**

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
MBNE H-25-8-16	0.00	0.00	7200203.25	2040391.01	40°05'38.600N	110°04'12.760W	N/A

**SITE DETAILS**

Monument Butte NE H-25-8-16  
Sec. 25 T8S R16E

Site Centre Latitude: 40°05'38.600N  
Longitude: 110°04'12.760W

Ground Level: 5434.00  
Positional Uncertainty: 0.00  
Convergence: 0.92

**Plan: Plan #1 (MBNE H-25-8-16/OH)**

Created By: Julie Seaman      Date: 2006-06-06

**FIELD DETAILS**

Duchesne County, UT

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igrf2005

System Datum: Mean Sea Level  
Local North: True North



# Scientific Drilling International Planning Report

<b>Company:</b> Newfield Exploration Co.	<b>Date:</b> 2006-06-06	<b>Time:</b> 15:35:50	<b>Page:</b> 1
<b>Field:</b> Duchesne County, UT	<b>Co-ordinate(NE) Reference:</b> Well: MBNE H-25-8-16, True North		
<b>Site:</b> Monument Butte NE H-25-8-16	<b>Vertical (TVD) Reference:</b> GL 5434' & RKB 12' 5446.0		
<b>Well:</b> MBNE H-25-8-16	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,130.21Azi)		
<b>Wellpath:</b> OH	<b>Plan:</b> Plan #1		

**Field:** Duchesne County, UT

<b>Map System:</b> US State Plane Coordinate System 1983	<b>Map Zone:</b> Utah, Central Zone
<b>Geo Datum:</b> GRS 1980	<b>Coordinate System:</b> Well Centre
<b>Sys Datum:</b> Mean Sea Level	<b>Geomagnetic Model:</b> igr2005

**Site:** Monument Butte NE H-25-8-16  
Sec. 25 T8S R16E

<b>Site Position:</b>	<b>Northing:</b> 7206203.25 ft	<b>Latitude:</b> 40 5 38.680 N	
<b>From:</b> Geographic	<b>Easting:</b> 2040391.01 ft	<b>Longitude:</b> 110 4 12.760 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5434.00 ft		<b>Grid Convergence:</b> 0.92 deg	

**Well:** MBNE H-25-8-16  
SHL: 740' FNL, 1958' FWL

<b>Well Position:</b>	<b>Northing:</b> 7206203.25 ft	<b>Latitude:</b> 40 5 38.680 N	
<b>+N/-S</b> 0.00 ft	<b>Easting:</b> 2040391.01 ft	<b>Longitude:</b> 110 4 12.760 W	
<b>+E/-W</b> 0.00 ft			
<b>Position Uncertainty:</b> 0.00 ft			

**Wellpath:** OH

<b>Current Datum:</b> GL 5434' & RKB 12'	<b>Height</b> 5446.00 ft	<b>Drilled From:</b> Surface	
<b>Magnetic Data:</b> 2006-06-06		<b>Tie-on Depth:</b> 0.00 ft	
<b>Field Strength:</b> 52854 nT		<b>Above System Datum:</b> Mean Sea Level	
<b>Vertical Section:</b> Depth From (TVD)	<b>+N/-S</b> ft	<b>Declination:</b> 11.96 deg	
ft	ft	<b>Mag Dip Angle:</b> 65.96 deg	
		<b>+E/-W</b> ft	<b>Direction</b> deg
6636.00	0.00	0.00	130.21

**Plan:** Plan #1  
**Principal:** Yes

<b>Date Composed:</b> 2006-06-06	<b>Version:</b> 1
<b>Tied-to:</b> From Surface	

**Plan Section Information**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	130.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	130.21	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1193.11	8.90	130.21	1190.73	-29.67	35.09	1.50	1.50	0.00	130.21	
6704.69	8.90	130.21	6636.00	-580.00	686.00	0.00	0.00	0.00	0.00	BHL

**Section 1 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	130.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	130.21	100.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21
200.00	0.00	130.21	200.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21
300.00	0.00	130.21	300.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21
400.00	0.00	130.21	400.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21
500.00	0.00	130.21	500.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21
600.00	0.00	130.21	600.00	0.00	0.00	0.00	0.00	0.00	0.00	130.21

**Section 2 : Start Build 1.50**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
700.00	1.50	130.21	699.99	-0.85	1.00	1.31	1.50	1.50	0.00	0.00
800.00	3.00	130.21	799.91	-3.38	4.00	5.23	1.50	1.50	0.00	0.00
900.00	4.50	130.21	899.69	-7.60	8.99	11.77	1.50	1.50	0.00	0.00
1000.00	6.00	130.21	999.27	-13.51	15.98	20.92	1.50	1.50	0.00	0.00
1100.00	7.50	130.21	1098.57	-21.10	24.95	32.68	1.50	1.50	0.00	0.00
1193.11	8.90	130.21	1190.73	-29.67	35.09	45.95	1.50	1.50	0.00	0.00



# Scientific Drilling International

## Planning Report

**Company:** Newfield Exploration Co.  
**Field:** Duchesne County, UT  
**Site:** Monument Butte NE H-25-8-16  
**Well:** MBNE H-25-8-16  
**Wellpath:** OH

**Date:** 2006-06-06 **Time:** 15:35:50 **Page:** 2  
**Co-ordinate(NE) Reference:** Well: MBNE H-25-8-16, True North  
**Vertical (TVD) Reference:** GL 5434' & RKB 12' 5446.0  
**Section (VS) Reference:** Well (0.00N,0.00E,130.21Azi)  
**Plan:** Plan #1

**Section 3 : Start Hold**

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1200.00	8.90	130.21	1197.54	-30.36	35.91	47.02	0.00	0.00	0.00	0.00
1300.00	8.90	130.21	1296.33	-40.34	47.72	62.49	0.00	0.00	0.00	0.00
1400.00	8.90	130.21	1395.13	-50.33	59.53	77.95	0.00	0.00	0.00	0.00
1500.00	8.90	130.21	1493.93	-60.31	71.34	93.42	0.00	0.00	0.00	0.00
1600.00	8.90	130.21	1592.72	-70.30	83.15	108.88	0.00	0.00	0.00	0.00
1700.00	8.90	130.21	1691.52	-80.28	94.96	124.35	0.00	0.00	0.00	0.00
1800.00	8.90	130.21	1790.32	-90.27	106.77	139.81	0.00	0.00	0.00	0.00
1900.00	8.90	130.21	1889.11	-100.25	118.58	155.28	0.00	0.00	0.00	0.00
2000.00	8.90	130.21	1987.91	-110.24	130.39	170.74	0.00	0.00	0.00	0.00
2100.00	8.90	130.21	2086.71	-120.22	142.20	186.21	0.00	0.00	0.00	0.00
2200.00	8.90	130.21	2185.51	-130.21	154.01	201.67	0.00	0.00	0.00	0.00
2300.00	8.90	130.21	2284.30	-140.19	165.81	217.14	0.00	0.00	0.00	0.00
2400.00	8.90	130.21	2383.10	-150.18	177.62	232.60	0.00	0.00	0.00	0.00
2500.00	8.90	130.21	2481.90	-160.16	189.43	248.07	0.00	0.00	0.00	0.00
2600.00	8.90	130.21	2580.69	-170.15	201.24	263.53	0.00	0.00	0.00	0.00
2700.00	8.90	130.21	2679.49	-180.13	213.05	279.00	0.00	0.00	0.00	0.00
2800.00	8.90	130.21	2778.29	-190.12	224.86	294.46	0.00	0.00	0.00	0.00
2900.00	8.90	130.21	2877.08	-200.10	236.67	309.93	0.00	0.00	0.00	0.00
3000.00	8.90	130.21	2975.88	-210.09	248.48	325.39	0.00	0.00	0.00	0.00
3100.00	8.90	130.21	3074.68	-220.07	260.29	340.86	0.00	0.00	0.00	0.00
3200.00	8.90	130.21	3173.47	-230.06	272.10	356.32	0.00	0.00	0.00	0.00
3283.53	8.90	130.21	3256.00	-238.40	281.97	369.24	0.00	0.00	0.00	0.00
3300.00	8.90	130.21	3272.27	-240.04	283.91	371.79	0.00	0.00	0.00	0.00
3400.00	8.90	130.21	3371.07	-250.03	295.72	387.25	0.00	0.00	0.00	0.00
3500.00	8.90	130.21	3469.87	-260.01	307.53	402.72	0.00	0.00	0.00	0.00
3600.00	8.90	130.21	3568.66	-270.00	319.34	418.18	0.00	0.00	0.00	0.00
3700.00	8.90	130.21	3667.46	-279.98	331.15	433.65	0.00	0.00	0.00	0.00
3800.00	8.90	130.21	3766.26	-289.97	342.96	449.11	0.00	0.00	0.00	0.00
3900.00	8.90	130.21	3865.05	-299.95	354.77	464.58	0.00	0.00	0.00	0.00
4000.00	8.90	130.21	3963.85	-309.94	366.58	480.05	0.00	0.00	0.00	0.00
4100.00	8.90	130.21	4062.65	-319.92	378.39	495.51	0.00	0.00	0.00	0.00
4200.00	8.90	130.21	4161.44	-329.91	390.20	510.98	0.00	0.00	0.00	0.00
4300.00	8.90	130.21	4260.24	-339.89	402.01	526.44	0.00	0.00	0.00	0.00
4400.00	8.90	130.21	4359.04	-349.88	413.82	541.91	0.00	0.00	0.00	0.00
4500.00	8.90	130.21	4457.83	-359.86	425.63	557.37	0.00	0.00	0.00	0.00
4600.00	8.90	130.21	4556.63	-369.85	437.44	572.84	0.00	0.00	0.00	0.00
4700.00	8.90	130.21	4655.43	-379.83	449.25	588.30	0.00	0.00	0.00	0.00
4800.00	8.90	130.21	4754.23	-389.82	461.06	603.77	0.00	0.00	0.00	0.00
4900.00	8.90	130.21	4853.02	-399.80	472.87	619.23	0.00	0.00	0.00	0.00
5000.00	8.90	130.21	4951.82	-409.79	484.68	634.70	0.00	0.00	0.00	0.00
5100.00	8.90	130.21	5050.62	-419.77	496.49	650.16	0.00	0.00	0.00	0.00
5200.00	8.90	130.21	5149.41	-429.76	508.30	665.63	0.00	0.00	0.00	0.00
5300.00	8.90	130.21	5248.21	-439.74	520.11	681.09	0.00	0.00	0.00	0.00
5400.00	8.90	130.21	5347.01	-449.73	531.92	696.56	0.00	0.00	0.00	0.00
5500.00	8.90	130.21	5445.80	-459.71	543.73	712.02	0.00	0.00	0.00	0.00
5600.00	8.90	130.21	5544.60	-469.70	555.54	727.49	0.00	0.00	0.00	0.00
5700.00	8.90	130.21	5643.40	-479.68	567.35	742.95	0.00	0.00	0.00	0.00
5800.00	8.90	130.21	5742.19	-489.67	579.16	758.42	0.00	0.00	0.00	0.00
5900.00	8.90	130.21	5840.99	-499.65	590.97	773.88	0.00	0.00	0.00	0.00
6000.00	8.90	130.21	5939.79	-509.64	602.78	789.35	0.00	0.00	0.00	0.00
6100.00	8.90	130.21	6038.59	-519.62	614.59	804.81	0.00	0.00	0.00	0.00
6200.00	8.90	130.21	6137.38	-529.61	626.40	820.28	0.00	0.00	0.00	0.00
6300.00	8.90	130.21	6236.18	-539.59	638.21	835.74	0.00	0.00	0.00	0.00
6400.00	8.90	130.21	6334.98	-549.58	650.02	851.21	0.00	0.00	0.00	0.00
6500.00	8.90	130.21	6433.77	-559.56	661.83	866.67	0.00	0.00	0.00	0.00
6598.41	8.90	130.21	6531.00	-569.39	673.45	881.89	0.00	0.00	0.00	0.00
6600.00	8.90	130.21	6532.57	-569.55	673.64	882.14	0.00	0.00	0.00	0.00
6704.69	8.90	130.21	6636.00	-580.00	686.00	898.33	0.00	0.00	0.00	0.00



# Scientific Drilling International

## Planning Report

**Company:** Newfield Exploration Co.  
**Field:** Duchesne County, UT  
**Site:** Monument Butte NE H-25-8-16  
**Well:** MBNE H-25-8-16  
**Wellpath:** OH

**Date:** 2006-06-06      **Time:** 15:35:50      **Page:** 3  
**Co-ordinate(NE) Reference:** Well: MBNE H-25-8-16, True North  
**Vertical (TVD) Reference:** GL 5434' & RKB 12' 5446.0  
**Section (VS) Reference:** Well (0.00N,0.00E,130.21Azi)  
**Plan:** Plan #1

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	130.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	130.21	100.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
200.00	0.00	130.21	200.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
300.00	0.00	130.21	300.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
400.00	0.00	130.21	400.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
500.00	0.00	130.21	500.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
600.00	0.00	130.21	600.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
700.00	1.50	130.21	699.99	-0.85	1.00	1.31	1.50	1.50	0.00	MWD
800.00	3.00	130.21	799.91	-3.38	4.00	5.23	1.50	1.50	0.00	MWD
900.00	4.50	130.21	899.69	-7.60	8.99	11.77	1.50	1.50	0.00	MWD
1000.00	6.00	130.21	999.27	-13.51	15.98	20.92	1.50	1.50	0.00	MWD
1100.00	7.50	130.21	1098.57	-21.10	24.95	32.68	1.50	1.50	0.00	MWD
1193.11	8.90	130.21	1190.73	-29.67	35.09	45.95	1.50	1.50	0.00	MWD
1200.00	8.90	130.21	1197.54	-30.36	35.91	47.02	0.00	0.00	0.00	MWD
1300.00	8.90	130.21	1296.33	-40.34	47.72	62.49	0.00	0.00	0.00	MWD
1400.00	8.90	130.21	1395.13	-50.33	59.53	77.95	0.00	0.00	0.00	MWD
1500.00	8.90	130.21	1493.93	-60.31	71.34	93.42	0.00	0.00	0.00	MWD
1600.00	8.90	130.21	1592.72	-70.30	83.15	108.88	0.00	0.00	0.00	MWD
1700.00	8.90	130.21	1691.52	-80.28	94.96	124.35	0.00	0.00	0.00	MWD
1800.00	8.90	130.21	1790.32	-90.27	106.77	139.81	0.00	0.00	0.00	MWD
1900.00	8.90	130.21	1889.11	-100.25	118.58	155.28	0.00	0.00	0.00	MWD
2000.00	8.90	130.21	1987.91	-110.24	130.39	170.74	0.00	0.00	0.00	MWD
2100.00	8.90	130.21	2086.71	-120.22	142.20	186.21	0.00	0.00	0.00	MWD
2200.00	8.90	130.21	2185.51	-130.21	154.01	201.67	0.00	0.00	0.00	MWD
2300.00	8.90	130.21	2284.30	-140.19	165.81	217.14	0.00	0.00	0.00	MWD
2400.00	8.90	130.21	2383.10	-150.18	177.62	232.60	0.00	0.00	0.00	MWD
2500.00	8.90	130.21	2481.90	-160.16	189.43	248.07	0.00	0.00	0.00	MWD
2600.00	8.90	130.21	2580.69	-170.15	201.24	263.53	0.00	0.00	0.00	MWD
2700.00	8.90	130.21	2679.49	-180.13	213.05	279.00	0.00	0.00	0.00	MWD
2800.00	8.90	130.21	2778.29	-190.12	224.86	294.46	0.00	0.00	0.00	MWD
2900.00	8.90	130.21	2877.08	-200.10	236.67	309.93	0.00	0.00	0.00	MWD
3000.00	8.90	130.21	2975.88	-210.09	248.48	325.39	0.00	0.00	0.00	MWD
3100.00	8.90	130.21	3074.68	-220.07	260.29	340.86	0.00	0.00	0.00	MWD
3200.00	8.90	130.21	3173.47	-230.06	272.10	356.32	0.00	0.00	0.00	MWD
3283.53	8.90	130.21	3256.00	-238.40	281.97	369.24	0.00	0.00	0.00	Green River
3300.00	8.90	130.21	3272.27	-240.04	283.91	371.79	0.00	0.00	0.00	MWD
3400.00	8.90	130.21	3371.07	-250.03	295.72	387.25	0.00	0.00	0.00	MWD
3500.00	8.90	130.21	3469.87	-260.01	307.53	402.72	0.00	0.00	0.00	MWD
3600.00	8.90	130.21	3568.66	-270.00	319.34	418.18	0.00	0.00	0.00	MWD
3700.00	8.90	130.21	3667.46	-279.98	331.15	433.65	0.00	0.00	0.00	MWD
3800.00	8.90	130.21	3766.26	-289.97	342.96	449.11	0.00	0.00	0.00	MWD
3900.00	8.90	130.21	3865.05	-299.95	354.77	464.58	0.00	0.00	0.00	MWD
4000.00	8.90	130.21	3963.85	-309.94	366.58	480.05	0.00	0.00	0.00	MWD
4100.00	8.90	130.21	4062.65	-319.92	378.39	495.51	0.00	0.00	0.00	MWD
4200.00	8.90	130.21	4161.44	-329.91	390.20	510.98	0.00	0.00	0.00	MWD
4300.00	8.90	130.21	4260.24	-339.89	402.01	526.44	0.00	0.00	0.00	MWD
4400.00	8.90	130.21	4359.04	-349.88	413.82	541.91	0.00	0.00	0.00	MWD
4500.00	8.90	130.21	4457.83	-359.86	425.63	557.37	0.00	0.00	0.00	MWD
4600.00	8.90	130.21	4556.63	-369.85	437.44	572.84	0.00	0.00	0.00	MWD
4700.00	8.90	130.21	4655.43	-379.83	449.25	588.30	0.00	0.00	0.00	MWD
4800.00	8.90	130.21	4754.23	-389.82	461.06	603.77	0.00	0.00	0.00	MWD
4900.00	8.90	130.21	4853.02	-399.80	472.87	619.23	0.00	0.00	0.00	MWD
5000.00	8.90	130.21	4951.82	-409.79	484.68	634.70	0.00	0.00	0.00	MWD
5100.00	8.90	130.21	5050.62	-419.77	496.49	650.16	0.00	0.00	0.00	MWD



# Scientific Drilling International Planning Report

<b>Company:</b> Newfield Exploration Co.	<b>Date:</b> 2006-06-06	<b>Time:</b> 15:35:50	<b>Page:</b> 4
<b>Field:</b> Duchesne County, UT	<b>Co-ordinate(NE) Reference:</b> Well: MBNE H-25-8-16, True North		
<b>Site:</b> Monument Butte NE H-25-8-16	<b>Vertical (TVD) Reference:</b> GL 5434' & RKB 12' 5446.0		
<b>Well:</b> MBNE H-25-8-16	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,130.21Azi)		
<b>Wellpath:</b> OH	<b>Plan:</b> Plan #1		

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5200.00	8.90	130.21	5149.41	-429.76	508.30	665.63	0.00	0.00	0.00	MWD
5300.00	8.90	130.21	5248.21	-439.74	520.11	681.09	0.00	0.00	0.00	MWD
5400.00	8.90	130.21	5347.01	-449.73	531.92	696.56	0.00	0.00	0.00	MWD
5500.00	8.90	130.21	5445.80	-459.71	543.73	712.02	0.00	0.00	0.00	MWD
5600.00	8.90	130.21	5544.60	-469.70	555.54	727.49	0.00	0.00	0.00	MWD
5700.00	8.90	130.21	5643.40	-479.68	567.35	742.95	0.00	0.00	0.00	MWD
5800.00	8.90	130.21	5742.19	-489.67	579.16	758.42	0.00	0.00	0.00	MWD
5900.00	8.90	130.21	5840.99	-499.65	590.97	773.88	0.00	0.00	0.00	MWD
6000.00	8.90	130.21	5939.79	-509.64	602.78	789.35	0.00	0.00	0.00	MWD
6100.00	8.90	130.21	6038.59	-519.62	614.59	804.81	0.00	0.00	0.00	MWD
6200.00	8.90	130.21	6137.38	-529.61	626.40	820.28	0.00	0.00	0.00	MWD
6300.00	8.90	130.21	6236.18	-539.59	638.21	835.74	0.00	0.00	0.00	MWD
6400.00	8.90	130.21	6334.98	-549.58	650.02	851.21	0.00	0.00	0.00	MWD
6500.00	8.90	130.21	6433.77	-559.56	661.83	866.67	0.00	0.00	0.00	MWD
6598.41	8.90	130.21	6531.00	-569.39	673.45	881.89	0.00	0.00	0.00	Wasatch
6600.00	8.90	130.21	6532.57	-569.55	673.64	882.14	0.00	0.00	0.00	MWD
6704.69	8.90	130.21	6636.00	-580.00	686.00	898.33	0.00	0.00	0.00	BHL

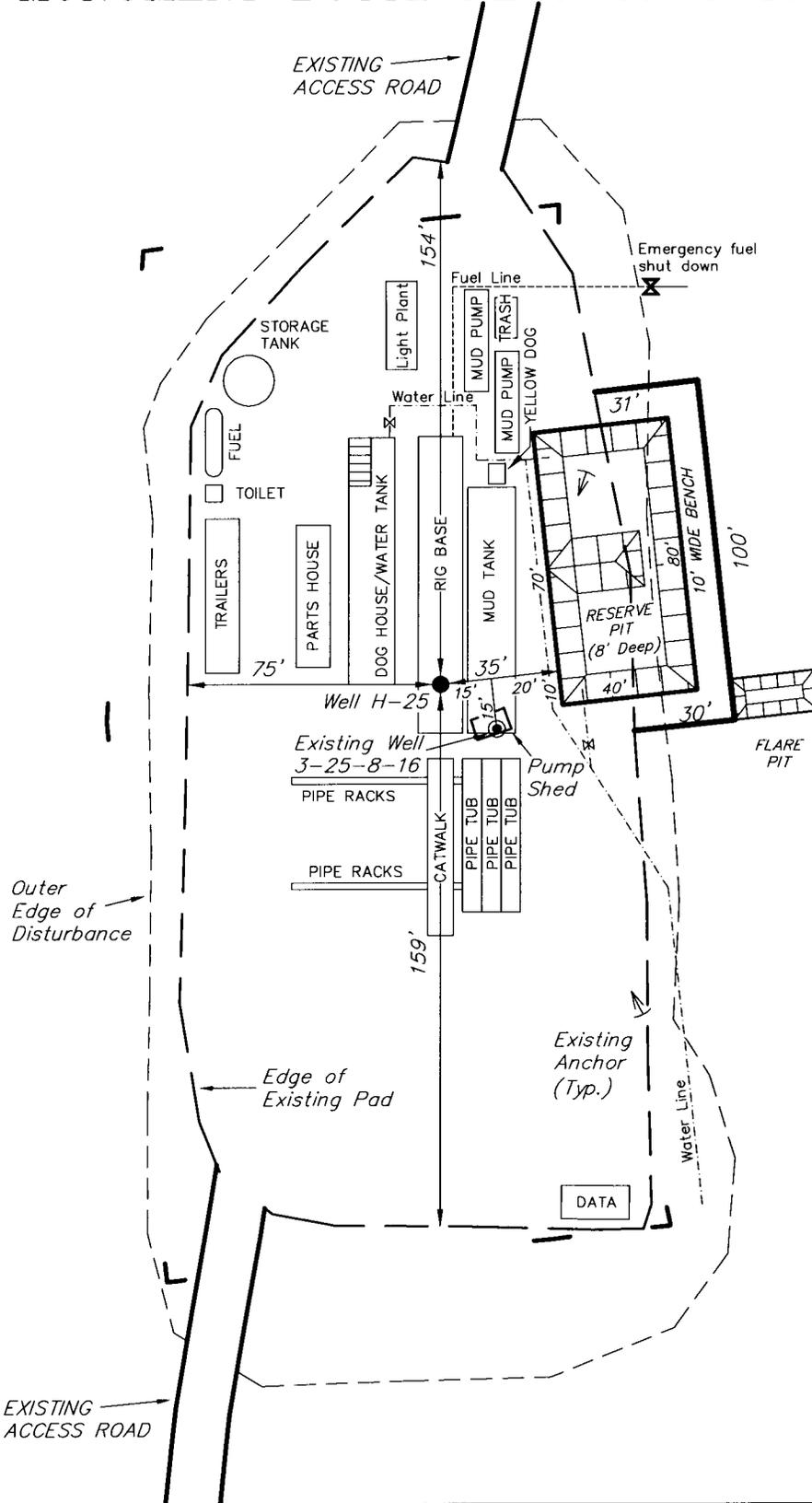
**Targets**

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
								Deg	Min	Sec	Deg	Min	Sec		
BHL			6636.00	-580.00	686.00	7205634.29	2041086.19	40	5	32.948	N	110	4	3.932	W
-Plan hit target															

**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3283.53	3256.00	Green River		0.00	0.00
6598.41	6531.00	Wasatch		0.00	0.00

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**MONUMENT BUTTE NE 3-25-8-16 (H-25)**



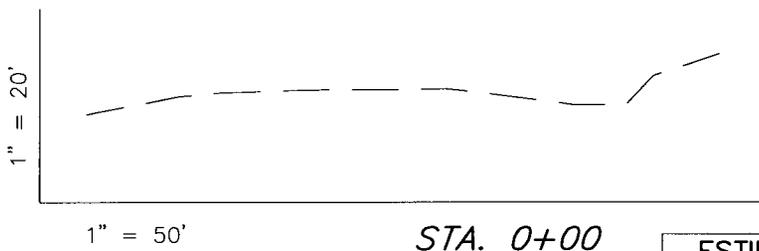
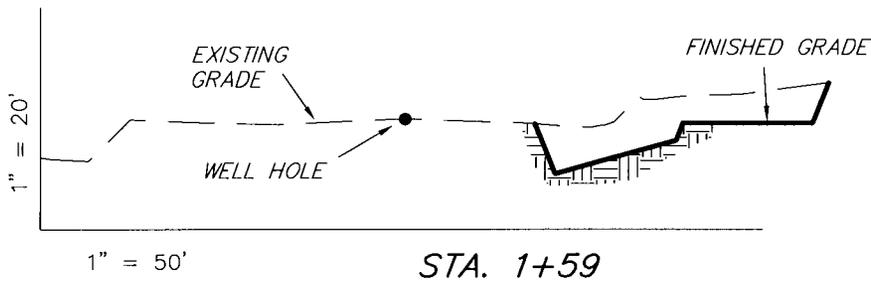
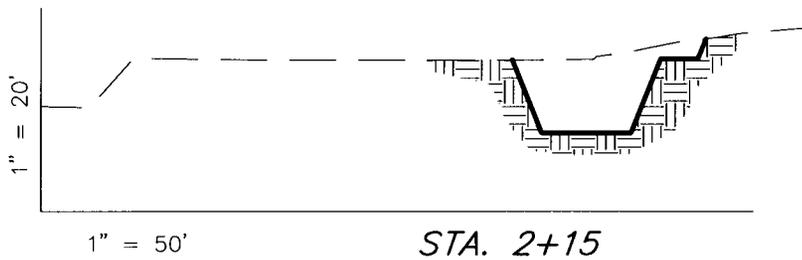
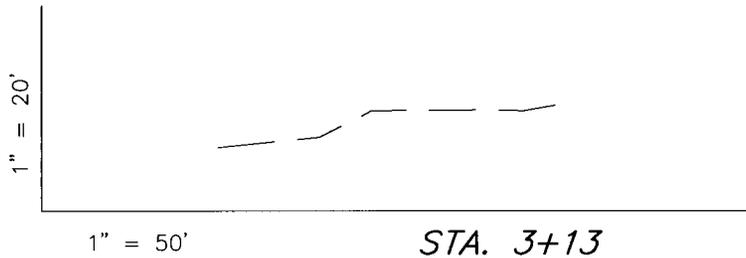
SURVEYED BY: J.K.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-23-06

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### MONUMENT BUTTE NE 3-25-8-16 (H-25)



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	230	10	Topsoil is not included in Pad Cut	220
PIT	640	0		640
TOTALS	870	10	N/A	860

SURVEYED BY: J.K.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 05-23-06

(435) 781-2501

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# Newfield Production Company Proposed Site Facility Diagram

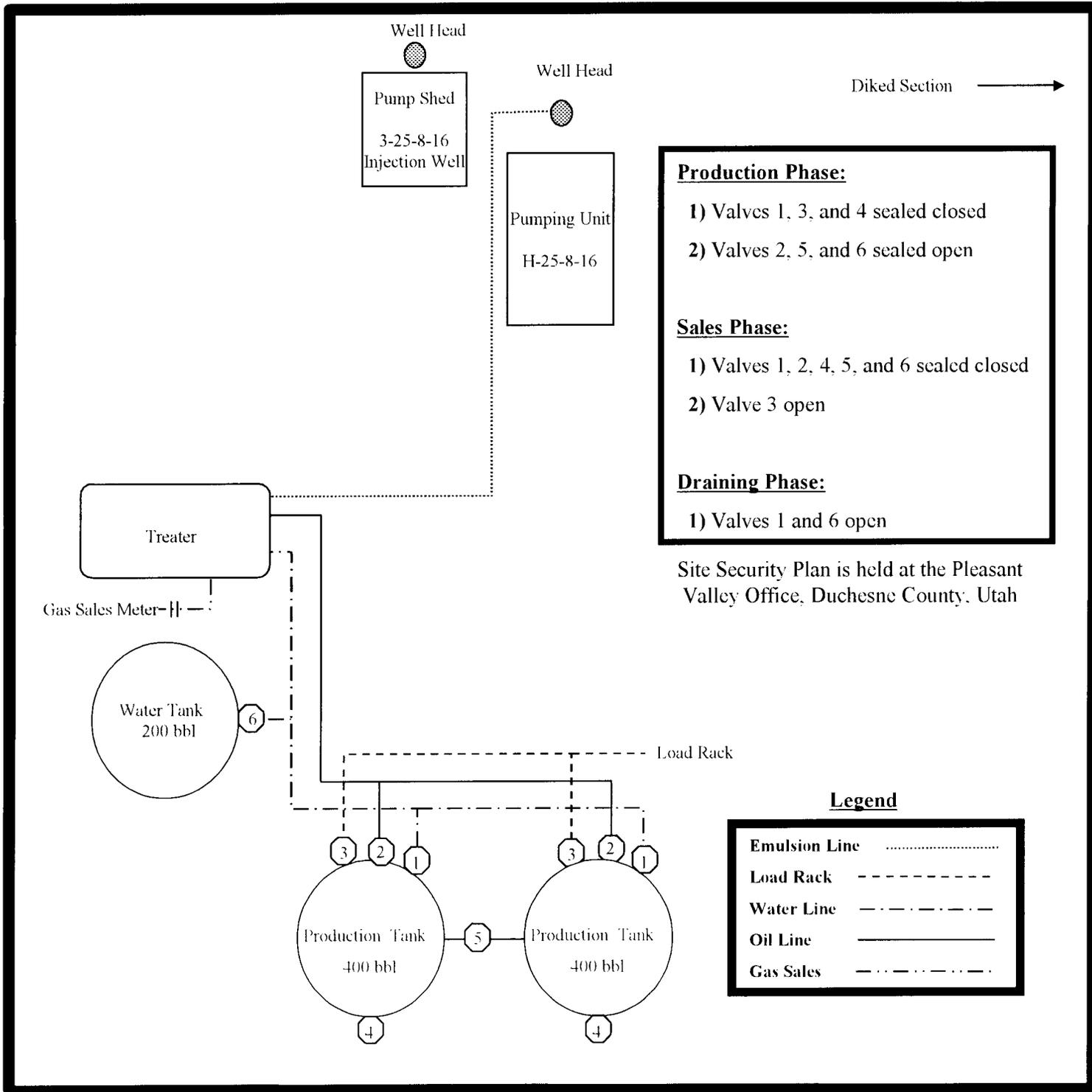
Mon. Butte NE Federal H-25-8-16

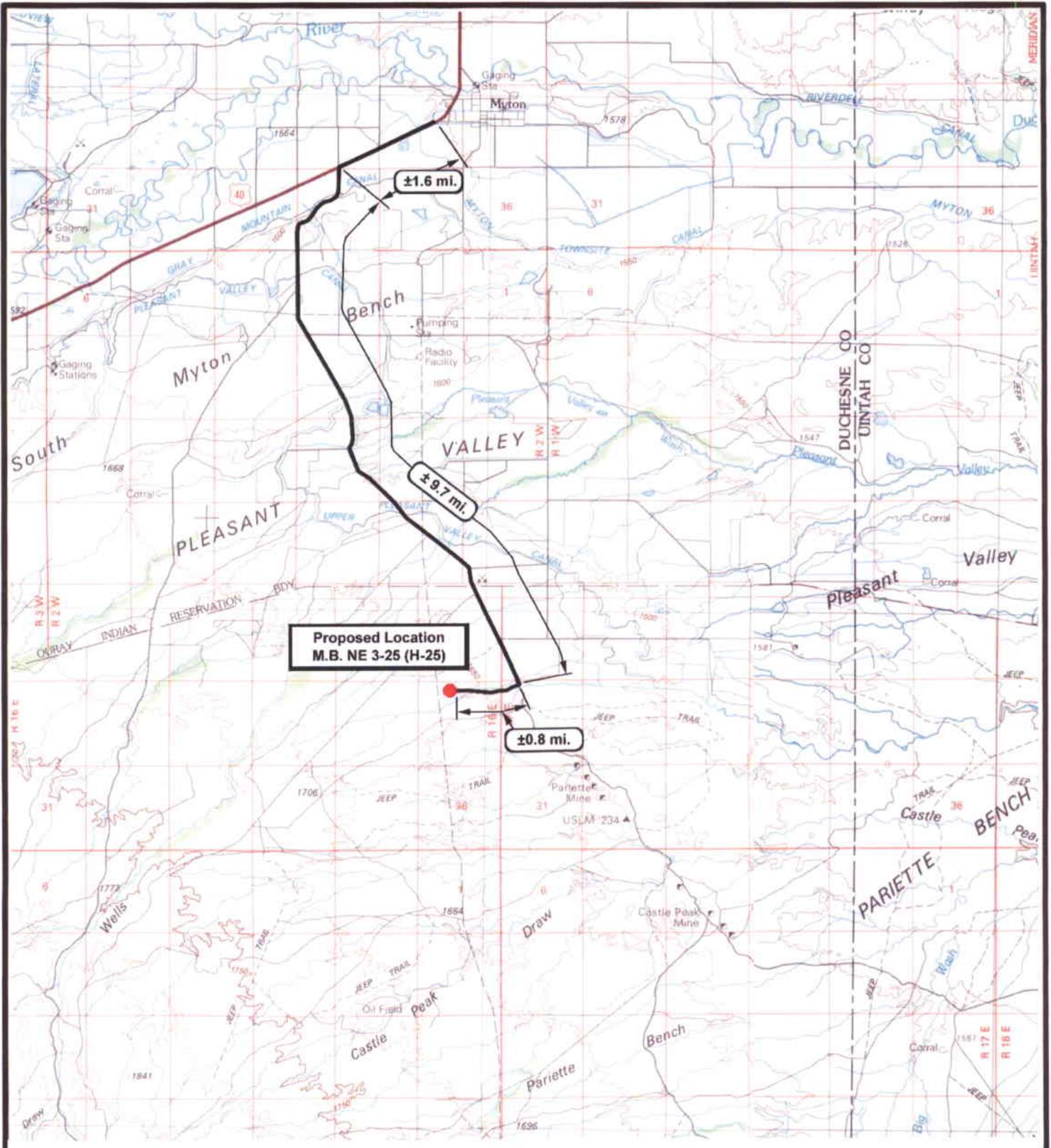
From the 3-25-8-16 Location

NE/NW Sec. 25 T8S, 16E

Duchesne County, Utah

UTU-67170





**Proposed Location  
M.B. NE 3-25 (H-25)**



**NEWFIELD**  
Exploration Company

**Monument Butte NE 3-25-8-16 (H-25)  
SEC. 25, T8S, R16E, S.L.B.&M.**



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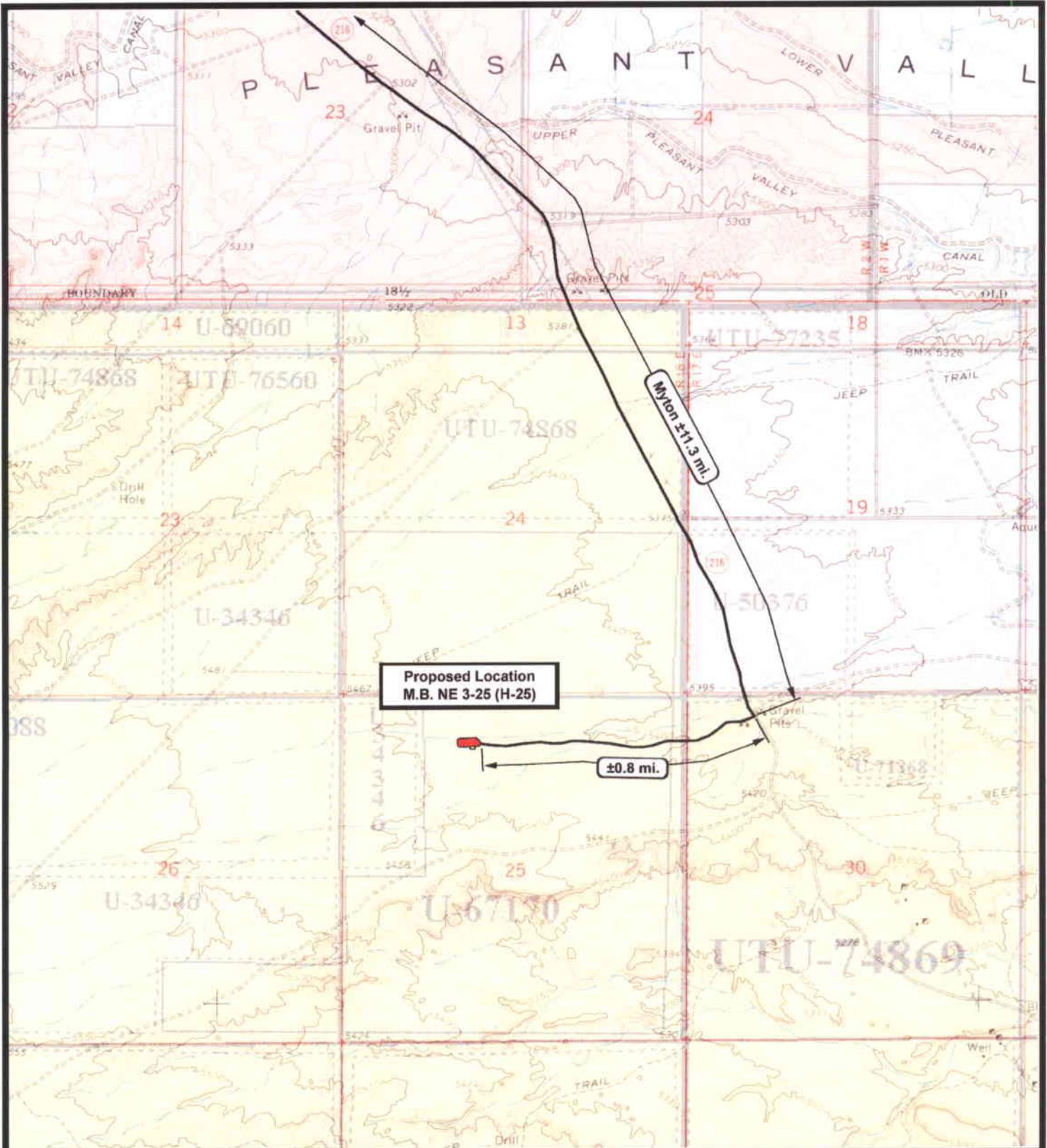
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DATE: 05-23-2006

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**




  
**NEWFIELD**  
 Exploration Company

---

**Monument Butte NE 3-25-8-16 (H-25)**  
**SEC. 25, T8S, R16E, S.L.B.&M.**




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

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SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 05-23-2006

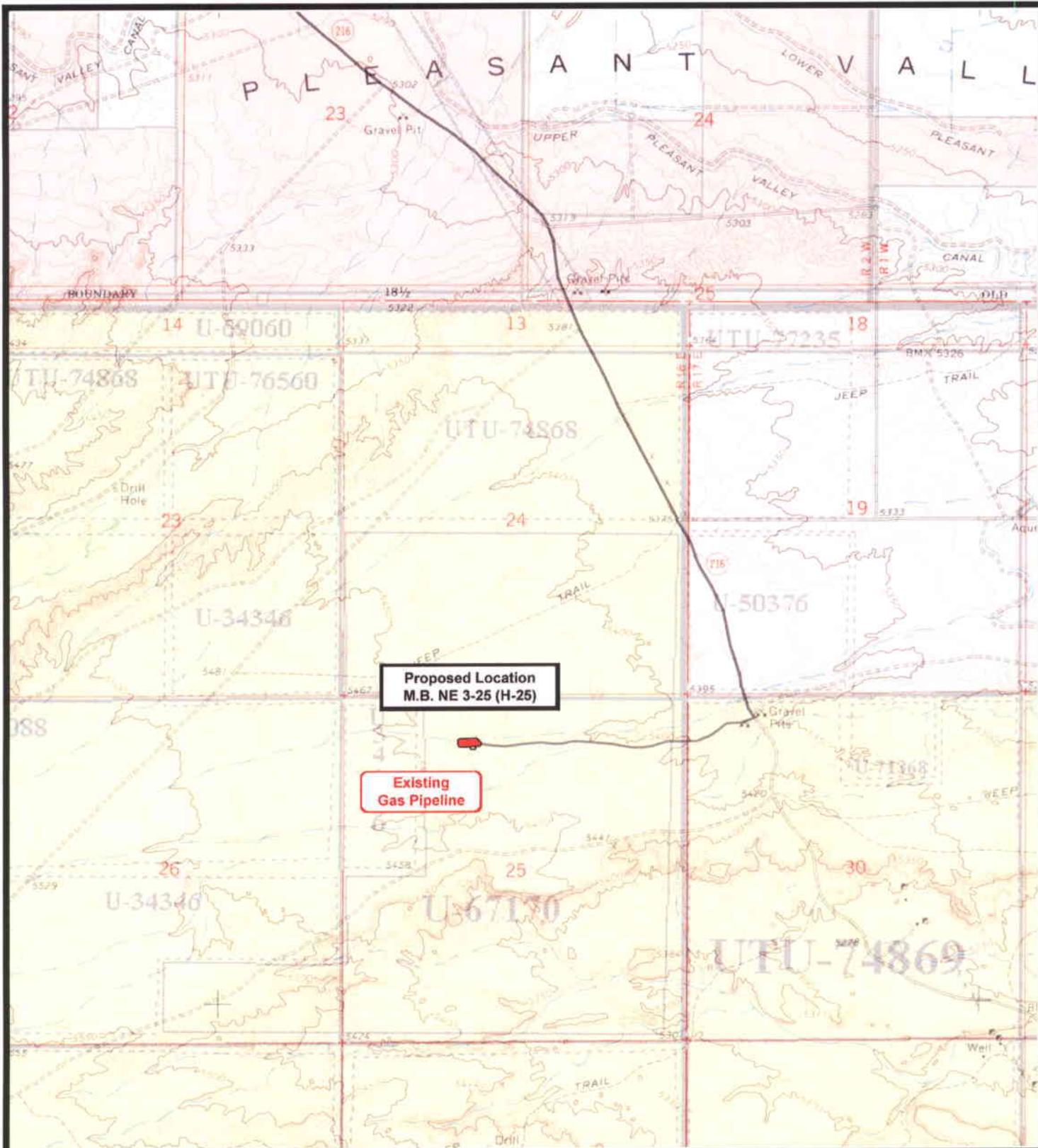
**Legend**

---

 Existing Road

---

**TOPOGRAPHIC MAP**  
**"B"**



 **NEWFIELD**  
Exploration Company

**Monument Butte NE 3-25-8-16 (H-25)**  
**SEC. 25, T8S, R16E, S.L.B.&M.**



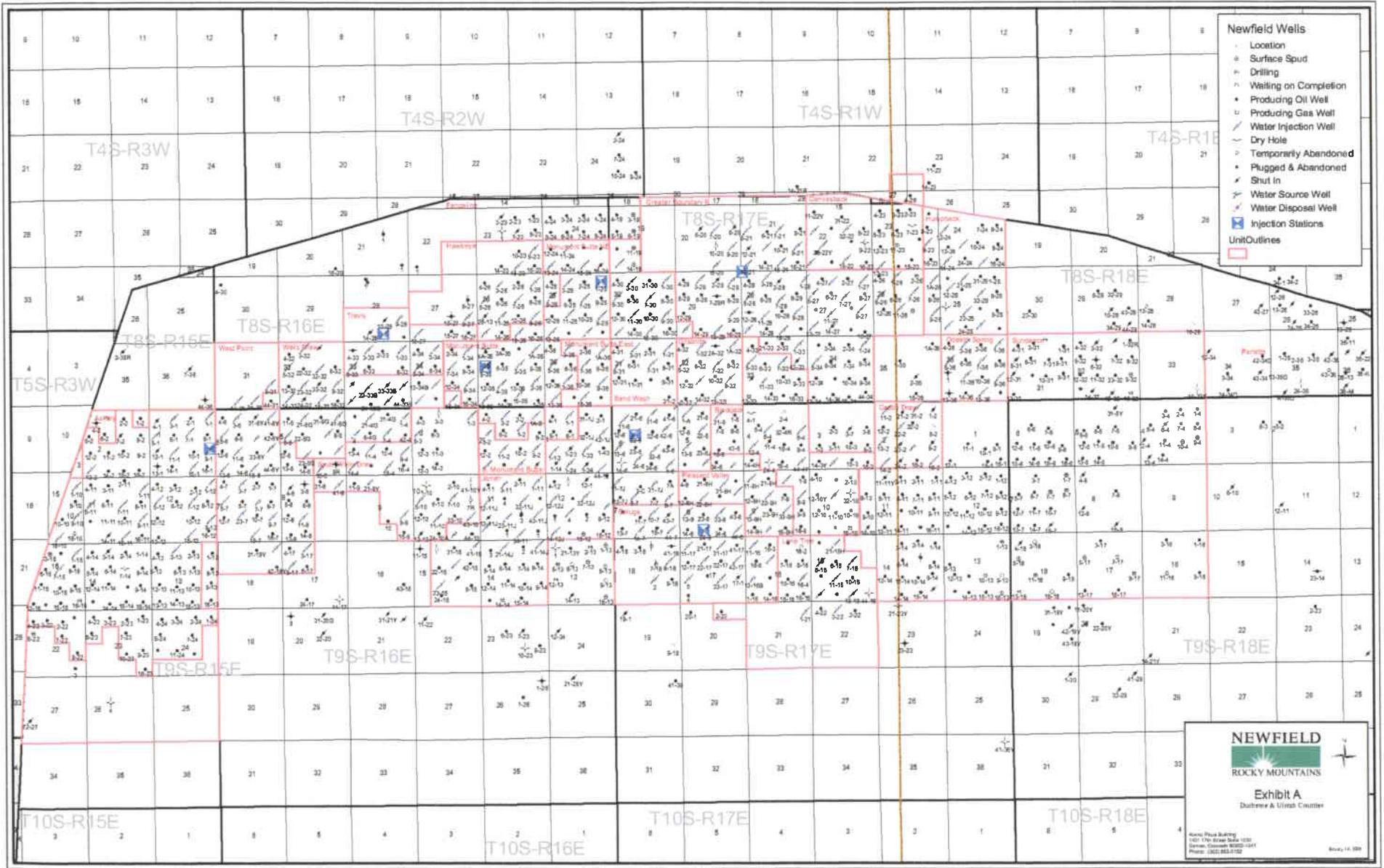
  
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

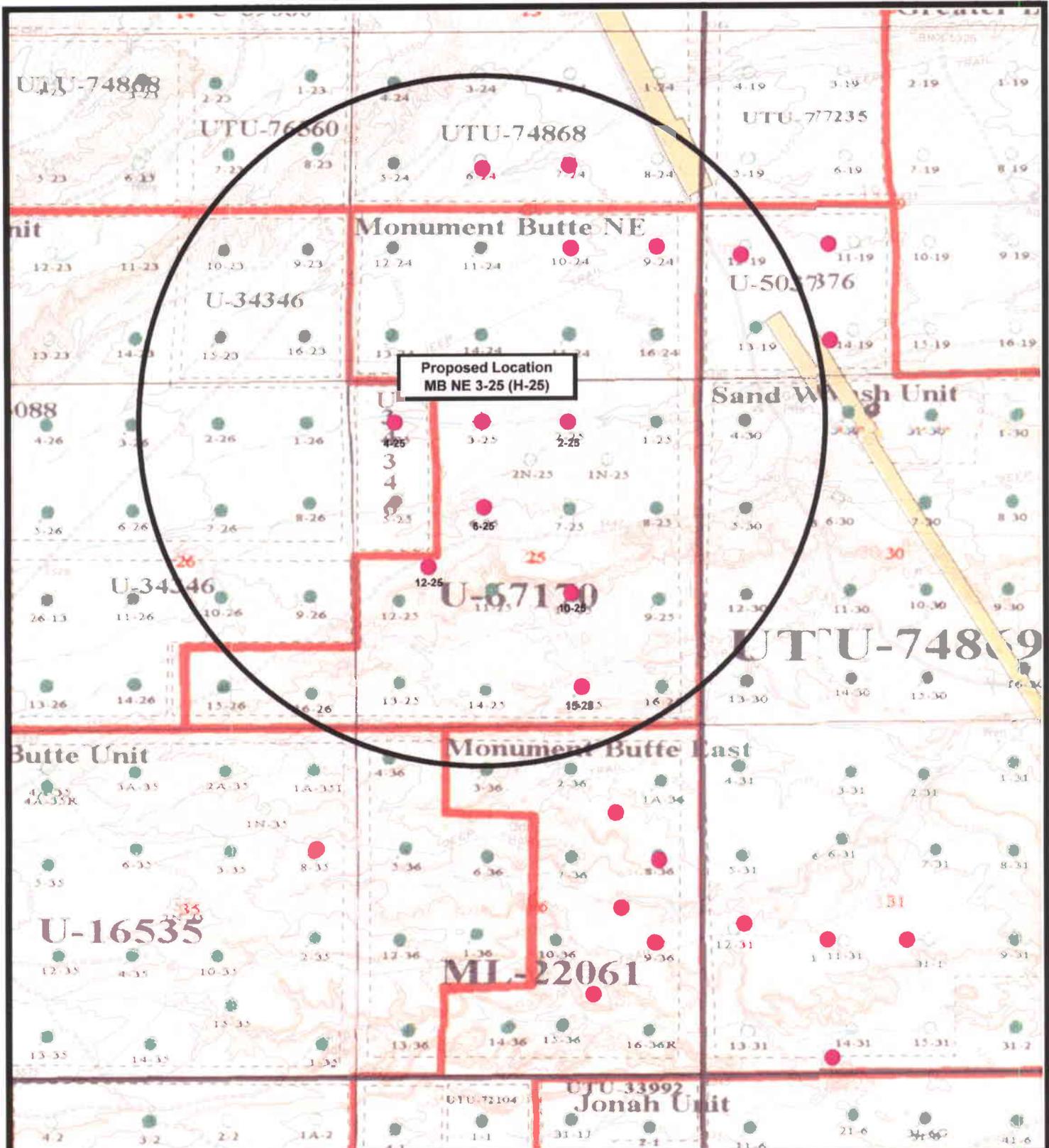
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DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

 Roads

**TOPOGRAPHIC MAP**  
**"C"**





Proposed Location  
MB NE 3-25 (H-25)



**NEWFIELD**  
Exploration Company

**Monument Butte NE 3-25-8-16 (H-25)**  
**SEC. 25, T8S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

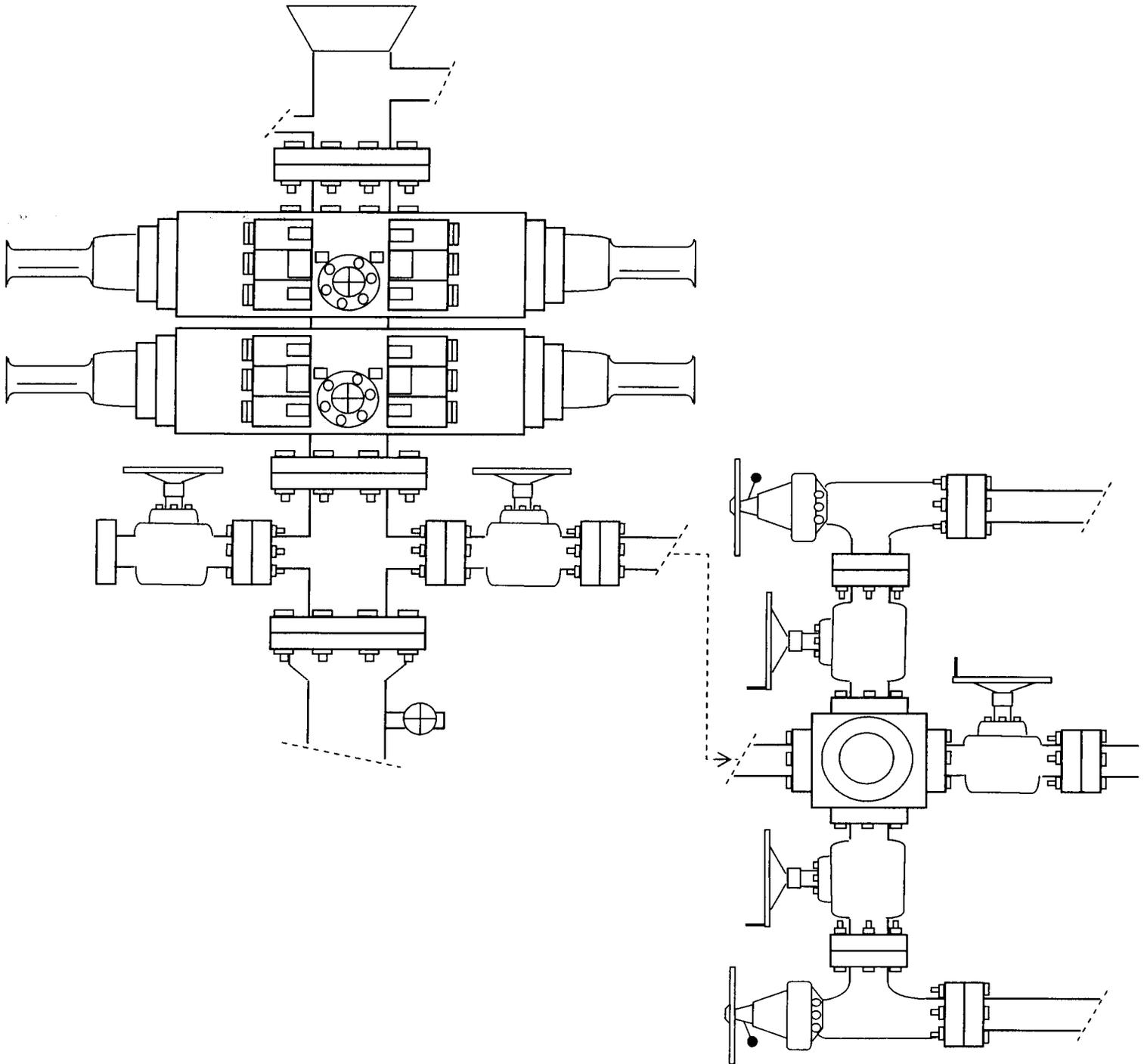


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/09/2006

API NO. ASSIGNED: 43-013-33273

WELL NAME: MON BUTTE NE FED H-25-8-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 25 080S 160E  
 SURFACE: 0740 FNL 1958 FWL  
 BOTTOM: 1320 FNL 2644 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.09409 LONGITUDE: -110.0694  
 UTM SURF EASTINGS: 579329 NORTHINGS: 4438405  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

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

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

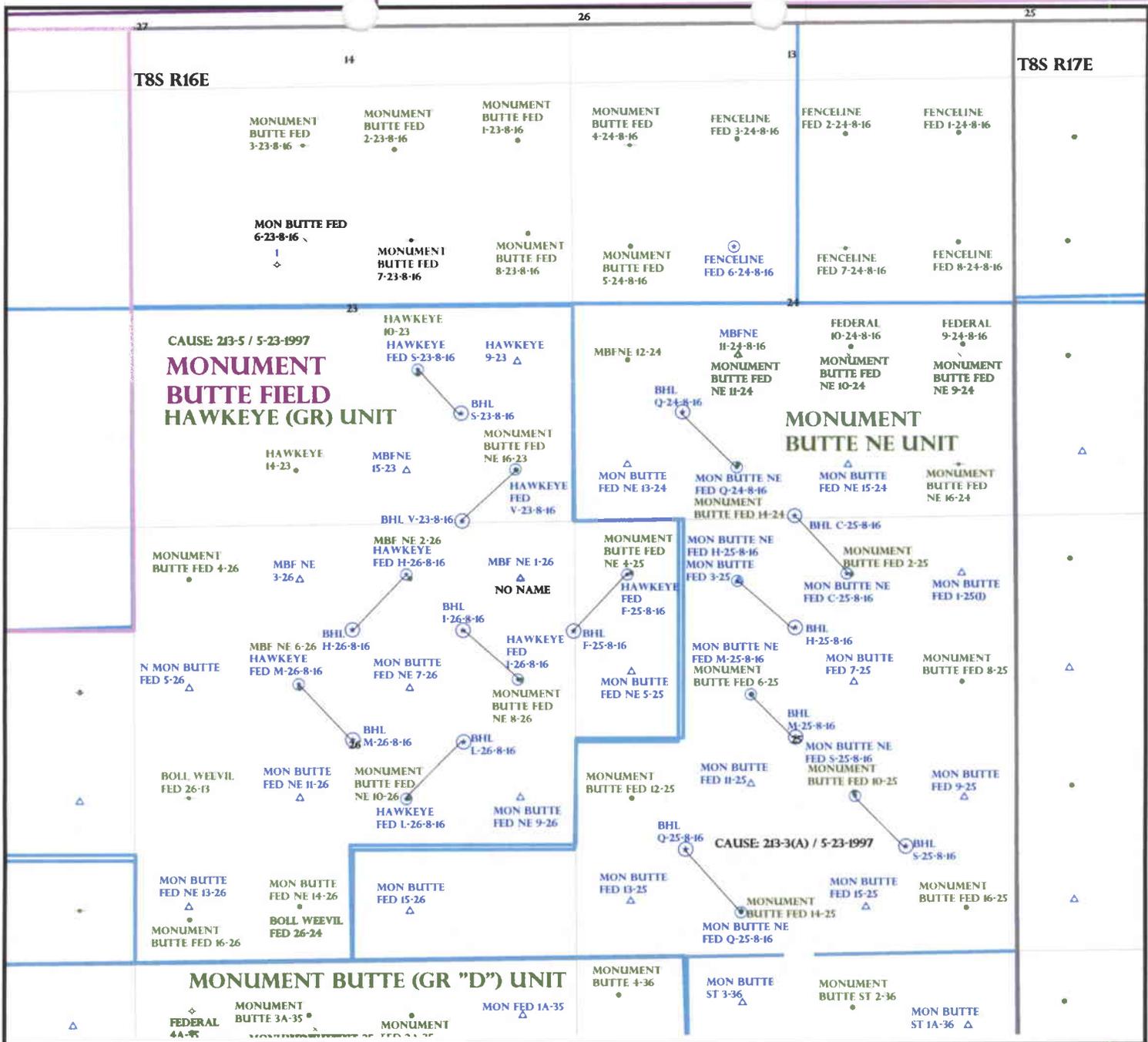
- R649-2-3.
- Unit: MONUMENT BUTTE NE
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 213-3(A)  
Eff Date: 5-23-1947  
Siting: Sussex General Siting
- R649-3-11. Directional Drill

COMMENTS:

Sop, Super-16 RW

STIPULATIONS:

1- Federal Approval



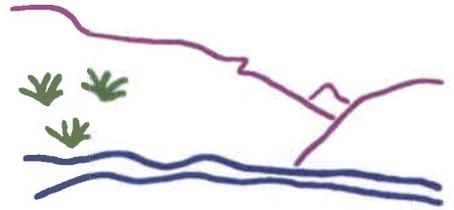
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 24,25 T.8S R. 16E

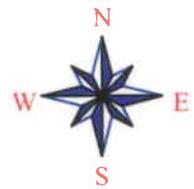
FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 213-3(A) / 5-23-1997



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 15-AUGUST-2006

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- ✂ GAS INJECTION
  - ✂ GAS STORAGE
  - ✂ LOCATION ABANDONED
  - ✂ NEW LOCATION
  - ✂ PLUGGED & ABANDONED
  - ✂ PRODUCING GAS
  - ✂ PRODUCING OIL
  - ✂ SHUT-IN GAS
  - ✂ SHUT-IN OIL
  - ✂ TEMP. ABANDONED
  - ✂ TEST WELL
  - ✂ WATER INJECTION
  - ✂ WATER SUPPLY
  - ✂ WATER DISPOSAL
  - ✂ DRILLING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

August 28, 2006

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

Re: Monument Butte NE Federal H-25-8-16 Well, Surface Location 740' FNL, 1958' FWL, NE NW, Sec. 25, T. 8 South, R. 16 East, Bottom Location 1320' FNL, 2644' FWL, Center of N/2, Sec. 25, T. 8 South, R. 16 East, Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33273.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** Monument Butte NE Federal H-25-8-16  
**API Number:** 43-013-33273  
**Lease:** UTU-67170

**Surface Location:** NE NW                      **Sec.** 25                      **T.** 8 South                      **R.** 16 East  
**Bottom Location:** Center of N/2                      **Sec.** 25                      **T.** 8 South                      **R.** 16 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

RECEIVED  
 VERNAL FIELD OFFICE  
 2006 AUG -9 PM 1:21  
 DEPT. OF THE INTERIOR  
 BUREAU OF LAND MGMT.  
 FORM APPROVED  
 OMB No. 1004-0136  
 Expires January 31, 2004

Form 3160-3  
 (September 2001)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-67170
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Monument Butte NE
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte NE Federal H-25-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33273
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 740' FNL 1958' FWL At proposed prod. zone 1320' FNL 2644' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 12.1 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 25, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1324' ftlse, 1324' ft/unit	16. No. of Acres in lease 1,879.869	12. County or Parish Duchesne
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. 1262'	13. State UT
19. Proposed Depth 6636'	20. BLM/BIA Bond No. on file UTB000192	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5434' GL	22. Approximate date work will start* 4th Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/8/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KEVOKA	Date 3-2-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

\*(Instructions on reverse)

RECEIVED  
 MAR 15 2007

DIV. OF OIL, GAS & MINING

4006M

07JM0569A

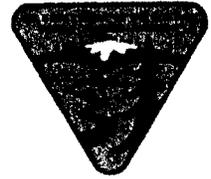


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

<b>Company:</b>	<b>Newfield Production Company</b>	<b>Location:</b>	<b>NENW, Sec.25, T8S, R16E</b>
<b>Well No:</b>	<b>Monument Butte NE Federal H-25-8-16</b>	<b>Lease No:</b>	<b>UTU-67170</b>
<b>API No:</b>	<b>43-013-33273</b>	<b>Agreement:</b>	<b>N/A</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**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 one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

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

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

**Site Specific Conditions of Approval**

- The proposed area contains Mountain Plover habitat. With this occurrence there will be a timing restriction of no use from May 1 – June 15. If construction would be required during this period, Bureau biologists shall be notified approximately 1 month prior to the start of construction. A Mountain Plover survey will need to be conducted according to FWS standards prior to construction.
- The proposed area contains Burrowing Owl habitat. A timing restriction on construction and drilling (including completion) from April 1 through August 15, is in order to protect nesting Burrowing Owls. If construction would be required during this period, Bureau biologists shall be notified approximately 1 month prior to the start of construction. Burrowing Owl surveys would need to be conducted according to FWS standards prior to construction.
- Lease Notices (field review and RMP):
  1. Lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Comments:
  1. The proposed area contains fair to marginal Mountain Plover habitat.
  2. The well location and any area to be disturbed should be surveyed for Mountain Plover prior to construction, if activity is between May 1 and June 15.
  3. Wildlife report for the 3-25-8-16 (well) Burrowing Owl and Mountain Plover timing stipulations.
- This APD is being approved on the premise that there is no new disturbance associated with this project (i.e. no new pipelines). Surface disturbance will be confined to existing location.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.

- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Paleontology: If, during operations, any paleontological resources as described in BLM H-8270 are discovered, all operations affecting such sites shall be immediately suspended. The appropriate AO of the managing BLM office shall be notified within 48 hrs of the discovery and a decision as to the preferred alternative/course of action will be rendered.
- The operator is responsible for informing all persons in the areas who are associated with this project of the requirements for protecting paleontological resources. Paleontological resources found on the public lands are recognized by the BLM as constituting a fragile and nonrenewable scientific record of the history of life on earth, and so represent an important and critical component of America's natural heritage. These resources are afforded protection under **43 CFR 3802 and 3809**, and penalties possible for the collection of vertebrate fossils are under **43 CFR 8365.1-5**. Operator will report all occurrences of paleontological resources discovered to the appropriate surface management AO with the Vernal Field Office of the BLM.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:
  - Crested wheatgrass (*Agropyron cristatum*): 4 lbs/acre
  - Needle and Threadgrass (*Hesperostipa comata*): 4 lbs/acre
  - Indian Ricegrass (*Achnatherum hymenoides*): 4 lbs/acre
  - All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed

mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

#### **General Surface COA**

- 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 report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

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.
- 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.
- 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.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: MON BUTTE NE FED H-25-8-16

Api No: 43-013-33273 Lease Type: FEDERAL

Section 25 Township 08S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### SPUDDED:

Date 04/18/07

Time 3:30 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by ALVIN NIELSEN

Telephone # (435) 823-7468

Date 04/19/07 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 2690  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
B	99999	15150	43-013-33273	MON BT NE H-25-8-16	NE/NW	25	8S	16E	DUCHESNE	4/18/2007	4/26/07
WELL 1 COMMENTS: <i>GRUV BHL = C of N/2</i>											
A	99999	16063	43-013-33175	FEDERAL 9-22-9-16	NE/SE	22	9S	16E	DUCHESNE	4/19/2007	4/26/07
WELL 2 COMMENTS: <i>GRUV</i>											
A	99999	16064	43-013-33050	FEDERAL 11A-9-9-16	NE/SW	9	9S	16E	DUCHESNE	4/23/2007	4/26/07
WELL 3 COMMENTS: <i>GRUV</i>											
A	99999	16065	43-013-33052	FEDERAL 13-9-9-16	SW/SW	9	9S	16E	DUCHESNE	4/21/2007	4/26/07
WELL 4 COMMENTS: <i>GRUV</i>											
B	99999	15150	43-013-33274	MON BT NE C-25-8-16	NW/NE	25	8S	16E	DUCHESNE	4/20/2007	4/26/07
WELL 5 COMMENTS: <i>GRUV BHL = NW corner of NE Quad</i>											
A	99999	16066	43-013-33167	FEDERAL 15-22-9-16	SW/SE	22	9S	16E	DUCHESNE	4/22/2007	4/26/07
WELL 6 COMMENTS: <i>GRUV</i>											

RECEIVED

APR 25 2007

DIV. OF OIL, GAS & MINING

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

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

  
 Signature  
 Jentri Park  
 Production Clerk  
 Date 05 April 16, 2007

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.

5. Lease Serial No.  
USA UTU-67170

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE NE

8. Well Name and No.  
MON. BUTTE NE FEDERAL H-25-8-16

9. API Well No.  
4301333273

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
740 FNL 1958 FWL  
NENW Section 25 T8S R16E

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	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

On 4/18/07 MIRU NDSI NS #1. Spud well @ 3:30pm. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.08' On 4/20/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

RECEIVED  
MAY 02 2007  
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 04/28/2007

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 _____	

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 313.08

LAST CASING 8 5/8" SET AT 313.08'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal H-25-8-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS#1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 36.09'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.23
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			303.08
TOTAL LENGTH OF STRING		303.08	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>313.08</b>
TOTAL		301.23	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		301.23	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	4/18/2007	3:30PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		4/19/2005	4:00PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		4/20/2007	12:31 PM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE			
BEGIN PUMP CMT		4/20/2007	12:44 PM	N/A			
BEGIN DSPL. CMT		4/20/2007	12:55 PM	BUMPED PLUG TO <u>560</u> PSI			
PLUG DOWN		4/20/2007	1:03 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Don Bastian DATE 4/20/2007

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.

5. Lease Serial No.  
USA UTU-67170

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE NE

8. Well Name and No.  
MON. BUTTE NE FEDERAL H-25-8-16

9. API Well No.  
4301333273

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
740 FNL 1958 FWL  
NENW Section 25 T8S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____	
	<input type="checkbox"/> Convert to	<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 recompleat 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 recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/6/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 276'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6580'. Lay down drill string & BHA. . PU & TIH with Guide shoe, shoe jt, float collar, 149 jt's of 5.5 J-55, 15.5# csgn. Set @ 6576.40/ KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 480 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 26 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 118,000 #'s tension. Release rig @ 4:30pm 5/13/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 05/14/2007

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 reverse)

**RECEIVED**  
**MAY 18 2007**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6576.4

Flt cllr @ 6555.65'

LAST CASING 8 5/8" SET # 313.08'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6580 Loggers N/A \_\_\_\_\_  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Hawkeye Fed.H-25-8-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # \_\_\_\_\_ NDSI #2 \_\_\_\_\_  
 TVD= \_\_\_\_\_

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 4369' (6.00')					
149	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6543.65
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	19.5
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6578.4
TOTAL LENGTH OF STRING		6578.4	150	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		177.67	4	CASING SET DEPTH			<b>6576.4</b>
TOTAL		<b>6740.82</b>	154	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6721.32	154				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB <u>Yes</u> Bbls CMT CIRC TO SURFACE <u>26</u> RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u> DID BACK PRES. VALVE HOLD ? <u>Yes</u> BUMPED PLUG TO <u>2234</u> PSI			
BEGIN RUN CSG.		3:00 AM	5/13/2007				
CSG. IN HOLE		8:00 AM	5/13/2007				
BEGIN CIRC		8:30 AM	5/13/2007				
BEGIN PUMP CMT		10:17 AM	5/13/2007				
BEGIN DSPL. CMT		11:20 AM	5/13/2007				
PLUG DOWN		<b>11:51 AM</b>	<b>5/13/2007</b>				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	480	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Don Bastian DATE 5/13/2007

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.

5. Lease Serial No.  
USA UTU-67170

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE NE

8. Well Name and No.  
MON. BUTTE NE FEDERAL H-25-8-16

9. API Well No.  
4301333273

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**SUBMIT IN TRIPLICATE - Other Instructions on Reverse Side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
740 FNL 1958 FWL  
NENW Section 25 T8S R16E

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

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

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

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

**RECEIVED**  
**JUN 26 2007**

DIV. OF OIL, GAS & MINING

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

Title  
Regulatory Specialist

Signature  
*Mandie Crozier*

Date  
06/21/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Title \_\_\_\_\_ Date \_\_\_\_\_  
Office \_\_\_\_\_

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

(Instructions on reverse)

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
MON BUTTE NE

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

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

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333273

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 740 FNL 1958 FWL

COUNTY: DUCHESNE

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

STATE: UT

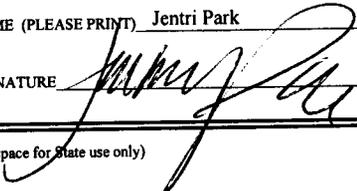
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 07/10/2007	<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 06/20/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 07/10/2007

(This space for State use only)

**RECEIVED**

**JUL 11 2007**

DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**MON BT NE H-25-8-16**

4/1/2007 To 8/30/2007

**6/5/2007 Day: 1**

**Completion**

Rigless on 6/4/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU HO trk & pressure test casing, frac head, casing valves & blind rams to 4500 psi. RU PSI Logging truck & run CBL W/ pressure. WLTD @ 6522' & cmt top @ 260'. Run Pulsed Neutron log W/ Gamma Ray/CCL f/ WLTD (6518') to 4350'. RD WLT & SIFN W/ 156 BWTR.

**6/15/2007 Day: 2**

**Completion**

Rigless on 6/14/2007 - RU Lone Wolf WLT, crane & lubricator. RIH w/ 20' perf gun. Perforate CP5 sds @ 6388-6408' w/ 3-1/8" Slick Guns ( 23 gram, .43"HE, 90 ) w/ 4 spf for total of 80 shots. RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1 down casing w/ 39,472#'s of 20/40 sand in 433 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2016 psi. Treated @ ave pressure of 1988 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2380. 589 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ Weatherford 5-1/2" (6K) solid composite frac plug & 17' perf gun. Set plug @ 6342'. Perforate CP4 sds @ 6311-28' w/ 4 spf for total of 68 shots. RU bj & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 39700#'s of 20/40 sand in 419 bbls of Lightning 17 frac fluid. Open well w/ 1730 psi on casing. Perfs broke down @ 3955 psi. Treated @ ave pressure of 1915 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2190. 1008 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 10', 10' perf guns. Set plug @ 6270'. Perforate CP3 sds @ 6244-53' & CP2 sds @ 6192-6202' w/ 4 spf for total of 80 shots. RU BJ & frac stage #3 w/ 29,158#'s of 20/40 sand in 387 bbls of Lightning 17 frac fluid. Open well w/ 1840 psi on casing. Perfs broke down @ 2749 psi. Treated @ ave pressure of 2328 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2260. 1395 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 12' perf gun. Set plug @ 6060'. Perforate LODC sds @ 5952-64" w/ 4 spf for total of 48 shots. RU BJ & frac stage #4 w/ 59,537#'s of 20/40 sand in 534 bbls of Lightning 17 frac fluid. Open well w/ 350 psi on casing. Perfs broke down @ 3779 psi. Treated @ ave pressure of 2694 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2270. 1929 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 8' perf gun. Set plug @ 5550'. Perforate B.5 sds @ 5444-52' w/ 4 spf for total of 32 shots. RU BJ & frac stage #5 w/ 19,361#'s of 20/40 sand in 301 bbls of Lightning 17 frac fluid. Open well w/ 1890 psi on casing. Perfs broke down @ 3317 psi. Treated @ ave pressure of 2302 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2000. 2230 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 6' perf gun. Set plug @ 5380'. Perforate D2 sds @ 5277-83' & D1 sds @ 5218-36' w/ 4 spf for total of 96 shots. SIFN.

**6/18/2007 Day: 3**

**Completion**

Rigless on 6/17/2007 - RU BJ & frac stage #6 w/ 70,060#'s of 20/40 sand in 557 bbls of Lightning 17 frac fluid. Open well w/ 1792 psi on casing. Perfs broke down @ 2360 psi. Treated @ ave pressure of 2027 @ ave rate of 24.8 bpm w/ 8 ppg of sand.

Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2260. 2787 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 14' perf gun. Set plug @ 4830'. Perforate GB6 sds @ 4718-32' w/ 4 spf for total of 56 shots. RU BJ & frac stage #6 w/ 39,978#'s of 20/40 sand in 374 bbls of Lightning 17 frac fluid. Open well w/ 1756 psi on casing. Perfs broke down @ 1860 psi. Treated @ ave pressure of 1964 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2010. 3161 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 12' perf gun. Set plug @ 4660'. Perforate GB4 sds @ 4622-34' w/ 4 spf for total of 48 shots. RU BJ & frac stage #8 w/ 43,948#'s of 20/40 sand in 313 bbls of Lightning 17 frac fluid. Open well w/ 340 psi on casing. Perfs broke down @ 3115 psi. Treated @ ave pressure of 2382 @ ave rate of 24.8 bpm w/ 8 ppg of sand. 3474 bbls EWTR. Screened out frac w/ 16,000#'s in casing w/ 70 bbls short on flush w/ 27,948#'s of sand in perfs. RD BJ & WLT. Flow well back. MIRU Western #4 rig. Well flowed for 7 hours & rec'd 490 bbls fluid. RD Cameron BOP & 5K frac head. Instal 3K production head. NU Schaefer BOP. SIFN.

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6/19/2007 Day: 4

Completion

Western #4 on 6/18/2007 - Bleed pressure off well. Rec est 30 BTF W/ tr oil--stays flowing steady. Talley, drift, PU & TIH W/ used 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4630'. RU & circ well W/ clean wtr. RU swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4630', plug @ 4660' in 15 minutes; no sd, plug @ 4830' in 12 minutes; sd @ 5347', plug @ 5380' in 25 minutes; no sd, plug @ 5550' in 15 minutes; sd @ 6033', plug @ 6060' in 20 minutes; sd @ 6256', plug @ 6270' in 20 minutes; sd @ 6325', plug @ 6342' in 10 minutes. Con't swivelling jts in hole. Tag fill @ 6487'. Drill plug remains & sd to PBDT @ 6555'. Circ hole clean. Gained est 280 BTF during TIH & cleanout. RD swivel. Pull EOT to 6470'. SIFN W/ est 2674 BWTR.

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6/20/2007 Day: 5

Completion

Western #4 on 6/19/2007 - Bleed pressure off well. Rec est 260 BTF (est 220 BW & 40 BO). RU & circ well W/ 160 bbls 10# brine wtr. Rec est 200 BW & 20 BO. Well stays flowing slightly. TIH W/ bit and tbg f/ 6470'. Tag PBDT @ 6555' (no new fill). LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 204 jts 2 7/8 8rd 6.5# J-55 tbg. Well flowing strong. Estimated 100 BW recovered on trip. RU & pump 100 bbls 10# brine wtr & 40 bbls production wtr dn tbg (let csg flow). ND BOP. Set TA @ 6379' W/ SN @ 6413' & EOT @ 6478'. Land tbg W/ 16,000# tension. NU wellhead. RU HO trk & pump 40 bbls brine dn tbg. SIFN W/ est 2314 BWTR.

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6/21/2007 Day: 6

Completion

Western #4 on 6/20/2007 - Casing flowed est 200 BW & 40 BO overnight. Tbg on slight vacuum. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 20.5' RHAC pump, 4-1 1/2" weight rods, 251-7/8" scraped rods (78 grade W/ 8 scrapers per rod), 1-8' & 1-4' X 7/8" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 6 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 2120 BWTR. Place well on production @ 11:00 AM 6/20/2007 W/ 144" SL @ 5 SPM. FINAL REPORT!!

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Pertinent Files: Go to File List

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-67170

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NA

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME  
Monument Butte NE Fed

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.  
Monument Butte NE Fed H-25-8-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.  
4301333273

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202 (435) 646-3721

10. FIELD AND POOL OR WILDCAT  
Monument Butte

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

At Surface 740' FNL & 1958' FWL (NE/NW) Sec. 25, T8S, R16E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 25, T8S, R16E

At top prod. Interval reported below

At total depth 1419 FNL 2673 FWL

14. API NO. 4301333273 DATE ISSUED 8/25/05

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 04/18/07 16. DATE T.D. REACHED 05/12/07 17. DATE COMPL. (Ready to prod.) 06/20/07 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5434' GL 5446' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5 6485-TVD 6480-MD 21. PLUG BACK T.D., MD & TVD 6460-TVD 6555-MD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY -----> 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Green River 4622'-6408'

25. WAS DIRECTIONAL SURVEY MADE No Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Pulsed Neutron, GR, CCL 27. WAS WELL CORED No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	313'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6576'	7-7/8"	350 sx Premlite II and 480 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6478'	TA @ 6379'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 6388'-6408'	.43"	4/80	6388'-6408'	Frac w/ 39,472# 20/40 sand in 433 bbls fluid
(CP4) 6311'-6328'	.43"	4/68	6311'-6328'	Frac w/ 39,700# 20/40 sand in 419 bbls fluid
(CP3 & 2) 6244'-6253', 6192'-6202'	.43"	4/80	6192'-6254'	Frac w/ 29,158# 20/40 sand in 387 bbls fluid
(LODC) 5952'-5964'	.43"	4/48	5952'-5964'	Frac w/ 59,537# 20/40 sand in 534 bbls fluid
(B.5) 5444'-5452'	.43"	4/32	5444'-5452'	Frac w/ 19,361# 20/40 sand in 301 bbls fluid
(D2 & 1) 5277'-5283', 5218'-5236'	.43"	4/96	5218'-5283'	Frac w/ 70,060# 20/40 sand in 557 bbls fluid
(GB6) 4718'-4732'	.43"	4/56	4718'-4732'	Frac w/ 39,378# 20/40 sand in 374 bbls fluid
(GB4) 4622'-4634'	.43"	4/48	4622'-4634'	Frac w/ 43,948# 20/40 sand in 313 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
06/20/07	2-1/2" x 1-1/2" x 20.5' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	15	5	241	333
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ATTACHMENTS RECEIVED JUL 18 2007

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED Jentz Park TITLE DIV. OF OIL, GAS & MINING Production Clerk DATE 7/11/2007 JP

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name</b> <b>Monument Butte NE Fed H-25-8-16</b>	Garden Gulch Mkr		
				Garden Gulch 1	4360'	
				Garden Gulch 2	4484'	
				Point 3 Mkr	4773'	
				X Mkr	5010'	
				Y-Mkr	5052'	
				Douglas Creek Mkr	5177'	
				BiCarbonate Mkr	5443'	
				B Limestone Mkr	5584'	
				Castle Peak	6106'	
				Basal Carbonate	6504'	
				Total Depth (LOGGERS)	6518'	

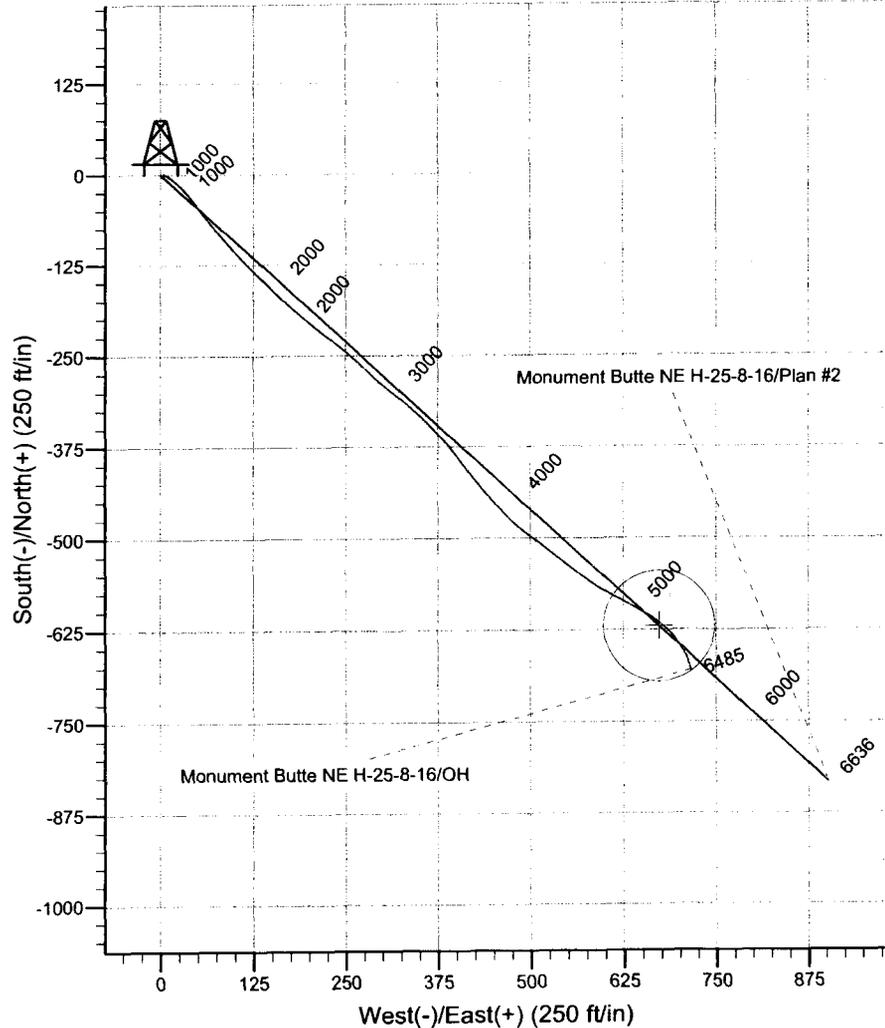
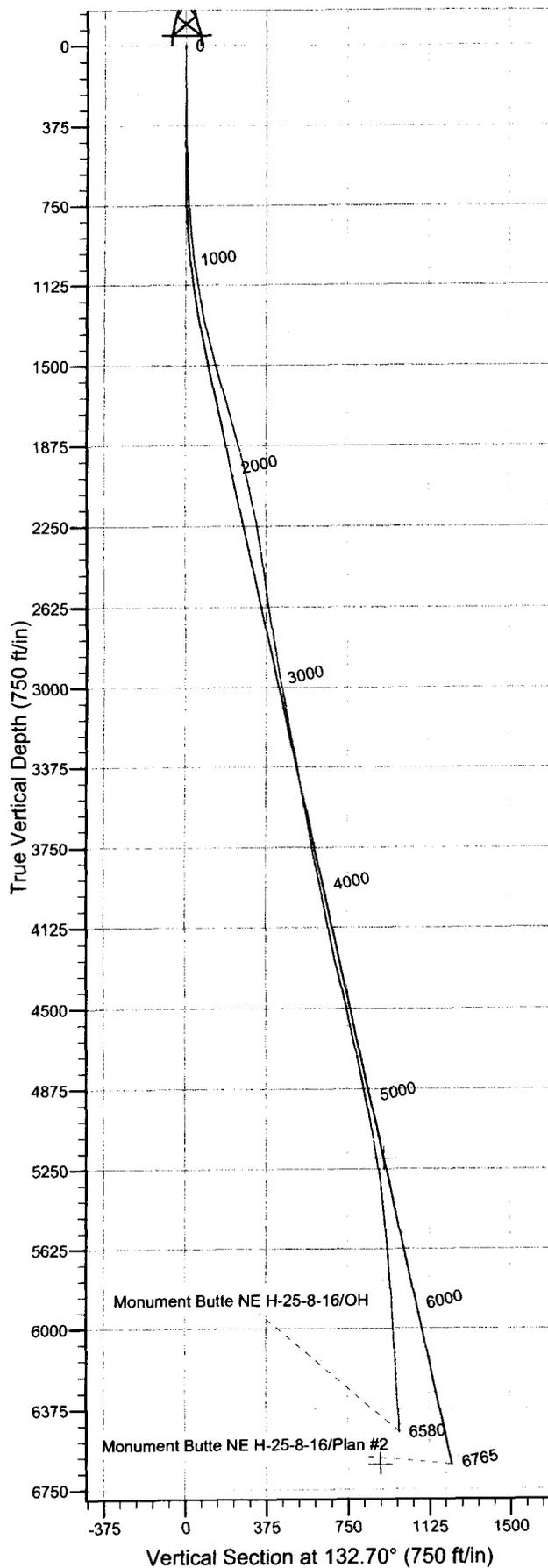




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Monument Butte NE H-25-8-16  
Well: Monument Butte NE H-25-8-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



**WELL DETAILS: Monument Butte NE H-25-8-16**

+N/-S	+E/-W	Ground Level: Northing	GL 5434' & RKB 12' @ 5446.00ft Easting	Latitude	Longitude	Slot
0.00	0.00	7206203.25	2040391.01	40° 5' 38.680 N	110° 4' 12.760 W	

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well Monument Butte NE H-25-8-16, True North  
Vertical (TVD) Reference: GL 5434' & RKB 12' @ 5446.00ft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 5434' & RKB 12' @ 5446.00ft  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec. 25 T8S R16E

**PROJECT DETAILS: Duchesne County, UT**

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

Design: OH (Monument Butte NE H-25-8-16/OH)

Created By: Rex Hall Date: 2007-06-24

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Monument Butte NE H-25-8-16**

**Monument Butte NE H-25-8-16**

**OH**

**Design: OH**

## **Standard Survey Report**

**24 June, 2007**

# Scientific Drilling

## Survey Report

<b>Company:</b> Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b> Well Monument Butte NE H-25-8-16
<b>Project:</b> Duchesne County, UT	<b>TVD Reference:</b> GL 5434' & RKB 12' @ 5446.00ft
<b>Site:</b> Monument Butte NE H-25-8-16	<b>MD Reference:</b> GL 5434' & RKB 12' @ 5446.00ft
<b>Well:</b> Monument Butte NE H-25-8-16	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> OH	<b>Database:</b> MultiUserEDM

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

**Site** Monument Butte NE H-25-8-16, Sec. 25 T8S R16E

<b>Site Position:</b>	<b>Northing:</b> 7,206,203.25 ft	<b>Latitude:</b> 40° 5' 38.680 N
<b>From:</b> Lat/Long	<b>Easting:</b> 2,040,391.01 ft	<b>Longitude:</b> 110° 4' 12.760 W
<b>Position Uncertainty:</b> 0.00 ft	<b>Slot Radius:</b> 0.000 in	<b>Grid Convergence:</b> 0.92 °

**Well** Monument Butte NE H-25-8-16, SHL: 740' FNL, 1958' FWL

<b>Well Position</b>	<b>Northing:</b> 7,206,203.25 ft	<b>Latitude:</b> 40° 5' 38.680 N
<b>+N/-S</b> 0.00 ft	<b>Easting:</b> 2,040,391.01 ft	<b>Longitude:</b> 110° 4' 12.760 W
<b>+E/-W</b> 0.00 ft	<b>Wellhead Elevation:</b> ft	<b>Ground Level:</b> 5,434.00 ft
<b>Position Uncertainty</b> 0.00 ft		

**Wellbore** OH

<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF200510	2007-04-19	(°) 11.85	(°) 65.94	(nT) 52,728

**Design** OH

**Audit Notes:**

**Version:** 1.0      **Phase:** ACTUAL      **Tie On Depth:**

<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	132.70

**Survey Program**      **Date** 2007-06-24

<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
(ft)	(ft)			
384.00	6,580.00	Survey #1 (OH)	MWD	MWD - Standard

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
384.00	0.93	85.90	383.98	0.22	3.11	2.13	0.24	0.24	0.00	
<b>First SDI MWD Survey</b>										
414.00	0.91	91.05	413.98	0.24	3.59	2.48	0.28	-0.07	17.17	
445.00	1.04	98.15	444.97	0.19	4.11	2.89	0.57	0.42	22.90	
476.00	1.24	99.03	475.97	0.10	4.72	3.40	0.65	0.65	2.84	
506.00	1.49	104.58	505.96	-0.05	5.42	4.02	0.94	0.83	18.50	
537.00	1.85	106.85	536.95	-0.30	6.29	4.82	1.18	1.16	7.32	
568.00	2.14	114.75	567.93	-0.68	7.30	5.83	1.29	0.94	25.48	
599.00	2.26	118.99	598.91	-1.22	8.36	6.97	0.65	0.39	13.68	
629.00	2.54	126.07	628.88	-1.90	9.41	8.21	1.36	0.93	23.60	
660.00	2.81	127.20	659.85	-2.76	10.57	9.64	0.89	0.87	3.65	
691.00	3.09	125.89	690.80	-3.71	11.85	11.23	0.93	0.90	-4.23	

# Scientific Drilling

## Survey Report

<b>Company:</b>	Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b>	Well Monument Butte NE H-25-8-16
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	GL 5434' & RKB 12' @ 5446.00ft
<b>Site:</b>	Monument Butte NE H-25-8-16	<b>MD Reference:</b>	GL 5434' & RKB 12' @ 5446.00ft
<b>Well:</b>	Monument Butte NE H-25-8-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	MultiUserEDM

### 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)
722.00	3.46	128.32	721.75	-4.78	13.26	12.99	1.27	1.19	7.84
752.00	3.85	128.70	751.69	-5.97	14.76	14.90	1.30	1.30	1.27
783.00	4.14	130.80	782.62	-7.36	16.42	17.06	1.05	0.94	6.77
814.00	4.61	130.44	813.53	-8.90	18.21	19.42	1.52	1.52	-1.16
844.00	5.10	131.05	843.42	-10.55	20.14	21.96	1.64	1.63	2.03
875.00	5.65	130.87	874.28	-12.46	22.33	24.86	1.78	1.77	-0.58
907.00	6.09	132.95	906.11	-14.64	24.76	28.13	1.53	1.37	6.50
937.00	6.52	134.41	935.93	-16.92	27.15	31.43	1.53	1.43	4.87
969.00	7.03	135.28	967.71	-19.58	29.82	35.20	1.63	1.59	2.72
1,001.00	7.27	138.94	999.46	-22.50	32.53	39.17	1.61	0.75	11.44
1,032.00	7.76	141.95	1,030.19	-25.63	35.11	43.18	2.03	1.58	9.71
1,062.00	8.41	142.66	1,059.90	-28.97	37.69	47.34	2.19	2.17	2.37
1,093.00	8.91	143.72	1,090.54	-32.71	40.48	51.93	1.69	1.61	3.42
1,123.00	9.35	144.36	1,120.16	-36.56	43.28	56.60	1.51	1.47	2.13
1,155.00	10.05	144.27	1,151.70	-40.94	46.42	61.88	2.19	2.19	-0.28
1,186.00	10.32	142.37	1,182.22	-45.33	49.70	67.27	1.39	0.87	-6.13
1,216.00	11.11	142.69	1,211.69	-49.76	53.09	72.76	2.64	2.63	1.07
1,247.00	11.31	143.64	1,242.10	-54.58	56.70	78.69	0.88	0.65	3.06
1,278.00	11.98	141.97	1,272.46	-59.57	60.49	84.85	2.42	2.16	-5.39
1,310.00	12.61	141.35	1,303.73	-64.91	64.71	91.58	2.01	1.97	-1.94
1,341.00	13.22	142.75	1,333.95	-70.37	68.97	98.41	2.21	1.97	4.52
1,372.00	13.57	141.39	1,364.10	-76.04	73.39	105.50	1.52	1.13	-4.39
1,404.00	14.08	141.39	1,395.17	-82.01	78.16	113.06	1.59	1.59	0.00
1,435.00	14.57	141.16	1,425.21	-88.00	82.96	120.64	1.59	1.58	-0.74
1,528.00	15.58	138.00	1,515.01	-106.39	98.65	144.65	1.40	1.09	-3.40
1,623.00	15.94	135.54	1,606.44	-125.18	116.33	170.38	0.80	0.38	-2.59
1,715.00	16.03	135.98	1,694.88	-143.33	134.00	195.68	0.16	0.10	0.48
1,810.00	15.80	134.27	1,786.24	-161.79	152.38	221.70	0.55	-0.24	-1.80
1,904.00	15.52	133.78	1,876.75	-179.43	170.62	247.07	0.33	-0.30	-0.52
1,997.00	14.16	129.56	1,966.65	-195.28	188.38	270.87	1.87	-1.46	-4.54
2,091.00	12.92	128.51	2,058.04	-209.15	205.46	292.83	1.34	-1.32	-1.12
2,185.00	11.83	128.30	2,149.85	-221.66	221.25	312.92	1.16	-1.16	-0.22
2,280.00	10.28	128.86	2,243.09	-233.02	235.49	331.09	1.64	-1.63	0.59
2,373.00	9.00	128.88	2,334.77	-242.79	247.62	346.63	1.38	-1.38	0.02
2,467.00	7.48	130.03	2,427.80	-251.34	258.03	360.08	1.63	-1.62	1.22
2,559.00	7.21	132.51	2,519.04	-259.09	266.87	371.83	0.45	-0.29	2.70
2,653.00	7.97	135.48	2,612.22	-267.73	275.79	384.24	0.91	0.81	3.16
2,746.00	9.03	133.76	2,704.20	-277.37	285.58	397.98	1.17	1.14	-1.85
2,840.00	9.80	129.13	2,796.93	-287.52	297.11	413.34	1.15	0.82	-4.93
2,933.00	9.95	127.75	2,888.55	-297.44	309.60	429.24	0.30	0.16	-1.48
3,027.00	9.60	129.56	2,981.19	-307.40	322.07	445.16	0.50	-0.37	1.93
3,119.00	10.39	132.46	3,071.79	-317.89	334.10	461.12	1.02	0.86	3.15
3,213.00	10.88	130.91	3,164.18	-329.42	347.06	478.46	0.60	0.52	-1.65
3,305.00	10.57	134.86	3,254.57	-341.06	359.60	495.57	0.87	-0.34	4.29
3,398.00	10.44	138.14	3,346.01	-353.35	371.27	512.48	0.66	-0.14	3.53
3,492.00	11.33	136.91	3,438.32	-366.44	383.26	530.17	0.98	0.95	-1.31
3,586.00	9.67	143.55	3,530.75	-379.53	394.26	547.13	2.18	-1.77	7.06
3,679.00	11.08	144.17	3,622.22	-393.06	404.14	563.56	1.52	1.52	0.67
3,773.00	10.86	142.27	3,714.51	-407.39	414.84	581.15	0.45	-0.23	-2.02
3,867.00	11.02	140.97	3,806.80	-421.37	425.92	598.77	0.31	0.17	-1.38
3,960.00	11.60	141.67	3,897.99	-435.61	437.32	616.80	0.64	0.62	0.75
4,052.00	11.57	137.13	3,988.12	-449.63	449.33	635.14	0.99	-0.03	-4.93
4,145.00	11.03	136.89	4,079.32	-462.96	461.75	653.31	0.58	-0.58	-0.26
4,247.00	10.69	135.38	4,179.49	-476.81	475.07	672.49	0.43	-0.33	-1.48

# Scientific Drilling

## Survey Report

<b>Company:</b> Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b> Well Monument Butte NE H-25-8-16
<b>Project:</b> Duchesne County, UT	<b>TVD Reference:</b> GL 5434' & RKB 12' @ 5446.00ft
<b>Site:</b> Monument Butte NE H-25-8-16	<b>MD Reference:</b> GL 5434' & RKB 12' @ 5446.00ft
<b>Well:</b> Monument Butte NE H-25-8-16	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> OH	<b>Database:</b> MultiUserEDM

### 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)
4,342.00	13.25	127.48	4,272.42	-489.71	489.90	692.14	3.19	2.69	-8.32
4,436.00	13.54	127.40	4,363.87	-502.95	507.19	713.82	0.31	0.31	-0.09
4,529.00	12.62	128.21	4,454.45	-515.85	523.82	734.79	1.01	-0.99	0.87
4,624.00	12.35	128.22	4,547.21	-528.55	539.96	755.26	0.28	-0.28	0.01
4,718.00	12.99	127.42	4,638.92	-541.19	556.25	775.81	0.71	0.68	-0.85
4,813.00	11.73	127.99	4,731.71	-553.62	572.34	796.06	1.33	-1.33	0.60
4,907.00	11.75	123.55	4,823.75	-564.80	587.84	815.04	0.96	0.02	-4.72
5,001.00	11.67	118.92	4,915.79	-574.68	604.14	833.72	1.00	-0.09	-4.93
5,095.00	10.64	118.79	5,008.02	-583.46	620.07	851.38	1.10	-1.10	-0.14
5,188.00	9.69	119.23	5,099.56	-591.42	634.42	867.32	1.02	-1.02	0.47
5,282.00	9.11	121.08	5,192.29	-599.12	647.70	882.31	0.70	-0.62	1.97
5,377.00	8.16	121.70	5,286.22	-606.55	659.88	896.29	1.00	-1.00	0.65
5,470.00	6.70	126.69	5,378.43	-613.26	669.85	908.17	1.71	-1.57	5.37
5,565.00	5.80	127.61	5,472.87	-619.50	678.09	918.46	0.95	-0.95	0.97
5,659.00	5.37	136.55	5,566.42	-625.59	684.88	927.58	1.03	-0.46	9.51
5,750.00	4.75	140.62	5,657.07	-631.59	690.20	935.56	0.79	-0.68	4.47
5,844.00	4.05	148.58	5,750.79	-637.44	694.40	942.61	0.99	-0.74	8.47
5,936.00	3.93	145.27	5,842.57	-642.80	697.89	948.81	0.28	-0.13	-3.60
6,027.00	3.36	148.66	5,933.38	-647.64	701.05	954.42	0.67	-0.63	3.73
6,122.00	3.63	143.53	6,028.21	-652.44	704.29	960.05	0.43	0.28	-5.40
6,214.00	3.58	152.20	6,120.03	-657.32	707.36	965.62	0.59	-0.05	9.42
6,308.00	3.34	159.41	6,213.86	-662.48	709.69	970.83	0.53	-0.26	7.67
6,402.00	3.54	157.94	6,307.69	-667.73	711.74	975.90	0.23	0.21	-1.56
6,497.00	3.97	165.79	6,402.48	-673.64	713.65	981.31	0.70	0.45	8.26
6,521.00	3.83	160.71	6,426.43	-675.20	714.12	982.71	1.55	-0.58	-21.17
6,580.00	3.83	160.71	6,485.30	-678.92	715.42	986.19	0.00	0.00	0.00

### Projection To TD

#### Targets

##### Target Name

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Old MBNE H-25-8-16 Bt - hit/miss target - Shape	0.00	0.00	6,636.00	-580.00	686.00	7,205,634.29	2,041,086.19	40° 5' 32.948 N	110° 4' 3.932 W
- actual wellpath misses by 182.65ft at 6580.00ft MD (6485.30 TVD, -678.92 N, 715.42 E)									
- Point									
MBNE H-25-8-16 Target - actual wellpath misses by 30.45ft at 5294.37ft MD (5204.51 TVD, -600.13 N, 649.37 E)	0.00	0.00	5,200.00	-620.00	672.00	7,205,594.07	2,041,072.84	40° 5' 32.552 N	110° 4' 4.113 W
- Circle (radius 75.00)									

Checked By: _____	Approved By: _____	Date: _____
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