

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

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

5a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. Fenceline
5b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Fenceline Federal F-24-8-16
2. Name of Operator Newfield Production Company		9. API Well No. 43-013-34140
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	10. Field and Pool, or Exploratory Monument Butte
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1781' FNL 537' FEL Sec. 23, T8S R16E At proposed prod. zone 1280' FNL 65' FWL Sec. 24, T8S R16E NWNW		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 23, T8S R16E
14. Distance in miles and direction from nearest town or post office* Approximately 8.7 miles southwest of Myton, UT		12. County or Parish Duchesne
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 65' f/lse, 1360' f/unit (Also to nearest drig. unit line, if any)		13. State UT
16. No. of acres in lease 675.165		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. 1107'		20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5393' GL		23. Estimated duration (7) days from SPUD to rig release
22. Approximate date work will start* 1 <sup>st</sup> Qtr. 2009		

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 11-24-08
Title Office	ENVIRONMENTAL MANAGER	

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

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

(Continued on page 2)

\*(Instructions on page 2)

Surf

578553X  
4439694Y  
40.105772  
-110.078348

BHL  
578734X  
4439848Y  
40.107147  
-110.076206

Federal Approval of this  
Action is Necessary

RECEIVED

NOV 19 2008

DIV. OF OIL, GAS & MINING



# NEWFIELD



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

November 14, 2008

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

RE: Applications for Permit to Drill

**Fenceline Federal F-24-8-16**

**Fenceline Federal G-24-8-16**

**Jonah Federal O-12-9-16**

**Sundance Federal F-33-8-18**

**Sundance Federal K-10-9-17**

**Sundance Federal P-11-9-17**

**Sundance Federal Q-11-9-17**

**Lone Tree Federal P-15-9-17**

Dear Diana:

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

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
NOV 19 2008  
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY  
FENCELINE FEDERAL F-24-8-16  
AT SURFACE: SE/NE SECTION 23, 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' – 1905'
Green River	1905'
Wasatch	6715'

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

Green River Formation 1905' – 6715' - 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  
FENCELINE FEDERAL F-24-8-16  
AT SURFACE: SE/NE SECTION 23, 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 Fenceline Federal F-24-8-16 located in the SE 1/4 NE 1/4 Section 23, 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 dirt road to the southwest; proceed southwesterly - 0.3 miles  $\pm$  to it's junction with an existing dirt road to the northwest; proceed in a northwesterly direction - 0.5 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 0.3 miles  $\pm$  to the existing Mon. Butte Federal 8-23-8-16 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 Mon. Butte Federal 8-23-8-16 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

The proposed well will be drilled directionally off of the Mon. Butte Federal 8-23-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Fenceline Federal F-24-8-16. All permanent surface equipment will be painted Carlsbad Canyon.

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

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

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

Johnson Water District  
Water Right : 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Fenceline Federal F-24-8-16 will be drilled off of the existing Mon. Butte Federal 8-23-8-16 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), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

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

None for the proposed Fenceline Federal F-24-8-16.

**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)

Squirrel 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

**Details of the On-Site Inspection**

The proposed Fenceline Federal F-24-8-16 was on-sited on 9/24/08. The following were present; Kevan Stevens (Newfield Production ), Brandon McDonald (Bureau of Land Management), Dave Gordon (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #F-24-8-16 SE/NE Section 23, Township 8S, Range 16E: Lease UTU-74868 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

\_\_\_\_\_  
11/14/08  
Date

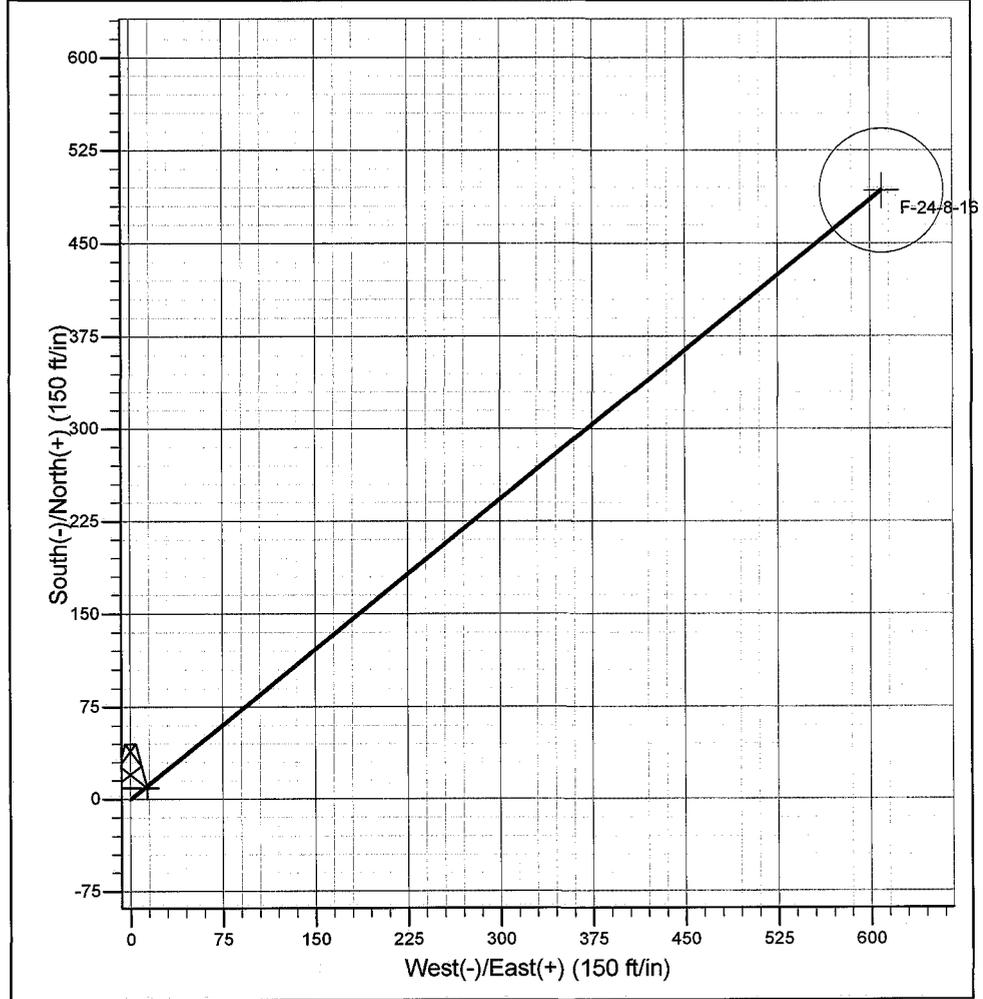
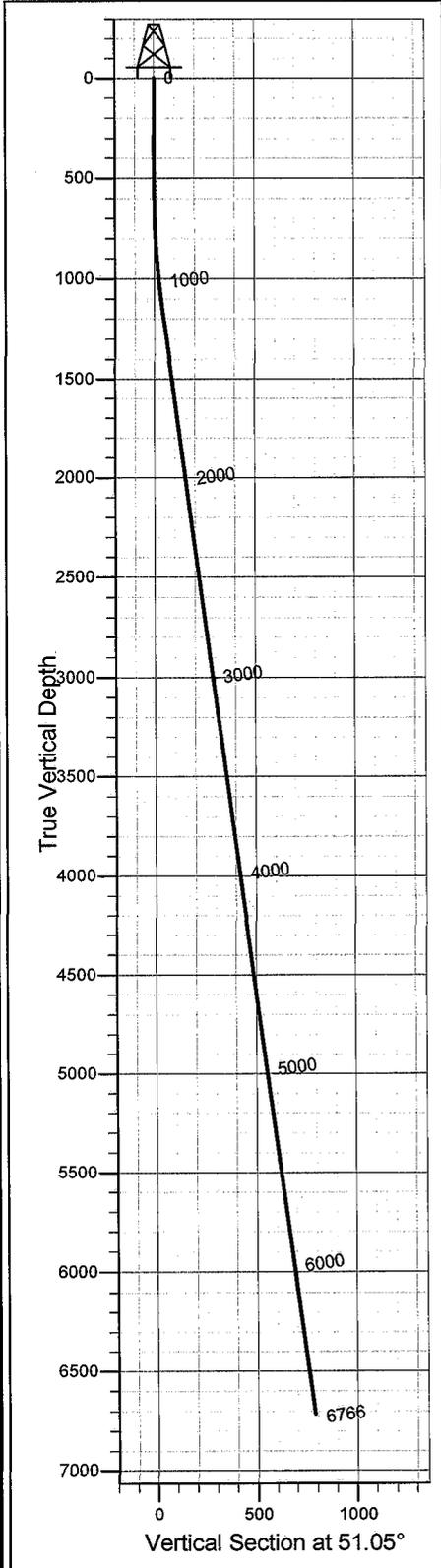
  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD



# Newfield Production Company

**Project: Monument Butte**  
**Site: Fenceline F-24-8-16**  
**Well: Fenceline F-24-8-16**  
**Wellbore: Wellbore #1**  
**Design: Design #1**



SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0		
3	1107.8	7.62	51.05	1106.3	21.2	26.2	1.50	51.05	33.7		
4	6766.4	7.62	51.05	6715.0	492.7	609.5	0.00	0.00	783.7	F-24-8-16	

**PROJECT DETAILS: Monument Butte**  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone  
 System Datum: Mean Sea Level

**Azimuths to True North**  
**Magnetic North: 10.04°**  
  
**Magnetic Field**  
 Strength: 46144.8snT  
 Dip Angle: 55.94°  
 Date: 10/28/2008  
 Model: IGRF200510

**Created by: Hans Wychgram**  
**Date: 11-04-2008**



# Newfield Exploration

## Planning Report

**Database:** EDM 2003.21 Single User Db  
**Company:** Newfield Production Company  
**Project:** Monument Butte  
**Site:** Fenceline F-24-8-16  
**Well:** Fenceline F-24-8-16  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well Fenceline F-24-8-16  
**TVD Reference:** RKB @ 5405.0ft  
**MD Reference:** RKB @ 5405.0ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Monument Butte		
<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>	Fenceline F-24-8-16				
<b>Site Position:</b>		<b>Northing:</b>	975,721.94 m	<b>Latitude:</b>	29° 9' 0.626 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	621,159.63 m	<b>Longitude:</b>	110° 16' 30.279 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.78 °

<b>Well</b>	Fenceline F-24-8-16					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	975,721.94 m	<b>Latitude:</b>	29° 9' 0.626 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	621,159.63 m	<b>Longitude:</b>	110° 16' 30.279 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,393.0 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	10/28/2008	10.04	55.94	46,145

<b>Design</b>	Design #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	51.05	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,107.8	7.62	51.05	1,106.3	21.2	26.2	1.50	1.50	0.00	51.05	
6,766.4	7.62	51.05	6,715.0	492.7	609.5	0.00	0.00	0.00	0.00	F-24-8-16

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,107.8	7.62	51.05	1,106.3	21.2	26.2	33.7	1.50	1.50	0.00	0.00
6,766.4	7.62	51.05	6,715.0	492.7	609.5	783.7	0.00	0.00	0.00	0.00

**Database:** EDM 2003.21 Single User Db  
**Company:** Newfield Production Company  
**Project:** Monument Butte  
**Site:** Fenceline F-24-8-16  
**Well:** Fenceline F-24-8-16  
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**Local Co-ordinate Reference:** Well Fenceline F-24-8-16  
**TVD Reference:** RKB @ 5405.0ft  
**MD Reference:** RKB @ 5405.0ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Casing Points**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
300.0	300.0	8 5/8"	8.625	12.250

**Formations**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,531.7	4,500.0	Green River		0.00	
6,045.1	6,000.0	Wasatch		0.00	

**Plan Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	Start Build 1.50
1,279.5	1,276.5	35.5	43.9	Start 4088.6 hold at 1279.5 MD
5,368.1	5,329.0	376.2	465.3	Start 1437.7 hold at 5368.1 MD
6,805.8				TD at 6805.8

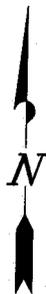
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

FENCELINE F-24-8-16 (Proposed Well)

FENCELINE 8-23-8-16 (Existing Well)

Pad Location: SENE Section 23, T8S, R16E, S.L.B.&M.

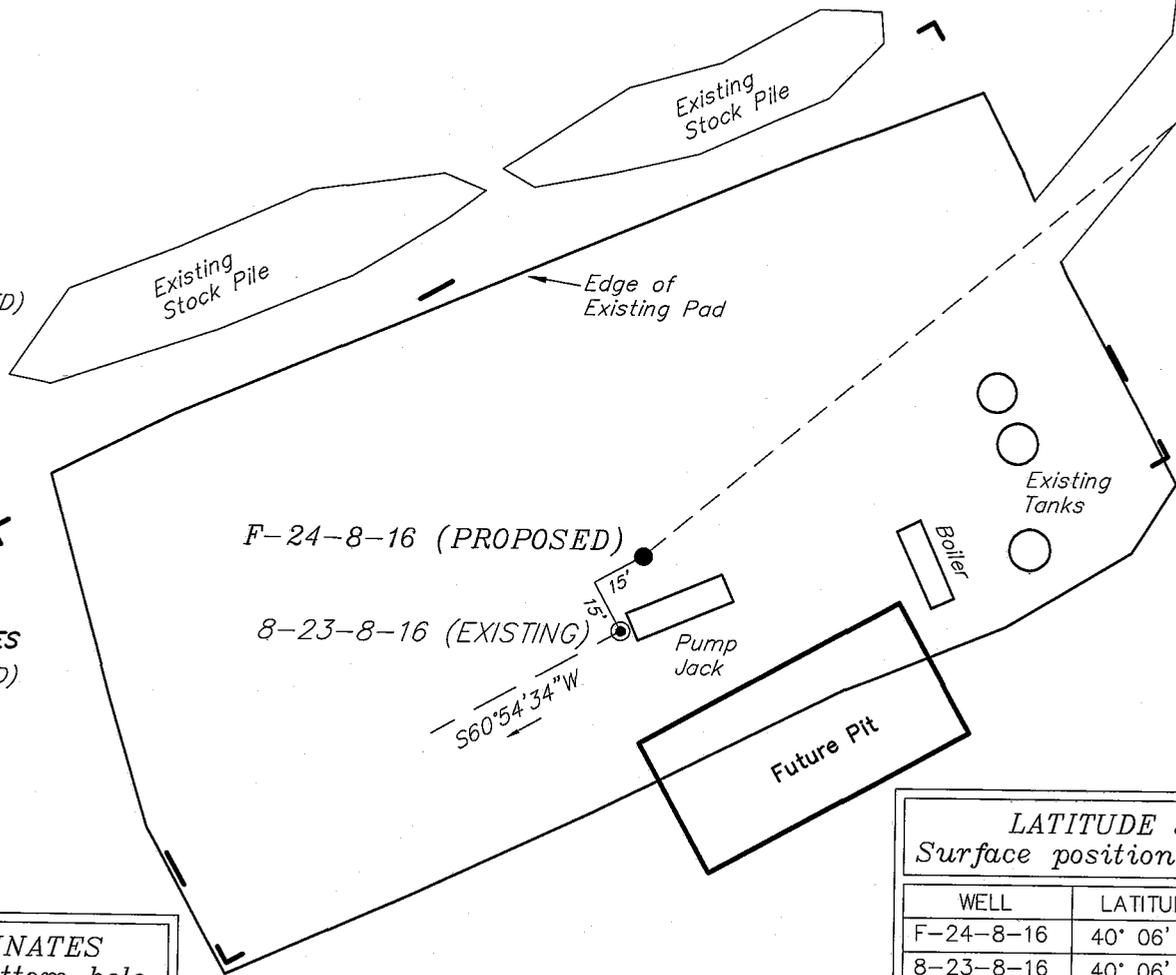


Existing Access

N50°09'37"E = 783.72'  
(To Bottom Hole)

**TOP HOLE FOOTAGES**  
F-24-8-16 (PROPOSED)  
1781' FNL & 537' FEL

**BOTTOM HOLE FOOTAGES**  
F-24-8-16 (PROPOSED)  
1280' FNL & 65' FWL



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

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

WELL	NORTH	EAST
F-24-8-16	502'	602'

**LATITUDE & LONGITUDE**  
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
F-24-8-16	40° 06' 20.86"	110° 04' 44.86"
8-23-8-16	40° 06' 20.66"	110° 04' 44.93"

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-13-08
SCALE: 1" = 50'	REVISED:

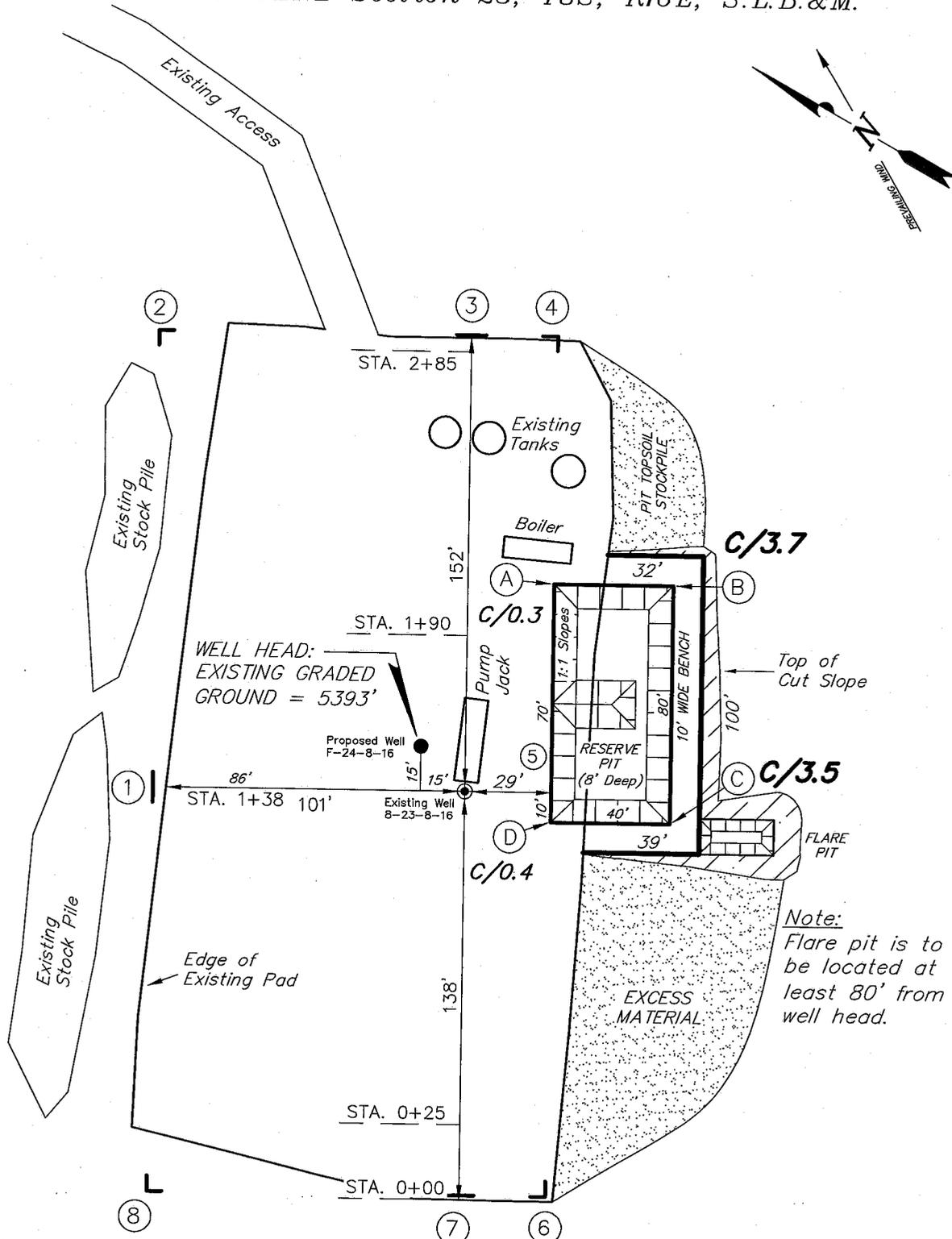
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

FENCELINE F-24-8-16 (Proposed Well)

FENCELINE 8-23-8-16 (Existing Well)

Pad Location: SENE Section 23, T8S, R16E, S.L.B.&M.



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-13-08
SCALE: 1" = 50'	REVISED:

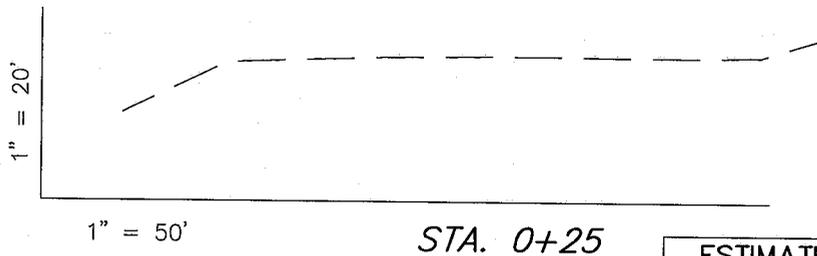
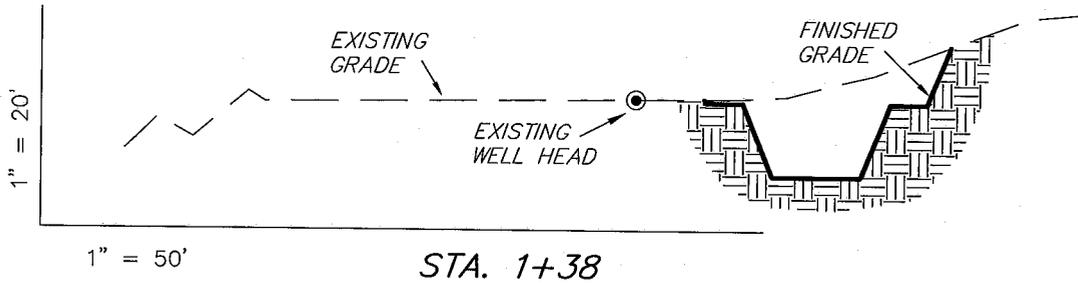
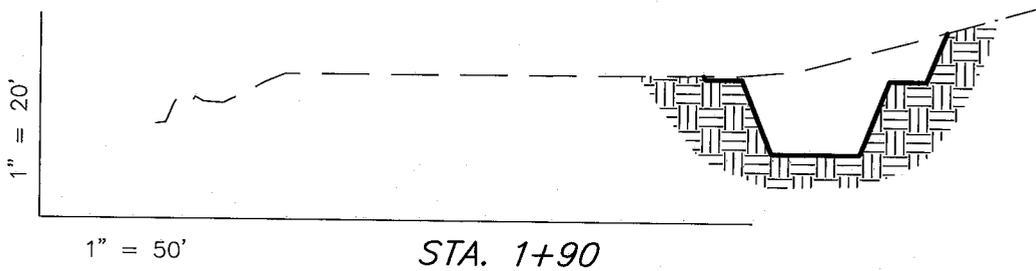
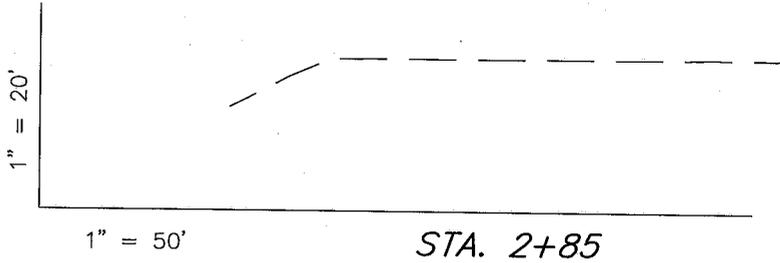
**Tri State**  
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

FENCELINE F-24-8-16 (Proposed Well)

FENCELINE 8-23-8-16 (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	650	0	Topsoil is not included in Pad Cut	650
PIT	640	0		640
TOTALS	1,290	0	140	1,290

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-13-08
SCALE: 1" = 50'	REVISED:

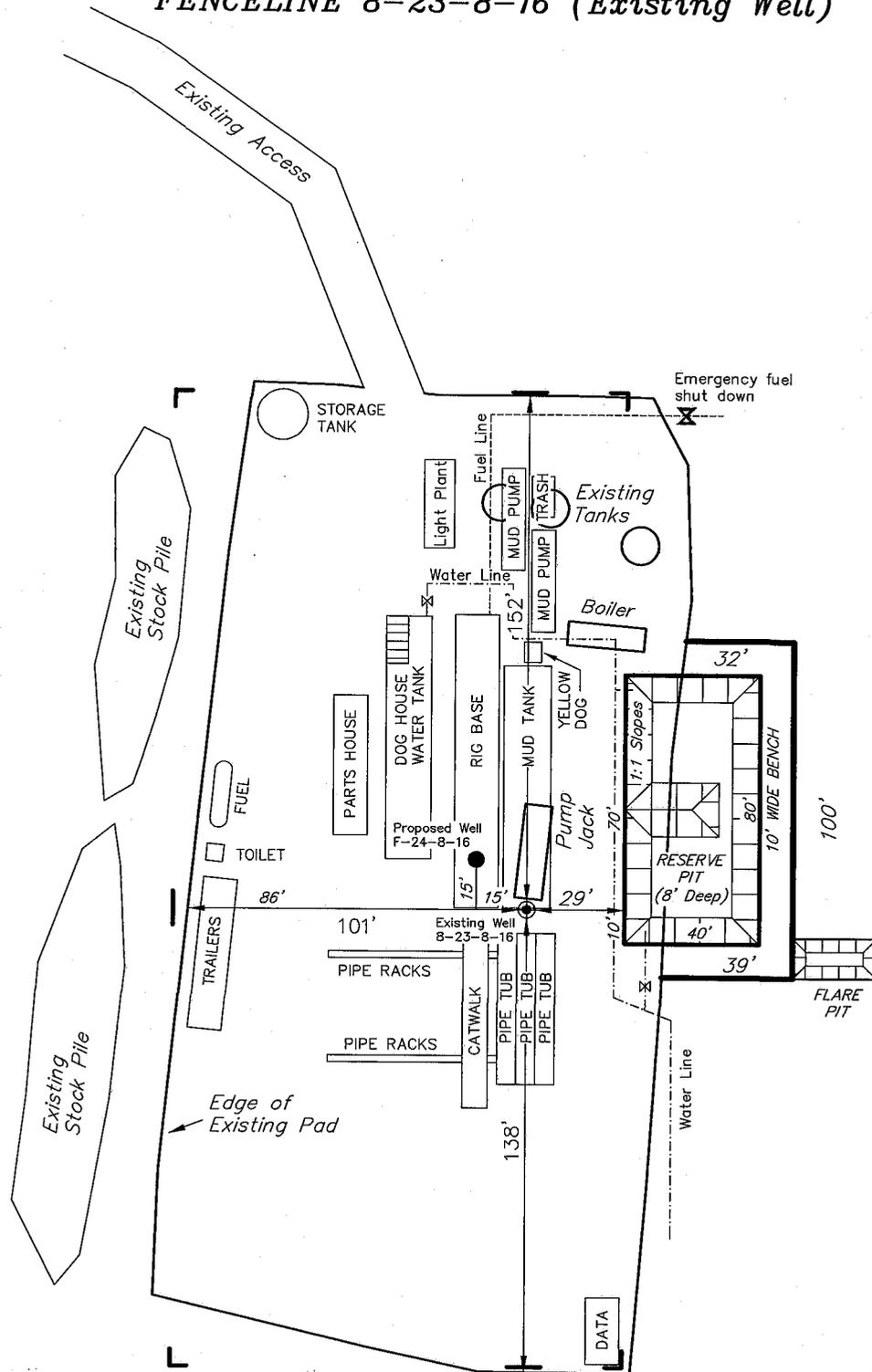
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FENCELINE F-24-8-16 (Proposed Well)

FENCELINE 8-23-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 08-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-13-08
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

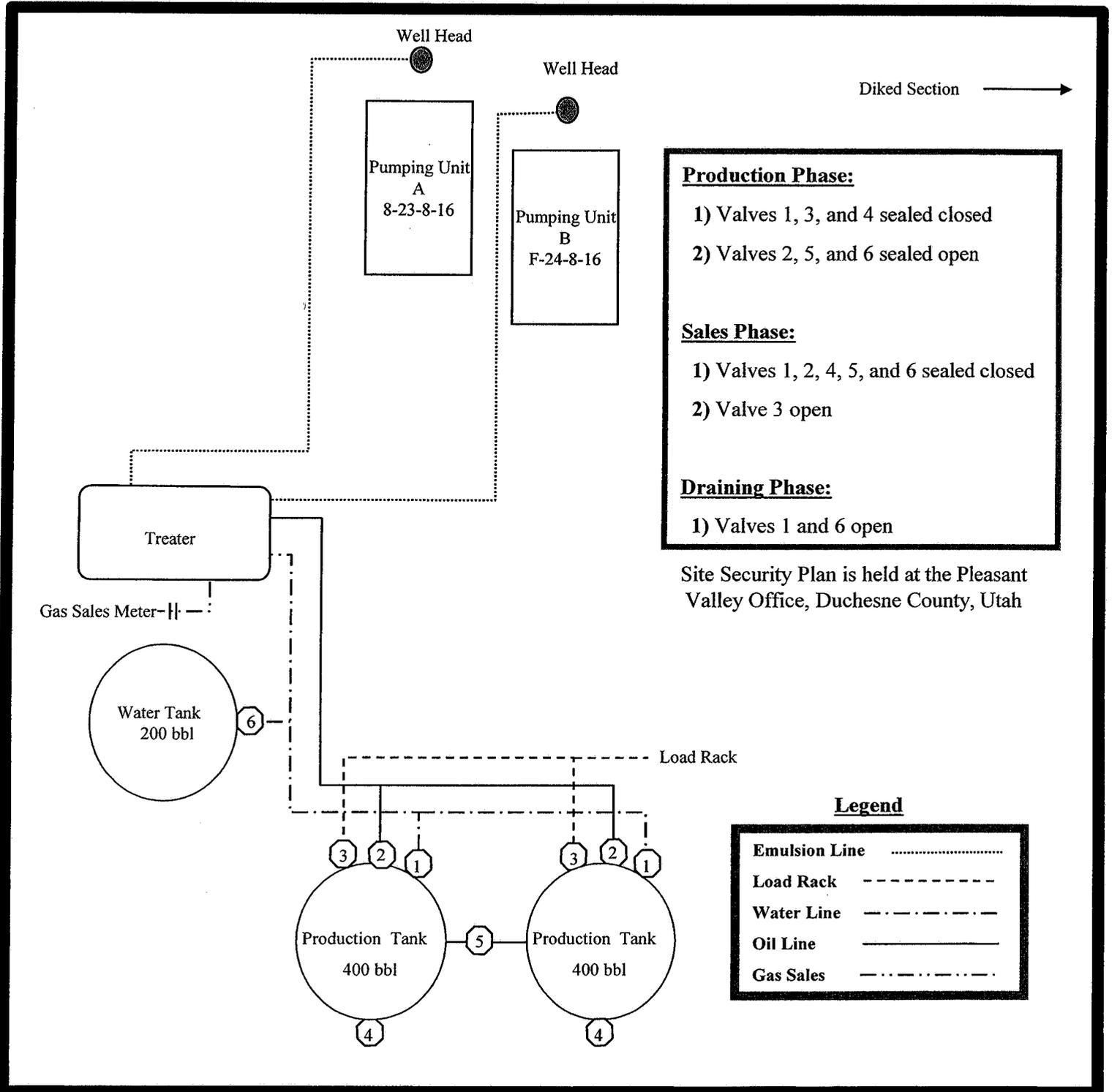
Fenceline Federal F-24-8-16

From the 8-23-8-16 Location

SE/NE Sec. 23 T8S, R16E

Duchesne County, Utah

UTU-74868

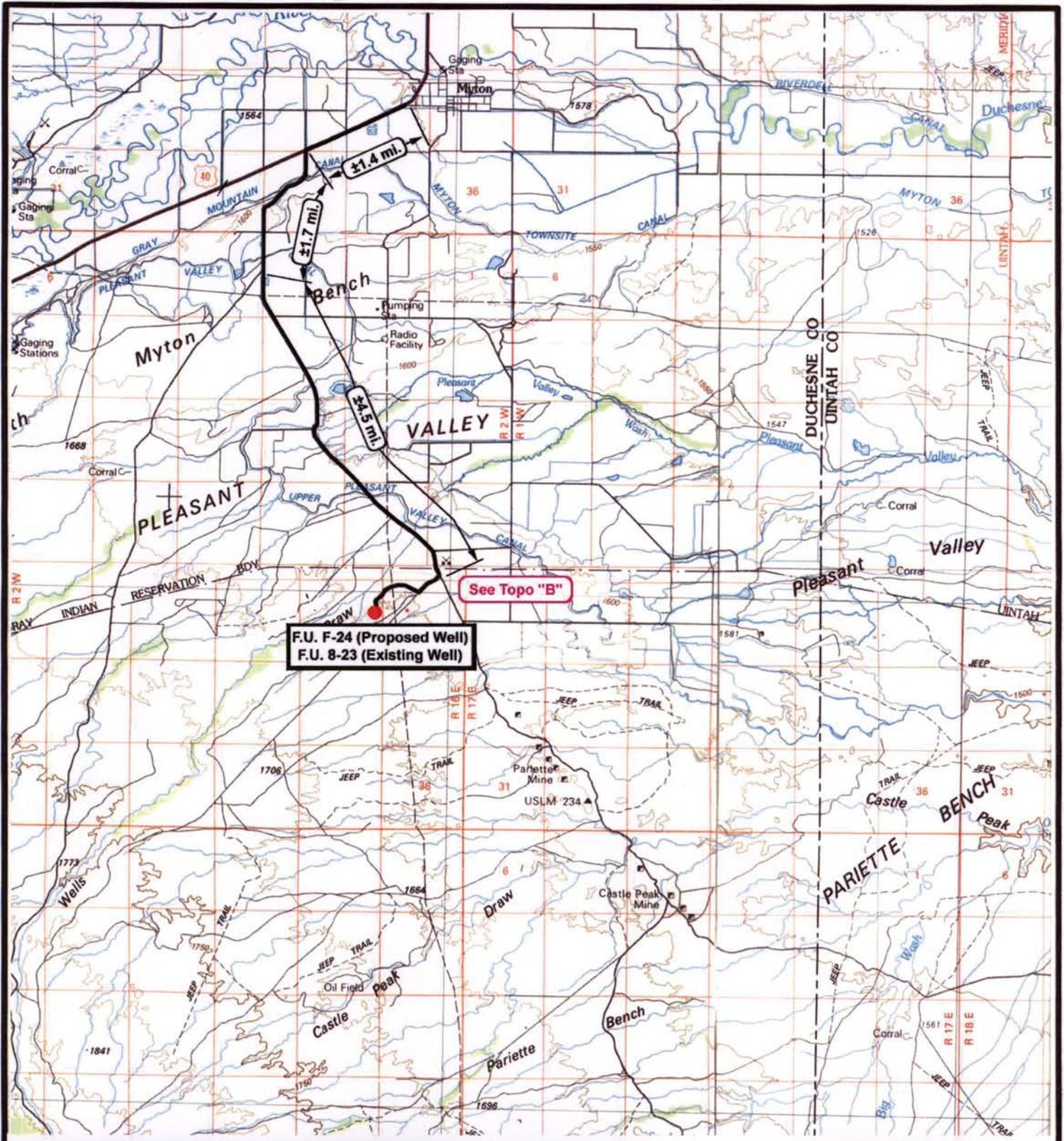


- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
  - 2) Valves 2, 5, and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
  - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open

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

**Legend**

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




  
**NEWFIELD**  
 Exploration Company

---

**Fenceline Unit F-24-8-16 (Proposed Well)**  
**Fenceline Unit 8-23-8-16 (Existing Well)**  
**Pad Location SENE SEC. 23, T8S, R16E, S.L.B.&M.**

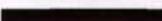


  
**Tri-State**  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1 = 100,000  
 DRAWN BY: JAS  
 DATE: 09-16-2008

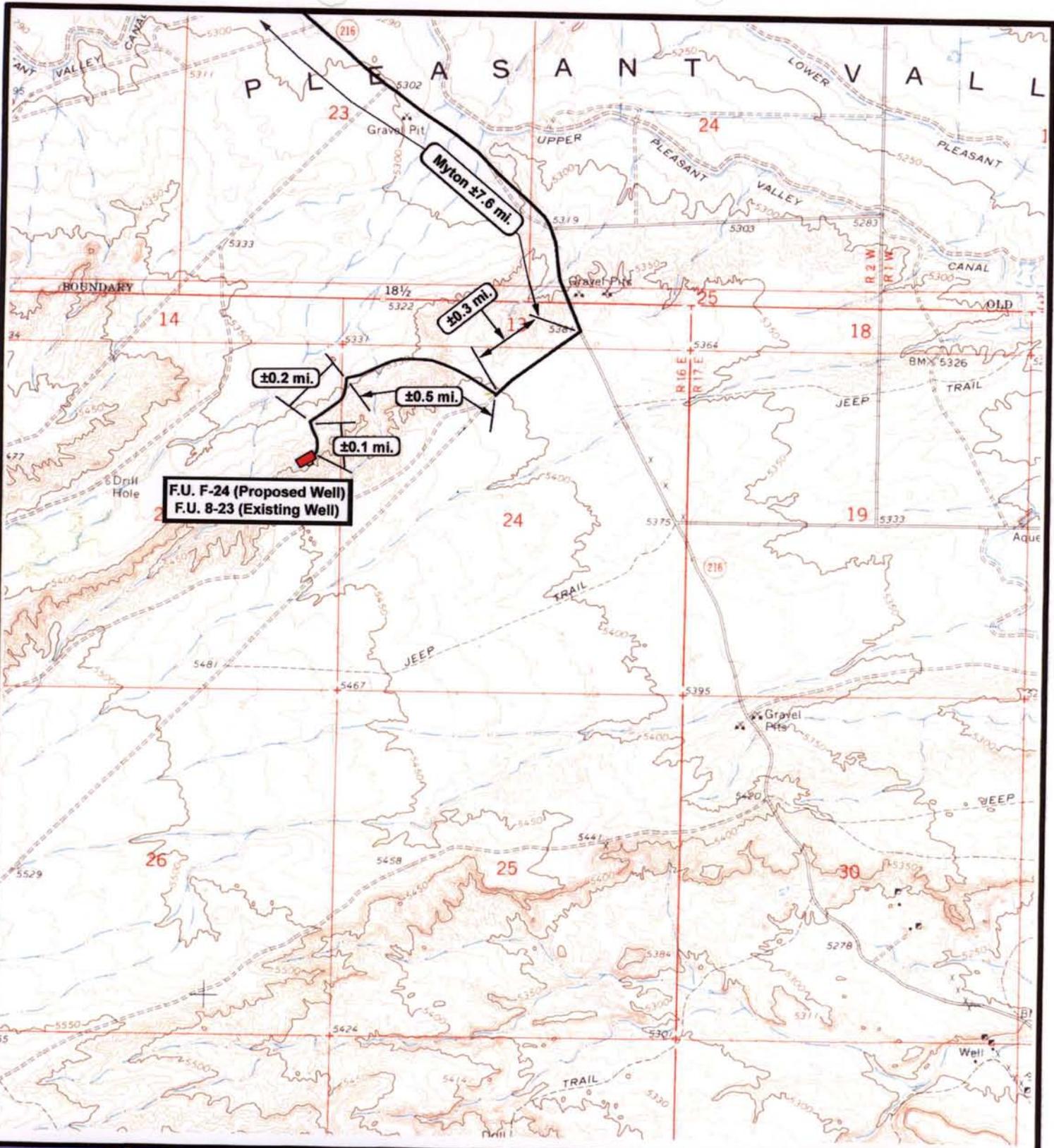
**Legend**

 Existing Road  
 Proposed Access

---

TOPOGRAPHIC MAP

**"A"**




**NEWFIELD**  
Exploration Company

**Fenceline Unit F-24-8-16 (Proposed Well)**  
**Fenceline Unit 8-23-8-16 (Existing Well)**  
**Pad Location SENE SEC. 23, T8S, R16E, S.L.B.&M.**




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

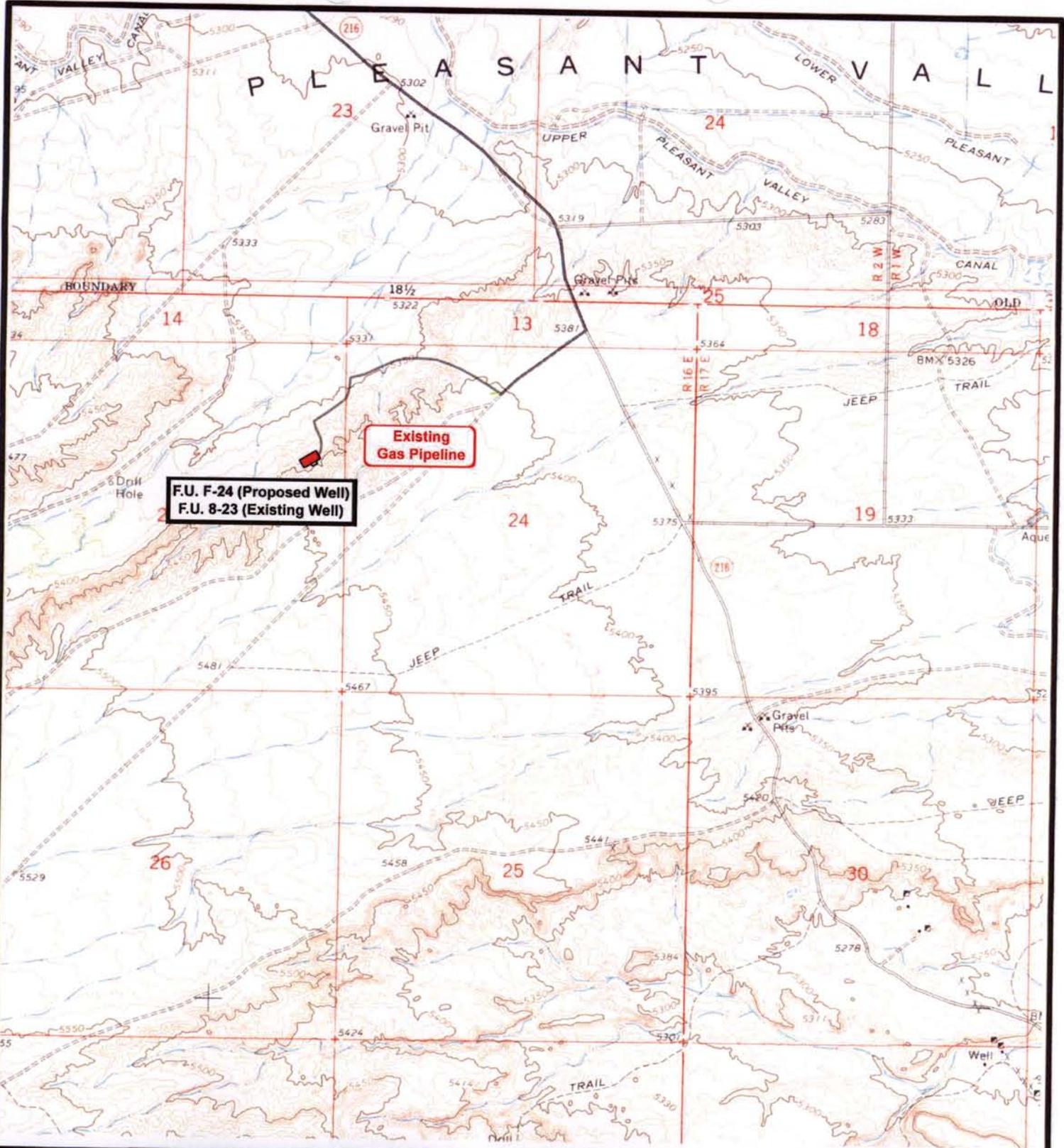
SCALE: 1" = 2000'  
DRAWN BY: JAS  
DATE: 09-16-2002

**Legend**

Existing Road

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

**Fenceline Unit F-24-8-16 (Proposed Well)**  
**Fenceline Unit 8-23-8-16 (Existing Well)**  
**Pad Location SENE SEC. 23, T8S, R16E, S.L.B.&M.**



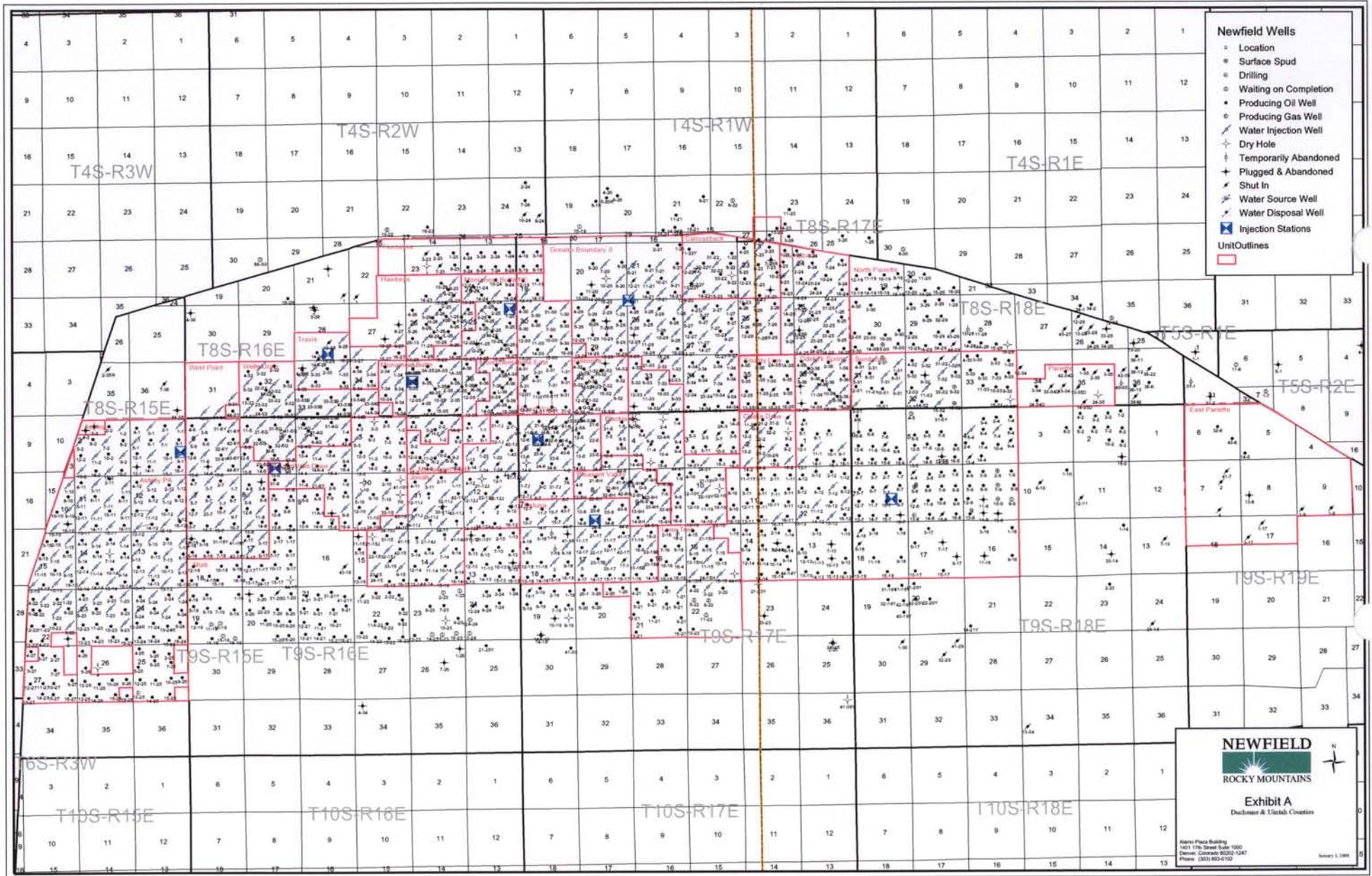
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

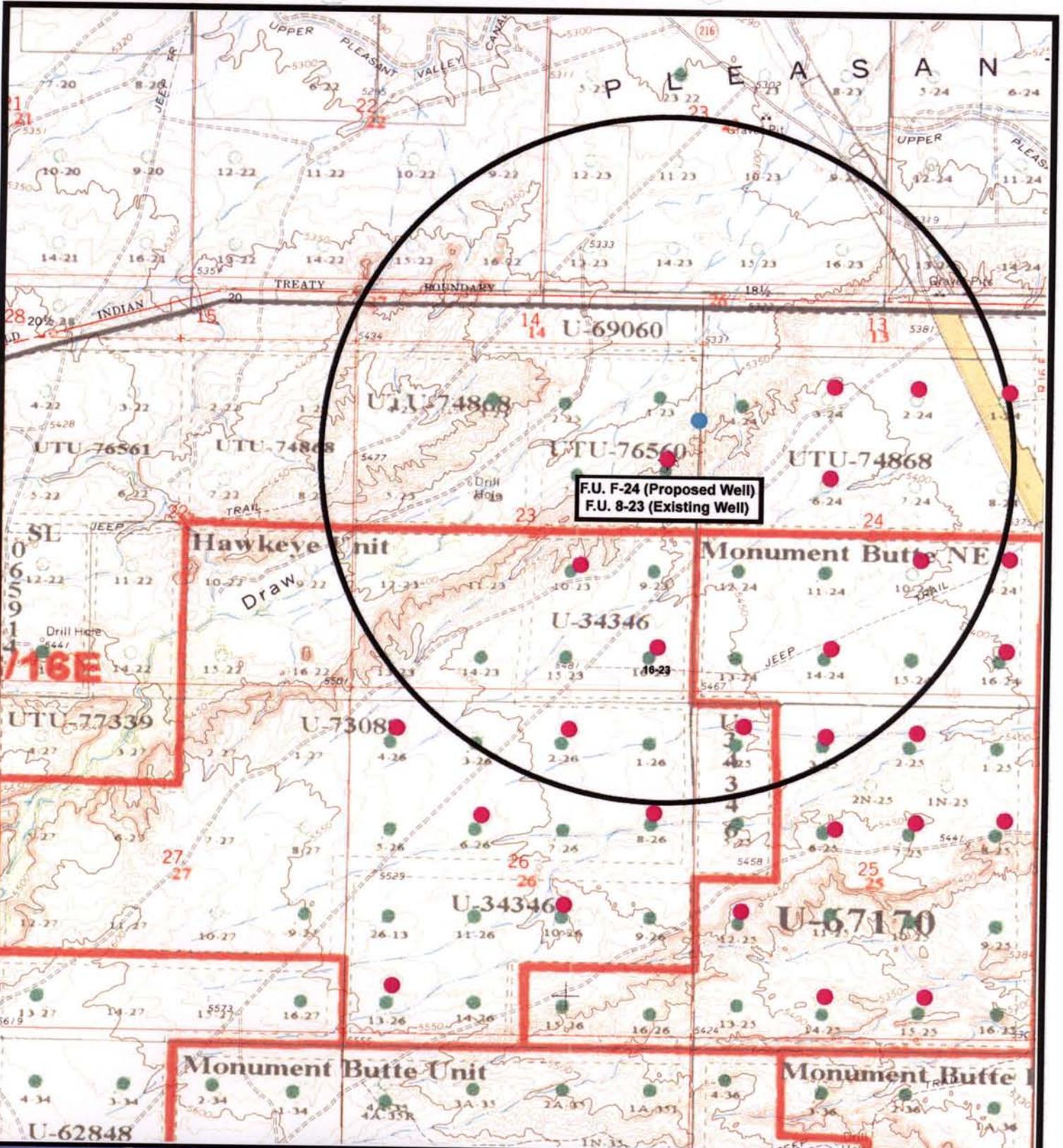
SCALE: 1" = 2000'  
 DRAWN BY: JAS  
 DATE: 09-16-2002

**Legend**

— Roads

TOPOGRAPHIC MAP  
**"C"**



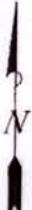


F.U. F-24 (Proposed Well)  
 F.U. 8-23 (Existing Well)



**NEWFIELD**  
 Exploration Company

**Fenceline Unit F-24-8-16 (Proposed Well)**  
**Fenceline Unit 8-23-8-16 (Existing Well)**  
 Pad Location SENE SEC. 23, T8S, R16E, S.L.B.&M.



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

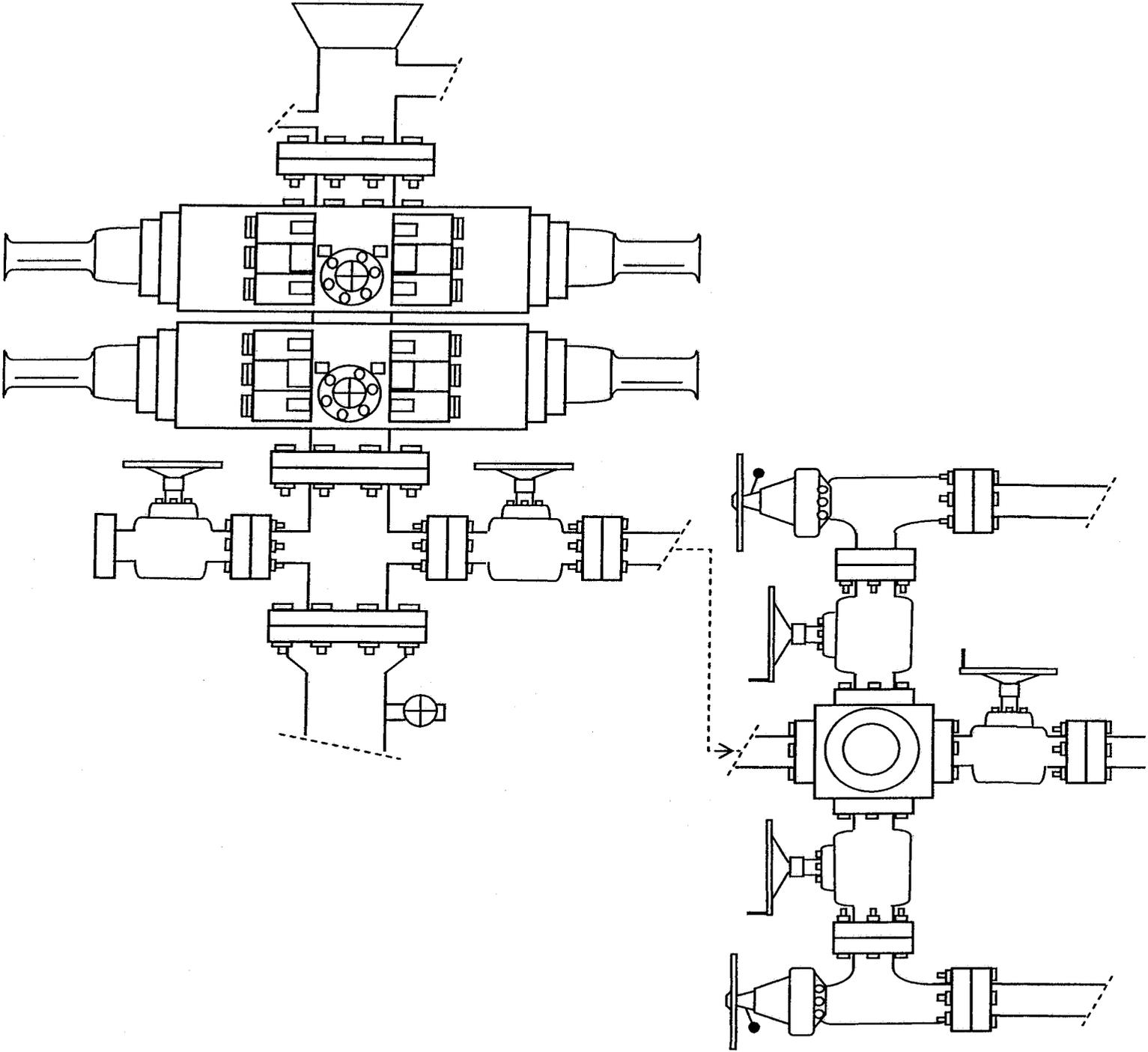
SCALE: 1" = 2,000'  
 DRAWN BY: JAS  
 DATE: 09-16-2008

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

**2-M SYSTEM**  
Blowout Prevention Equipment Systems



**EXHIBIT C**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/19/2008

API NO. ASSIGNED: 43-013-34140
--------------------------------

WELL NAME: FENCELINE FED F-24-8-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 23 080S 160E  
 SURFACE: 1781 FNL 0537 FEL  
 BOTTOM: 1280 FNL 0065 FWL *Sec 24*  
 COUNTY: DUCHESNE  
 LATITUDE: 40.10577 LONGITUDE: -110.0784  
 UTM SURF EASTINGS: 578553 NORTHINGS: 4439694  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

*new well*

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74868  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

- R649-2-3.
- Unit: FENCELINE (GRRV)
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 213-10
- Eff Date: 1-24-2007
- Siting: Suspend General Siting
- R649-3-11. Directional Drill

COMMENTS:

*Sup, Separate file*

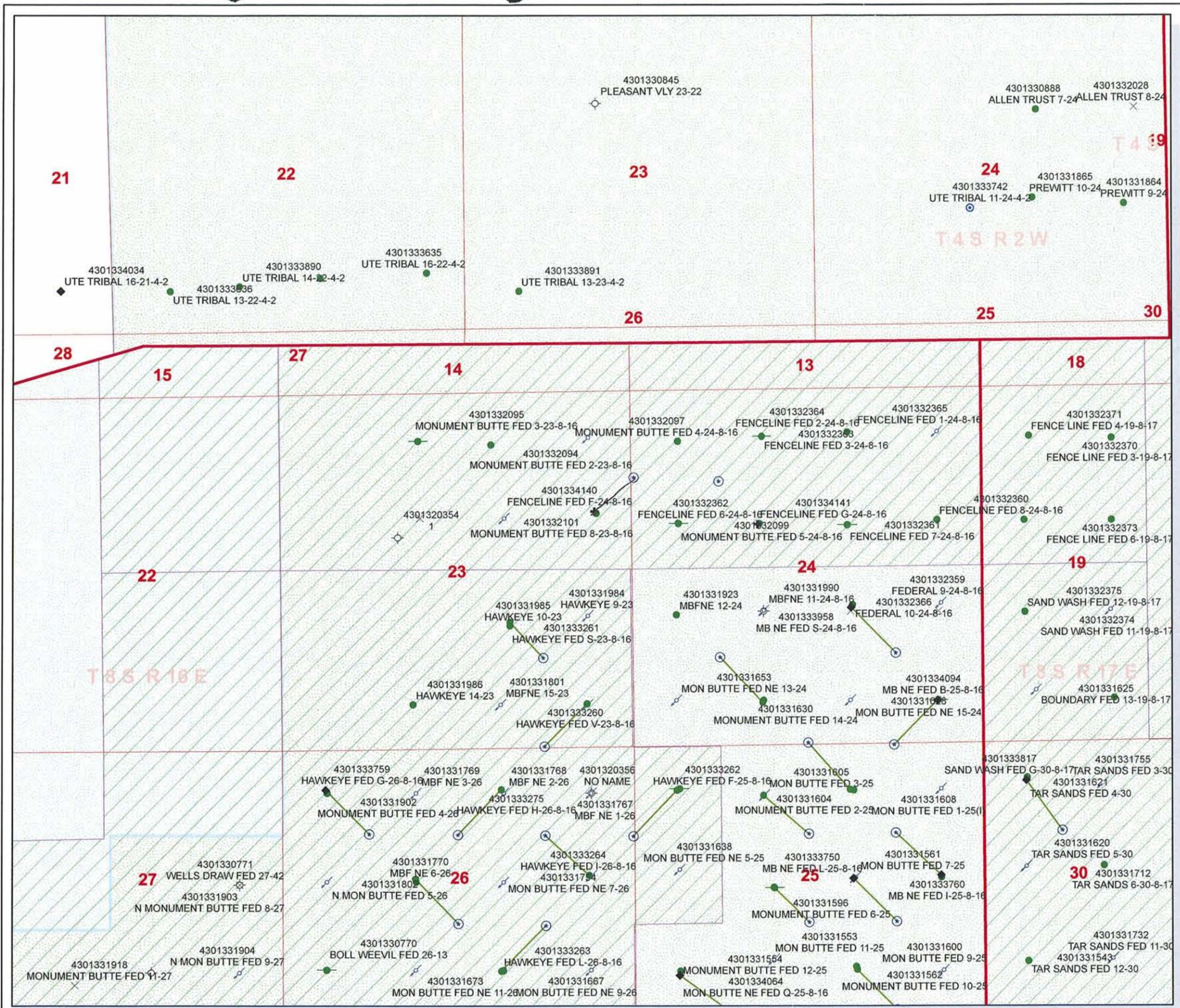
STIPULATIONS:

*1-fee sur (separate)*

**API Number: 4301334140**  
**Well Name: FENCELINE FED F-24-8-16**  
**Township 08.0 S Range 16.0 E Section 23**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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





November 17, 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  
**Fenceline Federal F-24-8-16**  
Fenceline Unit  
UTU-84715X  
Surface Hole: T8S R16E, Section 23: SENE  
1781 FNL 537' FEL  
Bottom Hole: T8S R16E, Section 24:  
1280' FNL 65' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated November 14, 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 Fenceline Unit UTU-84715X. Newfield certifies that it is the Fenceline Unit Operator and all lands within 460 feet of the entire directional well bore are within the Fenceline Unit.

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

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

Sincerely,  
NEWFIELD PRODUCTION COMPANY

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

Roxann Eveland  
Land Associate

RECEIVED  
NOV 20 2008  
DIV. OF OIL, GAS & MINING

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

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

5. Lease Serial No. UTU-74868	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Fenceline	
8. Lease Name and Well No. Fenceline Federal F-24-8-16	
9. API Well No.	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 23, T8S R16E
2. Name of Operator Newfield Production Company	
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NE 1781' FNL 537' FEL Sec. 23, T8S R16E At proposed prod. zone 1280' FNL 65' FWL Sec. 24, T8S R16E	
14. Distance in miles and direction from nearest town or post office* Approximately 8.7 miles southwest of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 65' f/lse, 1360' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 675.165
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. 1107'
19. Proposed Depth 6,715'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5393' GL	22. Approximate date work will start* 1 <sup>st</sup> Qtr. 2009
23. Estimated duration (7) days from SPUD to rig release	
24. Attachments	

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

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the BLM.</li> </ul> |
|---|---|

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		

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

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

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

(Continued on page 2)

\*(Instructions on page 2)

**RECEIVED**  
**NOV 20 2008**

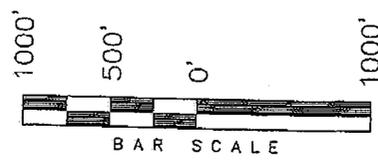
DIV. OF OIL, GAS & MINING

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

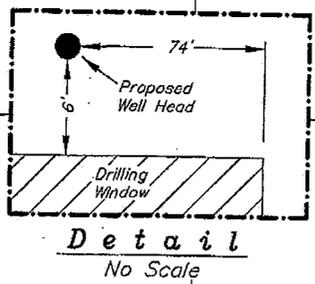
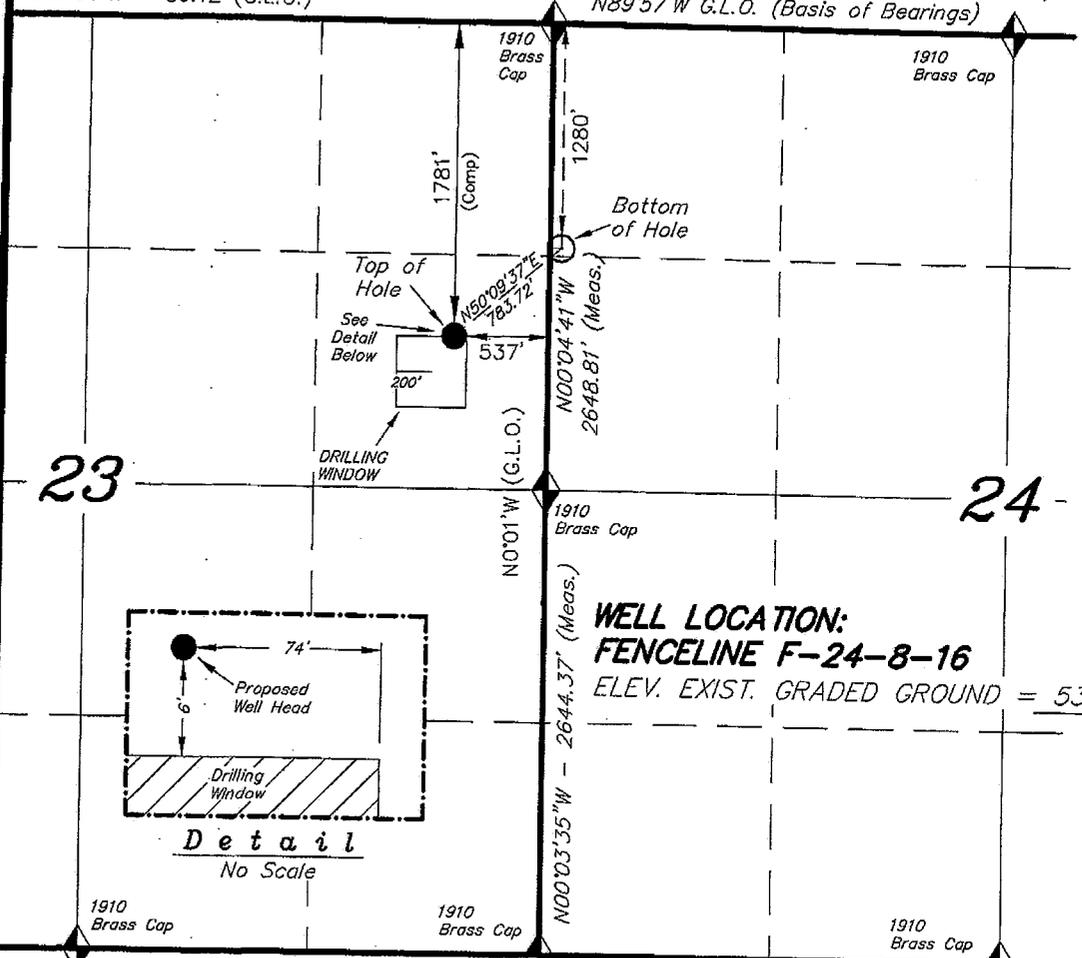
## NEWFIELD PRODUCTION COMPANY

S89°56'W - 80.12 (G.L.O.)  
 N89°57'W 2644.98' (Measured) 79.90 (G.L.O.)  
 N89°57'W G.L.O. (Basis of Bearings)

WELL LOCATION, FENCELINE F-24-8-16,  
 LOCATED AS SHOWN IN THE SE 1/4 NE  
 1/4 OF SECTION 23, T8S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

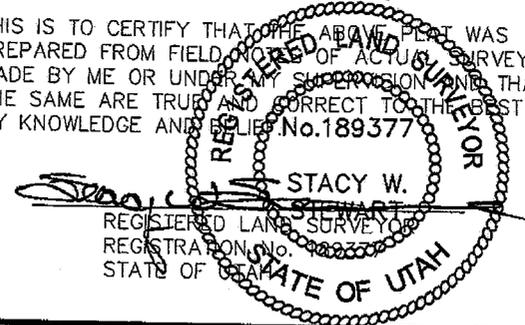


- Note:**
1. The Proposed Well head bears S16°42'38"W 1860.72' from the Northeast Corner of Section 23.
  2. The bottom of hole footages are 1280' FNL & 65' FWL.



**WELL LOCATION:**  
**FENCELINE F-24-8-16**  
 ELEV. EXIST. GRADED GROUND = 5393'

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



S89°57'41"W - 2645.37' (Meas.)  
 N89°52'W - 80.10 (G.L.O.)  
 N89°56'28"W - 2645.69' (Meas.)  
 N89°55'W - 79.92 (G.L.O.)

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

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

**FENCELINE F-24-8-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 06' 20.86"  
 LONGITUDE = 110° 04' 44.86"

DATE SURVEYED: 08-20-08	SURVEYED BY: T.H.
DATE DRAWN: 09-13-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3160  
(UT-922)

November 21, 2008

### Memorandum

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

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

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34140	Fenceline Fed F-24-8-16 Sec 23	T08S R16E 1781 FNL 0537 FEL BHL Sec 24 T08S R16E 1280 FNL 0065 FWL
43-013-34141	Fenceline Fed G-24-8-16 Sec 24	T08S R16E 1999 FNL 1915 FWL BHL Sec 24 T08S R16E 1355 FNL 1335 FWL

We have no objections to permitting the well so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

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

MCoulthard:mc:11-21-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 24, 2008

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

Re: Fenceline Federal F-24-8-16 Well, Surface Location 1781' FNL, 537' FEL, SE NE, Sec. 23, T. 8 South, R. 16 East, Bottom Location 1280' FNL, 65' FWL, NW NW, Sec. 24, 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 43-013-34140.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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



Operator: Newfield Production Company  
Well Name & Number Fenceline Federal F-24-8-16  
API Number: 43-013-34140  
Lease: UTU-74868

Surface Location: SE NE      Sec. 23      T. 8 South      R. 16 East  
Bottom Location: NW NW      Sec. 24      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.

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		2008 NOV 18 PM 1 43		5. Lease Serial No. UTU-74868
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		DEPT OF THE INTERIOR BUREAU OF LAND MGMT		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company				7. If Unit or CA Agreement, Name and No. Fenceline
3a. Address Route #3 Box 3630, Myton UT 84052		3b. Phone No. (include area code) (435) 646-3721		8. Lease Name and Well No. Fenceline Federal F-24-8-16
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NE 1781' FNL 537' FEL Sec. 23, T8S R16E At proposed prod. zone 1280' FNL 65' FWL Sec. 24, T8S R16E NW NW				9. API Well No. 43 013 34140
14. Distance in miles and direction from nearest town or post office* Approximately 8.7 miles southwest of Myton, UT		12. County or Parish Duchesne		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 65' f/lse, 1360' f/unit (Also to nearest drig. unit line, if any)		16. No. of acres in lease 675.165		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. 1107'		19. Proposed Depth 6,715'		20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5393' GL		22. Approximate date work will start* 1 <sup>st</sup> Qtr. 2009		23. Estimated duration (7) days from SPUD to rig release
24. Attachments				

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		
Approved by (Signature) <i>Stephanie J Howard</i>	Name (Printed Typed) Stephanie J Howard	Date 10/30/09
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

(Continued on page 2)

\*(Instructions on page 2)

NOS 9/22/08  
AFMSS#BSXS 0261A

**RECEIVED**  
NOV 05 2009 NOTICE OF APPROVAL  
DIV. OF OIL, GAS & MINING

**UDOGM**



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4401



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

Company:	Newfield Production Company	Location:	SENE, Sec. 23, T8S, R16E(S) NWNW, Sec. 24, T8S, R16E(B)
Well No:	Fenceline Federal F-24-8-16	Lease No:	UTU-74868
API No:	43-013-34140	Agreement:	Fenceline Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC COAs:**

**Reclamation**

**Interim Reclamation:**

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

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

### **Final Reclamation:**

Final Reclamation will be similar to interim reclamation except, all disturbance associated with the well location, access road and pipeline will be reclaimed. The seed mix may include more shrubs and native species. The visual composition will be reestablished to blend with the natural surroundings through re-contouring and reseeding.

- After pipeline installation is complete, all disturbed areas will be reseeded. The seed mixtures to be used will be similar to the vegetation of the surrounding areas and may consist of grasses, forbs, or shrubs. A recommended seed mixture is provided in the table below.

### **Monitoring:**

- The initial monitoring report will include but is not limited to: when the re-contouring and seeding was completed. The seed applied, the amounts, and the depth of application. Seedbed preparation such as

disking , mulching, etc. Seed application such as drilling or broadcast seeding. Are there any soil amendments, fertilizers, watering, etc. The amounts of noxious and invasive weeds. Are any fencing requirements needed.

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

**Seed mix (Interim and Final Reclamation):**

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

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

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

**SITE SPECIFIC DOWNHOLE COAs:**

**Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.**

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@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>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74868
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b> FENCELINE (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FENCELINE FED F-24-8-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013341400000
<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> 1781 FNL 0537 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 08.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

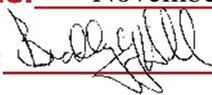
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/23/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

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

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

Date: November 24, 2009

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/23/2009	



**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 43013341400000**

**API:** 43013341400000

**Well Name:** FENCELINE FED F-24-8-16

**Location:** 1781 FNL 0537 FEL QTR SENE SEC 23 TWP 080S RNG 160E MER S

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

**Date Original Permit Issued:** 11/24/2008

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

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

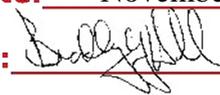
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 11/23/2009

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

**Date:** November 24, 2009

**By:** 

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration                      Rig Name/# Ross #29  
Submitted By Mitch Benson                      Phone Number (435) 823-5885  
Name/Numer Fenceline Federal F-24-8-16  
Qtr/Qrt SE/NE      Section 23      Township 8S                      Range 16E  
Lease Serial Number UTU-74868  
API Number 43-013-34140

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

Date/Time 6/4/2010 9:00:00 AM

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

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

Date/Time 6/4/2010 4:00:00 PM

Remarks:

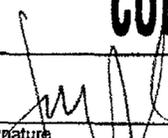
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301334141	FENCELINE FEDERAL G-24-8-16	SENW	24	8S	16E	DUCHESNE	6/5/2010	7/26/10
WELL 1 COMMENTS: GRRV BHL = SENW											
A	99999	17472	4301350291	UTE TRIBAL 6-27-4-3	SENW	27	4S	3W	DUCHESNE	6/3/2010	7/26/10
GRRV BHL = SENW CONFIDENTIAL											
B	99999	17400	4301334125	MONUMENT BUTTE FEDERAL L-34-8-16	NWSE	34	8S	16E	DUCHESNE	6/11/2010	7/26/10
GRRV BHL = NWSE											
B	99999	17400	4301334140	FENCELINE FEDERAL F-24-8-16	NWNW	23 24	8S	16E	DUCHESNE	6/4/2010	7/26/10
GRRV BHL = Sec 24 NWNW											
A	99999	17681	4304750987	HANCOCK 2-24-4-1	NWNE NWSE	24	4S	1W	UINTAH	6/7/2010	7/26/10
WELL 5 COMMENTS: GRRV											
A	99999	17682	4301350287	UTE TRIBAL 15-21-4-3	SWSE	21	4S	3W	DUCHESNE	6/18/2010	7/26/10
WELL 5 COMMENTS: GRRV BHL = SWSE CONFIDENTIAL											

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

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

RECEIVED  
JUN 17 2010

DIV. OF OIL, GAS & MINING

Signature:   
Jentri Park  
Production Clerk  
Date: 06/17/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

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

23  
Section ~~24~~ T8S R16E

5. Lease Serial No.  
USA UTU-74868

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FENCELINE F-24-8-16

9. API Well No.  
4301334140

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

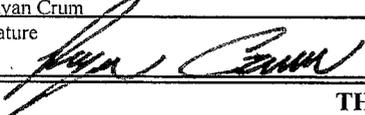
11. County or Parish, State  
DUCHESNE, UT

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

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

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

On 6/4/10 MIRU Ross # 21. Spud well @ 9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.39 KB. On 6/8/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Ryan Crum	Title Drilling Foreman
Signature 	Date 06/09/2010

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

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

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

(Instructions on page 2)

**RECEIVED**  
JUN 22 2010





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74868

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FENCELINE F-24-8-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301334140

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

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: <sup>23</sup>/<sub>24</sub>, T8S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>07/13/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

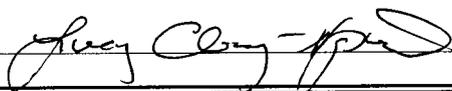
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07-13-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 07/14/2010

(This space for State use only)

**RECEIVED**

**JUL 19 2010**

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

## Daily Activity Report

Format For Sundry

**FENCELINE F-24-8-16**

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

**7/2/2010 Day: 1**

**Completion**

Rigless on 7/2/2010 - Run CBL & perforate 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 @ 6669' & cement top @ 30'. Perforate stage #1, CP5 sds @ (6570'-77') w/ 3 1/8" Port plug guns ( 11 gram .36" EH 16.82" pen) w/ 3 spf for total of 21 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew

**Daily Cost:** \$0

**Cumulative Cost:** \$11,642

**7/6/2010 Day: 2**

**Completion**

Rigless on 7/6/2010 - Frac 3 stages. - RU The Perforators wireline. Set CBP & perf PB10 sds as shown in perforation report. SWIFN. - RU The Perforators wireline. Set CBP & perf D2/D1 sds as shown in perforation report. RU BJ Services. Frac D2/D1 sds as shown in stimulation report. 1651 BWTR. - RU The Perforators wireline. Set CBP & perf CP2 sds as shown in perforation report. RU BJ Services. Frac CP2 sds as shown in stimulation report. 887 BWTR. - RU BJ Services. Frac CP5 sds as shown in stimulation report. 537 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$26,911

**7/8/2010 Day: 3**

**Completion**

Rigless on 7/8/2010 - Frac remaining zones. - RU BJ Services. Frac PB10 sds as shown in stimulation report. 2021 BWTR. - RU The Perforators wireline. Set CBP & perf GB6 sds as shown in perforation report. RU BJ Services. Frac the GB6 sds as shown in stimulation report. RD BJ Services & The Perforators wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 5 hrs & turned to oil. Recovered 675 bbls. RU The Perforators wireline. Set kill plug @ 4800'. SWIFN. 1568 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$109,347

**7/9/2010 Day: 4**

**Completion**

Stone #8 on 7/9/2010 - ND Cameron BOP. NU Schaeffer BOP. RIH w/ tbg. DU CBPs. - MIRU Stone #8. 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 @ 4744'. RU powerswivel & pump. C/O to CBP @ 4800'. DU CBP in 40 min. Cont. RIH w/ tbg. Tag fill @ 4925'. C/O to CBP @ 4930'. DU CBP in 40 min. RIH w/ tbg. to 5061'. Circulate well clean. SWIFN. 1550 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$155,704

**7/12/2010 Day: 5**

**Completion**

Stone #8 on 7/12/2010 - DU CBPs. Swab for cleanup. - Csg. @ 350 psi, tbg. @ 350 psi. Bleed off well. Circulate well w/ 60 bbls water. RIH w/ tbg. Tag fill @ 5061'. C/O to CBP @ 5110'. DU CBP in 35 min. Cont. RIH w/ tbg. Tag fill @ 5444'. C/O to CBP @ 5510'. DU CBP in 40 min. Cont. RIH w/ tbg. Tag CBP @ 6410'. CU CBP in 40 min. Cont. RIH w/ tbg. Tag fill @ 6598'. C/O to PBSD @ 6723'. Circulate well clean. Pull up to 6623'. RIH w/ swab. SFL @ surface. Made 17 runs. Recovered 153 bbls. EFL @ 2300'. Ending oil cut @ approx. 15%. RD swab. RIH w/ tbg. Tag PBSD @ 6723'. Circulate well clean. Pull up to 6658'. SWIFN. 1647 BWTR. - Csg. @ 150 psi, tbg. @ 100 psi. Bleed off well. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 211 jts 2 7/8" tbg. ND BOP. NU wellhead. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulics 2 1/2" x 1 3/4" x 24' RHAC rod pump, 4- 1 1/2" weight bars, 258- 7/8" guided rods (8 per), 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi w/ rig. Good pump action. RU pumping unit. Hang off rods. Pumping unit would not pick up rod string. SWIFN. - Csg. @ 350 psi, tbg. @ 350 psi. Bleed off well. Circulate well w/ 60 bbls water. RIH w/ tbg. Tag fill @ 5061'. C/O to CBP @ 5110'. DU CBP in 35 min. Cont. RIH w/ tbg. Tag fill @ 5444'. C/O to CBP @ 5510'. DU CBP in 40 min. Cont. RIH w/ tbg. Tag CBP @ 6410'. CU CBP in 40 min. Cont. RIH w/ tbg. Tag fill @ 6598'. C/O to PBSD @ 6723'. Circulate well clean. Pull up to 6623'. RIH w/ swab. SFL @ surface. Made 17 runs. Recovered 153 bbls. EFL @ 2300'. Ending oil cut @ approx. 15%. RD swab. RIH w/ tbg. Tag PBSD @ 6723'. Circulate well clean. Pull up to 6658'. SWIFN. 1647 BWTR. - Csg. @ 150 psi, tbg. @ 100 psi. Bleed off well. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 211 jts 2 7/8" tbg. ND BOP. NU wellhead. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulics 2 1/2" x 1 3/4" x 24' RHAC rod pump, 4- 1 1/2" weight bars, 258- 7/8" guided rods (8 per), 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. Fill tbg. w/ 10 bbls water. Stroke test to 800 psi w/ rig. Good pump action. RU pumping unit. Hang off rods. Pumping unit would not pick up rod string. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$167,717

**7/13/2010 Day: 7**

**Completion**

Rigless on 7/13/2010 - Adjust weights on pumping unit. PWOP @ 1:45 P.M. 144" stroke length, 4.5 SPM. Final Report. 1717 BWTR. - Adjust weights on pumping unit. PWOP @ 1:45 p.m. 144" stroke length, 4.5 SPM. Final Report. 1717 BWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$208,511

**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-74868

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU

8. Lease Name and Well No.  
FENCELINE FEDERAL F-24-8-16

9. AFI Well No.  
43-013-34140

10. Field and Pool or Exploratory  
GREATER MB UNIT

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 23, T8S, R16E

12. County or Parish  
DUCHESNE

13. State  
UT

17. Elevations (DF, RKB, RT, GL)\*  
5393' GL 5405' KB

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 1781' FNL & 537' FEL (SE/NE) SEC. 23, T8S, R16E (UTU-76560)  
At top prod. interval reported below 1326' FNL & 2' FWL (NW/NW) SEC. 24, T8S, R16E (UTU-74868)  
At total depth 1122' FNL & 244' FWL (NW/NW) SEC. 24, T8S, R16E (UTU-74868)

14. Date Spudded  
06/04/2010

15. Date T.D. Reached  
06/26/2010

16. Date Completed 07/14/2010  
 D & A  Ready to Prod.

18. Total Depth: MD 6780'  
TVD ~~6664~~ 6694

19. Plug Back T.D.: MD 6370'  
TVD 6287

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	313'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6770'		300 PRIMLITE		00'	
						450 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@ 6179'	TA @ 6081'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6055-6114' CP3 CP4	.36"	3	42
B) Green River			5595-5630' LODC	.34"	3	21
C) Green River			5209-5214' C	.34"	3	15
D) Green River			5030-5104' D1 D2	.34"	3	33

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

Depth Interval	Amount and Type of Material
6055-6114'	Frac w/ 25005#'s 20/40 sand in 214 bbls of Lightning 17 fluid.
5595-5630'	Frac w/ 19344#'s 20/40 sand in 172 bbls of Lightning 17 fluid.
5209-5214'	Frac w/ 19239#'s 20/40 sand in 174 bbls of Lightning 17 fluid.
5030-5104'	Frac w/ 35441#'s 20/40 sand in 237 bbls of Lightning 17 fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-9-10	7-25-10	24	→	83	27	51			2-1/2" x 1-3/4" 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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\*(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.)

SOLD & 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	4284' 4503'
				GARDEN GULCH 2 POINT 3	4629' 4928'
				X MRKR Y MRKR	5175' 5209'
				DOUGALS CREEK MRK BI CARBONATE MRK	5337' 5628'
				B LIMESTON MRK CASTLE PEAK	5784' 6235'
				BASAL CARBONATE	6635'

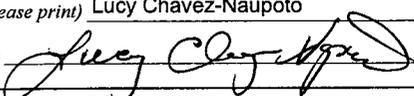
32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (GB6) 4543-4560', .34" 3/36 Frac w/ 45019#'s of 20/40 sand in 297 bbls of Lightning 17 fluid

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

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

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

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant  
 Signature  Date 07/28/2010

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 23 T8S, R16E  
F-24-8-16**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**14 July, 2010**

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



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 23 T8S, R16E  
**Well:** F-24-8-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well F-24-8-16  
**TVD Reference:** F-24-8-16 @ 5405.0ft (RIG 2)  
**MD Reference:** F-24-8-16 @ 5405.0ft (RIG 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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

<b>Site</b>	SECTION 23 T8S, R16E				
<b>Site Position:</b>	<b>Northing:</b>	7,207,200.00ft	<b>Latitude:</b>	40° 5' 49.478 N	
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,035,250.00ft	<b>Longitude:</b>	110° 5' 18.651 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	F-24-8-16, SHL LAT: 40 06 20.86 LONG: -110 04 44.86					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,210,416.45 ft	<b>Latitude:</b>	40° 6' 20.860 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,037,824.99 ft	<b>Longitude:</b>	110° 4' 44.860 W
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	5,405.0 ft	<b>Ground Level:</b>	5,393.0 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>
	IGRF2010	2010/06/03	11.46	65.87	52,404

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	49.86	

<b>Survey Program</b>	Date 2010/07/14				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
420.0	6,770.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
420.0	0.88	69.82	420.0	1.1	3.0	3.0	0.21	0.21	0.00
450.0	1.00	77.88	450.0	1.2	3.5	3.5	0.59	0.40	26.87
481.0	1.00	67.00	481.0	1.4	4.0	4.0	0.61	0.00	-35.10
512.0	1.60	67.20	512.0	1.7	4.7	4.6	1.94	1.94	0.65
542.0	2.40	57.00	541.9	2.2	5.6	5.7	2.91	2.67	-34.00
573.0	3.40	49.00	572.9	3.1	6.8	7.2	3.47	3.23	-25.81
603.0	4.30	54.00	602.8	4.4	8.4	9.2	3.20	3.00	16.67
634.0	5.00	58.90	633.7	5.8	10.5	11.7	2.59	2.26	15.81
664.0	5.50	58.50	663.6	7.2	12.8	14.5	1.67	1.67	-1.33
695.0	6.00	55.10	694.5	8.9	15.4	17.5	1.95	1.61	-10.97
726.0	6.70	52.10	725.3	10.9	18.2	21.0	2.50	2.26	-9.68
756.0	7.10	49.60	755.0	13.2	21.0	24.6	1.67	1.33	-8.33



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 23 T8S, R16E  
 Well: F-24-8-16  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well F-24-8-16  
 TVD Reference: F-24-8-16 @ 5405.0ft (RIG 2)  
 MD Reference: F-24-8-16 @ 5405.0ft (RIG 2)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
787.0	7.30	50.00	785.8	15.7	23.9	28.4	0.67	0.65	1.29
817.0	7.60	48.20	815.6	18.3	26.9	32.3	1.27	1.00	-6.00
848.0	7.80	49.00	846.3	21.0	30.0	36.5	0.73	0.65	2.58
879.0	8.20	49.20	877.0	23.8	33.3	40.8	1.29	1.29	0.65
912.0	8.40	48.70	909.6	27.0	36.9	45.6	0.64	0.61	-1.52
943.0	8.70	48.50	940.3	30.0	40.3	50.2	0.97	0.97	-0.65
975.0	8.80	48.50	971.9	33.2	44.0	55.0	0.31	0.31	0.00
1,070.0	9.40	48.30	1,065.7	43.2	55.2	70.1	0.63	0.63	-0.21
1,165.0	10.30	48.20	1,159.3	54.0	67.3	86.3	0.95	0.95	-0.11
1,260.0	10.70	50.40	1,252.7	65.3	80.4	103.6	0.60	0.42	2.32
1,355.0	11.76	51.10	1,345.9	77.0	94.8	122.1	1.12	1.12	0.74
1,450.0	11.70	52.15	1,438.9	89.0	109.9	141.4	0.23	-0.06	1.11
1,545.0	12.41	49.19	1,531.8	101.6	125.2	161.2	0.99	0.75	-3.12
1,639.0	11.93	46.44	1,623.7	114.9	139.9	181.0	0.80	-0.51	-2.93
1,734.0	11.87	50.02	1,716.7	127.9	154.5	200.6	0.78	-0.06	3.77
1,830.0	11.69	48.96	1,810.6	140.7	169.4	220.2	0.29	-0.19	-1.10
1,924.0	11.40	47.80	1,902.7	153.2	183.5	239.0	0.40	-0.31	-1.23
2,019.0	11.14	49.74	1,995.9	165.4	197.5	257.6	0.48	-0.27	2.04
2,114.0	9.73	47.58	2,089.3	176.7	210.4	274.8	1.54	-1.48	-2.27
2,209.0	10.20	51.75	2,182.9	187.4	222.9	291.2	0.91	0.49	4.39
2,305.0	9.90	44.90	2,277.4	198.5	235.4	307.9	1.28	-0.31	-7.14
2,400.0	9.45	41.94	2,371.1	210.1	246.4	323.8	0.71	-0.47	-3.12
2,495.0	10.04	46.15	2,464.7	221.6	257.6	339.8	0.97	0.62	4.43
2,590.0	9.40	51.70	2,558.4	232.1	269.6	355.8	1.19	-0.67	5.84
2,685.0	9.56	49.85	2,652.1	242.0	281.8	371.4	0.36	0.17	-1.95
2,781.0	10.00	47.00	2,746.7	252.9	294.0	387.7	0.68	0.46	-2.97
2,876.0	9.80	52.30	2,840.2	263.4	306.4	404.0	0.98	-0.21	5.58
2,971.0	10.20	50.40	2,933.8	273.7	319.3	420.5	0.55	0.42	-2.00
3,066.0	10.30	48.10	3,027.3	284.8	332.1	437.4	0.44	0.11	-2.42
3,161.0	9.40	48.80	3,120.9	295.6	344.2	453.7	0.96	-0.95	0.74
3,256.0	9.00	52.10	3,214.7	305.2	355.9	468.9	0.70	-0.42	3.47
3,352.0	10.10	51.20	3,309.3	315.1	368.4	484.8	1.16	1.15	-0.94
3,446.0	10.60	54.00	3,401.8	325.4	381.8	501.6	0.75	0.53	2.98
3,542.0	11.38	52.90	3,496.0	336.3	396.5	519.9	0.84	0.81	-1.15
3,637.0	9.40	49.10	3,589.5	347.0	409.9	537.0	2.20	-2.08	-4.00
3,732.0	10.70	48.50	3,683.0	357.9	422.3	553.6	1.37	1.37	-0.63
3,827.0	10.90	48.70	3,776.3	369.7	435.7	571.4	0.21	0.21	0.21
3,922.0	10.90	48.70	3,869.6	381.6	449.2	589.4	0.00	0.00	0.00
4,017.0	10.60	49.70	3,963.0	393.1	462.6	607.1	0.37	-0.32	1.05
4,112.0	10.08	49.25	4,056.4	404.2	475.6	624.1	0.55	-0.55	-0.47
4,206.0	10.50	47.30	4,148.9	415.4	488.1	640.9	0.58	0.45	-2.07
4,303.0	9.70	49.70	4,244.4	426.7	500.8	657.9	0.93	-0.82	2.47
4,398.0	9.40	50.70	4,338.1	436.8	512.9	673.7	0.36	-0.32	1.05
4,493.0	9.90	57.80	4,431.7	446.0	525.8	689.5	1.36	0.53	7.47
4,588.0	9.50	53.70	4,525.4	455.0	539.1	705.4	0.84	-0.42	-4.32
4,683.0	9.70	51.00	4,619.1	464.7	551.6	721.3	0.52	0.21	-2.84
4,778.0	9.60	50.40	4,712.7	474.8	563.9	737.2	0.15	-0.11	-0.63
4,874.0	8.90	50.20	4,807.5	484.6	575.8	752.6	0.73	-0.73	-0.21
4,969.0	8.20	46.70	4,901.4	494.0	586.4	766.7	0.92	-0.74	-3.68
5,063.0	8.00	41.70	4,994.5	503.5	595.6	779.9	0.78	-0.21	-5.32
5,158.0	9.10	43.89	5,088.4	513.8	605.2	793.9	1.21	1.16	2.31
5,253.0	8.00	50.30	5,182.4	523.5	615.5	808.0	1.53	-1.16	6.75
5,348.0	7.90	47.60	5,276.4	532.1	625.4	821.1	0.41	-0.11	-2.84
5,365.7	8.11	45.73	5,294.0	533.8	627.2	823.6	1.88	1.17	-10.58



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 23 T8S, R16E  
**Well:** F-24-8-16  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well F-24-8-16  
**TVD Reference:** F-24-8-16 @ 5405.0ft (RIG 2)  
**MD Reference:** F-24-8-16 @ 5405.0ft (RIG 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/S (ft)	+E/W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
<b>F-24-8-16 TGT</b>									
5,443.0	9.10	38.60	5,370.4	542.4	634.9	835.0	1.88	1.28	-9.22
5,538.0	9.60	44.30	5,464.1	553.9	645.1	850.3	1.11	0.53	6.00
5,634.0	8.60	43.80	5,558.9	564.8	655.7	865.4	1.04	-1.04	-0.52
5,729.0	8.70	49.60	5,652.9	574.6	666.1	879.6	0.92	0.11	6.11
5,824.0	9.10	49.80	5,746.7	584.1	677.3	894.3	0.42	0.42	0.21
5,919.0	9.00	53.38	5,840.5	593.4	689.0	909.2	0.60	-0.11	3.77
6,014.0	9.60	62.00	5,934.3	601.5	702.0	924.4	1.59	0.63	9.07
6,109.0	8.70	64.40	6,028.1	608.4	715.4	939.1	1.03	-0.95	2.53
6,204.0	7.10	53.50	6,122.2	615.0	726.6	951.9	2.30	-1.68	-11.47
6,299.0	7.05	58.13	6,216.5	621.5	736.3	963.6	0.60	-0.05	4.87
6,394.0	8.00	49.40	6,310.6	628.9	746.3	975.9	1.56	1.00	-9.19
6,489.0	7.40	46.37	6,404.8	637.4	755.7	988.7	0.76	-0.63	-3.19
6,584.0	7.45	48.70	6,499.0	645.7	764.8	1,000.9	0.32	0.05	2.45
6,715.0	6.09	53.36	6,629.1	655.5	776.7	1,016.3	1.12	-1.04	3.56
6,770.0	6.09	53.36	6,683.8	658.9	781.4	1,022.2	0.00	0.00	0.00

**Wellbore Targets**

**Target Name**

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/S (ft)	+E/W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
F-24-8-16 TGT	0.00	0.00	5,300.0	502.1	601.8	7,210,928.03	2,038,418.71	40° 6' 25.822 N	110° 4' 37.115 W
- actual wellpath misses by 41.1ft at 5365.7ft MD (5294.0 TVD, 533.8 N, 627.2 E)									
- Circle (radius 75.0)									

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



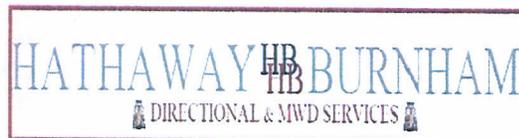
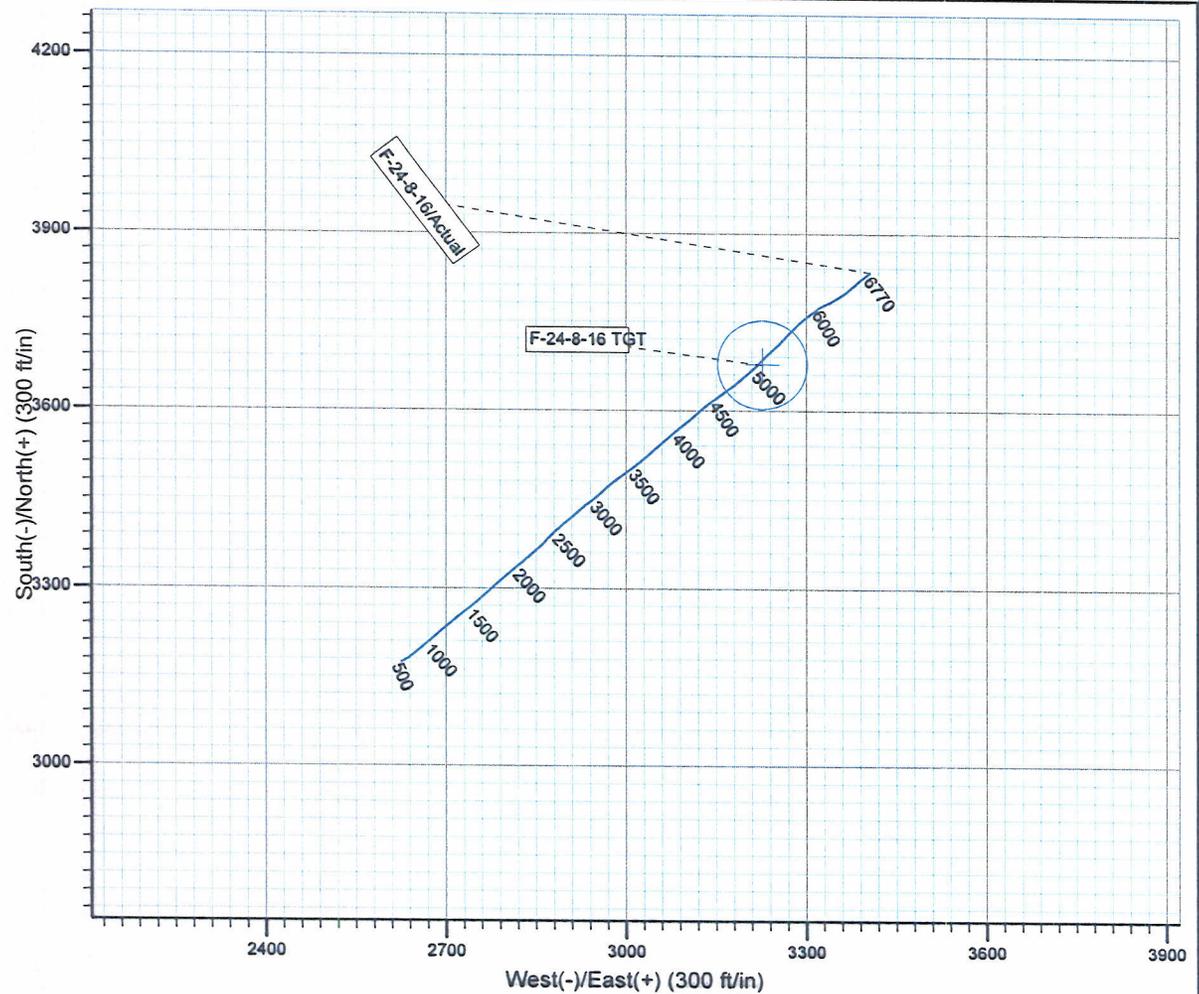
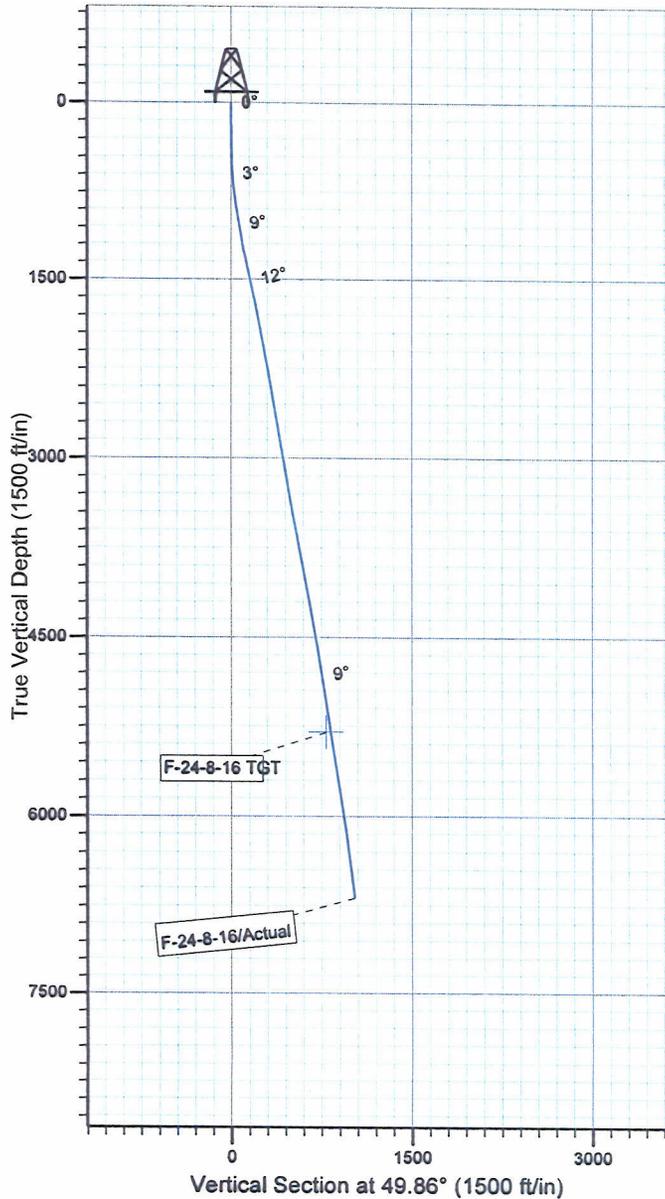
Project: USGS Myton SW (UT)  
 Site: SECTION 23 T8S, R16E  
 Well: F-24-8-16  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.46°

Magnetic Field  
 Strength: 52404.2snT  
 Dip Angle: 65.87°  
 Date: 2010/06/03  
 Model: IGRF2010



Design: Actual (F-24-8-16/Wellbore #1)  
 Created By: *Jim Hudson* Date: 19:07, July 14 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report**

Format For Sundry

**FENCELINE F-24-8-16****4/1/2010 To 8/30/2010****FENCELINE F-24-8-16****Waiting on Cement****Date:** 6/8/2010

Ross #29 at 310. Days Since Spud - 15.8ppg and 1.17 yield, returned 5 bbls Cement to pit - Run 7 jts 8 5/8" casing set @ 313.39KB - ON 6/8/10 R/U BJ and Cement W 160sks of class "G" Cmt + 2%CalCl+.25#sk Cello Flake Mixed @ - On 6/4/10 @ 9:00AM Spud the Fenceline F-24-8-16 W/ Ross Rig #29. Drill 310' of 12 1/4" hole.

**Daily Cost:** \$0**Cumulative Cost:** \$42,965**FENCELINE F-24-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/22/2010

NDSI #2 at 1314. 1 Days Since Spud - 1X3.31Gap Sub, 1X2.55 A-Sub, 1X30.85 Monel, 26 HWDP 795.60. Tag @ 278' - Pick up BHA, Smith MSI616 7 7/8" PDC Bit, 6 1/2" hunting 6/7 3.5 .21 1.5° Mud Motor, 1X30.58' Monel, - Test surface casing to 1,500PSI for 30 minutes all tested good - Test Kelly, pipe and blind rams, choke, safety valve to 2,000PSI for ten minutes - MIRU Set Equipment W/ Marcus Liddell Trucking - Drill 7 7/8" hole F/ 313' to 1314' W/ 15,000 WOB, 151TRPM, 350GPM, 100 fph ROP

**Daily Cost:** \$0**Cumulative Cost:** \$91,595**FENCELINE F-24-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/23/2010

NDSI #2 at 3596. 2 Days Since Spud - Rig Service, Function test BOP and Crown-O-Matic, Grease Crown, Blocks, Swivel and Kelly Spinners - Drill 7 7/8" hole F/ 2391' to 3596' W/ 25,000 WOB, 151TRPM, 350GPM, 98 fph ROP - Drill 7 7/8" hole F/ 1314' to 2391' W/ 25,000 WOB, 151TRPM, 350GPM, 98 fph ROP

**Daily Cost:** \$0**Cumulative Cost:** \$111,204**FENCELINE F-24-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/24/2010

NDSI #2 at 4928. 3 Days Since Spud - Drill 7 7/8" hole F/ 3596' to 3717' W/ 25,000 WOB, 151TRPM, 350GPM, 55 fph ROP - Circulate F/ Bit Trip - TOOH Change Bit and Mud Motor, Scribe Tools and TIH - Drill 7 7/8" hole F/ 3717' to 4928' W/ 25,000 WOB, 151TRPM, 350GPM, 71 fph ROP - Wash and Ream 60' to bottom

**Daily Cost:** \$0**Cumulative Cost:** \$131,063**FENCELINE F-24-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/25/2010

NDSI #2 at 6322. 4 Days Since Spud - Rig Service, Check Crown-A-Matic, Function Test Bop's - Drill 7 7/8" Hole From 5467' To 6322. 23,000 LBS WOB 151 TRPM, 350 GPM, 57 fph AVG ROP - No H2s Reported Last 24 Hrs - Drill 7 7/8" Hole From 4928' To 5467', 23,000 lbs WOB, 151 TRPM, 350 GPM, 63.4 fph AVG ROP.

**Daily Cost:** \$0**Cumulative Cost:** \$152,308

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**FENCELINE F-24-8-16****Circulate & Condition Hole****Date:** 6/26/2010

NDSI #2 at 6780. 5 Days Since Spud - Circ Hole For Laydown & Logs - Drill 7 7/8" Hole From 6322' To 6780'. WOB 25,000 lbs, TRPM 151, GPM 350, 61 fph AVG ROP - Log Well With Phoenix Surveys, Loggers TD 6755' - Test 5 1/2" Pipe Rams. With B&C Quick Test to 2000 psi For 10 Mins. Tested OK - R/U Marcus Liddells Casing Crew. Run 155 Jts 5.5, J-55, 15.5# Casing Shoe Set @ 6769.59' Top Float Set - Float Set @ 6725.75'. - Fill Casing Circ. Hole - R/U BJ Services Cement Head Pressure Test Lines To 3500 PSI. - LDDP & BHA

**Daily Cost:** \$0**Cumulative Cost:** \$281,192

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**FENCELINE F-24-8-16****Wait on Completion****Date:** 6/27/2010

NDSI #2 at 6780. 6 Days Since Spud - FP+SF ) Then 450 sks @ 14.4 with 1.24 Yield ( 50:50:2+3%KCL+0.0%#CE-1+.25#CF+.05#SF+.3SMS+FP-6L) - Displaced With 160 bbls. Returned 25 bbls to Pit - Nipple Down Bop's. Set Slips With 90,000# Tension. - Clean Mud Tanks - Released Rig @ 12:00 PM 6/26/10 - Pump 300 sks Of Lead Cement @ 11.0 ppg With 3.50 Yield, (PL II + 3% KCL+5# CSE+0.5#CF +2# KOL+.5SMS+ **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$308,720

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**Pertinent Files: Go to File List**