

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

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

5. Lease Serial No. <b>UTU-47171</b>	
6. If Indian, Allottee or Tribe Name <b>N/A</b>	
7. If Unit or CA Agreement, Name and No. <b>Wells Draw Unit</b>	
8. Lease Name and Well No. <b>Wells Draw Federal P-34-8-16</b>	
9. API Well No. <b>43-013-33977</b>	
10. Field and Pool, or Exploratory Monument Butte <b>Monument Butte</b>	
11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec. 33, T8S R16E</b>	
12. County or Parish <b>Duchesne</b>	13. State <b>UT</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximatley 11.7 miles southwest of Myton, Utah</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' f/ise, 1280' f/unit <b>Approx. 1312'</b>	16. No. of Acres in lease <b>160.00</b>
17. Spacing Unit dedicated to this well <b>20 Acres</b>	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>6445'</b>
19. Proposed Depth <b>6445'</b>	20. BLM/BIA Bond No. on file <b>WYB000493</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5701' GL</b>	22. Approximate date work will start* <b>3rd Quarter 2008</b>
23. Estimated duration <b>Approximately seven (7) days from spud to rig release.</b>	

**24. Attachments**

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) <b>Mandie Crozier</b>	Date <b>4/22/08</b>
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Title <b>Regulatory Specialist</b>		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>05-05-08</b>
Title <b>Regulatory Specialist</b>	Office <b>ENVIRONMENTAL MANAGER</b>	

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

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

\*(Instructions on reverse)

Surf

575335X  
4435580Y  
40.069007  
110.116582

BHL

575553X  
4435763Y  
40.070636  
110.114066

Federal Approval of this  
Action is Necessary

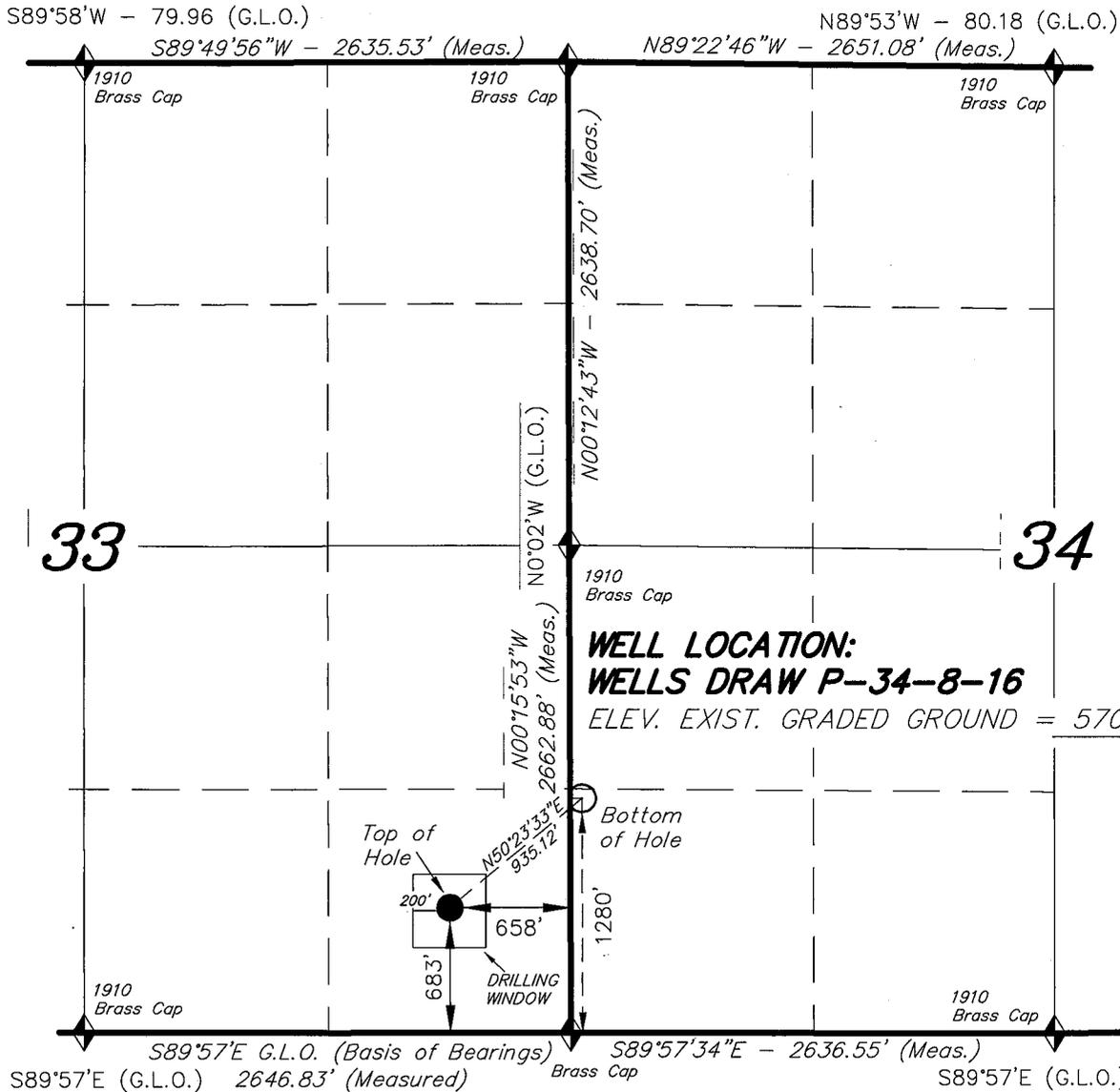
**RECEIVED**

**APR 29 2008**

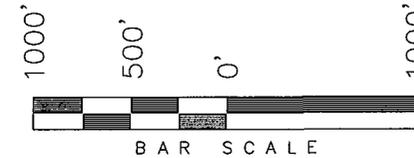
**DIV. OF OIL, GAS & MINING**

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

# NEWFIELD PRODUCTION COMPANY



WELL LOCATION, WELLS DRAW P-34-8-16,  
 LOCATED AS SHOWN IN THE SE 1/4 SE  
 1/4 OF SECTION 33, T8S, R16E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.

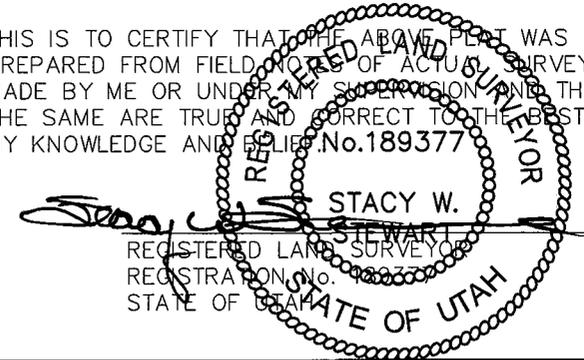


**Note:**

1. The bottom of hole footages are 1280' FSL & 65' FWL of Section 34, T8S, R16E, S.L.B.&M.



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



◆ = SECTION CORNERS LOCATED

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

**WELLS DRAW P-34-8-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 04' 08.61"  
 LONGITUDE = 110° 07' 02.35"

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

DATE SURVEYED: 02-15-08	SURVEYED BY: T.H.
DATE DRAWN: 03-04-08	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
WELLS DRAW FEDERAL P-34-8-16  
AT SURFACE: SE/SE SECTION 33, 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' – 1748'
Green River	1748'
Wasatch	6445'

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

Green River Formation 1748' – 6445' - 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  
WELLS DRAW FEDERAL P-34-8-16  
AT SURFACE: SE/SE SECTION 33, 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 Wells Draw Federal P-34-8-16 located in the SE 1/4 SE 1/4 Section 33, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 6.2 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 4.1miles  $\pm$  to the beginning of the access road existing Federal 44-33B-8-16 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 44-33B-8-16 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the Federal 44-33B-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Wells Draw Federal P-34-8-16. All permanent surface equipment will be painted Carlsbad Canyon.

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

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

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

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Wells Draw Federal P-34-8-16 will be drilled off of the existing Federal 44-33B-8-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

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

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

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

None for the proposed Wells Draw Federal P-34-8-16

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

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

**Details of the On-Site Inspection**

The proposed Wells Draw Federal P-34-8-16 was on-sited on 3/26/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management )and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

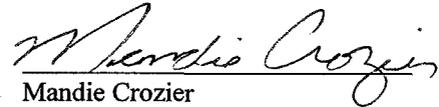
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #P-34-8-16 SE/SE Section 34, Township 8S, Range 16E: Lease UTU-47171 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

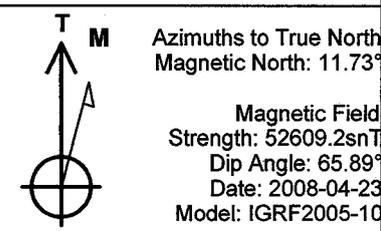
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will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

4/22/08

Date

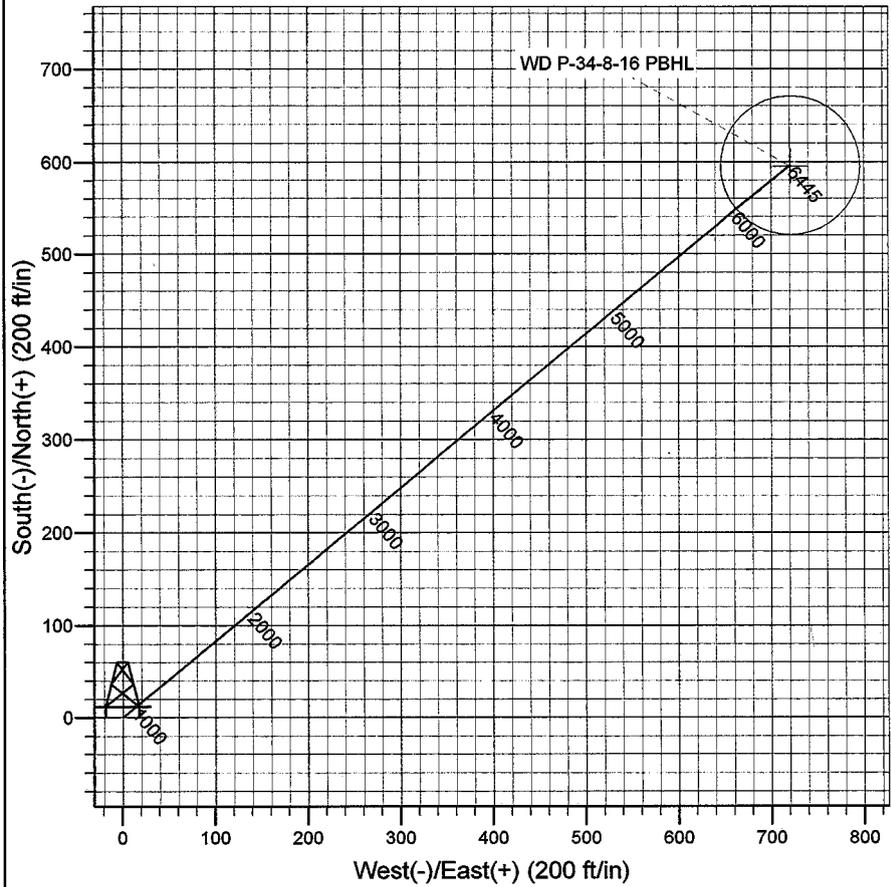
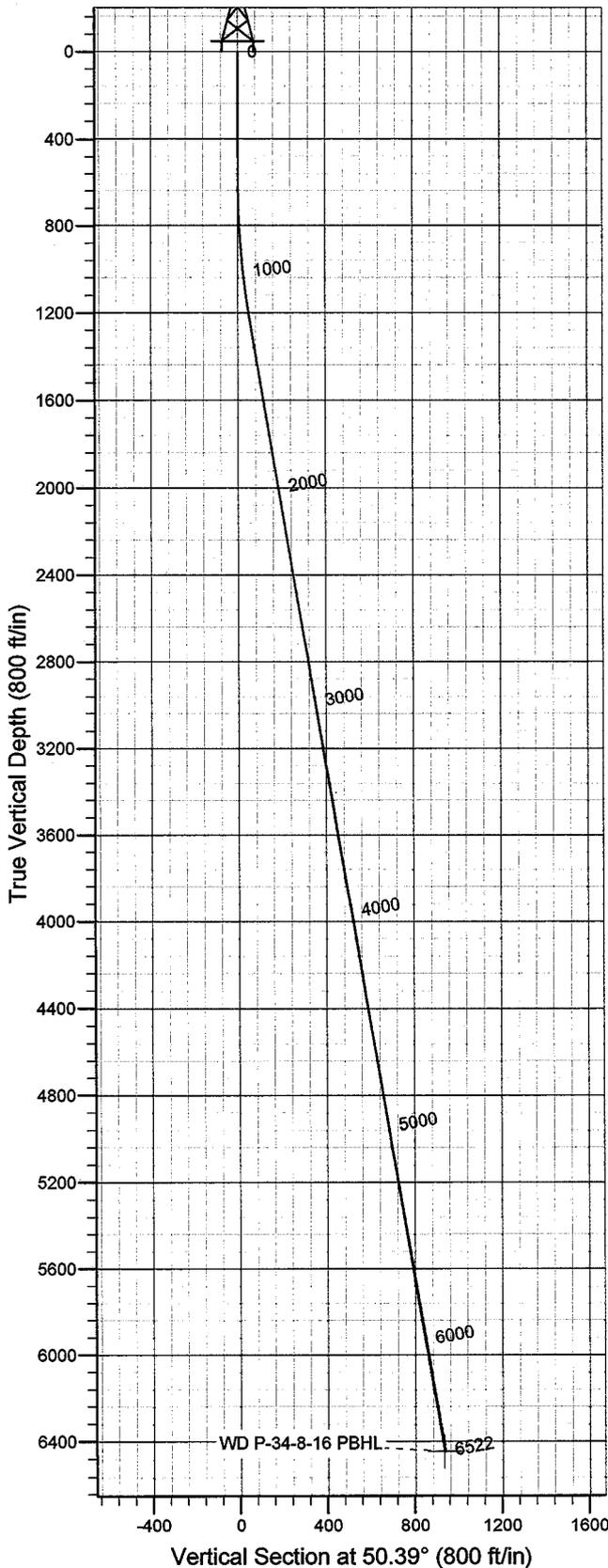


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



WELL DETAILS: Wells Draw P-34-8-16

GL 5701' & RKB 12' @ 5713.00ft 5701.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7196883.61	2027354.81	40° 4' 8.610 N	110° 7' 2.350 W



Plan: Plan #1 (Wells Draw P-34-8-16/OH)
Created By: Julie Cruse Date: 2008-04-23
PROJECT DETAILS: Duchesne County, UT NAD83 UTC
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1240.54	9.61	50.39	1237.55	34.16	41.28	1.50	50.39	53.58	
6522.09	9.61	50.39	6445.00	596.19	720.42	0.00	0.00	935.12	WD P-34-8-16 PBHL

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Wells Draw**

**Wells Draw P-34-8-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**23 April, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Wells Draw  
**Well:** Wells Draw P-34-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Wells Draw P-34-8-16  
**TVD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**MD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Wells Draw,				
<b>Site Position:</b>		<b>Northing:</b>	7,198,076.65 ft	<b>Latitude:</b>	40° 4' 21.410 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,020,683.91 ft	<b>Longitude:</b>	110° 8' 27.920 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.87 °

<b>Well</b>	Wells Draw P-34-8-16, 683' FSL 658' FEL Sec 33 T8S R16E					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,198,883.61 ft	<b>Latitude:</b>	40° 4' 8.610 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,027,354.81 ft	<b>Longitude:</b>	110° 7' 2.350 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,701.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-04-23	11.73	65.89	52,609

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	50.39

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,240.54	9.61	50.39	1,237.55	34.16	41.28	1.50	1.50	0.00	50.39	
6,522.09	9.61	50.39	6,445.00	596.19	720.42	0.00	0.00	0.00	0.00	0.00 WD P-34-8-16 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Wells Draw  
**Well:** Wells Draw P-34-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Wells Draw P-34-8-16  
**TVD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**MD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	50.39	699.99	0.83	1.01	1.31	1.50	1.50	0.00
800.00	3.00	50.39	799.91	3.34	4.03	5.23	1.50	1.50	0.00
900.00	4.50	50.39	899.89	7.51	9.07	11.77	1.50	1.50	0.00
1,000.00	6.00	50.39	999.27	13.34	16.12	20.92	1.50	1.50	0.00
1,100.00	7.50	50.39	1,098.57	20.83	25.18	32.68	1.50	1.50	0.00
1,200.00	9.00	50.39	1,197.54	29.98	36.23	47.03	1.50	1.50	0.00
1,240.54	9.61	50.39	1,237.55	34.16	41.28	53.58	1.50	1.50	0.00
1,300.00	9.61	50.39	1,296.17	40.49	48.92	63.51	0.00	0.00	0.00
1,400.00	9.61	50.39	1,394.77	51.13	61.78	80.20	0.00	0.00	0.00
1,500.00	9.61	50.39	1,493.36	61.77	74.64	96.89	0.00	0.00	0.00
1,600.00	9.61	50.39	1,591.96	72.41	87.50	113.58	0.00	0.00	0.00
1,700.00	9.61	50.39	1,690.56	83.05	100.36	130.27	0.00	0.00	0.00
1,800.00	9.61	50.39	1,789.15	93.70	113.22	146.96	0.00	0.00	0.00
1,900.00	9.61	50.39	1,887.75	104.34	126.08	163.65	0.00	0.00	0.00
2,000.00	9.61	50.39	1,986.35	114.98	138.94	180.34	0.00	0.00	0.00
2,100.00	9.61	50.39	2,084.95	125.62	151.79	197.03	0.00	0.00	0.00
2,200.00	9.61	50.39	2,183.54	136.26	164.65	213.72	0.00	0.00	0.00
2,300.00	9.61	50.39	2,282.14	146.90	177.51	230.41	0.00	0.00	0.00
2,400.00	9.61	50.39	2,380.74	157.54	190.37	247.11	0.00	0.00	0.00
2,500.00	9.61	50.39	2,479.33	168.19	203.23	263.80	0.00	0.00	0.00
2,600.00	9.61	50.39	2,577.93	178.83	216.09	280.49	0.00	0.00	0.00
2,700.00	9.61	50.39	2,676.53	189.47	228.95	297.18	0.00	0.00	0.00
2,800.00	9.61	50.39	2,775.13	200.11	241.81	313.87	0.00	0.00	0.00
2,900.00	9.61	50.39	2,873.72	210.75	254.66	330.56	0.00	0.00	0.00
3,000.00	9.61	50.39	2,972.32	221.39	267.52	347.25	0.00	0.00	0.00
3,100.00	9.61	50.39	3,070.92	232.03	280.38	363.94	0.00	0.00	0.00
3,200.00	9.61	50.39	3,169.52	242.68	293.24	380.63	0.00	0.00	0.00
3,300.00	9.61	50.39	3,268.11	253.32	306.10	397.32	0.00	0.00	0.00
3,400.00	9.61	50.39	3,366.71	263.96	318.96	414.02	0.00	0.00	0.00
3,500.00	9.61	50.39	3,465.31	274.60	331.82	430.71	0.00	0.00	0.00
3,600.00	9.61	50.39	3,563.90	285.24	344.68	447.40	0.00	0.00	0.00
3,700.00	9.61	50.39	3,662.50	295.88	357.53	464.09	0.00	0.00	0.00
3,800.00	9.61	50.39	3,761.10	306.52	370.39	480.78	0.00	0.00	0.00
3,900.00	9.61	50.39	3,859.70	317.17	383.25	497.47	0.00	0.00	0.00
4,000.00	9.61	50.39	3,958.29	327.81	396.11	514.16	0.00	0.00	0.00
4,100.00	9.61	50.39	4,056.89	338.45	408.97	530.85	0.00	0.00	0.00
4,200.00	9.61	50.39	4,155.49	349.09	421.83	547.54	0.00	0.00	0.00
4,300.00	9.61	50.39	4,254.08	359.73	434.69	564.23	0.00	0.00	0.00
4,400.00	9.61	50.39	4,352.68	370.37	447.55	580.92	0.00	0.00	0.00
4,500.00	9.61	50.39	4,451.28	381.01	460.40	597.62	0.00	0.00	0.00
4,600.00	9.61	50.39	4,549.88	391.66	473.26	614.31	0.00	0.00	0.00
4,700.00	9.61	50.39	4,648.47	402.30	486.12	631.00	0.00	0.00	0.00
4,800.00	9.61	50.39	4,747.07	412.94	498.98	647.69	0.00	0.00	0.00
4,900.00	9.61	50.39	4,845.67	423.58	511.84	664.38	0.00	0.00	0.00
5,000.00	9.61	50.39	4,944.27	434.22	524.70	681.07	0.00	0.00	0.00
5,100.00	9.61	50.39	5,042.86	444.86	537.56	697.76	0.00	0.00	0.00
5,200.00	9.61	50.39	5,141.46	455.50	550.41	714.45	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Wells Draw  
**Well:** Wells Draw P-34-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Wells Draw P-34-8-16  
**TVD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**MD Reference:** GL 5701' & RKB 12' @ 5713.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.61	50.39	5,240.06	466.15	563.27	731.14	0.00	0.00	0.00
5,400.00	9.61	50.39	5,338.65	476.79	576.13	747.83	0.00	0.00	0.00
5,500.00	9.61	50.39	5,437.25	487.43	588.99	764.52	0.00	0.00	0.00
5,600.00	9.61	50.39	5,535.85	498.07	601.85	781.22	0.00	0.00	0.00
5,700.00	9.61	50.39	5,634.45	508.71	614.71	797.91	0.00	0.00	0.00
5,800.00	9.61	50.39	5,733.04	519.35	627.57	814.60	0.00	0.00	0.00
5,900.00	9.61	50.39	5,831.64	529.99	640.43	831.29	0.00	0.00	0.00
6,000.00	9.61	50.39	5,930.24	540.64	653.28	847.98	0.00	0.00	0.00
6,100.00	9.61	50.39	6,028.83	551.28	666.14	864.67	0.00	0.00	0.00
6,200.00	9.61	50.39	6,127.43	561.92	679.00	881.36	0.00	0.00	0.00
6,300.00	9.61	50.39	6,226.03	572.56	691.86	898.05	0.00	0.00	0.00
6,400.00	9.61	50.39	6,324.63	583.20	704.72	914.74	0.00	0.00	0.00
6,500.00	9.61	50.39	6,423.22	593.84	717.58	931.43	0.00	0.00	0.00
6,522.09	9.61	50.39	6,445.00	596.19	720.42	935.12	0.00	0.00	0.00

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
WD P-34-8-16 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,445.00	596.19	720.42	7,197,490.87	2,028,065.92	40° 4' 14.502 N	110° 6' 53.082 W

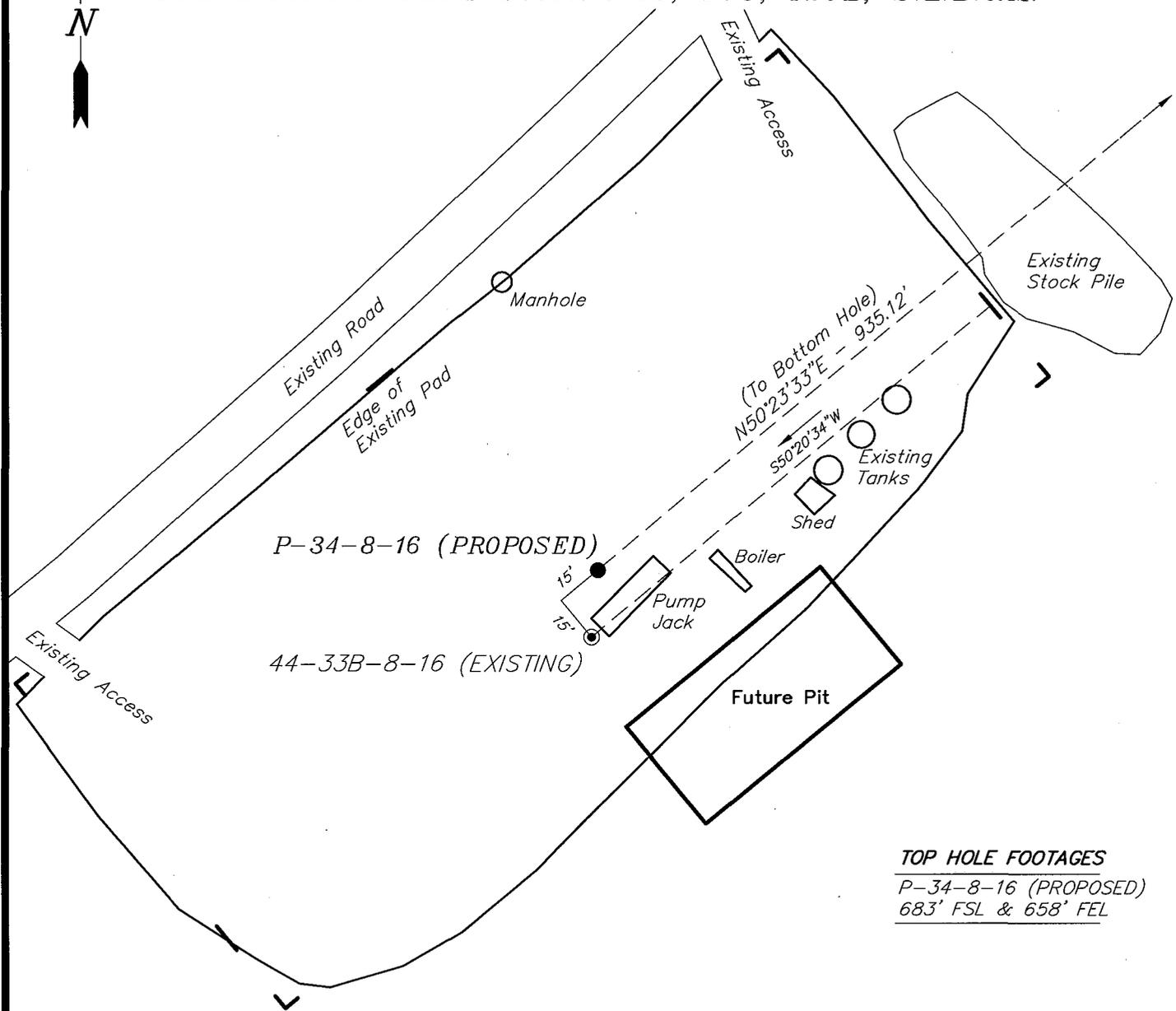
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

WELLS DRAW P-34-8-16 (Proposed Well)

WELLS DRAW 44-33B-8-16 (Existing Well)

Pad Location: SESE Section 33, T8S, R16E, S.L.B.&M.



**TOP HOLE FOOTAGES**  
 P-34-8-16 (PROPOSED)  
 683' FSL & 658' FEL

**BOTTOM HOLE FOOTAGES**  
 P-34-8-16 (PROPOSED)  
 1280' FSL & 65' FWL

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

RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
P-34-8-16	596'	720'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
P-34-8-16	40° 04' 08.61"	110° 07' 02.35"
44-33B-8-16	40° 04' 08.40"	110° 07' 02.38"

SURVEYED BY: T.H.	DATE SURVEYED: 02-15-08
DRAWN BY: L.C.S.	DATE DRAWN: 03-04-08
SCALE: 1" = 50'	REVISED:

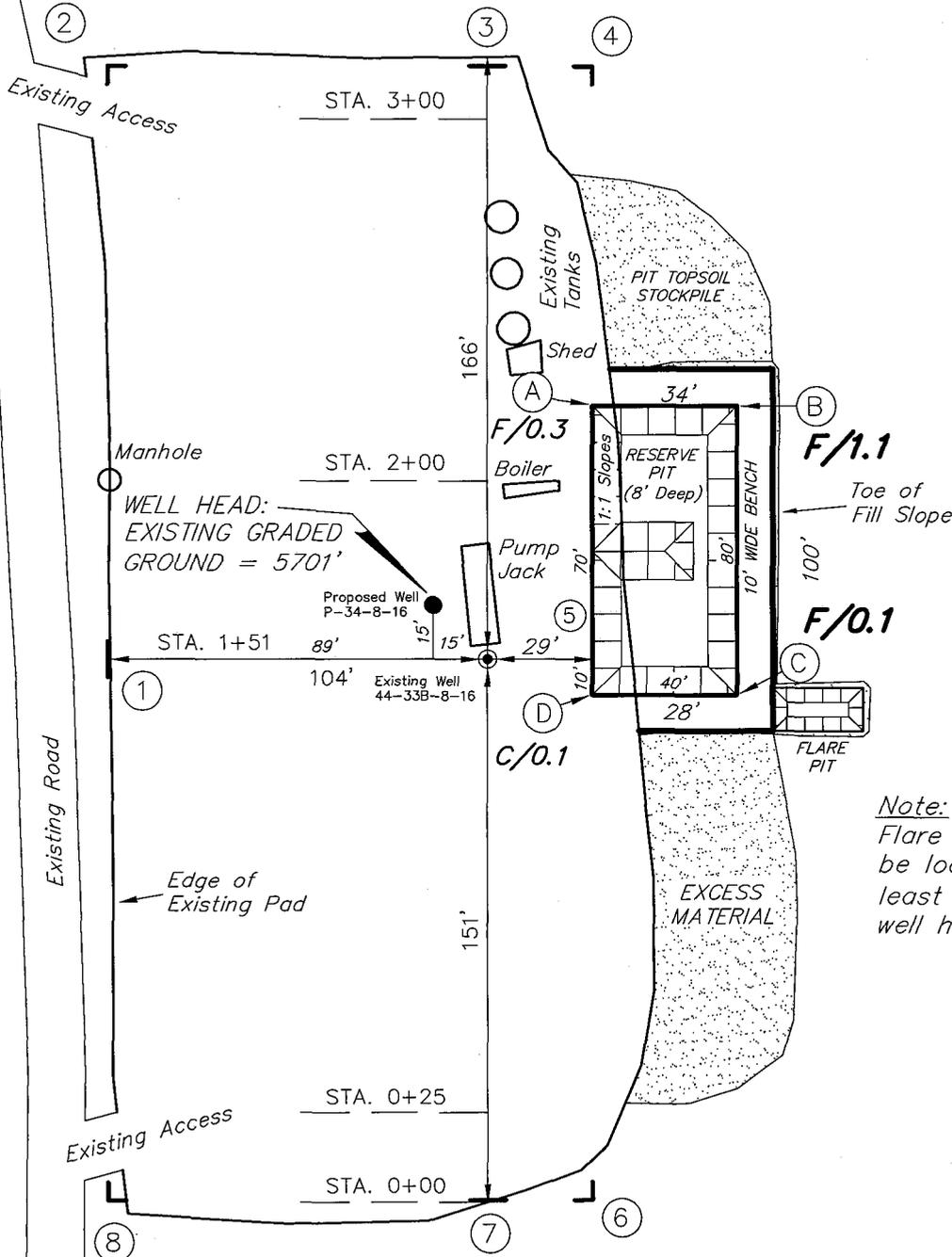
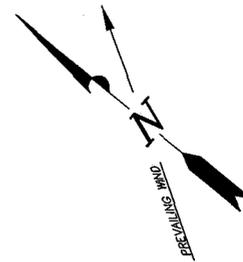
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

WELLS DRAW P-34-8-16 (Proposed Well)

WELLS DRAW 44-33B-8-16 (Existing Well)

Pad Location: SESE Section 33, T8S, R16E, S.L.B.&M.



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

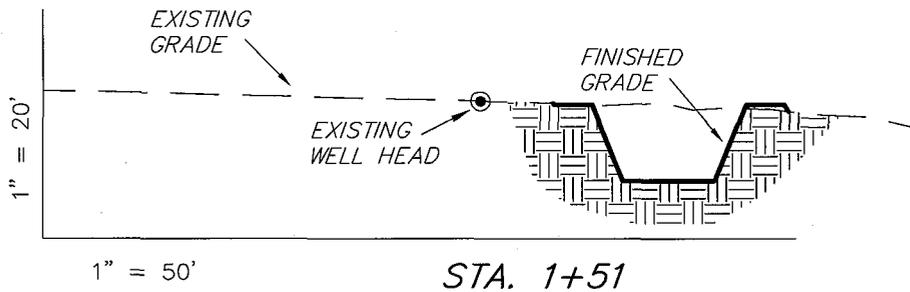
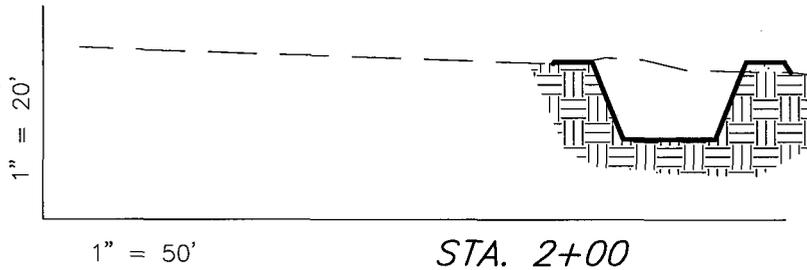
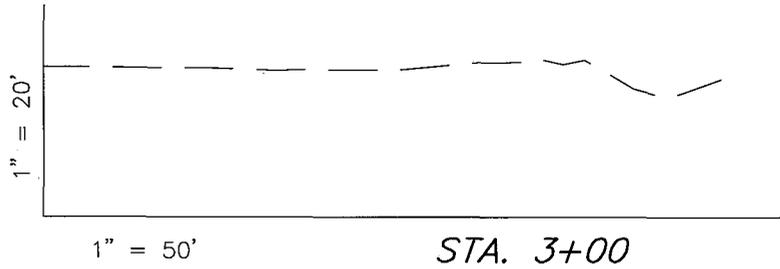
SURVEYED BY: T.H.	DATE SURVEYED: 02-15-08
DRAWN BY: L.C.S.	DATE DRAWN: 03-04-08
SCALE: 1" = 50'	REVISED:

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

# NEFIELD PRODUCTION COMPANY

## CROSS SECTIONS

**WELLS DRAW P-34-8-16 (Proposed Well)**  
**WELLS DRAW 44-33B-8-16 (Existing Well)**



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	-20	70	Topsoil is not included in Pad Cut	-90
PIT	620	0		620
TOTALS	620	70	120	550

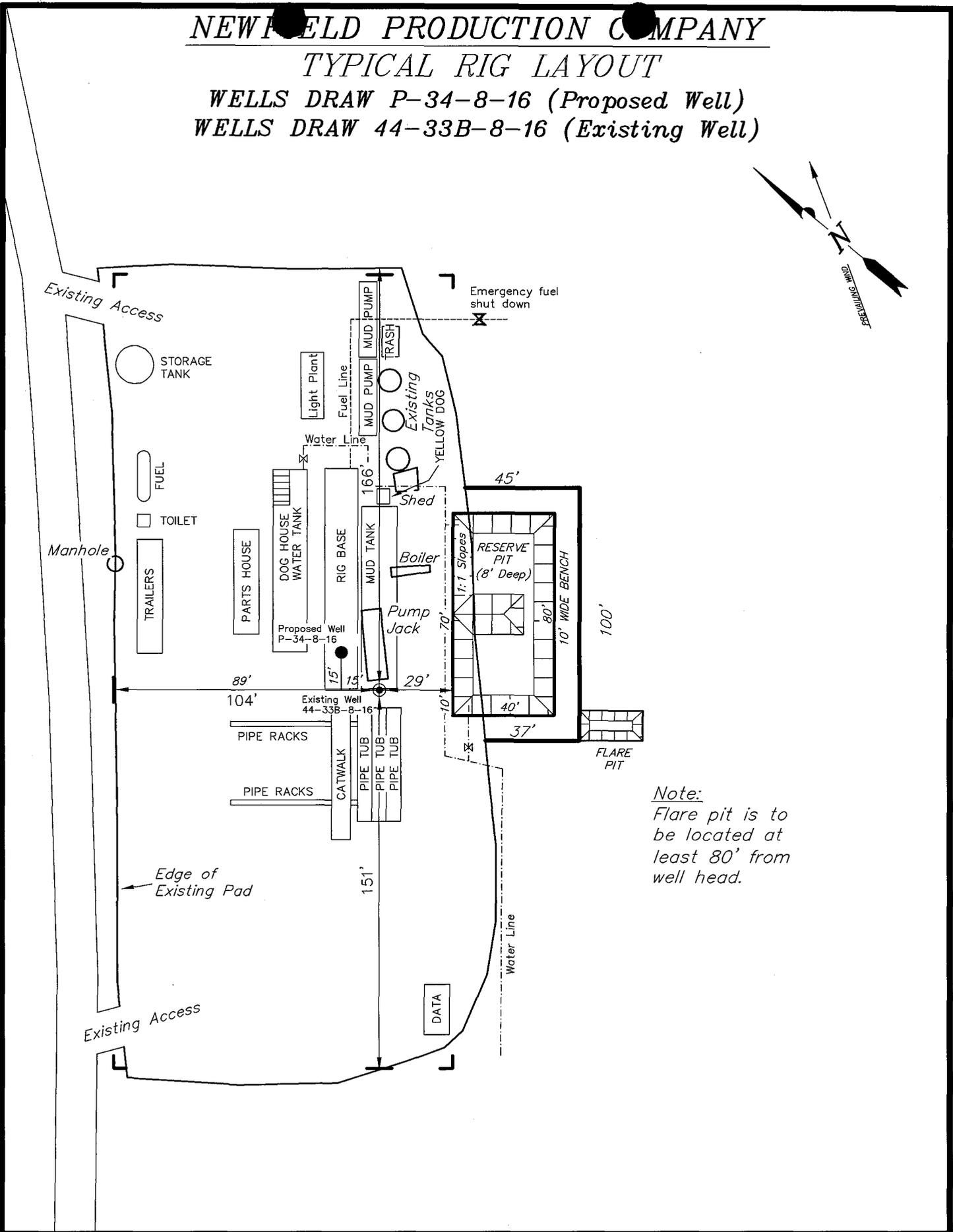
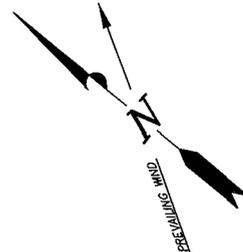
SURVEYED BY: T.H.	DATE SURVEYED: 02-15-08
DRAWN BY: L.C.S.	DATE DRAWN: 03-04-08
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

WELLS DRAW P-34-8-16 (Proposed Well)  
 WELLS DRAW 44-33B-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 02-15-08
DRAWN BY: L.C.S.	DATE DRAWN: 03-04-08
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

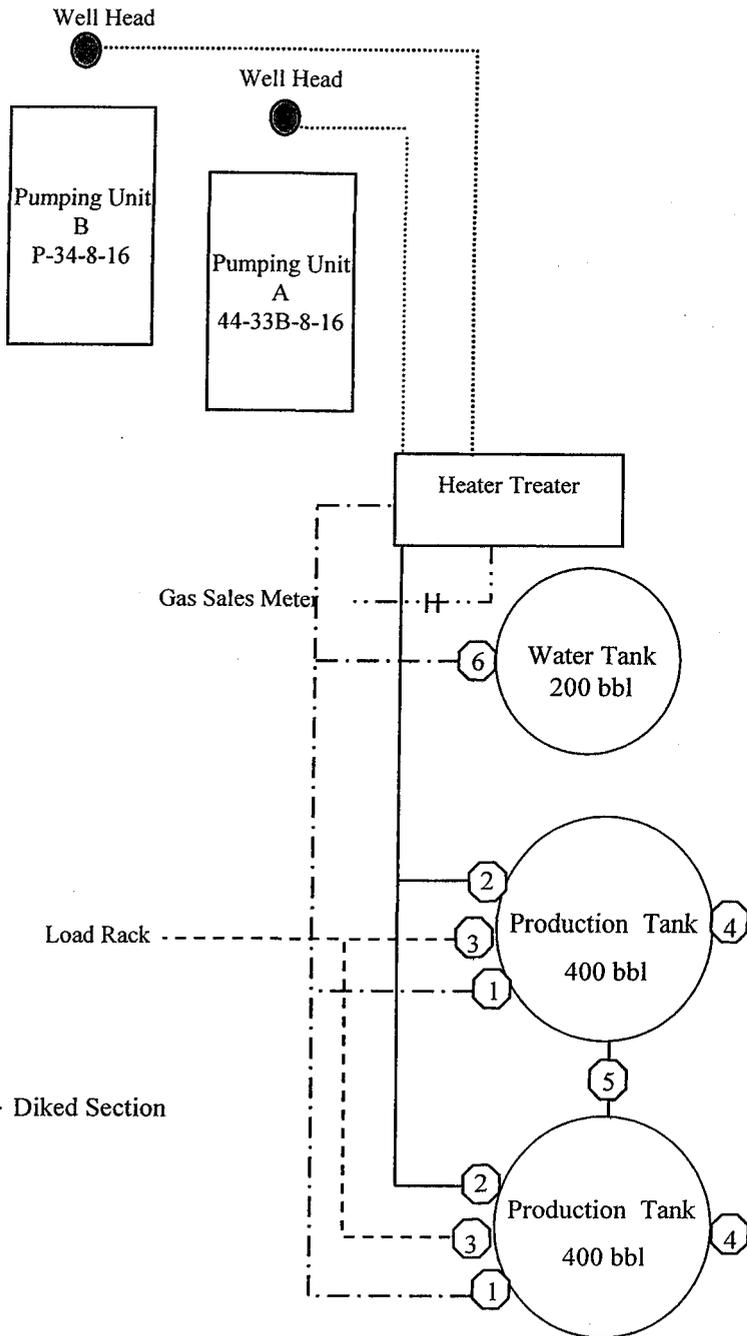
Wells Draw Federal P-34-8-16

From the 44-33B-8-16 Location

SE/SE Sec. 33 T8S, R16E

Duchesne County, Utah

UTU-47171



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

### Production Phase:

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

### Sales Phase:

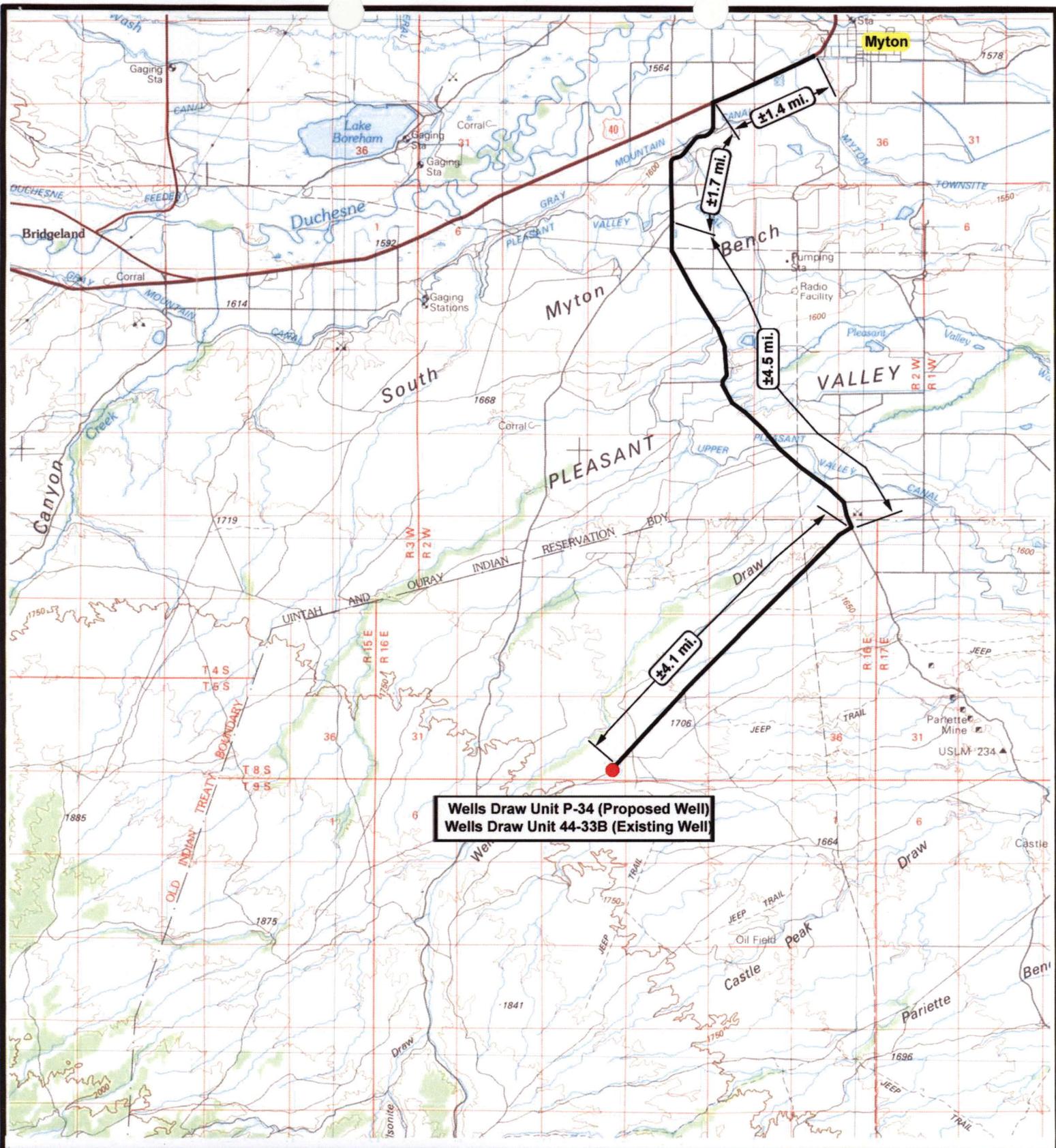
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

### Draining Phase:

- 1) Valves 1 and 6 open

### Legend

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



Wells Draw Unit P-34 (Proposed Well)  
 Wells Draw Unit 44-33B (Existing Well)

**NEWFIELD**  
 Exploration Company

**Well Draw Unit P-34-8-16 (Proposed Well)**  
**Well Draw Unit 44-33B-8-16 (Existing Well)**  
 Pad Location: SESE SEC. 33, T8S, R16E, S.L.B.&M.

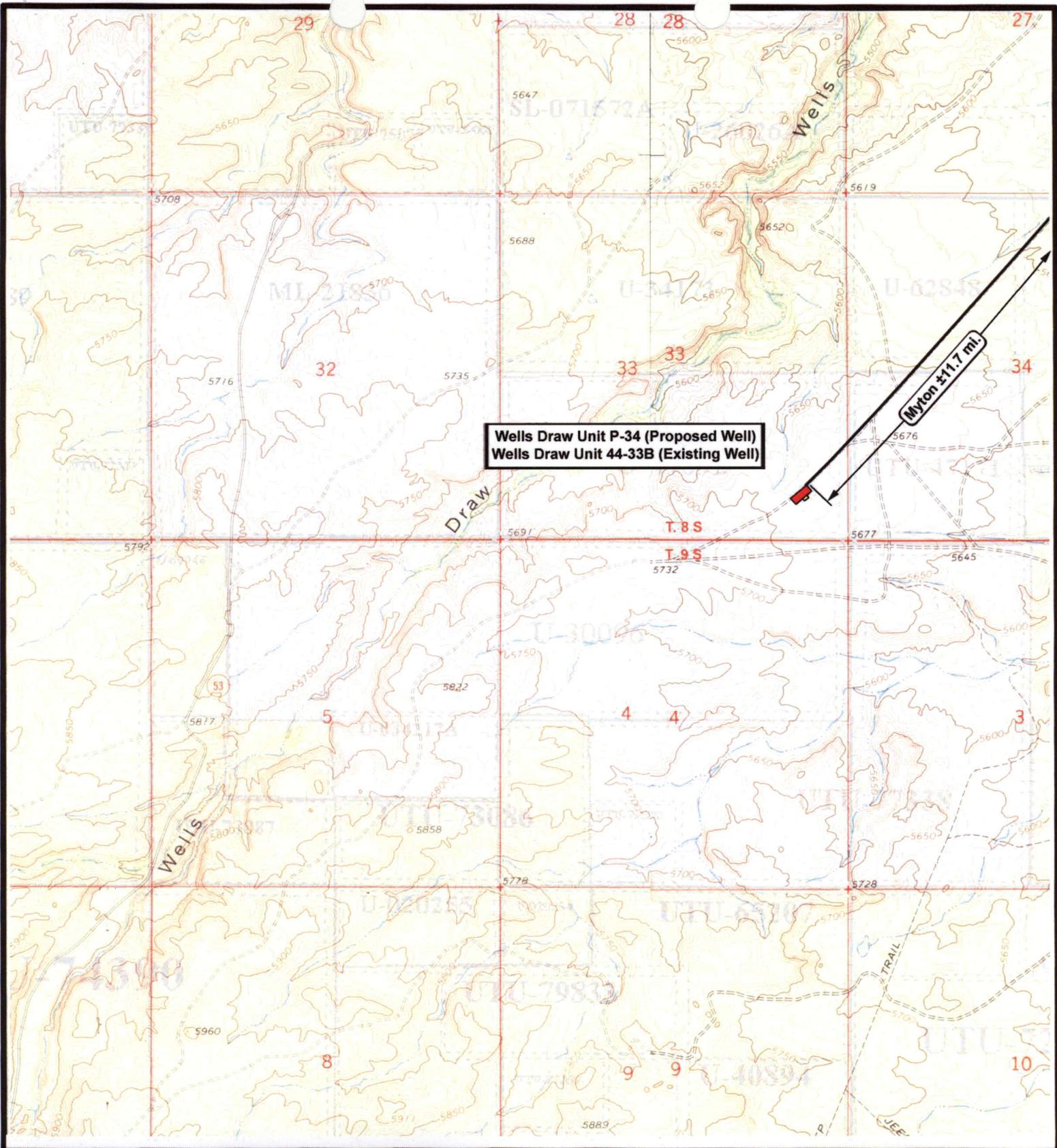
**Tri-State**  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: mw  
 DATE: 03-18-2008

**Legend**

Existing Road  
 Proposed Access

TOPOGRAPHIC MAP  
**"A"**



**NEWFIELD**  
Exploration Company

**Wells Draw Unit P-34-8-16 (Proposed Well)**  
**Wells Draw Unit 44-33B-8-16 (Existing Well)**  
Pad Location: SESE SEC. 33, T8S, R16E, S.L.B.&M.



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

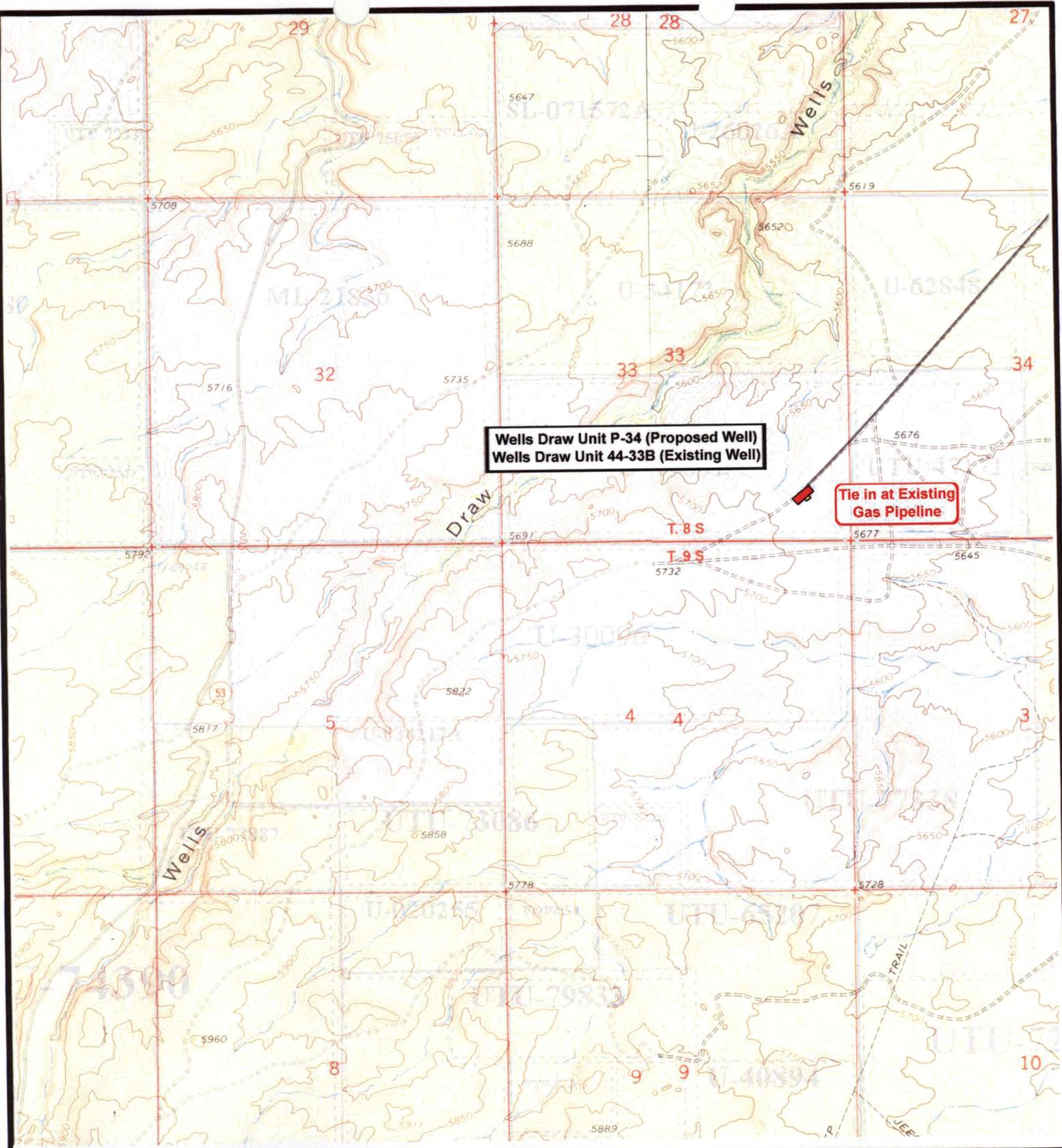
SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 03-18-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"B"**



**NEWFIELD**  
Exploration Company

**Wells Draw Unit P-34-8-16 (Proposed Well)**  
**Wells Draw Unit 44-33B-8-16 (Existing Well)**  
 Pad Location: SESE SEC. 33, T8S, R16E, S.L.B.&M.



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

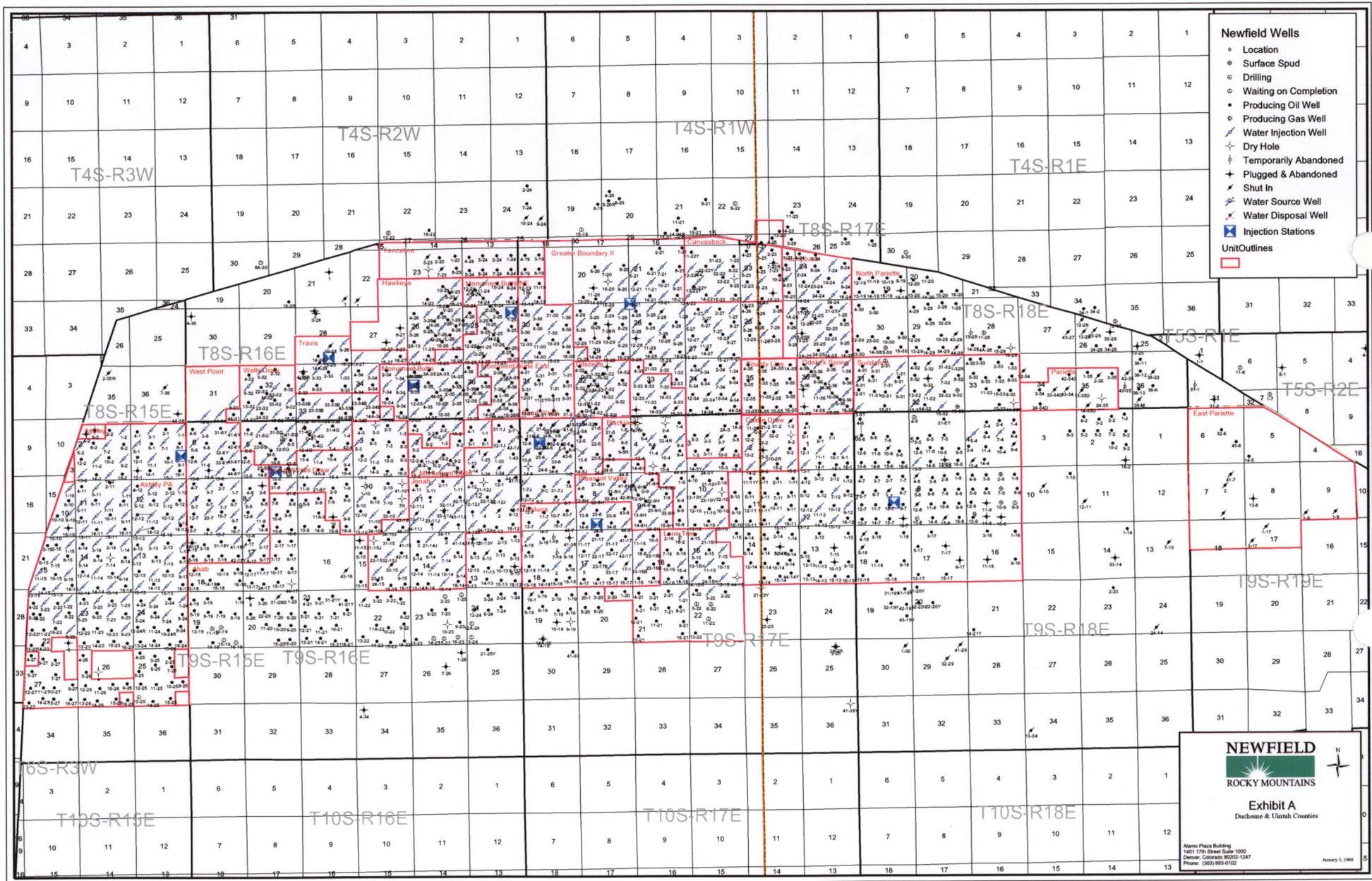
SCALE: 1" = 2000'  
 DRAWN BY: mw  
 DATE: 03-18-2008

**Legend**

— Roads

TOPOGRAPHIC MAP

**"C"**



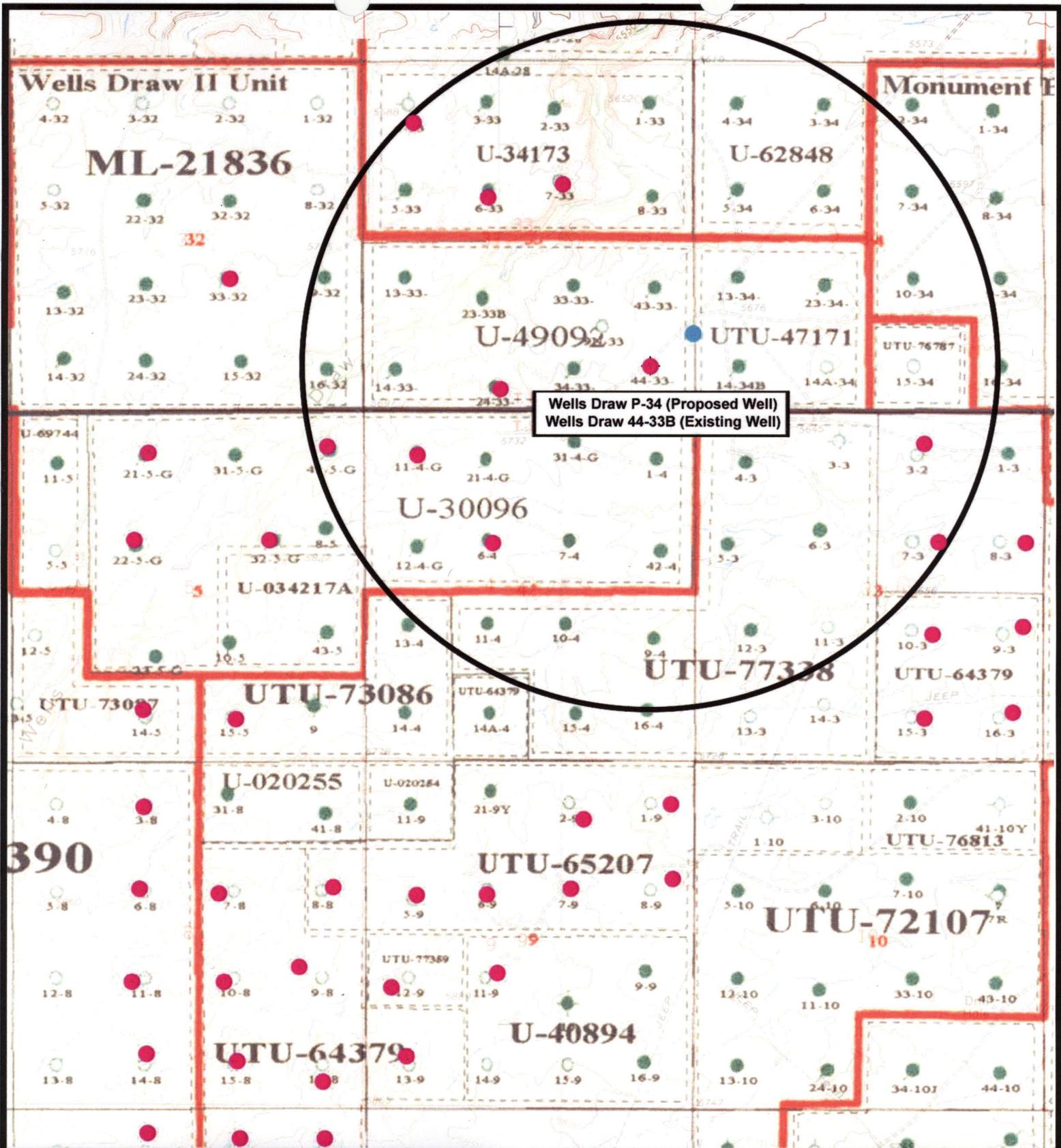
- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection Stations
  - Well Outlines

**NEWFIELD**  
 ROCKY MOUNTAINS

Exhibit A  
 Duchesne & Uintah Counties

Alamo Plaza Building  
 1401 17th Street Suite 1000  
 Denver, Colorado 80202-1247  
 Phone: (303) 953-9122

January 2, 2008



Wells Draw P-34 (Proposed Well)  
 Wells Draw 44-33B (Existing Well)



**Well Draw Unit P-34-8-16 (Proposed Well)**  
**Well Draw Unit 44-33B-8-16 (Existing Well)**  
 Pad Location: SESE SEC. 33, 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: 03-18-2008

**Legend**

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

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

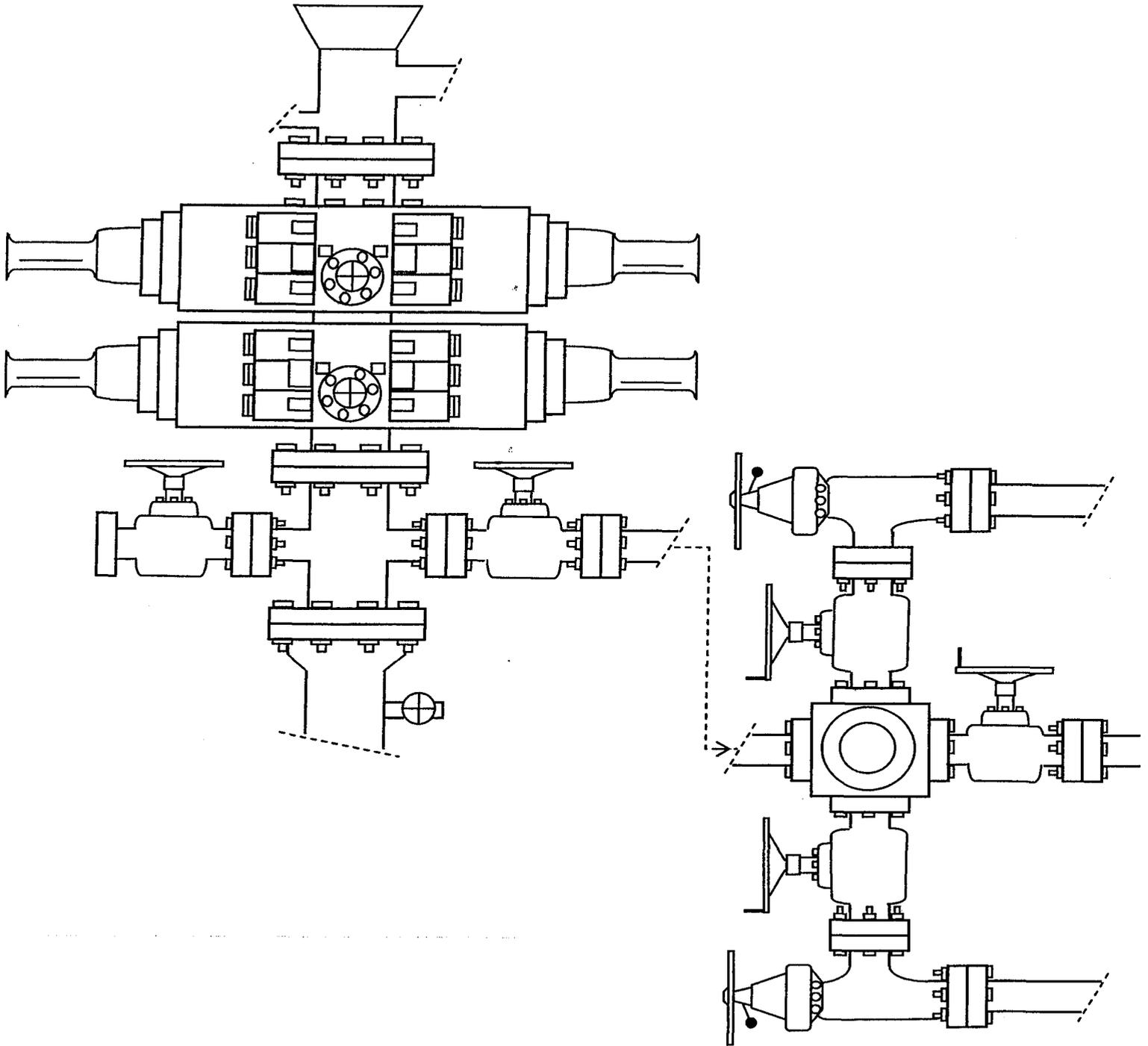


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/29/2008

API NO. ASSIGNED: 43-013-33977

WELL NAME: WELLS DRAW FED P-34-8-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

SESE 33 080S 160E  
 SURFACE: 0683 FSL 0658 FEL  
<sup>SW</sup> <sub>SW</sub> BOTTOM: 1280 FSL 0065 FWL *Sec 34*  
 COUNTY: DUCHESNE  
 LATITUDE: 40.06901 LONGITUDE: -110.1166  
 UTM SURF EASTINGS: 575335 NORTHINGS: 4435580  
 FIELD NAME: MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-47171  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

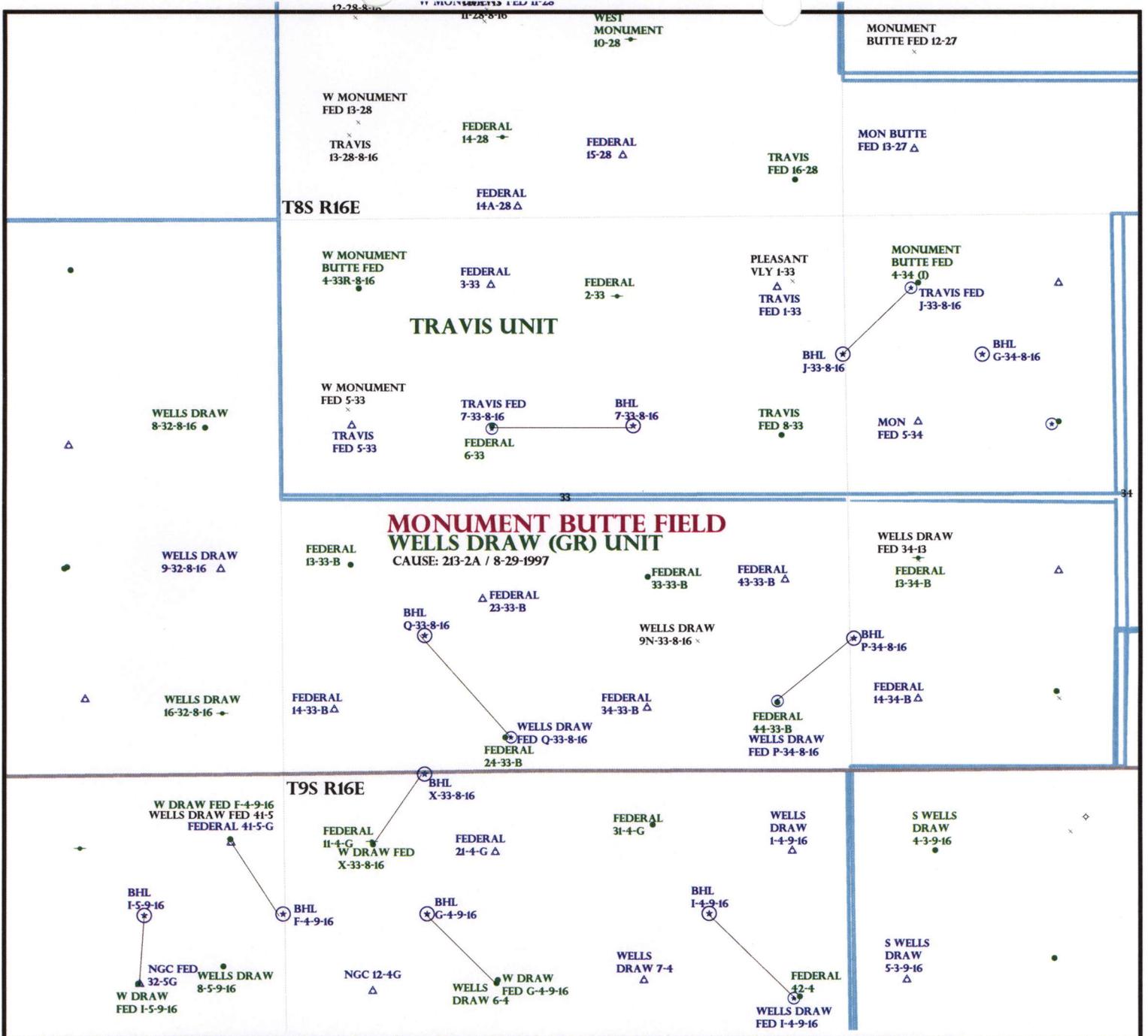
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10136 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: WELLS DRAW (GRRV)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 213-2A  
Eff Date: 8-29-1997  
Siting: Suspend General Siting
- R649-3-11. Directional Drill

COMMENTS: Sup, Separate SW

STIPULATIONS: 1 - Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 33 T.8S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 213-2A / 8-29-1997

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 02-MAY-2008

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3160  
(UT-922)

May 2, 2008

Memorandum

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

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

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

(Proposed PZ Green River)

43-013-33977	Wells Draw Fed P-34-8-16	Sec 33 T08S R16E 0683 FSL 0658 FEL BHL Sec 34 T08S R16E 1280 FSL 0065 FWL
--------------	--------------------------	--

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:5-2-08



May 1, 2008

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

RE: Directional Drilling  
**Wells Draw Federal P-34-8-16**  
Wells Draw Unit  
UTU-72613A  
Surface Hole: T8S R16E, Section 33: SESE  
683' FSL 658' FEL  
Bottom Hole: T8S R16E, Section 34  
1280' FSL 65' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated April 22, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Wells Draw Federal Unit UTU-72613A. Newfield certifies that it is the Wells Draw Unit Operator and all lands within 460 feet of the entire directional well bore are within the Wells Draw Unit.

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

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

Sincerely,

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

Roxann Eveland  
Land Associate

**RECEIVED**  
**MAY 05 2008**  
**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

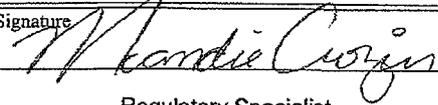
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-47171
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. Wells Draw Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Wells Draw Federal P-34-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 683' FSL 658' FEL Sec. 33, T8S R16E At proposed prod. zone 1280' FSL 65' FWL Sec. 34, T8S R16E		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 11.7 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 33, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' ft/le, 1280' ft/unit	16. No. of Acres in lease 160.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1312'	19. Proposed Depth 6445'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5701' GL	22. Approximate date work will start* 3rd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/22/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

\*(Instructions on reverse)

RECEIVED  
MAY 05 2008  
DIV. OF OIL, GAS & MINING





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil, Gas and Mining**

JOHN R. BAZA  
Division Director

May 5, 2008

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

Re: Wells Draw Federal P-34-8-16 Well, Surface Location 683' FSL, 658' FEL, SE SE,  
Sec. 33, T. 8 South, R. 16 East, Bottom Location 1280' FSL, 65' FWL, SW SW,  
Sec. 34, 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 43-013-33977.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company  
Well Name & Number Wells Draw Federal P-34-8-16  
API Number: 43-013-33977  
Lease: UTU-47171

Surface Location: SE SE      Sec. 33      T. 8 South      R. 16 East  
Bottom Location: SW SW      Sec. 34      T. 8 South      R. 16 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

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

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

#### 3. Reporting Requirements

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

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED

APR 29 2008

Form 3160-3  
(September 2001)

BLM VERNAL, UTAH

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-47171
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. Wells Draw Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Wells Draw Federal P-34-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33977
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 683' FSL 658' FEL Sec. 33, T8S R16E At proposed prod. zone 1280' FSL 65' FWL Sec. 34, T8S R16E		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 11.7 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 34, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' f/lse, 1280' f/unit	16. No. of Acres in lease 160.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1312'	19. Proposed Depth 6445'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5701' GL	22. Approximate date work will start* 3rd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 4/22/08
Title Regulatory Specialist		
Approved by (Signature) <i>John Hancock</i>	Name (Printed/Typed) John Hancock	Date FEB 10 2009
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

FEB 19 2009

DIV. OF OIL, GAS & MINING

NOS 03-21-2008

AFMSS# 08PP06 83A

U0061M

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

**Company:** Newfield Production Company  
**Well No:** Wells Draw Federal P-34-8-16  
**API No:** 43-013-33977

**Location:** SESE, Sec.34,T8S R16E  
**Lease No:** UTU-47171  
**Agreement:** Wells Draw Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

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

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

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

**NOTIFICATION REQUIREMENTS**

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

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

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

**SITE SPECIFIC CONDITIONS OF APPROVAL**

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

**Interim and Final Reclamation**

- Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and December 15. The seed shall be drilled wherever possible. If the seed is aerielly broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). *Forage Kochia shall be applied to the surface and not covered.* If initial seeding is not successful, reseeding may be required.

**Interim and Final Seed mix:**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Sandberg bluegrass	<i>Poa secunda</i>	2.0	1/4 - 1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0	1/2"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum var. Ephraim</i>	2.0	1/2"

Ladak Alfalfa	<i>Medicago sativa</i> <i>var. Ladak</i>	1.0	½"
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- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

**Final reclamation:**

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

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Logging: Run Gamma Ray from TD to surface.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

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

## OPERATING REQUIREMENT REMINDERS:

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

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-47171
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> WELLS DRAW (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> WELLS DRAW FED P-34-8-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013339770000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0683 FSL 0658 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 33 Township: 08.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

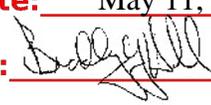
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/4/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

Newfield requests permission to extend the Permit to Drill this well for one year.

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

**Date:** May 11, 2009

**By:** 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/4/2009	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013339770000**

**API:** 43013339770000

**Well Name:** WELLS DRAW FED P-34-8-16

**Location:** 0683 FSL 0658 FEL QTR SESE SEC 33 TWP 080S RNG 160E MER S

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

**Date Original Permit Issued:** 5/5/2008

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

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

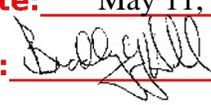
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 5/5/2009

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

**Date:** May 11, 2009

**By:** 

**RECEIVED** May 04, 2009

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-47171
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
8. WELL NAME and NUMBER: WELLS DRAW P-34-8-16
9. API NUMBER: 4301333977
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**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.

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 683' FSL 658' FEL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 33, T8S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/15/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUGBACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" 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: - Well flowing
	<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 flowing into production tanks on 7-15-09, attached is a daily completion activity report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Production Tech

SIGNATURE *Lucy Chavez-Naupoto* DATE 11/03/2009

(This space for State use only)

**RECEIVED**  
**NOV 04 2009**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**WELLS DRW P-34-8-16**

**5/1/2009 To 9/30/2009**

**6/25/2009 Day: 1**

**Completion**

Rigless on 6/25/2009 - Ran CBL & shot 1st stage. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6388' & cement top @ 0'. Perforate stage #1, CP5 sds @ 6332-37' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 3 spf for total of 15 shots. 153 BWTR. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$10,987

**7/8/2009 Day: 2**

**Completion**

Rigless on 7/8/2009 - Frac well. Flow well back @ approx. 3 bpm. Well flowed for 8.5 hrs. & turned to oil. SWIFN. 2209 BWTR. - RU BJ Services. 95 psi on well. Broke @ 2953 psi. ISIP @ 1818 psi, 1 min @ 1630 psi, 4 min @ 1538 psi. FG @ .72. Frac CP5 sds w/ 14,574#'s of 20/40 sand in 303 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2779 psi w/ ave rate of 10.9 BPM. ISIP 2022 psi, 5 min @ 1909 psi, 10 min @ 1849 psi, 15 min @ 1821 psi. FG @ .75. Leave pressure on well. 456 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 3', 5' perf guns. Set plug @ 6110'. Perforate CP1 sds @ 6047-50' & CP.5 sds @ 5996-6001' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 24 shots. RU BJ Services. 1680 psi on well. Broke @ 2214 psi. Pressure dropped below open pressure. Frac CP.5/CP1 sds w/ 40,521#'s of 20/40 sand in 438 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3242 psi w/ ave rate of 29.9 BPM. FG @ .77. Leave pressure on well. 894 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 6' perf gun. Set plug @ 5880'. Perforate LODC sds @ 5816-22' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 18 shots. RU BJ Services. 1693 psi on well. Broke @ 3698 psi. ISIP @ 1920 psi. FG @ .76. Frac LODC sds w/ 15,086#'s of 20/40 sand in 294 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2356 psi w/ ave rate of 15.8 BPM. ISIP 2540 psi. FG @ .87. Leave pressure on well. 1188 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 4', 3' perf guns. Set plug @ 5620'. Perforate A1 sds @ 5554-58' & A.5 sds @ 5514-17' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 21 shots. RU BJ Services. 1817 psi on well. Broke @ 2799 psi. ISIP @ 2034 psi, 1 min @ 1928 psi, 4 min @ 1833 psi. FG @ .80. Frac A1/A.5 sds w/ 34,511#'s of 20/40 sand in 455 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3350 psi w/ ave rate of 29.9 BPM. ISIP 2320 psi, 5 min @ 2077 psi, 10 min @ 2019 psi, 15 min @ 1994 psi. FG @ .85. Leave pressure on well. 1643 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 3- 4' perf guns. Set plug @ 5180'. Perforate D2 sds @ 5148-52' & D1 sds @ 5096-5100' & 5079-83' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 36 shots. RU BJ Services. 1953 psi on well. Broke @ 2221 psi. Pressure dropped below open pressure. Frac D1/D2 sds w/ 134,767#'s of 20/40 sand in 918 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2832 psi w/ ave rate of 41.9 BPM. ISIP 2540 psi. FG @ .93. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 8.5 hrs & turned to oil. SWIFN. 2209 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 3', 4' perf guns. Set plug @ 5270'. Perforate C sds @ 5240-43' & 5234-38' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 21 shots. RU BJ Services. 1886 psi on well. Broke @ 3239 psi. ISIP @ 2165 psi, 1 min @ 2019 psi, 4 min @ 1954 psi. FG @ .85. Frac C sds w/ 35,095#'s of 20/40 sand in 451 bbls of Lightning 17 fluid. Treated w/ ave pressure of

2875 psi w/ ave rate of 30.2 BPM. ISIP 2870 psi, 5 min @ 2389 psi, 10 min @ 2192 psi, 15 min @ 2177 psi. FG @ .98. Leave pressure on well. 2791 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 3', 5' perf guns. Set plug @ 5440'. Perforate B2 sds @ 5410-13' & 5399-5404' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 3 spf for total of 24 shots. RU BJ Services. 1952 psi on well. Broke @ 3345 psi. ISIP @ 2140 psi. FG @ .83. Frac B2 sds w/ 89,291#'s of 20/40 sand in 697 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2734 psi w/ ave rate of 30.1 BPM. ISIP 2280 psi. FG @ .86. Leave pressure on well. 2340 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$135,471

**7/13/2009 Day: 3**

**Completion**

Nabors #823 on 7/13/2009 - Set kill plug. MIRU Nabors #823. RIH w/ tbg. DU CBP. Flow well. - RU The Perforators wireline truck. Set Composite kill plug @ 5020'. RD wireline. MIRU Nabors #823. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag fill @ 5010'. RU powerswivel & pump. C/O to CBP @ 5020'. DU CBP in 80 min. Well started flowing. Circulate well. Well would not die. Gained 400 bbls water. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$172,089

**7/14/2009 Day: 4**

**Completion**

Nabors #823 on 7/14/2009 - DU CBPs. C/O to PBTD. Flow well overnight. - Csg. @ 1400 psi, tbg. @ 1500 psi. RU pump to tbg. Circulate well w/ 200 bbls 10# brine water. Cont. RIH w/ tbg. Tag CBP @ 5180'. DU CBP in 24 min. Cont. RIH w/ tbg. Tag CBP @ 5270'. DU CBP in 24 min. Cont. RIH w/ tbg. Tag CBP @ 5440'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5620'. DU CBP in 27 min. Cont. RIH w/ tbg. Tag CBP @ 5880'. DU CBP in 32 min. Cont. RIH w/ tbg. Tag CBP @ 6110'. DU CBP in 35 min. Cont. RIH w/ tbg. Tag fill @ 6360'. C/O to PBTD @ 6447'. Circulate well clean. Pull up to 6320'. Open well to tank on 16/64" choke. Turn well over to pumper @ 7:00 p.m. Flow well for 12 hrs. Pumper opened well to 25/64" choke. Recovered 638 bbls water. Well flowing @ approx. 80 to 90 bbls per hr.

**Daily Cost:** \$0

**Cumulative Cost:** \$184,909

**7/15/2009 Day: 5**

**Completion**

Nabors #823 on 7/15/2009 - Flow well. Land tbg. on BOPs. - Cont. flowing well. Flow well for 7 hrs. Recovered 1280 bbls water w/ trace of oil. RU pump to tbg. Pump 60 bbls 10# brine water down tbg. Land tbg. w/ B2 adapter flange on BOPs. RU to flow well to production tanks. Open well on 20/64" choke @ 5:00 p.m. Turn well over to pumper.

**Daily Cost:** \$0

**Cumulative Cost:** \$191,959

**Pertinent Files: Go to File List**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-47171

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
WELLS DRAW P-34-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333977

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 683' FSL 658' FEL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 33, T8S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/21/2009	<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 flowing into tanks on 7-15-09, had surface equipment set and was completed on 11-21-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE [Signature] DATE 01/11/2010

(This space for State use only)

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**JAN 13 2010**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**WELLS DRW P-34-8-16****9/1/2009 To 1/30/2010****11/19/2009 Day: 6****Completion**

NC #2 on 11/19/2009 - Circulate well bore - RU hot oiler. Circulate well w/ 80 bw. Open valve to check flow. Well started to flow. Continue to circulate well w/ 180 bw. Check flow. Well still flowing. Continue to circulate well w/ 60 bw. Check flow. Well still flowing. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$197,217

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**11/20/2009 Day: 7****Completion**

NC #2 on 11/20/2009 - TIH w/ production tbg. - Circulate well w/ 360 bbls # brine wtr. Check flow. Well standing dead. ND B-1 adapter flange. Pick up 4 jts tbg to tag fill. Tag fill @ 6440'. 7' new fill. LD 3 jts tbg. TOO H w/ tbg (tallying). Get out of hole w/ tbg. MU btm hole assembly. TIH w/ tbg detail as follows. Bullplug & collar, 3 jts 2 7/8" J-55 tbg, nipple, PBGA, 1 jt tbg, PSN, 1 jt tbg, TAC, 190 jts tbg. Get in hole w/ tbg. SDFN

**Daily Cost:** \$0**Cumulative Cost:** \$247,132

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**11/21/2009 Day: 8****Completion**

NC #2 on 11/21/2009 - Pick up rods, PWOP. - Open well. TBG 0 PSI. CSG 0 PSI. Steam off rig & equipment. RD work floor. ND BOP. Set TAC. MU wellhead bonnet. Land TBG on wellhead flange w/ 18000# tension. RU hot oiler & flush tbg w/ 60bw @ 250° due to oil in tbg. PU & prime new Central Hydraulic 2 1/2" x 1 3/4" x 21' x 24' RHAC pump. TIH w/ rod detail as follows. 4 - 1 1/2" wt bars, 244 - 7/8" guided rods. Space out rod pump w/ 2' x 7/8" pony rod. MU polish rod. Seat pump. RU pumping unit. Fill & tets tbg to 200 psi w/ 2 bw. Stroke test pump to 800 psi w/ unit. RDMOSU NC #2. PWOP @ 3:00 PM W/ 144" SL @ SPM FINAL REPORT! EST WTR 742 BBLS **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$286,399

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UT-47171

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

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
GMBU

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
WELLS DRAW P-34-8-16

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

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

9. AFI Well No.  
43-013-33977

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 683' FSL & 658' FEL (SE/SE) SEC. 33, T8S, R16E (UTU-49092)  
 At top prod. interval reported below 1254' FSL & 22' FWL (NW/SW) SEC. 34, T8S, R16E (UTU-47171)  
 At total depth 1444' FSL & 250' FWL (NW/SW) SEC. 34, T8S, R16E (UTU-47171)

per HSM  
review

10. Field and Pool or Exploratory  
MONUMENT BUTTE  
 11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 33, T8S, R16E

12. County or Parish  
DUCHESNE  
 13. State  
UT

14. Date Spudded  
06/05/2009  
 15. Date T.D. Reached  
06/20/2009  
 16. Date Completed  
07/15/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5701' GL 5713' KB

18. Total Depth: MD 6473'  
TVD 6349'  
 19. Plug Back T.D.: MD 6447'  
TVD 6323

20. Depth Bridge Plug Set:  
MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	328'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6465'		275 PRIMLITE		00'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6363'	TA @ 6190'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) See Below			See Below			
B)			5140-6337			
C)						
D)						

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

Depth Interval	Amount and Type of Material
See Below	See Below

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-15-09	7-30-09	24	→	20	0	733			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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JAN 13 2010

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4011' 4234'
				GARDEN GULCH 2 POINT 3	4352' 4623'
				X MRKR Y MRKR	4885' 4918'
				DOUGALS CREEK MRK BI CARBONATE MRK	5039' 5302'
				B LIMESTON MRK CASTLE PEAK	5430' 5967'
				BASAL CARBONATE	6406'

32. Additional remarks (include plugging procedure):

\*\* Well flowing into tanks 7-15-09 - surface equipment set on 11-21-09.

- Stage 1: Green River Formation (CP5) 6332-37', .49" 3/15 Frac w/ 14574#'s of 20/40 sand in 119 bbls of Lightning 17 fluid
- Stage 2: Green River Formation (CP.5 & CP1) 5996-6001', 6047-50', .49" 3/24 Frac w/ 40521#'s of 20/40 sand in 259 bbls of Lightning 17 fluid
- Stage 3: Green River Formation (LODC) 5816-22' .49" 3/18 Frac w/ 15086#'s of 20/40 sand in 120 bbls of Lightning 17 fluid
- Stage 4: Green River Formation (A1 & A.5) 5554-58', 5514-17', .49" 3/21 Frac w/ 34511#'s of 20/40 sand in 288 bbls of Lightning 17 fluid
- Stage 5: Green River Formation (B2) 5399-5404', 5410-13', .49" 3/24 Frac w/ 892917#'s of 20/40 sand in 537 bbls of Lightning 17 fluid
- Stage 6: Green River Formation (C) 5240-43', 5234-38', .49" 3/21 Frac w/ 35095#'s of 20/40 sand in 292 bbls of Lightning 17 fluid
- Stage 7: Green River Formation (D1 & D2) 5079-5100', 5148-52', .49" 3/24 Frac w/ 134767#'s of 20/40 sand in 764 bbls of Lightning 17 fluid

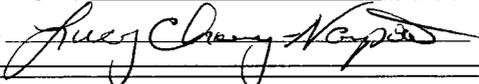
33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature 

Date 01/11/2010

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

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 33**

**P-34-8-16**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**07 July, 2009**

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



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 33  
**Well:** P-34-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well P-34-8-16  
**TVD Reference:** P-34-8-16 @ 5713.0ft (RIG #1)  
**MD Reference:** P-34-8-16 @ 5713.0ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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

<b>Site</b>	SECTION 33, SEC 33 T8S, R16E		
<b>Site Position:</b>		<b>Northing:</b>	7,196,856.41 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,024,279.31 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 4' 8.951 N
		<b>Longitude:</b>	110° 7' 41.858 W
		<b>Grid Convergence:</b>	0.88 °

<b>Well</b>	P-34-8-16, SHL LAT: 40 04 08.61, LONG: -110 07 02.35 SEC 33		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b> 7,196,869.19 ft
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b> 2,027,350.75 ft
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b> ft
			<b>Latitude:</b> 40° 4' 8.610 N
			<b>Longitude:</b> 110° 7' 2.350 W
			<b>Ground Level:</b> 0.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009/06/02	11.59	65.86	52,504

<b>Design</b>	Wellbore #1			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>		<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>
		0.0	0.0	0.0
				<b>Direction (°)</b>
				50.39

<b>Survey Program</b>	Date 2009/07/07	
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>
364.0	6,473.0	Survey #1 (Wellbore #1)
		<b>Tool Name</b>
		MWD
		<b>Description</b>
		MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>P-34-8-16 SECTION LINE</b>										
364.0	0.22	28.78	364.0	0.6	0.3	0.6	0.06	0.06	0.00	
424.0	0.46	32.72	424.0	0.9	0.5	1.0	0.40	0.40	6.57	
455.0	0.24	59.66	455.0	1.1	0.6	1.2	0.87	-0.71	86.90	
486.0	0.77	71.13	486.0	1.2	0.9	1.4	1.73	1.71	37.00	
518.0	1.54	63.52	518.0	1.4	1.5	2.0	2.45	2.41	-23.78	
547.0	2.11	59.88	547.0	1.9	2.3	3.0	2.00	1.97	-12.55	
578.0	2.24	56.25	578.0	2.5	3.3	4.1	0.61	0.42	-11.71	
608.0	2.61	54.95	607.9	3.2	4.3	5.4	1.25	1.23	-4.33	
638.0	3.10	56.98	637.9	4.0	5.6	6.9	1.67	1.63	6.77	
669.0	3.08	50.74	668.8	5.0	6.9	8.5	1.09	-0.06	-20.13	
700.0	3.36	50.34	699.8	6.1	8.3	10.3	0.91	0.90	-1.29	



# HATHAWAY BURNHAM

## Survey Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 33  
 Well: P-34-8-16  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well P-34-8-16  
 TVD Reference: P-34-8-16 @ 5713.0ft (RIG #1)  
 MD Reference: P-34-8-16 @ 5713.0ft (RIG #1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

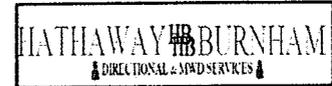
### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
730.0	3.91	49.11	729.7	7.4	9.7	12.2	1.85	1.83	-4.10
761.0	4.35	45.99	760.7	8.9	11.4	14.4	1.59	1.42	-10.06
791.0	4.55	49.55	790.6	10.4	13.1	16.7	1.14	0.67	11.87
822.0	4.95	49.81	821.5	12.1	15.0	19.3	1.29	1.29	0.84
853.0	5.36	50.14	852.3	13.9	17.2	22.1	1.33	1.32	1.06
883.0	6.11	48.21	882.2	15.8	19.4	25.1	2.58	2.50	-6.43
914.0	6.66	47.92	913.0	18.1	22.0	28.5	1.78	1.77	-0.94
945.0	6.92	49.92	943.8	20.5	24.8	32.2	1.13	0.84	6.45
977.0	7.25	50.27	975.5	23.1	27.8	36.1	1.04	1.03	1.09
1,008.0	7.82	49.11	1,006.3	25.7	30.9	40.2	1.90	1.84	-3.74
1,040.0	8.39	49.94	1,037.9	28.6	34.3	44.7	1.82	1.78	2.59
1,071.0	8.81	51.64	1,068.6	31.6	37.9	49.3	1.58	1.35	5.48
1,102.0	8.98	52.36	1,099.2	34.5	41.7	54.1	0.66	0.55	2.32
1,133.0	9.29	51.86	1,129.8	37.5	45.6	59.1	1.03	1.00	-1.61
1,165.0	9.58	50.56	1,161.4	40.8	49.7	64.3	1.12	0.91	-4.06
1,196.0	9.89	50.34	1,191.9	44.2	53.7	69.5	1.01	1.00	-0.71
1,227.0	10.33	51.55	1,222.5	47.6	57.9	75.0	1.58	1.42	3.90
1,259.0	10.57	51.31	1,253.9	51.2	62.5	80.8	0.76	0.75	-0.75
1,290.0	11.08	48.75	1,284.4	55.0	66.9	86.6	2.26	1.65	-8.26
1,321.0	11.32	45.57	1,314.8	59.0	71.4	92.6	2.14	0.77	-10.26
1,352.0	11.47	44.60	1,345.2	63.4	75.7	98.7	0.79	0.48	-3.13
1,384.0	11.54	44.36	1,376.5	67.9	80.2	105.1	0.27	0.22	-0.75
1,477.0	11.54	45.00	1,467.7	81.2	93.2	123.6	0.14	0.00	0.69
1,571.0	11.93	48.58	1,559.7	94.2	107.2	142.6	0.88	0.41	3.81
1,665.0	12.54	50.22	1,651.6	107.2	122.3	162.6	0.75	0.65	1.74
1,758.0	12.24	49.79	1,742.4	120.0	137.6	182.5	0.34	-0.32	-0.46
1,851.0	12.24	50.03	1,833.3	132.7	152.7	202.2	0.05	0.00	0.26
1,945.0	11.91	51.53	1,925.2	145.1	167.9	221.9	0.48	-0.35	1.60
2,039.0	12.41	49.97	2,017.1	157.7	183.2	241.7	0.64	0.53	-1.66
2,133.0	11.25	51.06	2,109.1	169.9	198.1	261.0	1.26	-1.23	1.16
2,227.0	11.56	55.17	2,201.2	181.1	213.0	279.5	0.93	0.33	4.37
2,320.0	12.22	48.32	2,292.2	192.9	228.0	298.6	1.67	0.71	-7.37
2,414.0	12.02	49.81	2,384.2	205.9	242.9	318.4	0.39	-0.21	1.59
2,508.0	12.72	51.57	2,476.0	218.6	258.5	338.5	0.85	0.74	1.87
2,601.0	13.68	51.70	2,566.5	231.8	275.1	359.7	1.03	1.03	0.14
2,695.0	13.36	48.05	2,657.9	246.0	291.9	381.7	0.97	-0.34	-3.88
2,789.0	13.32	47.83	2,749.4	260.5	308.0	403.4	0.07	-0.04	-0.23
2,882.0	12.96	49.50	2,839.9	274.5	323.9	424.5	0.56	-0.39	1.80
2,976.0	13.91	52.45	2,931.4	288.2	340.9	446.3	1.25	1.01	3.14
3,070.0	13.73	50.10	3,022.6	302.2	358.4	468.8	0.63	-0.19	-2.50
3,164.0	14.84	49.93	3,113.7	317.1	376.1	492.0	1.18	1.18	-0.18
3,258.0	13.80	49.04	3,204.8	332.2	393.8	515.2	1.13	-1.11	-0.95
3,352.0	13.54	47.24	3,296.2	347.0	410.4	537.4	0.53	-0.28	-1.91
3,445.0	12.23	49.99	3,386.8	360.8	425.9	558.1	1.55	-1.41	2.96
3,539.0	12.28	49.55	3,478.7	373.7	441.1	578.1	0.11	0.05	-0.47
3,633.0	11.93	49.90	3,570.6	386.4	456.2	597.8	0.38	-0.37	0.37
3,727.0	12.83	51.22	3,662.4	399.2	471.7	617.9	1.00	0.96	1.40
3,820.0	11.93	50.38	3,753.2	411.8	487.2	637.9	0.99	-0.97	-0.90
3,914.0	11.80	50.98	3,845.2	424.0	502.2	657.2	0.19	-0.14	0.64
4,007.0	12.08	50.58	3,936.2	436.2	517.1	676.5	0.31	0.30	-0.43
4,101.0	11.85	50.31	4,028.2	448.6	532.1	695.9	0.25	-0.24	-0.29
4,195.0	12.85	48.54	4,120.0	461.7	547.3	716.0	1.14	1.06	-1.88
4,288.0	12.19	52.10	4,210.8	474.6	562.8	736.2	1.09	-0.71	3.83
4,382.0	12.06	51.26	4,302.7	486.8	578.3	755.9	0.23	-0.14	-0.89



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 33  
**Well:** P-34-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well P-34-8-16  
**TVD Reference:** P-34-8-16 @ 5713.0ft (RIG #1)  
**MD Reference:** P-34-8-16 @ 5713.0ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,476.0	11.98	50.78	4,394.6	499.1	593.5	775.5	0.14	-0.09	-0.51
4,570.0	11.32	49.55	4,486.7	511.3	608.1	794.5	0.75	-0.70	-1.31
4,664.0	10.79	48.54	4,578.9	523.1	621.7	812.5	0.60	-0.56	-1.07
4,758.0	11.67	48.52	4,671.1	535.2	635.5	830.8	0.94	0.94	-0.02
4,852.0	12.08	48.30	4,763.1	548.1	649.9	850.1	0.44	0.44	-0.23
4,946.0	11.73	53.97	4,855.1	560.2	665.0	869.5	1.30	-0.37	6.03
5,039.0	11.84	53.88	4,946.1	571.4	680.3	888.5	0.12	0.12	-0.10
5,133.0	12.44	48.71	5,038.0	583.8	695.7	908.2	1.32	0.64	-5.50
5,227.0	12.33	49.26	5,129.9	597.0	711.0	928.4	0.17	-0.12	0.59
5,296.9	12.93	49.98	5,198.1	606.9	722.6	943.6	0.89	0.86	1.03
<b>P-34-8-16 TGT</b>									
5,321.0	13.14	50.21	5,221.5	610.4	726.8	949.1	0.89	0.86	0.96
5,414.0	12.37	49.94	5,312.2	623.6	742.5	969.6	0.83	-0.83	-0.29
5,508.0	12.04	52.10	5,404.1	636.1	758.0	989.5	0.60	-0.35	2.30
5,602.0	12.39	52.45	5,496.0	648.2	773.7	1,009.4	0.38	0.37	0.37
5,696.0	10.37	57.24	5,588.1	659.0	788.8	1,027.8	2.37	-2.15	5.10
5,790.0	13.01	54.40	5,680.2	669.7	804.5	1,046.8	2.87	2.81	-3.02
5,883.0	12.96	53.53	5,770.8	682.0	821.4	1,067.6	0.22	-0.05	-0.94
5,977.0	11.78	50.36	5,862.6	694.4	837.3	1,087.8	1.45	-1.26	-3.37
6,072.0	13.16	48.10	5,955.4	707.8	852.8	1,108.3	1.54	1.45	-2.38
6,165.0	11.89	47.75	6,046.2	721.3	867.8	1,128.4	1.37	-1.37	-0.38
6,259.0	10.85	45.88	6,138.3	734.0	881.3	1,146.9	1.17	-1.11	-1.99
6,353.0	10.70	45.29	6,230.7	746.3	893.9	1,164.4	0.20	-0.16	-0.63
6,473.0	8.64	43.02	6,349.0	-760.7	-907.9	1,184.5	1.75	-1.72	-1.89

### Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
P-34-8-16 TGT	0.00	0.00	5,200.0	596.2	720.4	7,197,476.39	2,028,061.80	40° 4' 14.501 N	110° 6' 53.083 W
- actual wellpath misses by 11.1ft at 5296.9ft MD (5198.1 TVD, 606.9 N, 722.6 E)									
- Circle (radius 75.0)									
P-34-8-16 SECTION I	0.00	0.00	-2,000.0	0.0	0.0	7,196,869.19	2,027,350.75	40° 4' 8.610 N	110° 7' 2.350 W
- actual wellpath misses by 2000.0ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			-2,000.0	797.0	658.0	7,197,676.19	2,027,996.29		
Point 2			-2,000.0	397.0	658.0	7,197,276.28	2,028,002.48		

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

# NEWFIELD



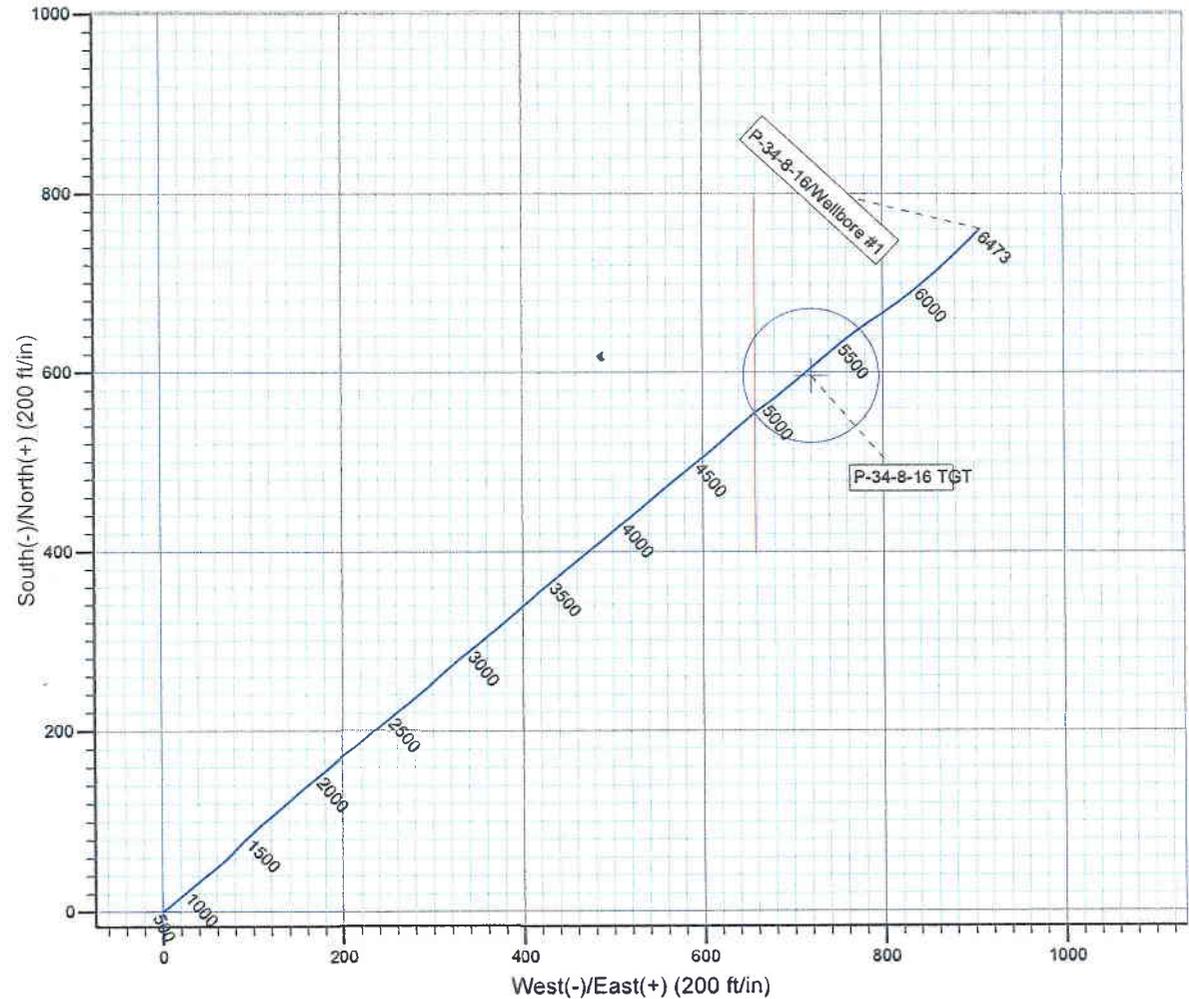
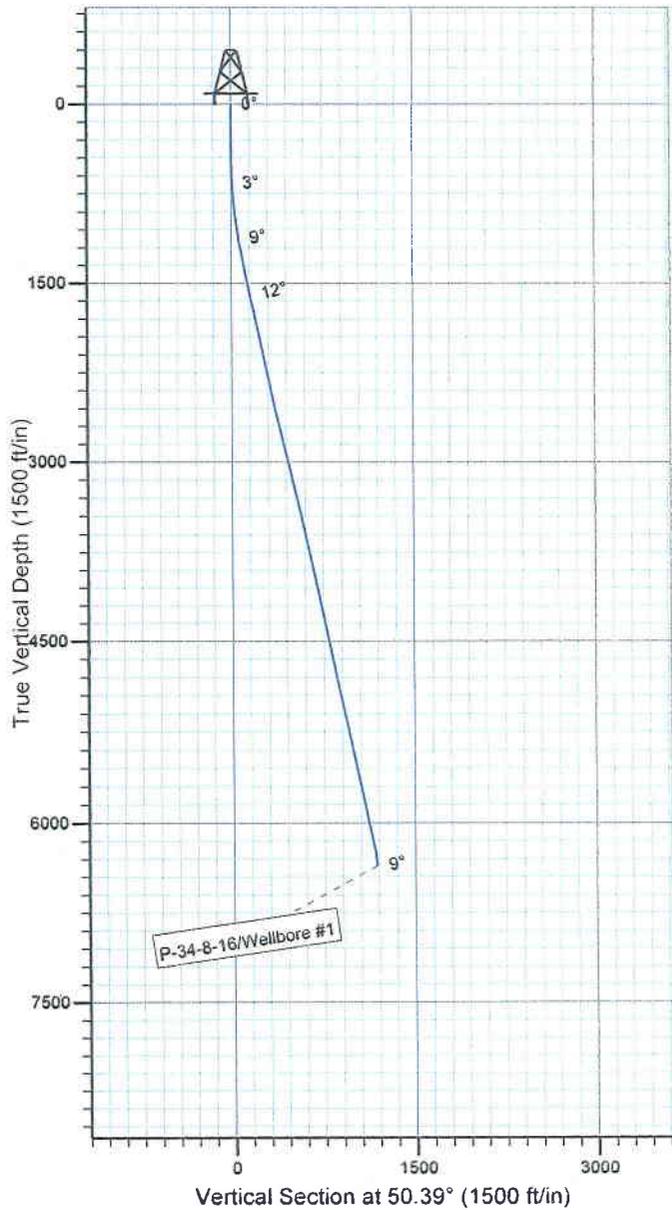
Project: USGS Myton SW (UT)  
 Site: SECTION 33  
 Well: P-34-8-16  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.58°

Magnetic Field  
 Strength: 52504.4snT  
 Dip Angle: 65.86°  
 Date: 2009/06/02  
 Model: IGRF200510



Design: Wellbore #1 (P-34-8-16/Wellbore #1)

Created By: *Jim Hudson* Date: 9:13, July 07 2009  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.