

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-30096
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Wells Draw Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Wells Draw Federal G-5-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33519
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 800' FNL 672' FWL At proposed prod. zone NW/NW 1322' FNL 1323' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.1 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 5, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2' f/lse, 1323' f/unit	16. No. of Acres in lease 602.24	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1224'	19. Proposed Depth 6430'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5815' GL	22. Approximate date work will start* 2nd Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/18/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-29-07
Title Officer	Officer ENVIRONMENTAL MANAGER	

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

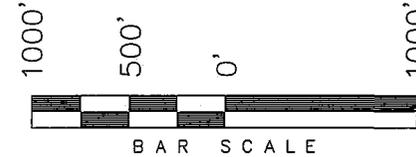
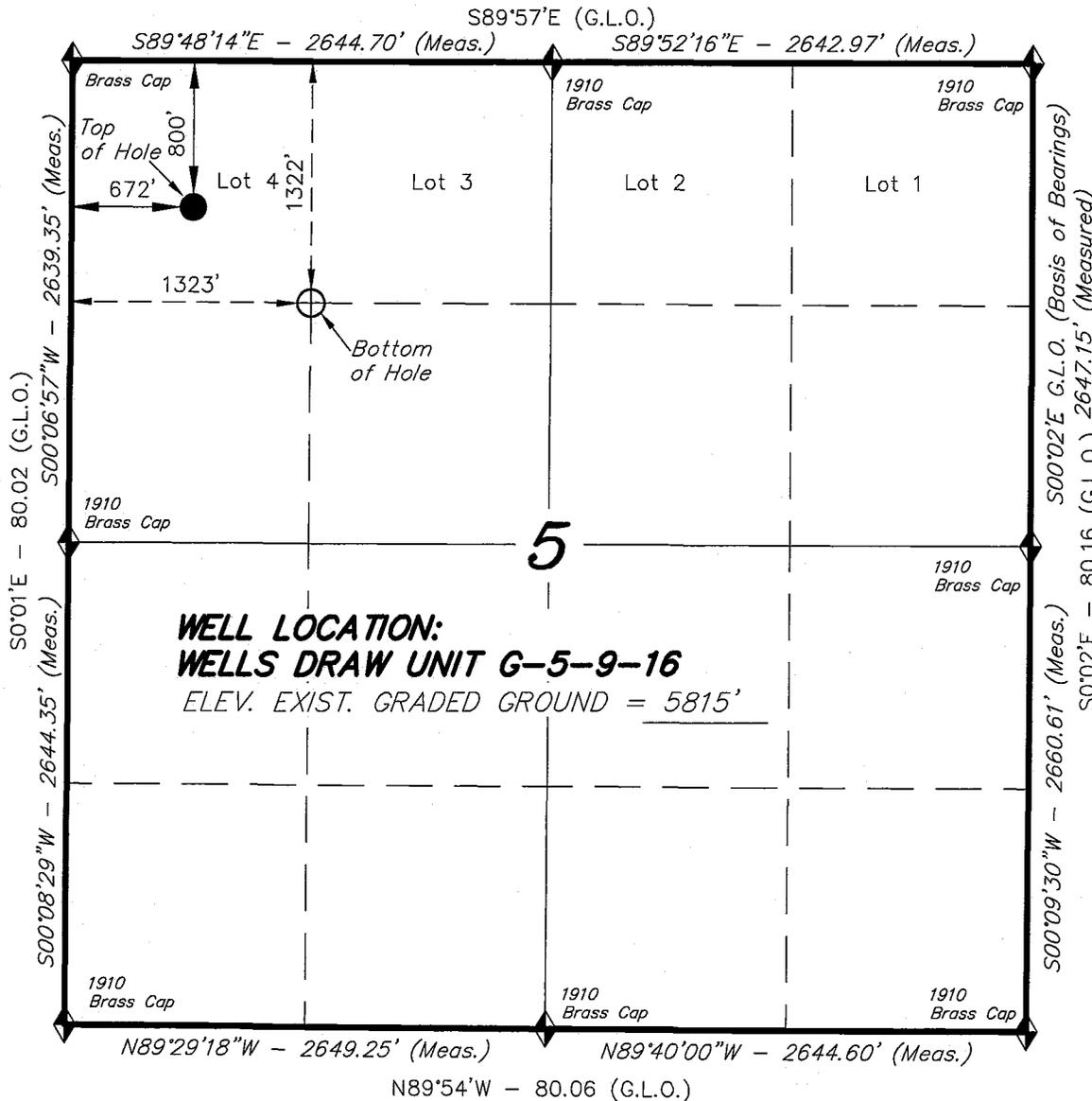
surf  
Federal Approval of this Action is Necessary  
572524 X  
4435109 Y  
40.065009  
- 110.149593  
BHL  
572724 X  
4434952 Y  
40.063577  
- 110.147263

RECEIVED  
JAN 22 2007  
DIV. OF OIL, GAS & MINING

# T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, WELLS DRAW UNIT  
G-5-9-16, LOCATED AS SHOWN IN LOT  
4 OF SECTION 5, T9S, R16E, S.L.B.&M.  
DUCHESNE COUNTY, UTAH.

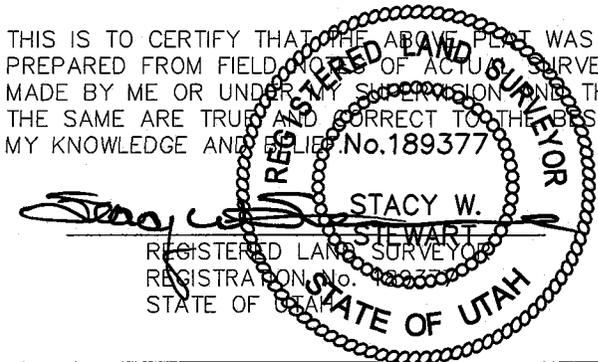


**Note:**

1. The bottom of hole (G-5-9-16 NW/NW) bears S51°08'25"E 834.91' from the Top of Hole.



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



### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 11-16-06	SURVEYED BY: C.M.
DATE DRAWN: 11-21-06	DRAWN BY: T.C.J.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

WELLS DRAW UNIT G-5-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 03' 54.21"  
LONGITUDE = 110° 09' 01.29"

NEWFIELD PRODUCTION COMPANY  
WELLS DRAW FEDERAL #G-5-9-16  
AT SURFACE: NW/NW SECTION 5, T9S, 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' – 2345'
Green River	2345'
Wasatch	6430'

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

Green River Formation 2345' – 6430' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
WELLS DRAW FEDERAL #G-5-9-16  
AT SURFACE: NW/NW SECTION 5, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Wells Draw Federal #G-5-9-16 located in the NW 1/4 NW 1/4 Section 5, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 6.5 miles ± to its junction with an existing dirt road to the southwest; proceed southwesterly - 5.8 miles ± to its junction with an existing road to the south; proceed southwesterly - 0.2 miles ± to the existing Wells Draw Federal 11-5-9-16 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 Wells Draw Federal 11-5-9-16 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 Wells Draw Federal 11-5-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Wells Draw Federal G-5-9-16. 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**

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Wells Draw Federal G-5-9-16 will be drilled off of the existing Wells Draw Federal 11-5-9-16 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 600' of disturbed area be granted in Lease UTU-69744 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

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

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

**Ferruginous Hawk:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

Shadscale	<i>Atriplex Centertifolia</i>	3 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Wells Draw Federal #G-5-9-16 was on-sited on 12/8/06. The following were present; Dave Allred (Newfeild Production), Kim Kettle (Newfeild Production), Chuck MacDonald (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**  
**Representative**

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

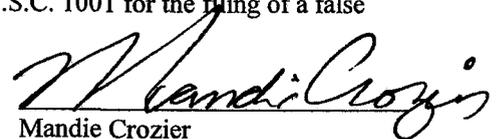
**Certification**

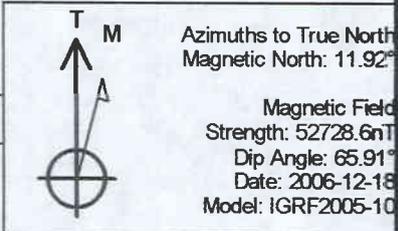
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-5-9-16 Section 5, Township 9S, Range 16E: Lease UTU-30096 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

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

1/18/07

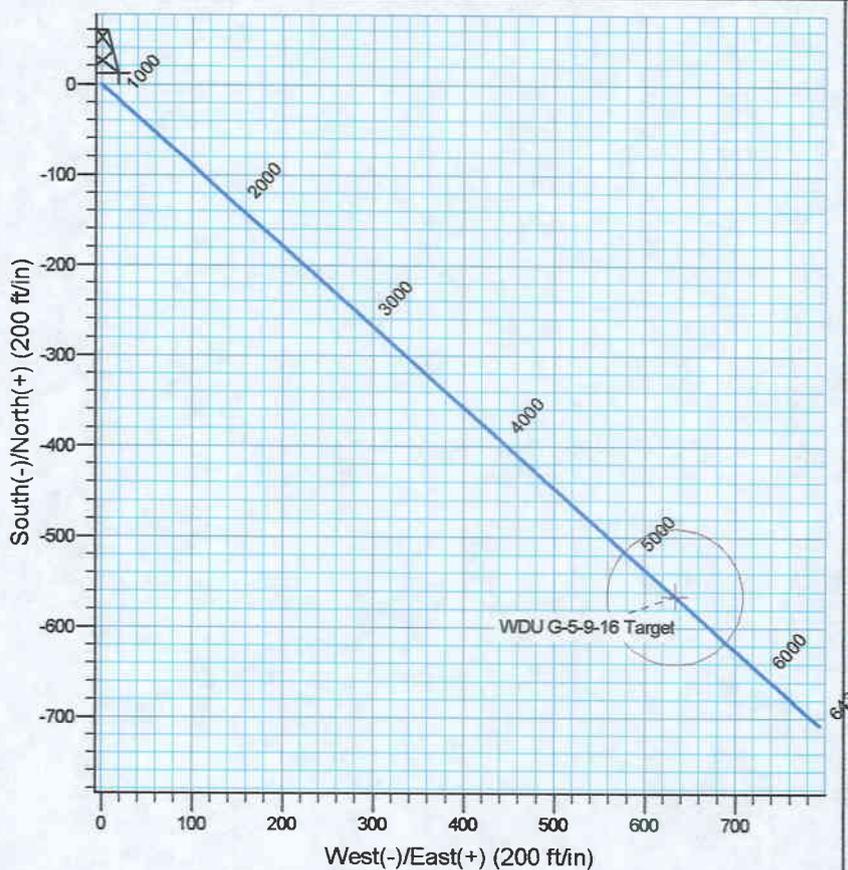
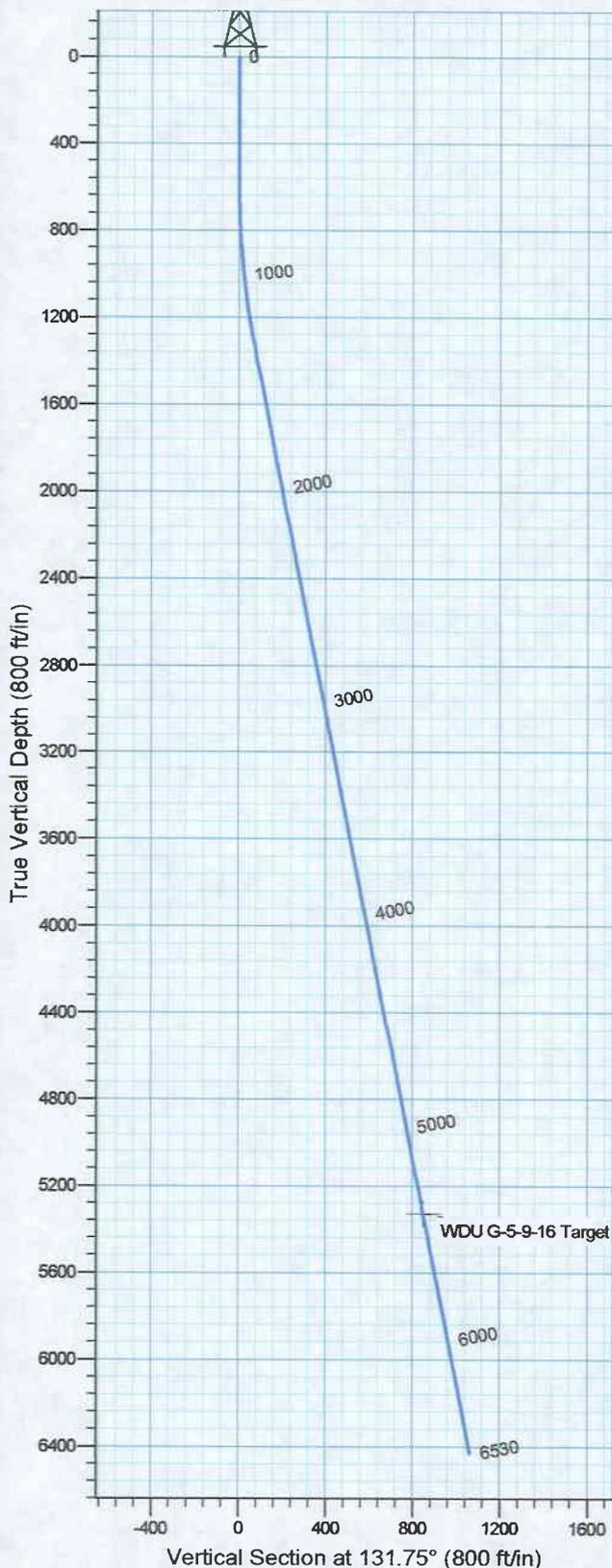
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



WELL DETAILS: Wells Draw Unit G-5-9-16

GL 5815' & RKB 12' @ 5827.00ft		5815.00	
+N-S	+E-W	Northing	Easting
0.00	0.00	7195285.52	2018131.77
		Latitude	Longitude
		40° 3' 54.210 N	110° 9' 1.290 W



FORMATION TOP DETAILS

Formation data is available

Plan: Plan #1 (Wells Draw Unit G-5-9-16/OH)

Created By: Julie Cruse Date: 2006-12-18

PROJECT DETAILS: Duchesne County, UT

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

System Datum: Mean Sea Level  
 Local North: No north reference data is available

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1333.84	11.01	131.75	1329.33	-46.80	52.43	1.50	131.75	70.28	
4	409.49	11.01	131.75	5330.00	-565.00	633.00	0.00	0.00	848.48	WDU G-5-9-16 Target
5	530.11	11.01	131.75	6430.00	-707.48	792.63	0.00	0.00	1062.45	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Wells Draw Unit G-5-9-16**

**Wells Draw Unit G-5-9-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**18 December, 2006**

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

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

<b>Site</b>	Wells Draw Unit G-5-9-16, Sec 5 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,195,285.53 ft	<b>Latitude:</b>	40° 3' 54.210 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.86 °

<b>Well</b>	Wells Draw Unit G-5-9-16, 800' FNL, 672' FWL					
<b>Well Position</b>	<b>+N-S</b>	0.00 ft	<b>Northing:</b>	7,195,285.52 ft	<b>Latitude:</b>	40° 3' 54.210 N
	<b>+E-W</b>	0.00 ft	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty</b>	0.00 ft		<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,815.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2006-12-18	11.92	65.91	52,729

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>
	5,330.00	0.00	0.00	131.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,333.84	11.01	131.75	1,329.33	-46.80	52.43	1.50	1.50	0.00	131.75	
5,409.49	11.01	131.75	5,330.00	-565.00	633.00	0.00	0.00	0.00	0.00	WDU G-5-9-16 Target
6,530.11	11.01	131.75	6,430.00	-707.48	792.63	0.00	0.00	0.00	0.00	

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**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	131.75	699.99	-0.87	0.98	1.31	1.50	1.50	0.00
800.00	3.00	131.75	799.91	-3.49	3.91	5.23	1.50	1.50	0.00
900.00	4.50	131.75	899.69	-7.84	8.78	11.77	1.50	1.50	0.00
1,000.00	6.00	131.75	999.27	-13.93	15.61	20.92	1.50	1.50	0.00
1,100.00	7.50	131.75	1,098.57	-21.76	24.38	32.68	1.50	1.50	0.00
1,200.00	9.00	131.75	1,197.54	-31.32	35.08	47.03	1.50	1.50	0.00
1,300.00	10.50	131.75	1,296.09	-42.59	47.72	63.96	1.50	1.50	0.00
1,333.84	11.01	131.75	1,329.33	-46.80	52.43	70.28	1.50	1.50	0.00
1,400.00	11.01	131.75	1,394.28	-55.21	61.85	82.91	0.00	0.00	0.00
1,500.00	11.01	131.75	1,492.44	-67.92	76.10	102.00	0.00	0.00	0.00
1,600.00	11.01	131.75	1,590.60	-80.64	90.34	121.10	0.00	0.00	0.00
1,700.00	11.01	131.75	1,688.76	-93.35	104.59	140.19	0.00	0.00	0.00
1,800.00	11.01	131.75	1,786.92	-106.07	118.83	159.28	0.00	0.00	0.00
1,900.00	11.01	131.75	1,885.08	-118.78	133.08	178.38	0.00	0.00	0.00
2,000.00	11.01	131.75	1,983.24	-131.50	147.32	197.47	0.00	0.00	0.00
2,100.00	11.01	131.75	2,081.40	-144.21	161.57	216.57	0.00	0.00	0.00
2,200.00	11.01	131.75	2,179.56	-156.93	175.81	235.66	0.00	0.00	0.00
2,300.00	11.01	131.75	2,277.72	-169.64	190.06	254.75	0.00	0.00	0.00
2,400.00	11.01	131.75	2,375.88	-182.35	204.30	273.85	0.00	0.00	0.00
2,500.00	11.01	131.75	2,474.04	-195.07	218.55	292.94	0.00	0.00	0.00
2,600.00	11.01	131.75	2,572.20	-207.78	232.79	312.04	0.00	0.00	0.00
2,700.00	11.01	131.75	2,670.36	-220.50	247.04	331.13	0.00	0.00	0.00
2,800.00	11.01	131.75	2,768.52	-233.21	261.28	350.22	0.00	0.00	0.00
2,900.00	11.01	131.75	2,866.68	-245.93	275.53	369.32	0.00	0.00	0.00
3,000.00	11.01	131.75	2,964.84	-258.64	289.77	388.41	0.00	0.00	0.00
3,100.00	11.01	131.75	3,063.00	-271.36	304.02	407.51	0.00	0.00	0.00
3,200.00	11.01	131.75	3,161.16	-284.07	318.26	426.60	0.00	0.00	0.00
3,300.00	11.01	131.75	3,259.32	-296.79	332.51	445.69	0.00	0.00	0.00
3,400.00	11.01	131.75	3,357.48	-309.50	346.75	464.79	0.00	0.00	0.00
3,500.00	11.01	131.75	3,455.64	-322.22	361.00	483.88	0.00	0.00	0.00
3,600.00	11.01	131.75	3,553.80	-334.93	375.24	502.97	0.00	0.00	0.00
3,700.00	11.01	131.75	3,651.96	-347.64	389.49	522.07	0.00	0.00	0.00
3,800.00	11.01	131.75	3,750.12	-360.36	403.73	541.16	0.00	0.00	0.00
3,900.00	11.01	131.75	3,848.28	-373.07	417.97	560.26	0.00	0.00	0.00
4,000.00	11.01	131.75	3,946.44	-385.79	432.22	579.35	0.00	0.00	0.00
4,100.00	11.01	131.75	4,044.60	-398.50	446.46	598.44	0.00	0.00	0.00
4,200.00	11.01	131.75	4,142.76	-411.22	460.71	617.54	0.00	0.00	0.00
4,300.00	11.01	131.75	4,240.92	-423.93	474.95	636.63	0.00	0.00	0.00
4,400.00	11.01	131.75	4,339.08	-436.65	489.20	655.73	0.00	0.00	0.00
4,500.00	11.01	131.75	4,437.24	-449.36	503.44	674.82	0.00	0.00	0.00
4,600.00	11.01	131.75	4,535.40	-462.08	517.69	693.91	0.00	0.00	0.00
4,700.00	11.01	131.75	4,633.56	-474.79	531.93	713.01	0.00	0.00	0.00
4,800.00	11.01	131.75	4,731.72	-487.51	546.18	732.10	0.00	0.00	0.00
4,900.00	11.01	131.75	4,829.88	-500.22	560.42	751.20	0.00	0.00	0.00
5,000.00	11.01	131.75	4,928.04	-512.93	574.67	770.29	0.00	0.00	0.00
5,100.00	11.01	131.75	5,026.20	-525.65	588.91	789.38	0.00	0.00	0.00
5,200.00	11.01	131.75	5,124.36	-538.36	603.16	808.48	0.00	0.00	0.00

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	11.01	131.75	5,222.52	-551.08	617.40	827.57	0.00	0.00	0.00
5,400.00	11.01	131.75	5,320.68	-563.79	631.65	846.67	0.00	0.00	0.00
5,409.49	11.01	131.75	5,330.00	-565.00	633.00	848.48	0.00	0.00	0.00
<b>WDU G-5-9-16 Target</b>									
5,500.00	11.01	131.75	5,418.84	-576.51	645.89	865.76	0.00	0.00	0.00
5,600.00	11.01	131.75	5,517.00	-589.22	660.14	884.85	0.00	0.00	0.00
5,700.00	11.01	131.75	5,615.16	-601.94	674.38	903.95	0.00	0.00	0.00
5,800.00	11.01	131.75	5,713.32	-614.65	688.63	923.04	0.00	0.00	0.00
5,900.00	11.01	131.75	5,811.49	-627.37	702.87	942.14	0.00	0.00	0.00
6,000.00	11.01	131.75	5,909.65	-640.08	717.12	961.23	0.00	0.00	0.00
6,100.00	11.01	131.75	6,007.81	-652.80	731.36	980.32	0.00	0.00	0.00
6,200.00	11.01	131.75	6,105.97	-665.51	745.61	999.42	0.00	0.00	0.00
6,300.00	11.01	131.75	6,204.13	-678.22	759.85	1,018.51	0.00	0.00	0.00
6,400.00	11.01	131.75	6,302.29	-690.94	774.10	1,037.60	0.00	0.00	0.00
6,500.00	11.01	131.75	6,400.45	-703.65	788.34	1,056.70	0.00	0.00	0.00
6,530.11	11.01	131.75	6,430.00	-707.48	792.63	1,062.45	0.00	0.00	0.00

## Targets

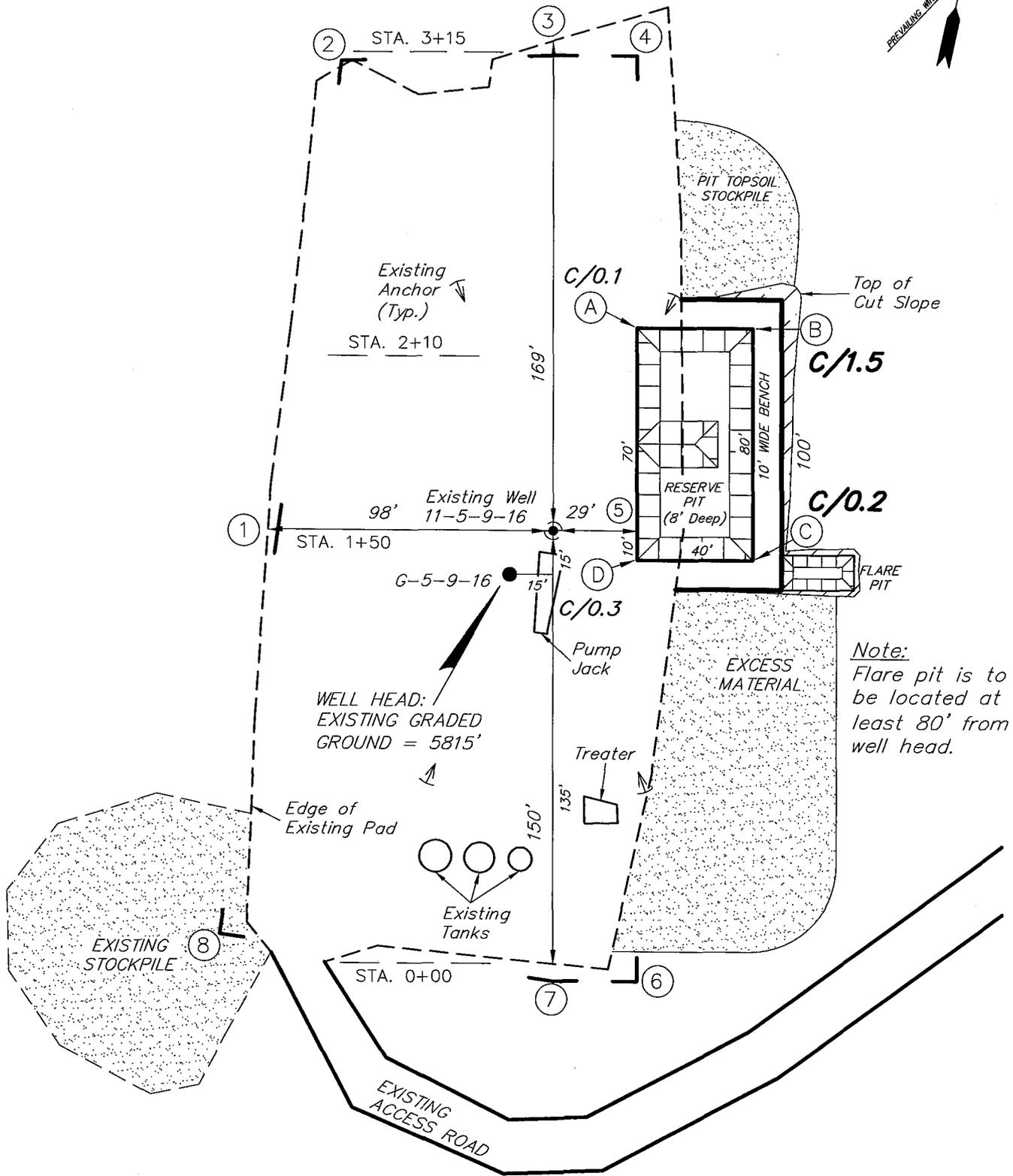
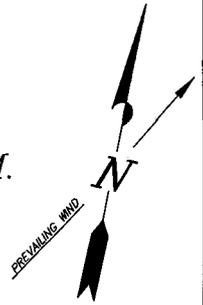
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
WDU G-5-9-16 Target	0.00	0.00	5,330.00	-565.00	633.00	7,194,730.14	2,018,773.22	40° 3' 48.626 N	110° 8' 53.148 W
- hit/miss target									
- Shape									
- plan hits target									
- Circle (radius 75.00)									

# NEWFIELD PRODUCTION COMPANY

WELLS DRAW UNIT G-5-9-16 (Proposed Well)

WELLS DRAW UNIT 11-5-9-16 (Existing Well)

Pad Location: Lot 4 Section 5, T9S, R16E, S.L.B.&M.



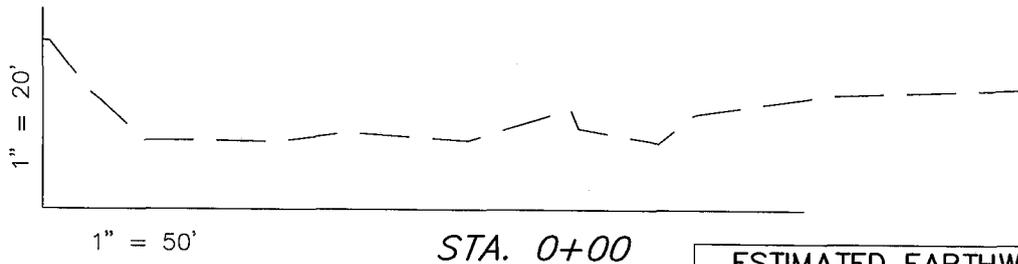
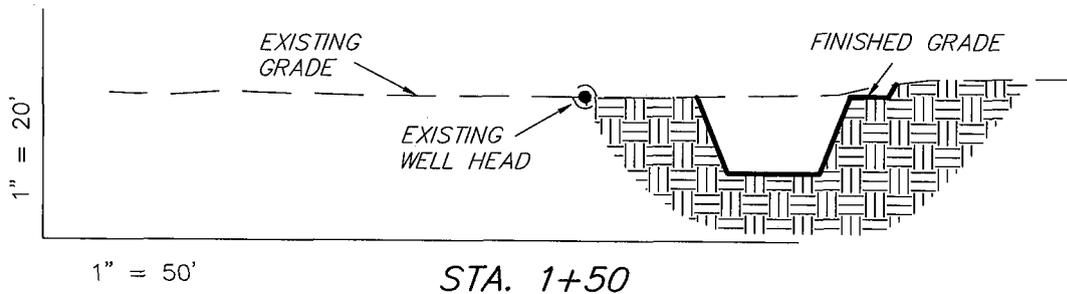
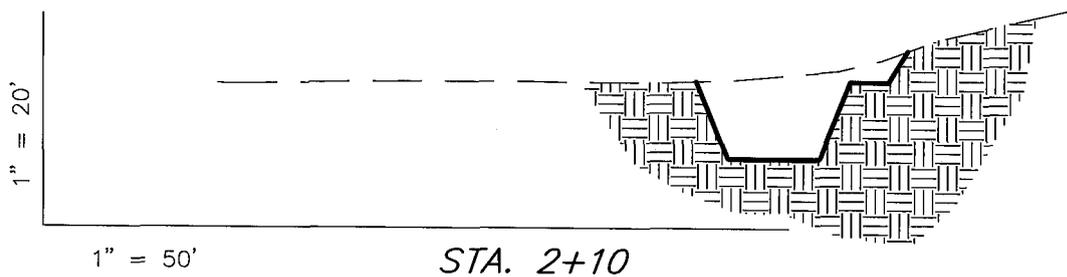
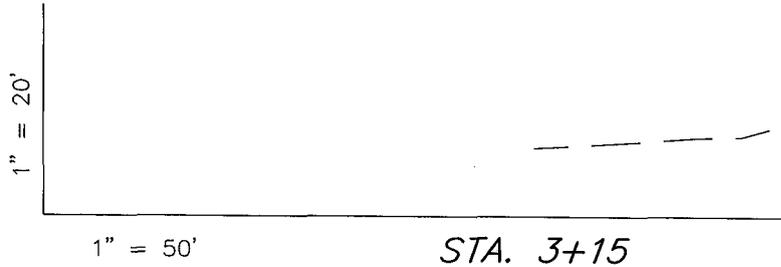
*Note:*  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	SCALE: 1" = 50'	<b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: T.C.J.	DATE: 11-21-06	

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

WELLS DRAW UNIT G-5-9-16 (Proposed Well)  
 WELLS DRAW UNIT 11-5-9-16 (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	30	30	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	670	30	130	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

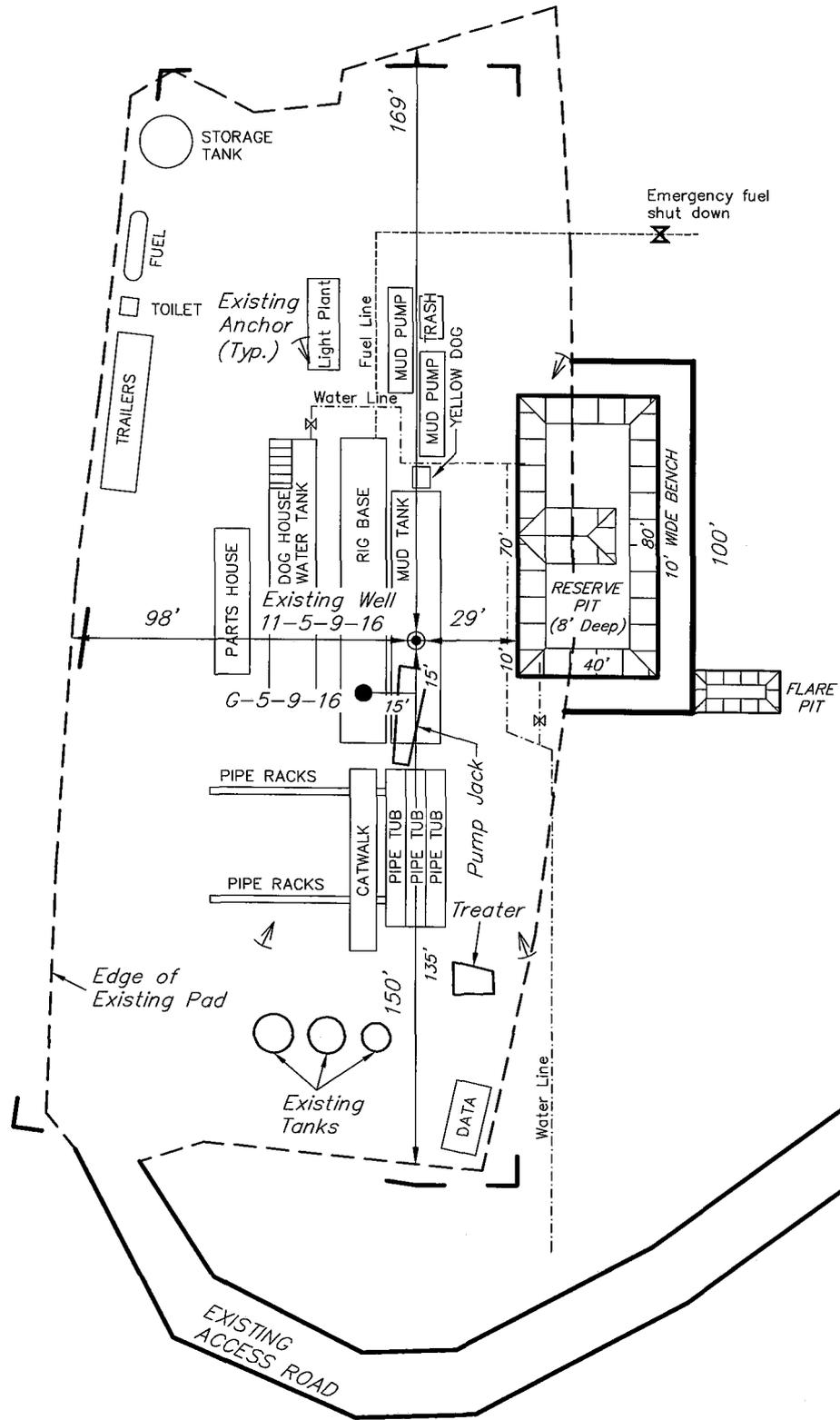
DATE: 11-21-06

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

WELLS DRAW UNIT G-5-9-16 (Proposed Well)  
 WELLS DRAW UNIT 11-5-9-16 (Existing Well)



REVISED:

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: T.C.J.

DATE: 11-21-06

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

# Newfield Production Company Proposed Site Facility Diagram

Wells Draw Federal G-5-9-16

From the 11-5-9-16 Location

NW/NW Sec. 5 T9S, 16E

Duchesne County, Utah

UTU-30096

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

**Production Phase:**

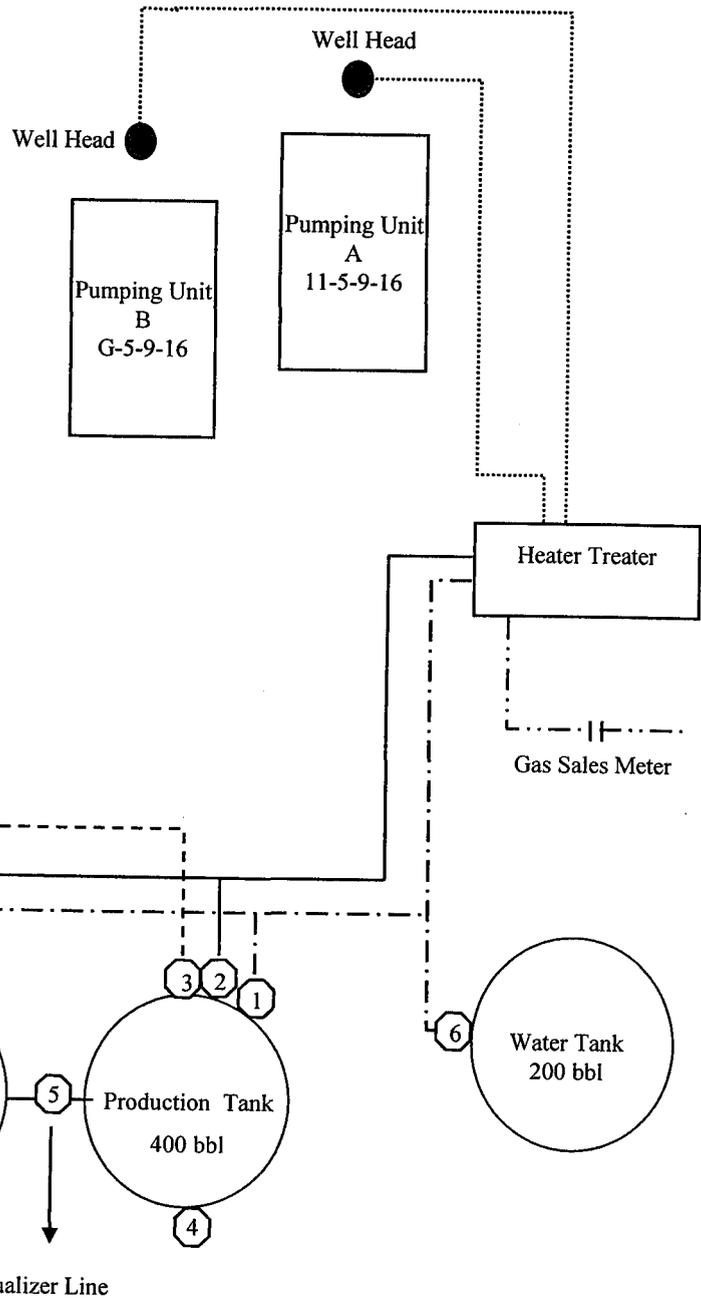
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

**Sales Phase:**

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

**Draining Phase:**

- 1) Valves 1 and 6 open



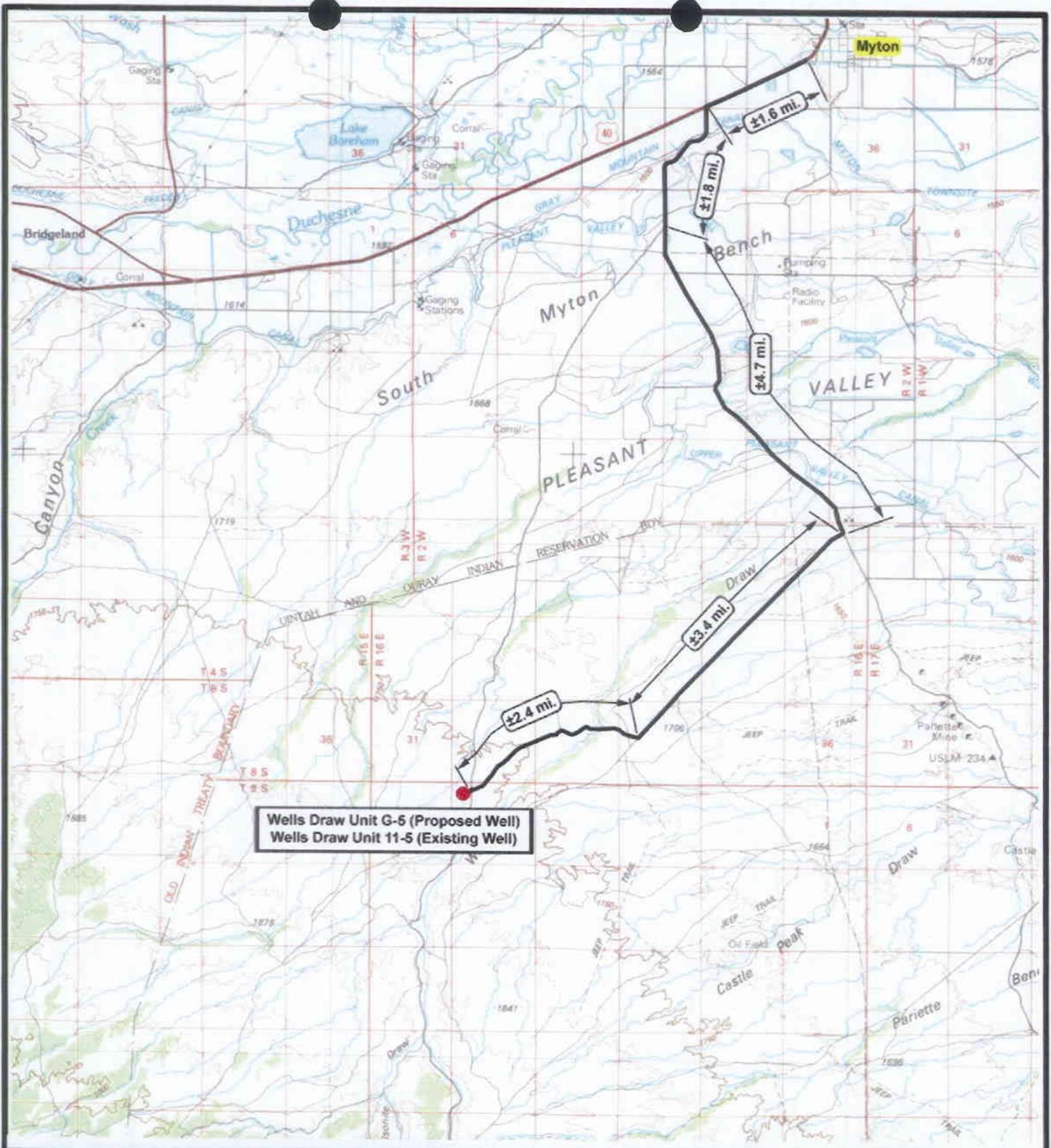
← Diked Section

Load Rack

**Legend**

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

← 143' →



Wells Draw Unit G-5 (Proposed Well)  
 Wells Draw Unit 11-5 (Existing Well)

**NEWFIELD**  
 Exploration Company

**Well Draw Unit G-5-9-16 (Proposed Well)**  
**Well Draw Unit 11-5-9-16 (Existing Well)**  
 Pad Location: NWNW SEC. 5, T9S, R16E, S.L.B.&M.



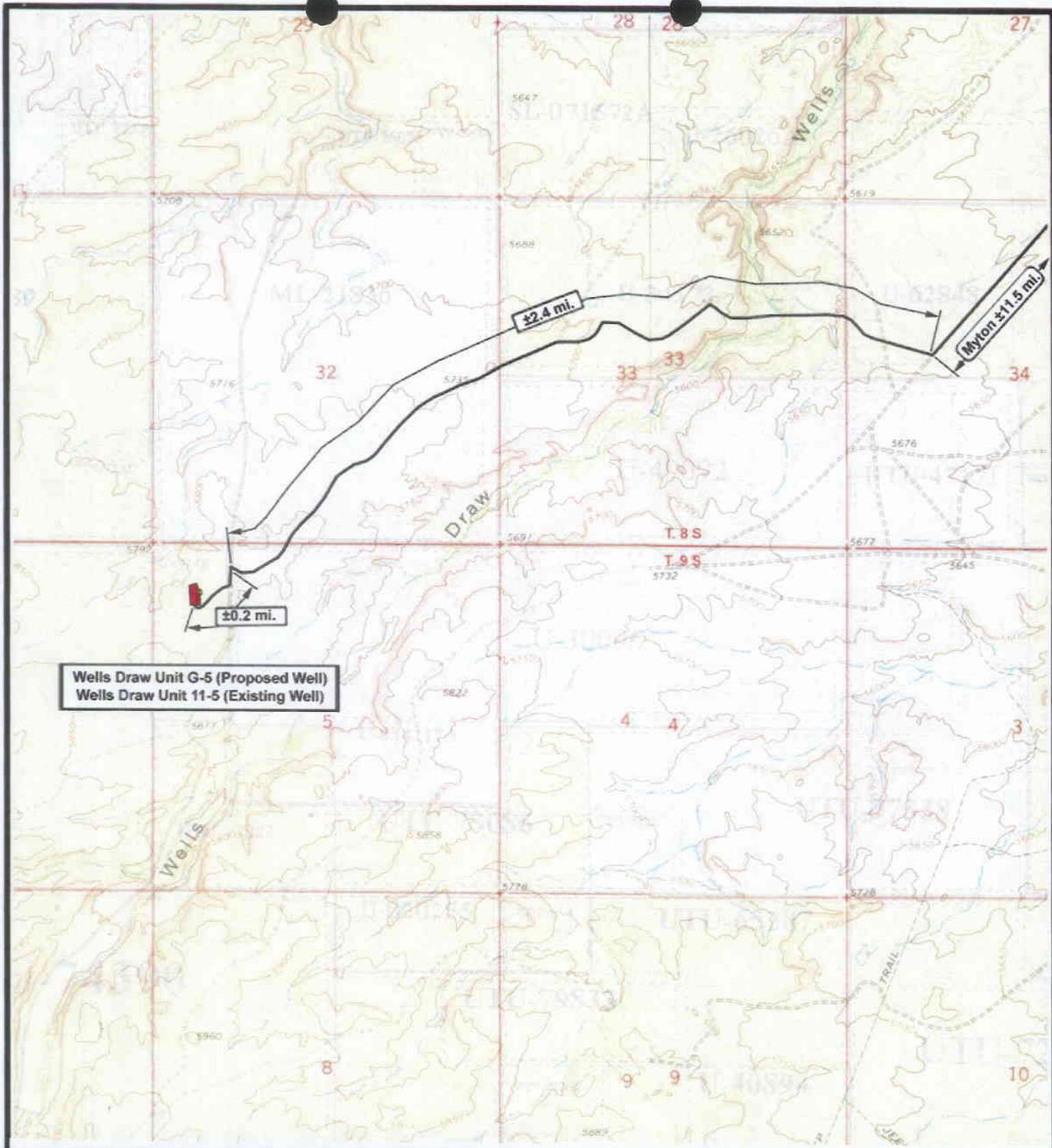
*Tri-State*  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: mw  
 DATE: 11-22-2006

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**



Wells Draw Unit G-5 (Proposed Well)  
 Wells Draw Unit 11-5 (Existing Well)



**NEWFIELD**  
 Exploration Company

**Well Draw Unit G-5-9-16 (Proposed Well)**  
**Well Draw Unit 11-5-9-16 (Existing Well)**  
 Pad Location: NWNW SEC. 5, T9S, R16E, S.L.B.&M.



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

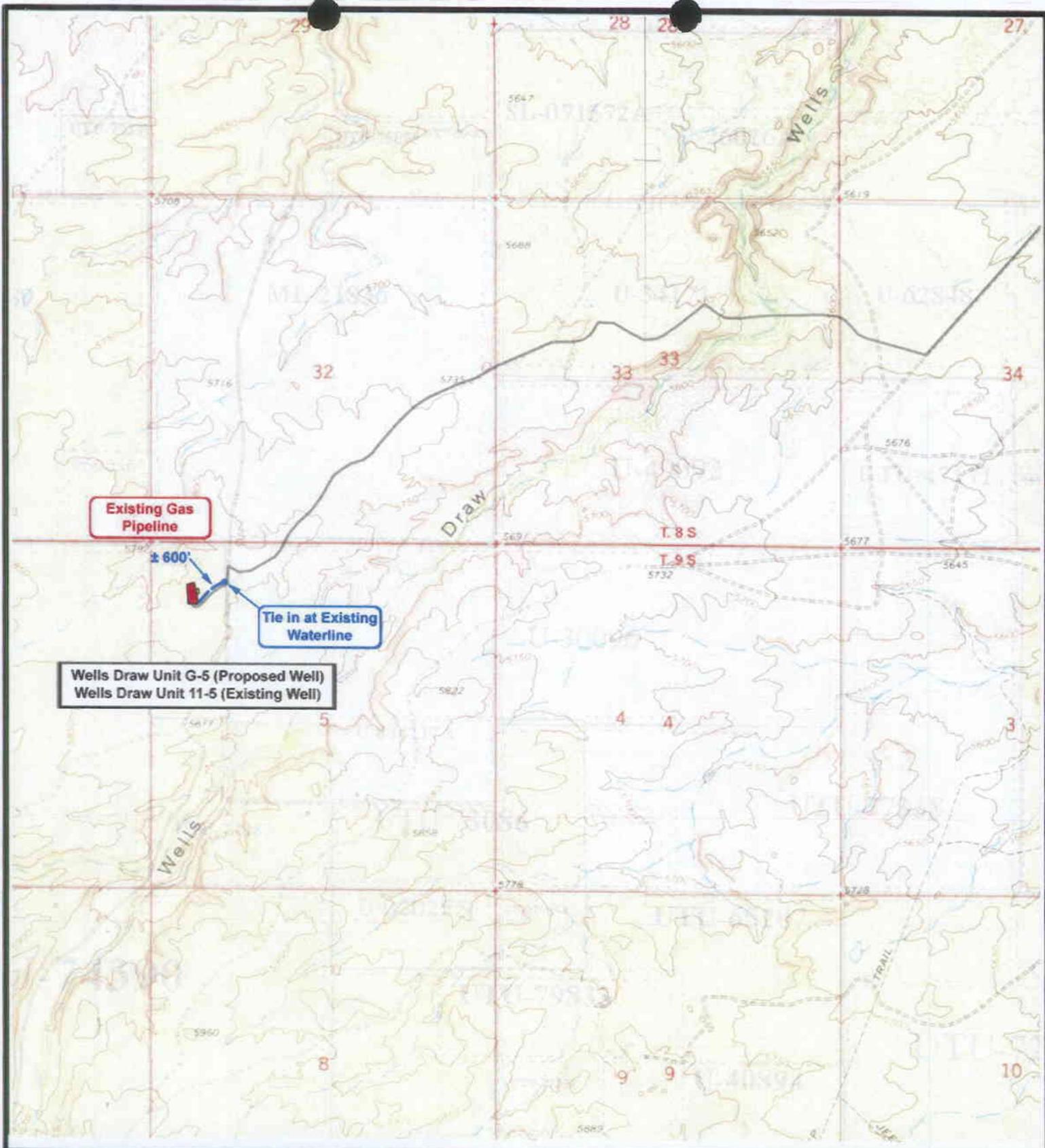
SCALE: 1" = 2000'  
 DRAWN BY: mw  
 DATE: 11-22-2006

**Legend**

Existing Road

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

**Well Draw Unit G-5-9-16 (Proposed Well)**  
**Well Draw Unit 11-5-9-16 (Existing Well)**  
 Pad Location: NWNW SEC. 5, T9S, R16E, S.L.B.&M.



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

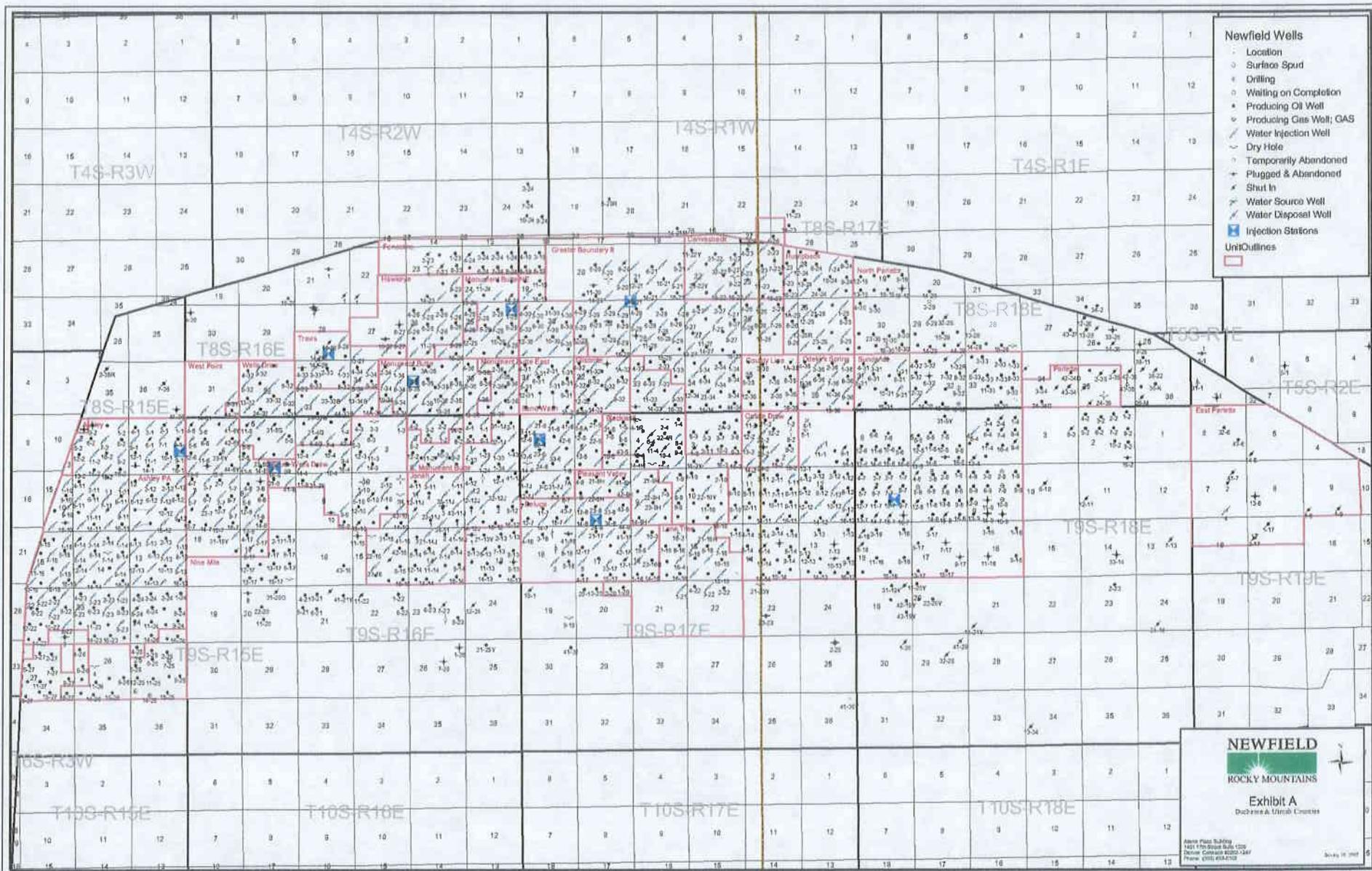
SCALE: 1" = 2000'  
 DRAWN BY: mw  
 DATE: 11-22-2006

**Legend**

- Roads
- Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**



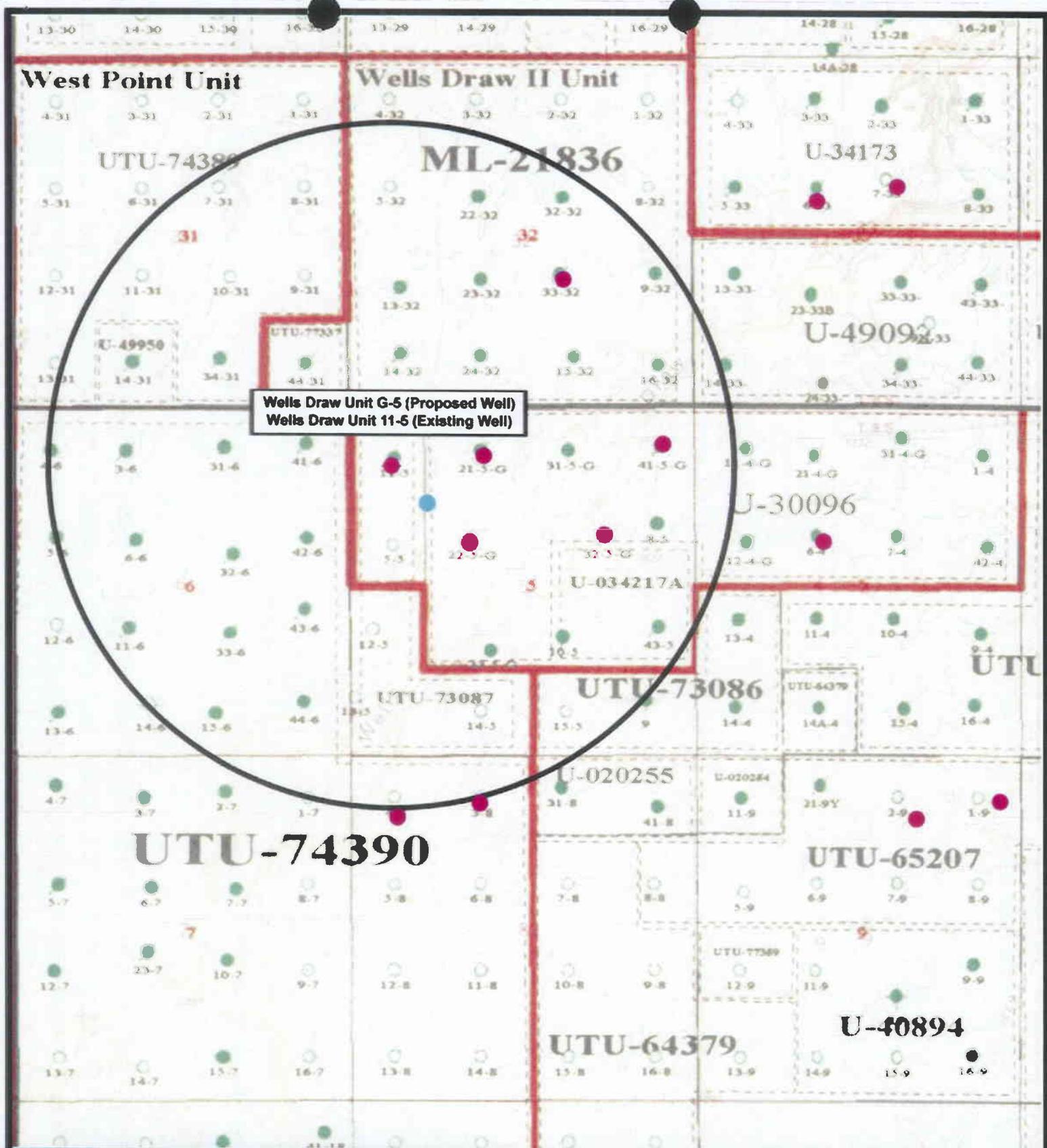
- Newfield Wells**
- Location
  - Surface Spud
  - Drilling
  - Welltop on Completion
  - Producing Oil Well
  - Producing Gas Well; GAS
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection Stations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

**NEWFIELD**  
 ROCKY MOUNTAINS

**Exhibit A**  
 Ducthess & Utzsch Counties

State Plant Building  
 1401 17th Street, Suite 100  
 Denver, Colorado 80202-1407  
 Phone: (303) 654-1100

Scale: 1" = 100'



**NEWFIELD**  
Exploration Company



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

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

**Well Draw Unit G-5-9-16 (Proposed Well)**  
**Well Draw Unit 11-5G-9-16 (Existing Well)**  
 Pad Location: NWNW SEC. 5, T9S, R16E, S.L.B.&M.

**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 11-22-2006**

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

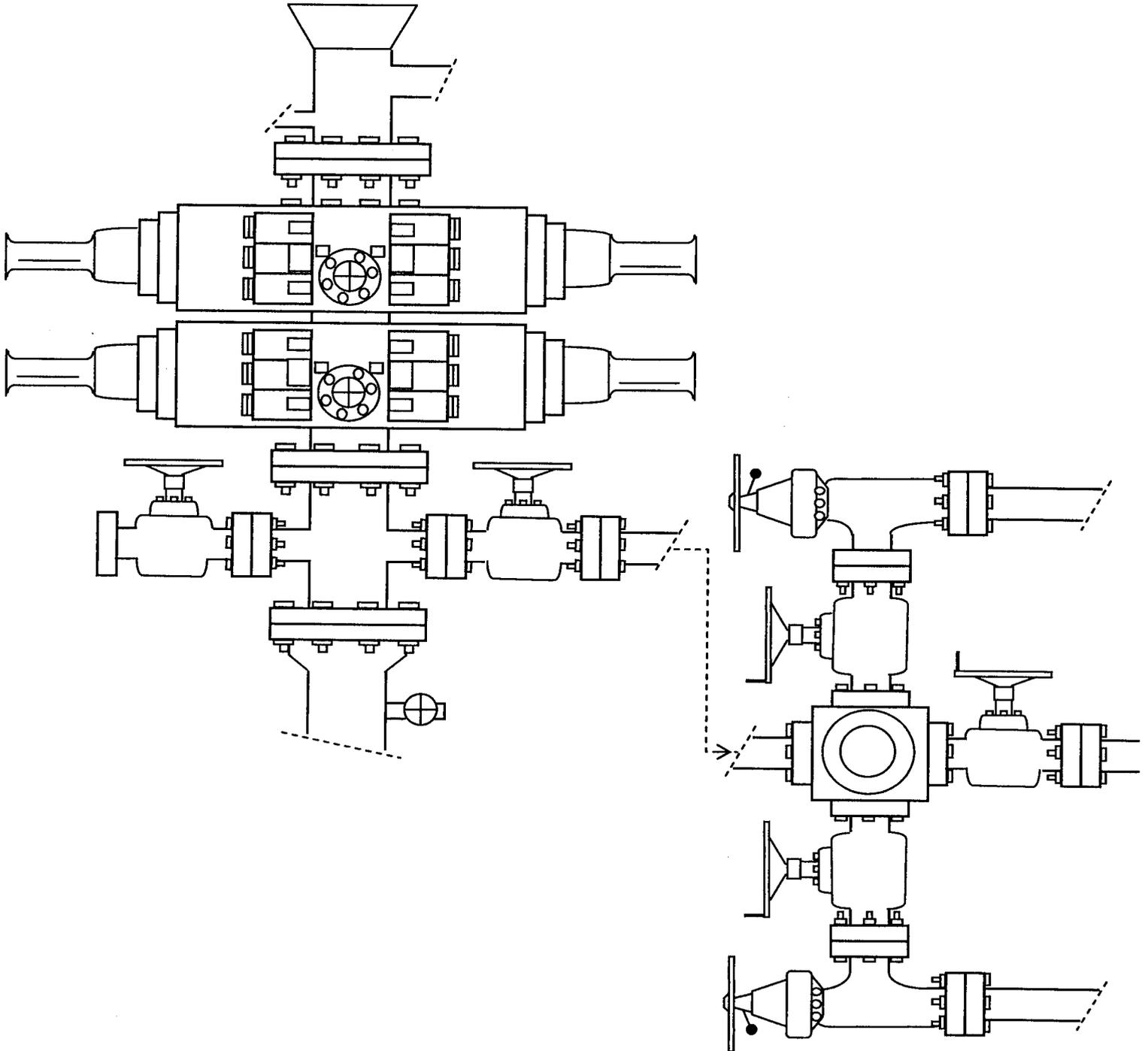


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/22/2007

API NO. ASSIGNED: 43-013-33519

WELL NAME: W DRAW FED G-5-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

NNNW 05 090S 160E  
 SURFACE: 0800 FNL 0672 FWL  
 BOTTOM: 1322 FNL 1323 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.06501 LONGITUDE: -110.1496  
 UTM SURF EASTINGS: 572524 NORTHINGS: 4435109  
 FIELD NAME: MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-30096  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

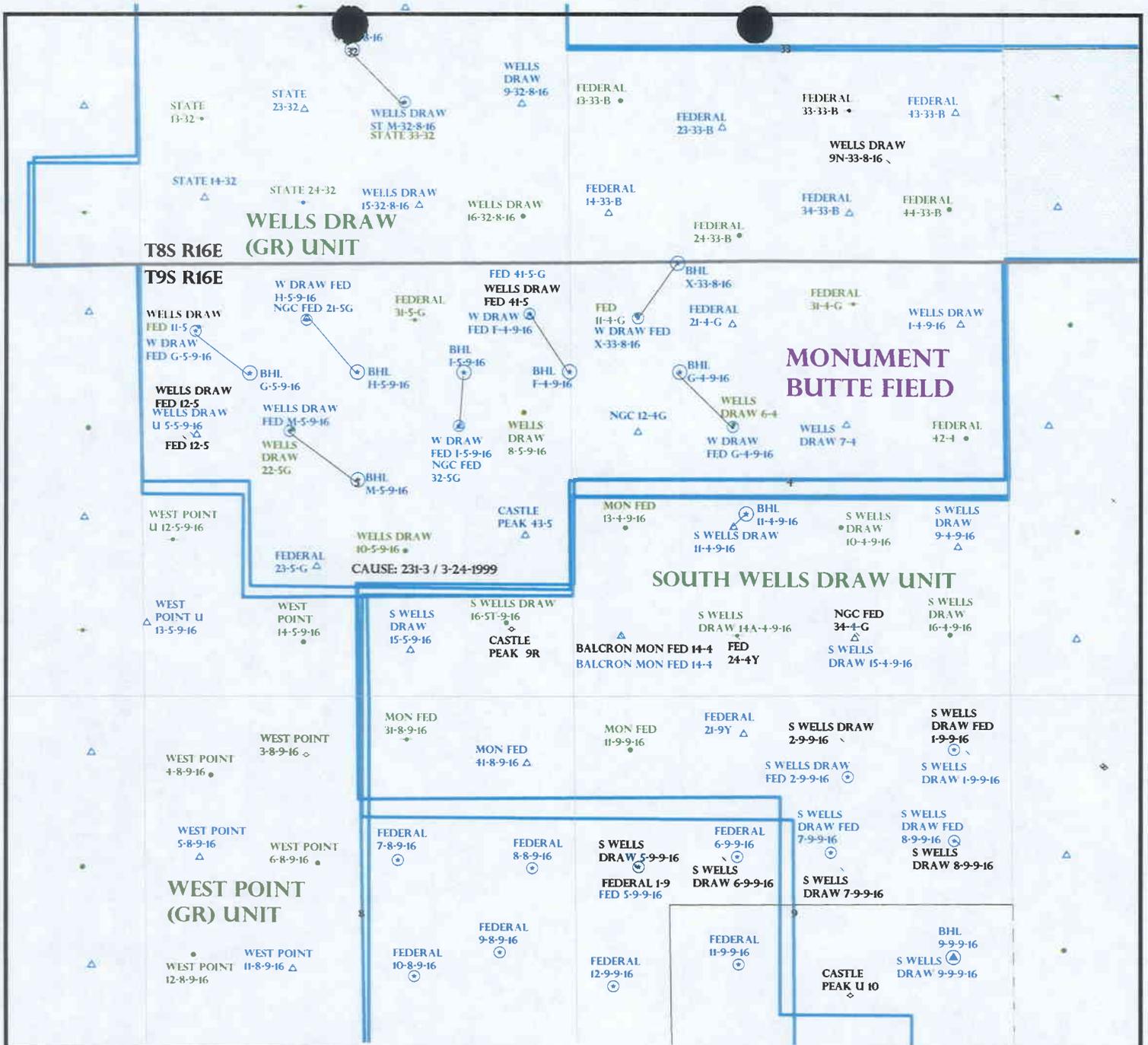
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: WELLS DRAW (GREEN RIVER)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 231-3  
Eff Date: 3-24-1999  
Siting: Suspends General Siting
- R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1. Sealed Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 4,5 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 231-3 / 3-24-1999

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

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 24-JANUARY-2007

**NEWFIELD**



January 18, 2007

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

Re: Directional Drilling R649-3-11  
Wells Draw Unit UTU-72613A  
Various Wells & Locations (See Attached)  
Duchesne County, Utah

Dear Ms.Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill dated 01/18/07 (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Wells Draw Unit UTU-72613A. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Wells Draw Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Wells Draw Unit.

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

Sincerely,

**Newfield Production Company**

Rhonda Deimer  
Land Associate

**RECEIVED**

**JAN 24 2007**

Enclosures

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

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT  
WELLS DRAW UNIT UTU-72613A  
DUCHESNE COUNTY, UTAH**

Wells Draw Federal X-33-8-16

BLM Lease # U-30096 (surface) & U-49092 (bottomhole)  
669' FNL, 818' FWL Sec. 4-9S-16E (at surface)  
0' FSL, 1320' FWL Sec. 33-8S-16E (bottomhole)

Wells Draw Federal F-4-9-16

BLM Lease # U-30096 (surface & bottomhole)  
612' FNL, 514' FEL Sec. 5-9S-16E (at surface)  
1329' FNL, 0' FWL Sec. 4-9S-16E (bottomhole)

Wells Draw Federal G-4-9-16

BLM Lease # U-30096 (surface & bottomhole)  
1994' FNL, 1964' FWL Sec. 4-9S-16E (at surface)  
1331' FNL, 1319' FWL Sec. 4-9S-16E (bottomhole)

Wells Draw Federal G-5-9-16

BLM Lease # U-69744 (surface) & U-30096 (bottomhole)  
800' FNL, 672' FWL Sec. 5-9S-16E (at surface)  
1322' FNL, 1323' FWL Sec. 5-9S-16E (bottomhole)

Wells Draw Federal H-5-9-16

BLM Lease # U-30096 (surface & bottomhole)  
677' FNL, 2031' FWL Sec. 5-9S-16E (at surface)  
1323' FNL, 2646' FWL Sec. 5-9S-16E (bottomhole)

Wells Draw Federal I-5-9-16

BLM Lease # U-30096 (surface & bottomhole)  
1978' FNL, 1388' FEL Sec. 5-9S-16E (at surface)  
1326' FNL, 1323' FEL Sec. 5-9S-16E (bottomhole)

**RECEIVED**

**JAN 24 2007**

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

# 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)

January 29, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2007 Plan of Development Wells Draw Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Wells Draw Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33515	Wells Draw Fed X-33-8-16 Sec 04 T09S R16E 0669 FNL 0818 FWL BHL Sec 33 T08S R16E 0000 FSL 1320 FWL	
43-013-33518	Wells Draw Fed G-04-9-16 Sec 04 T09S R16E 1994 FNL 1964 FWL BHL Sec 04 T09S R16E 1331 FNL 1319 FWL	
43-013-33517	Wells Draw Fed F-04-9-16 Sec 05 T09S R16E 0612 FNL 0514 FEL BHL Sec 04 T09S R16E 1329 FNL 0000 FWL	
43-013-33519	Wells Draw Fed G-05-9-16 Sec 05 T09S R16E 0800 FNL 0672 FWL BHL Sec 05 T09S R16E 1322 FNL 1323 FWL	
43-013-33520	Wells Draw Fed H-05-9-16 Sec 05 T09S R16E 0677 FNL 2031 FWL BHL Sec 05 T09S R16E 1323 FNL 2646 FWL	
43-013-33521	Wells Draw Fed I-05-9-16 Sec 05 T09S R16E 1978 FNL 1388 FEL BHL Sec 05 T09S R16E 1326 FNL 1323 FEL	

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

/s/ Michael L. Coulthard



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

January 29, 2007

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

Re: Wells Draw Federal G-5-9-16 Well, Surface Location 800' FNL, 672' FWL,  
NW NW, Sec. 5, T. 9 South, R. 16 East, Bottom Location 1322' FNL,  
1323' FWL, NW NW, Sec. 5, T. 9 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 43-013-33519.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** Wells Draw Federal G-5-9-16  
**API Number:** 43-013-33519  
**Lease:** UTU-30096

**Surface Location:** NW NW      **Sec.** 5      **T.** 9 South      **R.** 16 East  
**Bottom Location:** NW NW      **Sec.** 5      **T.** 9 South      **R.** 16 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

RECEIVED  
VERNAL FIELD OFFICE  
JAN 19 2007

Form 3160-3  
(September 2001)

DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		9. Lease Serial No. UTU-69744
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Wells Draw Unit
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Wells Draw Federal G-5-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 800' FNL 672' FWL At proposed prod. zone NW/NW 1322' FNL 1323' FWL		9. API Well No. 43-013-33519
14. Distance in miles and direction from nearest town or post office* Approximatley 14.1 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2' f/lse, 1323' f/unit	16. No. of Acres in lease 80.08	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 5, T9S R16E Lot 4
17. Spacing Unit dedicated to this well 20 Acres	12. County or Parish Duchesne	13. State UT
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1224'	19. Proposed Depth 6430'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5815' GL	22. Approximate date work will start* 2nd Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/18/07
Title Regulatory Specialist		

Approved by (Signature) 	Name (Printed/Typed) Janet Newicka	Date 10-2-2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

OCT 10 2007

DIV. OF OIL, GAS & MINING



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

170 South 500 East      VERNAL, UT 84078      (435) 781-4400



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

**Company:** Newfield Production Company  
**Well No:** Wells Draw Federal G-5-9-16  
**API No:** 43-013-33519

**Location:** Lot 4, Sec 5, T9S, R16E  
**Lease No:** UTU-69744  
**Agreement:** Wells Draw Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro 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 Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	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)**

**General Surface Stipulations:**

- 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.

**Specific Surface Stipulations:**

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Lands in this lease have been identified as containing Golden Eagle, Ferruginous Hawk, and Mountain Plover habitats. Modifications to the Surface Use Plan of Operations will be required in order to protect this wildlife from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Timing Limitations (for construction and drilling):

**TIME RESTRICTION**

**REASON**

**February 1 through July 15**  
**March 1 through July 15**  
**May 15 through June 15**

Golden Eagle nesting season  
Ferruginous Hawk nesting period  
Mountain Plover habitat nesting season.

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.

- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The following seed mix (PLS formula) will be used for interim reclamation:

Shadscale ( <i>Atriplex confertifolia</i> )	3 lbs/acre
Galleta Grass ( <i>Hilaria jamesii</i> )	6 lbs/acre

  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

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

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

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

## OPERATING REQUIREMENT REMINDERS:

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

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

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

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: W DRAW FED G-5-9-16

Api No: 43-013-33519 Lease Type: FEDERAL

Section 05 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 12/17/07

Time 4:00 PM

How DRY

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

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 12/18/07 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone    (include are code)  
 435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 800 FNL 672 FWL  
 NWNW Section 5 T9S R16E

5. Lease Serial No.  
 USA UTU-69744

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 WELLS DRAW UNIT

8. Well Name and No.  
 WELLS DRAW FEDERAL G-5-9-16

9. API Well No.  
 4301333519

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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 12/17/07 MIRU Ross Rig # 21. Spud well! @ 4:00 PM. Drill 300' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 292.75 KB On 1/2/08 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) Alvin Nielsen	Title Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 01/04/2008

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

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

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

(Instructions on reverse)

**RECEIVED**

**JAN 07 2008**

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

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 292.75

LAST CASING 8 5/8" set @ 292.75  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 300' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL WD Federal G-5-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 21

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.74'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	280.9
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			282.75
TOTAL LENGTH OF STRING		282.9	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>292.75</b>
TOTAL		282.9	7				
TOTAL CSG. DEL. (W/O THRDS)		282.9	7	} COMPARE			

TIMING	1ST STAGE			GOOD CIRC THRU JOB	YES
BEGIN RUN CSG.	Spud	12/17/2007	4:00 PM		
CSG. IN HOLE		12/18/2007	3:00 PM	Bbls CMT CIRC TO SURFACE	5
BEGIN CIRC		1/2/2008	12:32 PM	RECIPROCATED PIPE FOR	N/A
BEGIN PUMP CMT		1/2/2008	12:45 PM		
BEGIN DSPL. CMT		1/2/2008	1:16 PM	BUMPED PLUG TO	500
PLUG DOWN		1/2/2008	1:22 PM		PSI

STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Alvin Nielse DATE 1/2/2008

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

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
 ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO.           N2695          

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16605	4304739942	UTE TRIBAL 6-8-5-2E	SEW NESW	8	5S	2E	UINTAH	12/28/2007	1/17/08
WELL 5 COMMENTS: <i>GRRV 4304739412</i>											
AB	99999	12276	4301333519	WELLS DRAW G-5-9-16	NW NESW	5	9S	16E	UINTAH	12/17/2007	1/17/08
WELL 5 COMMENTS: <i>GRRV BHL NWNW</i>											
A	99999	16606	4304739332	UTE TRIBAL 12-35-4-1E	NW NENE	35	4S	1E	UINTAH	12/11/2007	1/17/08
WELL 5 COMMENTS: <i>GRRV 4304739409</i>											
AB	99999	12417	4301333303	LONETREE FEDERAL 6-22-9-17	SE NESW	22	9S	17E	UINTAH	11/29/2007	1/17/08
WELL 5 COMMENTS: <i>GRRV</i>											
WELL 5 COMMENTS: <i> </i>											
WELL 5 COMMENTS: <i> </i>											

ACTION CODES (See instructions on back of form)  
 A - 1 new entry for new well (single well only)  
 B - well to existing entry (group or unit well)  
 C - from one existing entry to another existing entry  
 D - well from one existing entry to a new entry  
 E - other (explain in comments section)

RECEIVED  
 JAN 02 2008

*Tammie Lee*  
 Signature  
 Tammie Lee  
 Production Clerk  
 01/02/08  
 Date

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
USA UTU-69744

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
WELLS DRAW UNIT

8. Well Name and No.  
WELLS DRAW FEDERAL G-5-9-16

9. API Well No.  
4301333519

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
800 FNL 672 FWL  
NWNW Section 5 T9S R16E

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

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

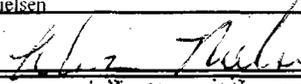
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths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

On 1/31/08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 248'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,435' & a TVD of 6339'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 147 jt's of 5.5 J-55, 15 5# csgn. Set @ 6419.52' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 60 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 72,000 #'s tension. Release rig 2:30 AM 2/9/08.

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

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

02/10/2008

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

Approved by

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

Title

Office

Date

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 reports, or to omit to state any material information so as to in any way to defraud or to attempt to defraud any such department or agency.

(Instructions on reverse)

**RECEIVED**

**FEB 12 2008**

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

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING SET AT 6419.52

Flt clr @ 6376.89

LAST CASING 8 5/8" SET # 292.75'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL WD Federal G-5-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI #2

TD DRILLER 6435 Loggers 6420'

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt</b> 4084' (6.22')					
147	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6362.89
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	43.38
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6421.52
TOTAL LENGTH OF STRING		6421.52	148	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		434.06	10	CASING SET DEPTH			<b>6419.52</b>
TOTAL		<b>6840.33</b>	158	} COMPARE			
TOTAL CSG DEL. (W/O THRDS)		6840.33	158				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		2/8/2008	1:00 PM	GOOD CIRC THRU JOB			YES
CSG IN HOLE		2/8/2008	6:30 PM	Bbls CMT CIRC TO SURFACE			60
BEGIN CIRC		2/8/2008	6:30 PM	RECIPROCATED PIPE FOR			THRUSTROKE NA
BEGIN PUMP CMT		2/8/2008	8:25 PM	DID BACK PRES. VALVE HOLD ?			YES
BEGIN DSPL. CMT		2/8/2008	9:37 PM	BUMPED PLUG TO			2300 PSI
PLUG DOWN		2/8/2008	10:02 PM				

CEMENT USED \_\_\_\_\_ CEMENT COMPANY- **B. J.**

STAGE	# SX	CEMENT TYPE & ADDITIVES
1	350	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT \_\_\_\_\_ SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 2/8/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**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 reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-69744
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address   Route 3 Box 3630 Myton, UT 84052	3b. Phone   (include are code) 435 646 3721	7. If Unit or CA/Agreement, Name and/or WELLS DRAW UNIT
4. Location of Well   (Footage, Sec., T., R., M., or Survey Description) 800 FNL 672 FWL NWNW Section 5 T9S R16E		8. Well Name and No. WELLS DRAW FEDERAL G-5-9-16
		9. API Well No. 4301333519
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		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	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

The above mentioned well went on production 3/14/08. See attached daily activity report.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Tammi Lee	Title Production Clerk
Signature 	Date 03/20/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on reverse)

RECEIVED

MAR 21 2008

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**WLLS DRW G-5-9-16****1/1/2008 To 5/30/2008****2/22/2008 Day: 1****Completion**

Rigless on 2/21/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6328' & cement top @ 50'. Perforate stage #1. CP2 sds @ 5945-54' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. 152 BWTR. SIFN.

**3/1/2008 Day: 2****Completion**

Rigless on 2/29/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP2 sds, stage #1 down casing w/ 25,718#'s of 20/40 sand in 382 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3196 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2424 w/ ave rate of 26.1 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2280. 534 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 9' perf gun. Set plug @ 5750'. Perforate LODC sds @ 5646-55' w/ 3-1/8" Slick Guns (23 gram, .43" HE, 90°) w/ 4 spf for total of 36 shots. RU BJ & frac stage #2 w/ 20,221#'s of 20/40 sand in 331 bbls of Lightning 17 frac fluid. Open well w/ 1800 psi on casing. Perfs broke down @ 3904 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2803 w/ ave rate of 29 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 3150. 865 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 16' perf gun. Set plug @ 5500'. Perforate A1sds @ 5384-5400' w/ 4 spf for total of 64 shots. RU BJ & frac stage #3 w/ 110,173#'s of 20/40 sand in 831 bbls of Lightning 17 frac fluid. Open well w/ 690 psi on casing. Perfs broke down @ 690 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1935 w/ ave rate of 23.2 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2744. 1696 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 5332'. Perforate B1sds @ 5259-68' w/ 4 spf for total of 36 shots. RU BJ & frac stage #4 w/ 15,001#'s of 20/40 sand in 276 bbls of Lightning 17 frac fluid. Open well w/ 1495 psi on casing. Perfs broke down @ 3859 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1976 w/ ave rate of 23.1 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1910. 1972 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10' perf gun. Set plug @ 5090'. Perforate D1sds @ 4980-90' w/ 4 spf for total of 40 shots. RU BJ & frac stage #5 w/ 90,119#'s of 20/40 sand in 969 bbls of Lightning 17 frac fluid. Open well w/ 1197 psi on casing. Perfs broke down @ 4080 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2022 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2193. 2668 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6' perf gun. Set plug @ 4560'. Perforate GB4 sds @ 4454-60' w/ 4 spf for total of 24 shots. RU BJ & frac stage #6 w/ 34,669#'s of 20/40 sand in 381 bbls of Lightning 17 frac fluid. Open well w/ 1686 psi on casing. Perfs broke down @ 2716 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2264 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. ISIP was 2160. 3029 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 8 hours & died w/ 480 bbls rec'd. SIFN.

**3/4/2008 Day: 3****Completion**

Western #1 on 3/3/2008 - MIRUSU. Thaw well out. Open well w/ 100psi on casing. RD Cameron BoP's & 5K frac head. Instal 3K production tbg head & Schaefer BOP's. Unload tbg onto racks. RU new 4-3/4" Chomp bit & bit sub. Tally, pickup & TIH w/ new J-55, 2-7/8", 6.5# tbg to leave EOT @ 3785'. SIFN.

**3/5/2008 Day: 4****Completion**

Western #1 on 3/4/2008 - Thaw well out. Open well w/ 0psi on casing. Continue TIH w/ tbg to

tag sand @ 4444'. RU pump, tanks & swivel. C/O to plug @ 4560'. Drlg out plug #1. TIH w/ tbg to fill @ 4954'. C/O to plug @ 5090'. Drlg out plug #2. TIH w/ tbg to tag fill @ 5274'. C/O 58' of sand to plug @ 5332'. Drlg out plug #3 in 7 minutes. TIH w/ tbg to tag fill @ 5406'. Make a connetion @ 5420' & tbg on suck. Try to pump down casing & took 30 bbls to fill casing. Sasing takes fluid @ 1.5 bpm @ 550 psi. Tbg is stuck, work pipe @ 71,000#'s w/ swivel & pumping 1/2 bpm @ 2400 psi. Work pipe for 4 hours. Flow tbg back, rec'd 10 bbls (stays flowing 1/3 bpm). Took 10 bbls to fill casing( 3.25 bpm @ 550 psi). Line up free point & chemical cutter in morning. SIFN.

---

**3/6/2008 Day: 5**

**Completion**

Western #1 on 3/5/2008 - Thaw well out. Open well w/ 0 psi on casing & 0 on tbg. Work stuck pipe. RU Perforators LLC WLT. RIH w/ free point tool & collar locator. Shows 40% free @ 5300'. RIH w/ cutter & cut free @ 5307'. RD WLT. RU 142.82' of washover pipe & NC. Tag fill @ 5301'. RU swivel, pump & tanks. C/O to 5360'. TOOH to leave EOT @ 4398'. SIFN.

---

**3/7/2008 Day: 6**

**Completion**

Western #1 on 3/6/2008 - Thaw well out. Bleed gas off well. TIH W/ tbg f/ 4398'. Work WP shoe over TOF @ 5307'. Tag fill @ 5360'. RU swivel. C/O fill to bit @ 5420'. Circ hole clean. Lost 185 BW. TOH W/ tbg. Stand back washpipe. MU & TIH W/ 4 1/2" overshot (dressed W/ 2 7/8 basket grapple), X-O, bumper sub, jars, X-O, 2 7/8 tbg sub and tbg. Work onto and latch fish. Fish is moving--dragging 10K over for 3 jts, then pulling free. TOH to 1404'. SIFN W/ est 2734 BWTR.

---

**3/8/2008 Day: 7**

**Completion**

Western #1 on 3/7/2008 - Thaw well out. Bleed gas off well. RU and pump 60 BW dn tbg (no returns). Con't TOH W/ tbg f/ 1404'. LD BHA & fish. RIH and TOH to LD washpipe. TIH W/ bit and tbg. Tag plug @ 5500'. RU power swivel. Pump add'l 45 BW to gain circulation. Con't C/O sd & drill out composite bridge plugs as follows (using conventional circulation): no sd, plug @ 5500' in 45 minutes; sd @ 5641', plug @ 5750' in 25 minutes. Hang back swivel & con't PU tbg. Tag sd @ 6208'. PU swivel. Drill plug remains & sd to 6271'. Circ hole clean. Lost est 220 BW during cleanout (poor returns). Hang back swivel & pull EOT to 6082'. SIFN W/ est 3014 BWTR.

---

**3/11/2008 Day: 8**

**Completion**

Western #1 on 3/10/2008 - Bleed off well. Pump 25 bbls water down tbg. C/O to PBTD @ 6375'. Circulate well clean. Pull up to 6312'. RIH w/ swab. SFL @ surface. Made 9 runs. EFL @ 2300'. Recovered 95 bbls. No oil, trace of sand. RIH w/ tbg. Tag PBTD @ 6375'. Circulate well clean. POOH w/ tbg. LD BHA. RIH 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 188 jts tbg. ND BOP. Set TAC @ 5930' w/ 16,000# tension. NU wellhead. SWIFN.

---

**3/12/2008 Day: 9**

**Completion**

Western #1 on 3/11/2008 - Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 3/4" x 20' RHAC pump, 4- 1 1/2" weight bars, 244- 7/8" guided rods, 1- 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 3 bbls water. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Put well on production @ 12:00 p.m. 121" stroke length, 4 spm. Final Report.

---

**Pertinent Files: Go to File List**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-30096**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Wells Draw Unit

8. FARM OR LEASE NAME, WELL NO.

Wells Draw Federal G-5-9-16

1a. TYPE OF WORK

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

1b. TYPE OF WELL

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

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

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

At Surface **1322' FNL & 1323' FNL (NW/NW) Sec. 5, T9S, R16E**

At top prod. Interval reported below

*800 fml 672 fml  
per DKD review*

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 5, T9S, R16E

At total depth

*1514 fml 1394 fml*

14. API NO.

43-013-33519

DATE ISSUED

01/29/07

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUNDED

12/17/07

16. DATE T.D. REACHED

02/07/08

17. DATE COMPL. (Ready to prod.)

03/11/08

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5815' GL

19. ELEV. CASINGHEAD

5827' KB

20. TOTAL DEPTH, MD & TVD

6435' *6340*

21. PLUG BACK T.D., MD & TVD

6375' *6280*

22. IF MULTIPLE COMPL., HOW MANY\*

----->

23. INTERVALS DRILLED BY

X

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4454'-5954'

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	293'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6420'	7-7/8"	350 sx Premilite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

**30. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 6029'	TA @ 5930'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER
(CP2) 5945'-5954"	.49"	4/36
(LODC) 5646'-5655'	.43"	4/36
(A1) 5384'-5400'	.43"	4/64
(B1) 5259'-5268'	.43"	4/36
(D1) 4980'-4990'	.43"	4/40
(GB4) 4454'-4460'	.43"	4/24

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5945'-5954'	Frac w/ 25,178# 20/40 sand in 382 bbls fluid
5646'-5655'	Frac w/ 20,221# 20/40 sand in 331 bbls fluid
5384'-5400'	Frac w/ 110,173# 20/40 sand in 831 bbls fluid
5259'-5268'	Frac w/ 15,001# 20/40 sand in 276 bbls fluid
4980'-4990'	Frac w/ 90,119# 20/40 sand in 969 bbls fluid
4454'-4460'	Frac w/ 34,669# 20/40 sand in 381 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
04/04/08	2-1/2" x 1-3/4" x 20' RHAC Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			→	54	0	25	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*Jeff Park*

TITLE

Production Technician

DATE

4/8/2008

JP

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Wells Draw Federal G-5-9-16	Garden Gulch Mkr	3928'	
				Garden Gulch 1	4152'	
				Garden Gulch 2	4266'	
				Point 3 Mkr	4536'	
				X Mkr	4796'	
				Y-Mkr	4832'	
				Douglas Creek Mkr	4946'	
				BiCarbonate Mkr	5188'	
				B Limestone Mkr	5303'	
				Castle Peak	5850'	
			Basal Carbonate	6304'		
			Total Depth (LOGGERS)	6420'		

# NEWFIELD



Well Name: Wells Draw G-5-9-16  
 LOCATION: S5, T9S, R16E  
 COUNTY/STATE: Duchesne  
 API: 43-013-33519

Spud Date: 12-17-08  
 TD: 6435'  
 CSG: 2-8-05  
 POP: 3-11-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
3/11/2008				3014				POP @ 12:00 P.M. w/ 121" SL @ 4 SPM. 3014 Total water to recover.
3/12/2008	24	0	0	3014	0	70	5	Meters not hooked up
3/13/2008	24			3014		80	5	Tubing 70
3/14/2008	24			3014		70	5	tubing 62
3/15/2008	24			3014		60	5	tubing 60
3/16/2008	24			3014		80	5	Tubing 90
3/17/2008	24			3014		90	5	tubing 63
3/18/2008	24			3014		95	5	tubing 60
3/19/2008	24			3014		90	4	Tubing 60
3/20/2008	24			3014		85	5	tubing 80
3/21/2008	24			3014		75	6	tubing 70
3/22/2008	24			3014		80	5	tubing 80
3/23/2008	24			3014		100	5	tubing 75
3/24/2008	24			3014		80	5	tubing 80
3/25/2008	24			3014		70	5	tubing 70
3/26/2008	24			3014		75	5	tubing 35
3/27/2008	0			3014		0	0	Workover rig on neighboring location SI
3/28/2008	12			3014		90		Tubing 90, rig on location
3/29/2008	12			3014		100	5	tubing 100 Rig on 11-5
3/30/2008	24			3014		90	5	TUBING 60
3/31/2008	24			3014		80	5	
4/1/2008	24			3014		90	5	tubing 90
4/2/2008	24			3014		90	5	TUBING 90
4/3/2008	24			3014		90	5	Tubing 90
4/4/2008	18	34	24	2990		75	5	Tubing 75, Meters commissioned. Down - moving surface equipment.
4/5/2008	24	54	27	2963		90	4	Tubing 85
4/6/2008	24	54	29	2934		80	4	Tubing 70
4/7/2008	24	54	24	2910		80	4	Tubing 80
4/8/2008	24	55	30	2880		85	4	Tubing 80
4/9/2008				2880				
4/10/2008				2880				
4/11/2008				2880				
		<b>251</b>	<b>134</b>		<b>0</b>			

95653



Scientific Drilling

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

RE: Newfield Exploration Co. Operator
Well Draw G-5-9-16 Well Name & No.
Duchesne County, UT County & State
42DEF0801079 SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 385 feet to a measured depth of 6435 feet is true and correct as determined from all available records.

Julie Cruse
Signature

Rockies Region Engineer
Title

Scientific Drilling International
Company

State of: Wyoming
County of: Natrona

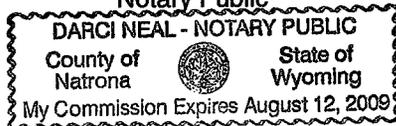
ss

On this 15th day of February 2008, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Darci Neal
Notary Public

Aug 12, 2009
My Commission Expires

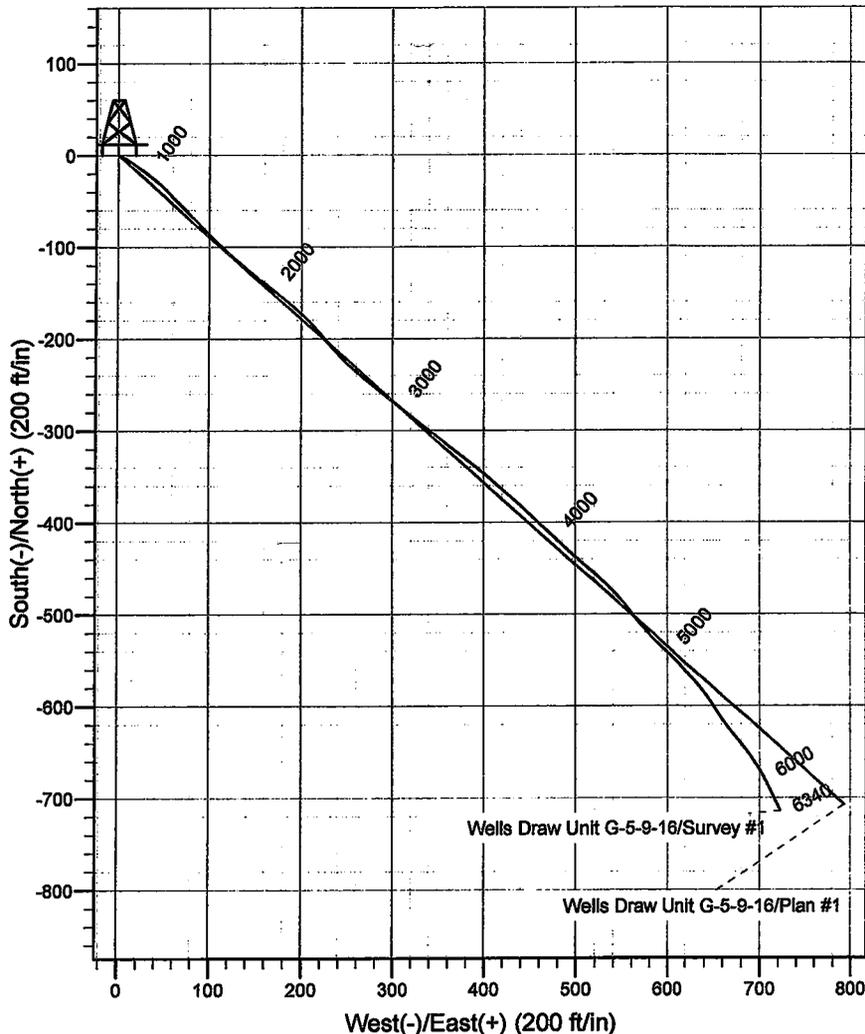
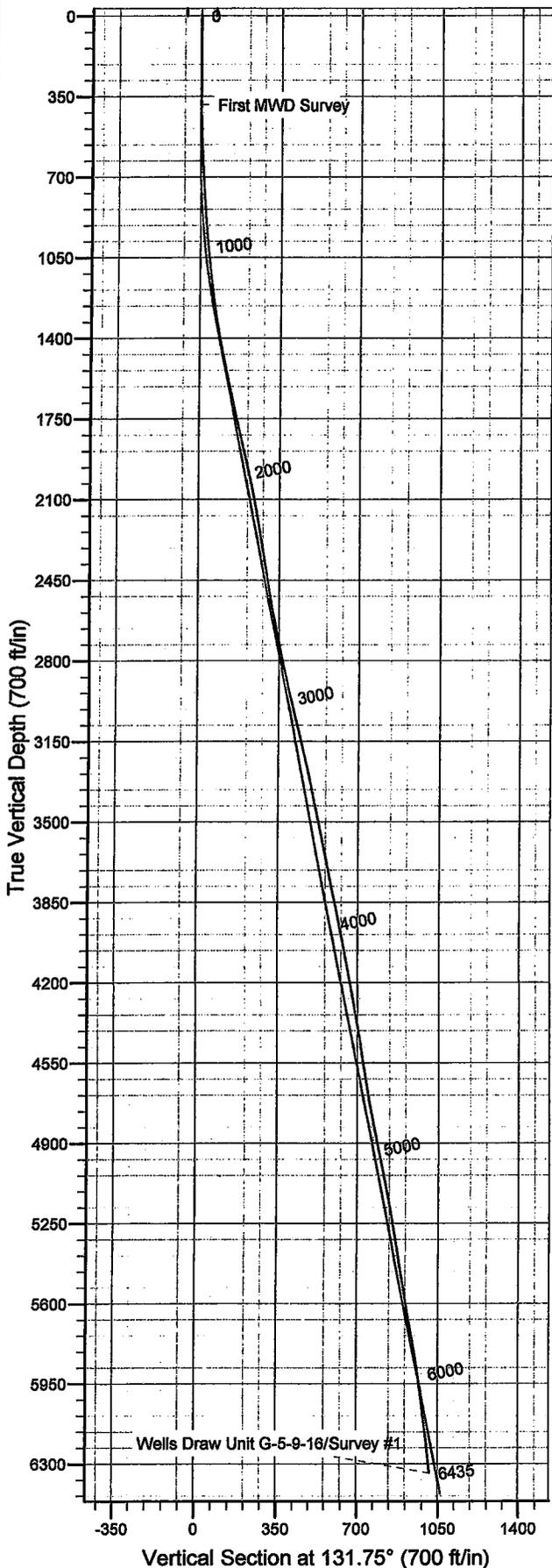




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Wells Draw Unit G-5-9-16  
Well: Wells Draw Unit G-5-9-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



**WELL DETAILS: Wells Draw Unit G-5-9-16**

Ground Level: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
 +N-S +E-W Northing Easting Latitude Longitude  
 0.00 0.00 7195285.52 2018131.77 40° 3' 54.210 N 110° 9' 1.290 W

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well Wells Draw Unit G-5-9-16, True North  
 Vertical (TVD) Reference: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
 Calculation Method: Minimum Curvature  
 Local North: True  
 Location: Sec 5 T9S R16E

**PROJECT DETAILS: Duchesne County, UT**

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

Survey: Survey #1 (Wells Draw Unit G-5-9-16/OH)

Created By: Julie Cruse Date: 2007-02-14

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Wells Draw Unit G-5-9-16**

**Wells Draw Unit G-5-9-16**

**OH**

**Survey: Survey #1**

## **Standard Survey Report**

**14 February, 2008**

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

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

<b>Site</b>	Wells Draw Unit G-5-9-16, Sec 5 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,195,285.53 ft	<b>Latitude:</b>	40° 3' 54.210 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.86 °

<b>Well</b>	Wells Draw Unit G-5-9-16, 800' FNL, 672' FWL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,195,285.52 ft	<b>Latitude:</b>	40° 3' 54.210 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,815.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b> (°)	<b>Dip Angle</b> (°)	<b>Field Strength</b> (nT)
	IGRF2005-10	2008-01-28	11.77	65.89	52,623

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b> (ft)	<b>+N/-S</b> (ft)	<b>+E/-W</b> (ft)	<b>Direction</b> (°)	
	0.00	0.00	0.00	131.75	

<b>Survey Program</b>	Date 2008-02-14				
<b>From</b> (ft)	<b>To</b> (ft)	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
385.00	6,435.00	Survey #1 (OH)	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385.00	0.41	120.07	385.00	-0.69	1.19	1.35	0.11	0.11	0.00
415.00	0.64	145.60	415.00	-0.88	1.38	1.62	1.08	0.77	85.10
436.00	0.82	128.47	435.99	-1.07	1.56	1.86	1.34	0.86	-81.57
467.00	1.31	114.85	466.99	-1.36	2.06	2.44	1.77	1.58	-43.94
497.00	1.46	120.82	496.98	-1.70	2.70	3.14	0.69	0.50	19.90
528.00	2.02	127.32	527.97	-2.23	3.47	4.08	1.91	1.81	20.97
559.00	2.28	114.80	558.94	-2.82	4.47	5.21	1.73	0.84	-40.39
590.00	2.53	116.17	589.92	-3.38	5.64	6.46	0.83	0.81	4.42
620.00	3.10	119.42	619.88	-4.07	6.94	7.89	1.97	1.90	10.83
651.00	3.34	124.81	650.83	-5.00	8.41	9.61	1.25	0.77	17.39
681.00	2.84	125.11	680.79	-5.93	9.74	11.21	1.67	-1.67	1.00
712.00	3.23	121.38	711.74	-6.82	11.11	12.83	1.41	1.26	-12.03

## Scientific Drilling Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-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)
743.00	3.23	125.67	742.69	-7.79	12.57	14.56	0.78	0.00	13.84
774.00	3.59	121.08	773.64	-8.80	14.11	16.38	1.46	1.16	-14.81
804.00	3.94	129.06	803.58	-9.93	15.71	18.34	2.10	1.17	26.60
835.00	3.65	127.06	834.51	-11.20	17.33	20.36	1.03	-0.94	-6.45
866.00	4.09	120.68	865.44	-12.36	19.06	22.45	1.98	1.42	-20.58
897.00	4.61	123.62	896.35	-13.61	21.05	24.77	1.82	1.68	9.48
927.00	5.00	119.87	926.24	-14.93	23.19	27.24	1.67	1.30	-12.50
958.00	4.82	125.11	957.13	-16.35	25.43	29.86	1.56	-0.58	16.90
990.00	5.26	125.08	989.00	-17.97	27.73	32.65	1.38	1.37	-0.09
1,021.00	5.65	127.45	1,019.86	-19.71	30.10	35.58	1.45	1.26	7.65
1,052.00	5.68	130.37	1,050.71	-21.63	32.48	38.64	0.93	0.10	9.42
1,083.00	6.13	127.06	1,081.55	-23.62	34.97	41.82	1.82	1.45	-10.68
1,115.00	6.54	127.89	1,113.35	-25.77	37.77	45.34	1.31	1.28	2.59
1,146.00	6.67	129.15	1,144.15	-27.99	40.56	48.90	0.63	0.42	4.06
1,178.00	7.00	130.11	1,175.92	-30.42	43.50	52.71	1.09	1.03	3.00
1,210.00	7.31	130.63	1,207.67	-33.01	46.53	56.69	0.99	0.97	1.62
1,241.00	7.71	133.19	1,238.40	-35.71	49.54	60.74	1.68	1.29	8.26
1,271.00	8.20	134.04	1,268.12	-38.58	52.55	64.89	1.68	1.63	2.83
1,303.00	8.65	133.97	1,299.77	-41.84	55.92	69.58	1.41	1.41	-0.22
1,334.00	9.07	135.81	1,330.40	-45.21	59.30	74.35	1.63	1.35	5.94
1,364.00	9.54	135.01	1,360.01	-48.66	62.71	79.19	1.62	1.57	-2.67
1,395.00	10.14	134.96	1,390.55	-52.40	66.46	84.48	1.94	1.94	-0.16
1,427.00	10.58	135.91	1,422.03	-56.51	70.49	90.22	1.47	1.37	2.97
1,458.00	10.95	136.22	1,452.48	-60.67	74.51	95.99	1.21	1.19	1.00
1,490.00	11.12	136.74	1,483.89	-65.12	78.73	102.10	0.62	0.53	1.62
1,519.00	11.69	135.90	1,512.32	-69.26	82.69	107.81	2.05	1.97	-2.90
1,612.00	12.53	135.78	1,603.25	-83.26	96.28	127.27	0.90	0.90	-0.13
1,703.00	12.96	134.41	1,692.01	-97.47	110.46	147.31	0.58	0.47	-1.51
1,795.00	13.54	131.85	1,781.56	-111.88	125.85	168.39	0.90	0.63	-2.78
1,887.00	13.56	128.98	1,871.00	-125.85	142.25	189.93	0.73	0.02	-3.12
1,979.00	12.90	128.66	1,960.55	-139.05	158.66	210.96	0.72	-0.72	-0.35
2,074.00	11.62	128.98	2,053.39	-151.69	174.38	231.10	1.35	-1.35	0.34
2,176.00	10.55	130.59	2,153.48	-164.23	189.45	250.70	1.09	-1.05	1.58
2,269.00	9.60	132.85	2,245.05	-175.04	201.60	266.97	1.11	-1.02	2.43
2,364.00	8.83	136.88	2,338.82	-185.75	212.40	282.15	1.06	-0.81	4.24
2,456.00	9.39	139.15	2,429.66	-196.59	222.13	296.63	0.72	0.61	2.47
2,550.00	9.42	138.88	2,522.40	-208.18	232.21	311.86	0.06	0.03	-0.29
2,641.00	10.66	136.83	2,612.00	-219.93	242.86	327.64	1.42	1.36	-2.25
2,734.00	11.38	131.10	2,703.29	-232.24	255.66	345.38	1.41	0.77	-6.16
2,827.00	11.62	129.48	2,794.42	-244.22	269.81	363.91	0.43	0.26	-1.74
2,922.00	12.37	128.47	2,887.35	-256.64	285.16	383.63	0.82	0.79	-1.06
3,016.00	13.94	128.35	2,978.88	-269.92	301.92	404.99	1.67	1.67	-0.13
3,109.00	15.00	128.40	3,068.93	-284.35	320.14	428.19	1.14	1.14	0.05
3,203.00	13.39	127.45	3,160.05	-298.53	338.31	451.18	1.73	-1.71	-1.01
3,295.00	13.41	128.95	3,249.55	-311.71	355.07	472.46	0.38	0.02	1.63
3,389.00	12.30	127.62	3,341.19	-324.68	371.47	493.34	1.22	-1.18	-1.41
3,482.00	12.16	127.58	3,432.08	-336.70	387.08	512.99	0.15	-0.15	-0.04
3,577.00	11.87	129.60	3,525.00	-349.03	402.54	532.73	0.54	-0.31	2.13
3,671.00	11.53	131.55	3,617.05	-361.42	417.02	551.78	0.55	-0.36	2.07
3,765.00	10.88	130.77	3,709.26	-373.44	430.77	570.05	0.71	-0.69	-0.83
3,859.00	11.84	133.50	3,801.41	-385.88	444.48	588.56	1.17	1.02	2.90
3,953.00	11.59	133.23	3,893.46	-398.98	458.36	607.64	0.27	-0.27	-0.29
4,048.00	10.92	133.25	3,986.63	-411.68	471.87	626.17	0.71	-0.71	0.02
4,142.00	10.98	132.78	4,078.92	-423.86	484.92	644.02	0.11	0.06	-0.50

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)
4,240.00	10.73	132.15	4,175.16	-436.32	498.54	662.48	0.28	-0.26	-0.64
4,331.00	10.08	132.03	4,264.67	-447.34	510.73	678.91	0.71	-0.71	-0.13
4,424.00	9.58	133.16	4,356.30	-458.08	522.42	694.79	0.58	-0.54	1.22
4,519.00	8.81	132.67	4,450.08	-468.42	533.54	709.96	0.81	-0.81	-0.52
4,614.00	8.67	137.53	4,543.98	-478.63	543.72	724.36	0.79	-0.15	5.12
4,706.00	9.47	141.83	4,634.83	-489.70	553.08	738.71	1.14	0.87	4.67
4,800.00	10.01	141.47	4,727.47	-502.17	562.95	754.38	0.58	0.57	-0.38
4,892.00	11.07	139.59	4,817.92	-515.15	573.66	771.01	1.21	1.15	-2.04
4,985.00	11.49	135.76	4,909.12	-528.59	585.91	789.10	0.92	0.45	-4.12
5,079.00	11.33	131.74	5,001.27	-541.44	599.33	807.67	0.86	-0.17	-4.28
5,173.00	10.68	135.85	5,093.54	-553.84	612.29	825.59	1.08	-0.69	4.37
5,266.00	10.81	137.88	5,184.91	-566.49	624.14	842.86	0.43	0.14	2.18
5,359.00	9.71	141.91	5,276.42	-579.13	634.83	859.25	1.41	-1.18	4.33
5,453.00	9.03	143.73	5,369.17	-591.32	644.08	874.27	0.79	-0.72	1.94
5,547.00	8.69	148.54	5,462.05	-603.32	652.15	888.28	0.87	-0.36	5.12
5,638.00	9.62	145.27	5,551.89	-615.44	660.07	902.26	1.17	1.02	-3.59
5,732.00	10.51	142.32	5,644.44	-628.68	669.78	918.32	1.09	0.95	-3.14
5,826.00	10.21	141.11	5,736.91	-641.95	680.26	934.97	0.39	-0.32	-1.29
5,921.00	9.23	145.01	5,830.54	-654.74	689.91	950.69	1.24	-1.03	4.11
6,016.00	8.56	148.17	5,924.40	-666.99	698.01	964.89	0.87	-0.71	3.33
6,109.00	7.85	151.69	6,018.45	-678.46	704.67	977.50	0.93	-0.76	3.78
6,202.00	7.29	153.38	6,108.64	-689.33	710.33	988.96	0.65	-0.60	1.82
6,297.00	7.04	156.08	6,202.90	-700.04	715.39	999.87	0.44	-0.26	2.84
6,390.00	6.40	154.08	6,295.26	-709.91	719.96	1,009.85	0.73	-0.69	-2.15
6,435.00	6.40	154.08	6,339.98	-714.42	722.16	1,014.49	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
WDU G-5-9-16 Target	0.00	0.00	5,330.00	-565.00	633.00	7,194,730.14	2,018,773.22	40° 3' 48.626 N	110° 8' 53.148 W
- hit/miss target									
- Shape									
- survey misses target center by 22.20ft at 5409.85ft MD (5326.57 TVD, -585.80 N, 639.96 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	385.00	-0.69	1.19	First MWD Survey
6,435.00	6,339.98	-714.42	722.16	Projection to TD

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

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

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-69744**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NA**

7. UNIT AGREEMENT NAME  
**Wells Draw Unit**

8. FARM OR LEASE NAME, WELL NO.  
**Wells Draw Federal G-5-9-16**

9. WELL NO.  
**43-013-33519**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 5, T9S, R16E**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK  
OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Newfield Exploration Company**

3. ADDRESS AND TELEPHONE NO.  
**1401 17th St. Suite 1000 Denver, CO 80202**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
At Surface **1322' FNL & 1323' FWL (NW/NW) Sec. 5, T9S, R16E**  
At top prod. Interval reported below

At total depth

14. API NO. **43-013-33519** DATE ISSUED **01/29/07**

12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

15. DATE SPURRED **12/17/07** 16. DATE T.D. REACHED **02/07/08** 17. DATE COMPL. (Ready to prod.) **03/11/08** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5815' GL 5827' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6435'** 21. PLUG BACK T.D., MD & TVD **6375'** 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Green River 4454'-5954'**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log**

27. WAS WELL CORED  
**No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	293'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6420'	7-7/8"	350 sx Premlite II and 450 sx 50/50 Poz	

**29. LINER RECORD**      **30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						6029'	5930'

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2) 5945'-5954"	.49"	4/36	5945'-5954'	Frac w/ 25,178# 20/40 sand in 382 bbls fluid
(LODC) 5646'-5655'	.43"	4/36	5646'-5655'	Frac w/ 20,221# 20/40 sand in 331 bbls fluid
(A1) 5384'-5400'	.43"	4/64	5384'-5400'	Frac w/ 110,173# 20/40 sand in 831 bbls fluid
(B1) 5259'-5268'	.43"	4/36	5259'-5268'	Frac w/ 15,001# 20/40 sand in 276 bbls fluid
(D1) 4980'-4990'	.43"	4/40	4980'-4990'	Frac w/ 90,119# 20/40 sand in 969 bbls fluid
(GB4) 4454'-4460'	.43"	4/24	4454'-4460'	Frac w/ 34,669# 20/40 sand in 381 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION **04/04/08** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" x 1-3/4" x 20' RHAC Pump** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD.N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
<b>10 day ave</b>			<b>-----&gt;</b>	<b>54</b>	<b>0</b>	<b>25</b>	<b>0</b>

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL. GAS--MCF. WATER--BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jentry Park TITLE Production Technician DATE 4/8/2008

**RECEIVED  
MAY 02 2008**

BUREAU OF OIL, GAS & MINING

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<p>Well Name Wells Draw Federal G-5-9-16</p>	Garden Gulch Mkr	3928'	
				Garden Gulch 1	4152'	
				Garden Gulch 2	4266'	
				Point 3 Mkr	4536'	
				X Mkr	4796'	
				Y-Mkr	4832'	
				Douglas Creek Mkr	4946'	
				BiCarbonate Mkr	5188'	
				B Limestone Mkr	5303'	
				Castle Peak	5850'	
				Basal Carbonate	6304'	
			Total Depth (LOGGERS)	6420'		

# NEWFIELD



Well Name: Wells Draw G-5-9-16  
 LOCATION: S5, T9S, R16E  
 COUNTY/STATE: Duchesne  
 API: 43-013-33519

Spud Date: 12-17-08  
 TD: 6435'  
 CSG: 2-8-05  
 POP: 3-11-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
3/11/2008				3014				POP @ 12:00 P.M. w/ 121" SL @ 4 SPM. 3014 Total water to recover.
3/12/2008	24	0	0	3014	0	70	5	Meters not hooked up
3/13/2008	24			3014		80	5	Tubing 70
3/14/2008	24			3014		70	5	tubing 62
3/15/2008	24			3014		60	5	tubing 60
3/16/2008	24			3014		80	5	Tubing 90
3/17/2008	24			3014		90	5	tubing 63
3/18/2008	24			3014		95	5	tubing 60
3/19/2008	24			3014		90	4	Tubing 60
3/20/2008	24			3014		85	5	tubing 80
3/21/2008	24			3014		75	6	tubing 70
3/22/2008	24			3014		80	5	tubing 80
3/23/2008	24			3014		100	5	tubing 75
3/24/2008	24			3014		80	5	tubing 80
3/25/2008	24			3014		70	5	tubing 70
3/26/2008	24			3014		75	5	tubing 35
3/27/2008	0			3014		0	0	Workover rig on neighboring location SI
3/28/2008	12			3014		90		Tubing 90, rig on location
3/29/2008	12			3014		100	5	tubing 100 Rig on 11-5
3/30/2008	24			3014		90	5	TUBING 60
3/31/2008	24			3014		80	5	
4/1/2008	24			3014		90	5	tubing 90
4/2/2008	24			3014		90	5	TUBING 90
4/3/2008	24			3014		90	5	Tubing 90
4/4/2008	18	34	24	2990		75	5	Tubing 75, Meters commissioned. Down - moving surface equipment.
4/5/2008	24	54	27	2963		90	4	Tubing 85
4/6/2008	24	54	29	2934		80	4	Tubing 70
4/7/2008	24	54	24	2910		80	4	Tubing 80
4/8/2008	24	55	30	2880		85	4	Tubing 80
4/9/2008				2880				
4/10/2008				2880				
4/11/2008				2880				
		<b>251</b>	<b>134</b>		<b>0</b>			

95653

RECEIVED

APR 09 2008

BLM



Scientific Drilling

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

RE: Newfield Exploration Co. Operator
Well Draw G-5-9-16 Well Name & No.
Duchesne County, UT County & State
42DEF0801079 SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 385 feet to a measured depth of 6435 feet is true and correct as determined from all available records.

Julie Cruse
Signature

Rockies Region Engineer
Title

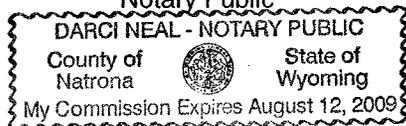
Scientific Drilling International
Company

State of: Wyoming
County of: Natrona
ss

On this 15th day of February 2008, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Darci Neal
Notary Public

Aug 12, 2009
My Commission Expires



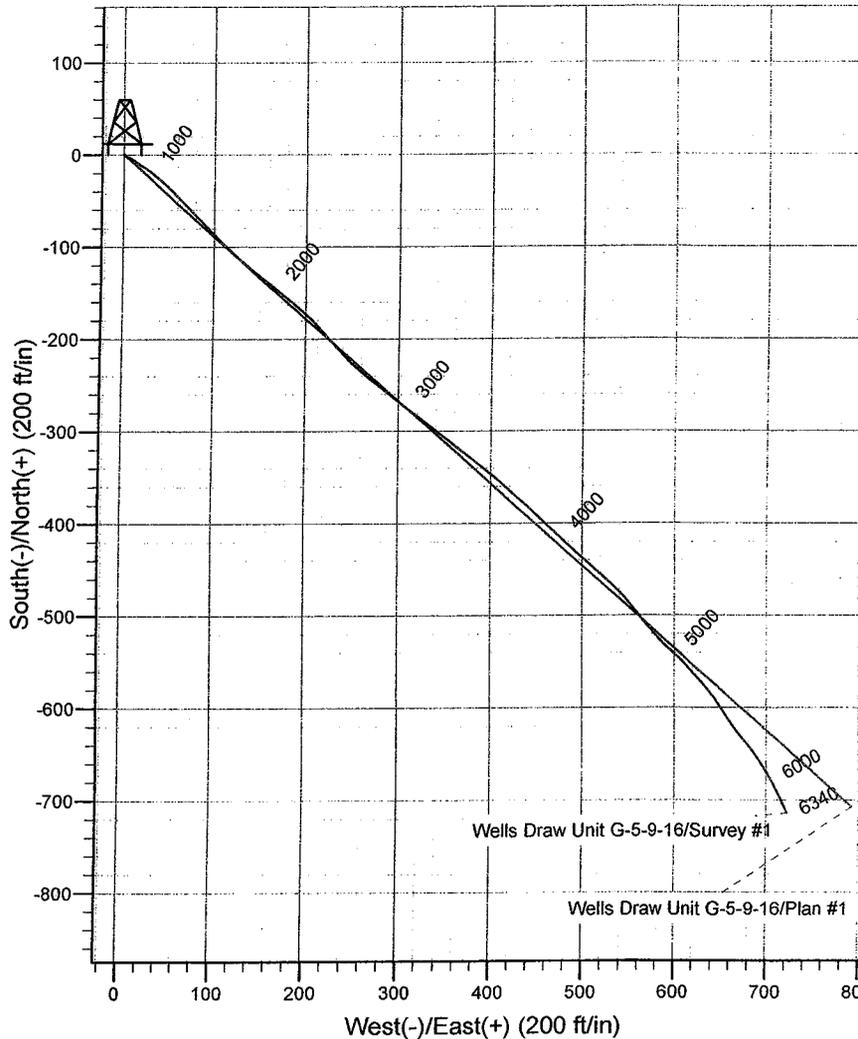
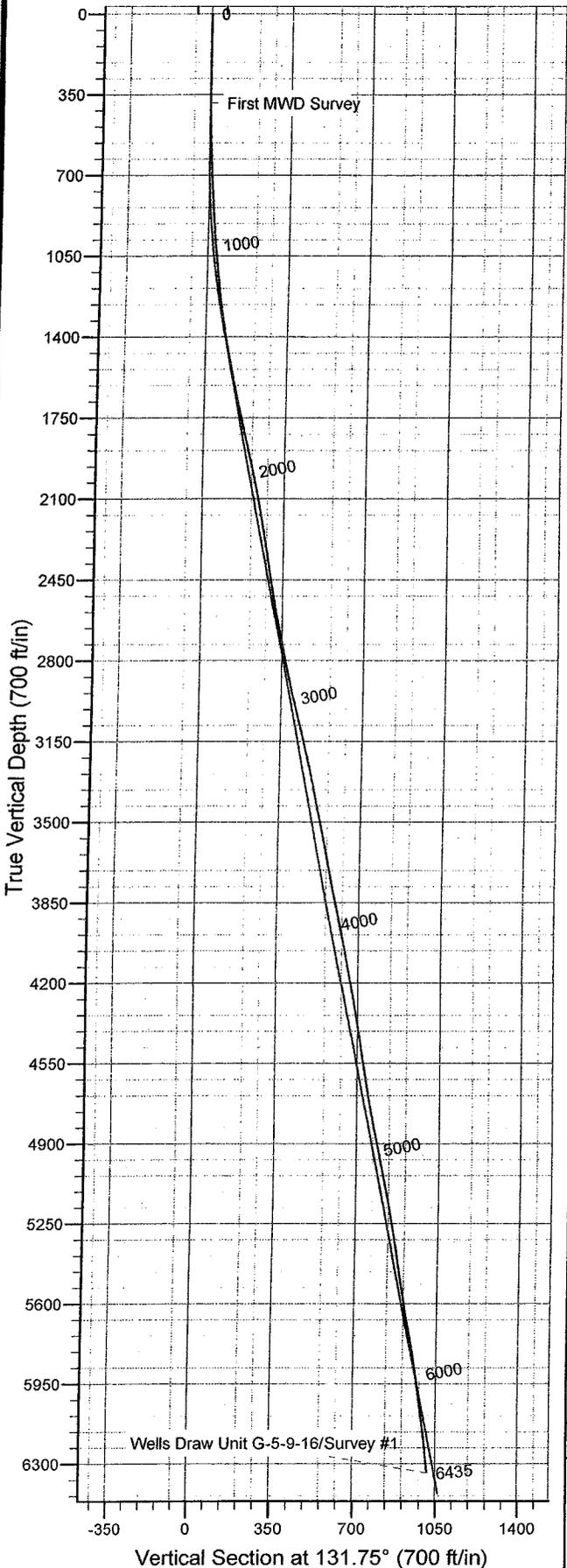
VERNAL DIST.
ENG.
GEOL.
E.S.
PET.
A.M.



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Wells Draw Unit G-5-9-16  
Well: Wells Draw Unit G-5-9-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



**WELL DETAILS: Wells Draw Unit G-5-9-16**

Ground Level: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7195285.52	2018131.77	40° 3' 54.210 N	110° 9' 1.290 W

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well Wells Draw Unit G-5-9-16, True North  
 Vertical (TVD) Reference: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
 Calculation Method: Minimum Curvature  
 Local North: True  
 Location: Sec 5 T9S R16E

**PROJECT DETAILS: Duchesne County, UT**

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

Survey: Survey #1 (Wells Draw Unit G-5-9-16/C

Created By: Julie Cruse Date: 2007-02-14

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Wells Draw Unit G-5-9-16**

**Wells Draw Unit G-5-9-16**

**OH**

**Survey: Survey #1**

## **Standard Survey Report**

**14 February, 2008**

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

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

<b>Site</b>	Wells Draw Unit G-5-9-16, Sec 5 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,195,285.53 ft	<b>Latitude:</b>	40° 3' 54.210 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.86 °

<b>Well</b>	Wells Draw Unit G-5-9-16, 800' FNL, 672' FWL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,195,285.52 ft	<b>Latitude:</b>	40° 3' 54.210 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,018,131.77 ft	<b>Longitude:</b>	110° 9' 1.290 W
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,815.00 ft	

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2005-10	2008-01-28	(°)	(°)	(nT)
			11.77	65.89	52,623

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	131.75	

<b>Survey Program</b>	<b>Date</b>	2008-02-14			
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
385.00	6,435.00	Survey #1 (OH)	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385.00	0.41	120.07	385.00	-0.69	1.19	1.35	0.11	0.11	0.00
415.00	0.64	145.60	415.00	-0.88	1.38	1.62	1.08	0.77	85.10
436.00	0.82	128.47	435.99	-1.07	1.56	1.88	1.34	0.86	-81.57
467.00	1.31	114.85	466.99	-1.36	2.06	2.44	1.77	1.58	-43.94
497.00	1.46	120.82	496.98	-1.70	2.70	3.14	0.69	0.50	19.90
528.00	2.02	127.32	527.97	-2.23	3.47	4.08	1.91	1.81	20.97
559.00	2.28	114.80	558.94	-2.82	4.47	5.21	1.73	0.84	-40.39
590.00	2.53	116.17	589.92	-3.38	5.64	6.46	0.83	0.81	4.42
620.00	3.10	119.42	619.88	-4.07	6.94	7.89	1.97	1.90	10.83
651.00	3.34	124.81	650.83	-5.00	8.41	9.61	1.25	0.77	17.39
681.00	2.84	125.11	680.79	-5.93	9.74	11.21	1.67	-1.67	1.00
712.00	3.23	121.38	711.74	-6.82	11.11	12.83	1.41	1.26	-12.03

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-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)
743.00	3.23	125.67	742.69	-7.79	12.57	14.56	0.78	0.00	13.84
774.00	3.59	121.08	773.64	-8.80	14.11	16.38	1.46	1.16	-14.81
804.00	3.94	129.06	803.58	-9.93	15.71	18.34	2.10	1.17	26.60
835.00	3.65	127.06	834.51	-11.20	17.33	20.38	1.03	-0.94	-6.45
866.00	4.09	120.68	865.44	-12.36	19.06	22.45	1.98	1.42	-20.58
897.00	4.61	123.62	896.35	-13.61	21.05	24.77	1.82	1.68	9.48
927.00	5.00	119.87	926.24	-14.93	23.19	27.24	1.67	1.30	-12.50
958.00	4.82	125.11	957.13	-16.35	25.43	29.86	1.56	-0.58	16.90
990.00	5.26	125.08	989.00	-17.97	27.73	32.65	1.38	1.37	-0.09
1,021.00	5.65	127.45	1,019.86	-19.71	30.10	35.58	1.45	1.26	7.65
1,052.00	5.68	130.37	1,050.71	-21.63	32.48	38.64	0.93	0.10	9.42
1,083.00	6.13	127.06	1,081.55	-23.62	34.97	41.82	1.82	1.45	-10.68
1,115.00	6.54	127.89	1,113.35	-25.77	37.77	45.34	1.31	1.28	2.59
1,146.00	6.67	129.15	1,144.15	-27.99	40.56	48.90	0.63	0.42	4.06
1,178.00	7.00	130.11	1,175.92	-30.42	43.50	52.71	1.09	1.03	3.00
1,210.00	7.31	130.63	1,207.67	-33.01	46.53	56.69	0.99	0.97	1.62
1,241.00	7.71	133.19	1,238.40	-35.71	49.54	60.74	1.68	1.29	8.26
1,271.00	8.20	134.04	1,268.12	-38.58	52.55	64.89	1.68	1.63	2.83
1,303.00	8.65	133.97	1,299.77	-41.84	55.92	69.58	1.41	1.41	-0.22
1,334.00	9.07	135.81	1,330.40	-45.21	59.30	74.35	1.63	1.35	5.94
1,364.00	9.54	135.01	1,360.01	-48.66	62.71	79.19	1.62	1.57	-2.67
1,395.00	10.14	134.96	1,390.55	-52.40	66.46	84.48	1.94	1.94	-0.16
1,427.00	10.58	135.91	1,422.03	-56.51	70.49	90.22	1.47	1.37	2.97
1,458.00	10.95	136.22	1,452.48	-60.67	74.51	95.99	1.21	1.19	1.00
1,490.00	11.12	136.74	1,483.89	-65.12	78.73	102.10	0.62	0.53	1.62
1,519.00	11.69	135.90	1,512.32	-69.26	82.69	107.81	2.05	1.97	-2.90
1,612.00	12.53	135.78	1,603.25	-83.26	96.28	127.27	0.90	0.90	-0.13
1,703.00	12.96	134.41	1,692.01	-97.47	110.46	147.31	0.58	0.47	-1.51
1,795.00	13.54	131.85	1,781.56	-111.88	125.85	168.39	0.90	0.63	-2.78
1,887.00	13.56	128.98	1,871.00	-125.85	142.25	189.93	0.73	0.02	-3.12
1,979.00	12.90	128.66	1,960.55	-139.05	158.66	210.96	0.72	-0.72	-0.35
2,074.00	11.62	128.98	2,053.39	-151.69	174.38	231.10	1.35	-1.35	0.34
2,176.00	10.55	130.59	2,153.48	-164.23	189.45	250.70	1.09	-1.05	1.58
2,269.00	9.60	132.85	2,245.05	-175.04	201.60	266.97	1.11	-1.02	2.43
2,364.00	8.83	136.88	2,338.82	-185.75	212.40	282.15	1.06	-0.81	4.24
2,456.00	9.39	139.15	2,429.66	-196.59	222.13	296.63	0.72	0.61	2.47
2,550.00	9.42	138.88	2,522.40	-208.18	232.21	311.86	0.06	0.03	-0.29
2,641.00	10.66	136.83	2,612.00	-219.93	242.86	327.64	1.42	1.36	-2.25
2,734.00	11.38	131.10	2,703.29	-232.24	255.66	345.38	1.41	0.77	-6.16
2,827.00	11.62	129.48	2,794.42	-244.22	269.81	363.91	0.43	0.26	-1.74
2,922.00	12.37	128.47	2,887.35	-256.64	285.16	383.63	0.62	0.79	-1.06
3,016.00	13.94	128.35	2,978.88	-269.92	301.92	404.99	1.67	1.67	-0.13
3,109.00	15.00	128.40	3,068.93	-284.35	320.14	428.19	1.14	1.14	0.05
3,203.00	13.39	127.45	3,160.05	-298.53	338.31	451.18	1.73	-1.71	-1.01
3,295.00	13.41	128.95	3,249.55	-311.71	355.07	472.46	0.38	0.02	1.63
3,389.00	12.30	127.62	3,341.19	-324.68	371.47	493.34	1.22	-1.18	-1.41
3,482.00	12.16	127.58	3,432.08	-336.70	387.08	512.99	0.15	-0.15	-0.04
3,577.00	11.87	129.60	3,525.00	-349.03	402.54	532.73	0.54	-0.31	2.13
3,671.00	11.53	131.55	3,617.05	-361.42	417.02	551.78	0.55	-0.36	2.07
3,765.00	10.88	130.77	3,709.26	-373.44	430.77	570.05	0.71	-0.69	-0.83
3,859.00	11.84	133.50	3,801.41	-385.88	444.48	588.56	1.17	1.02	2.90
3,953.00	11.59	133.23	3,893.46	-398.98	458.36	607.64	0.27	-0.27	-0.29
4,048.00	10.92	133.25	3,986.63	-411.68	471.87	626.17	0.71	-0.71	0.02
4,142.00	10.98	132.78	4,078.92	-423.86	484.92	644.02	0.11	0.06	-0.50

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Wells Draw Unit G-5-9-16  
**Well:** Wells Draw Unit G-5-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Wells Draw Unit G-5-9-16  
**TVD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**MD Reference:** GL 5815' & RKB 12' @ 5827.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi-User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,240.00	10.73	132.15	4,175.16	-436.32	498.54	662.48	0.28	-0.26	-0.64
4,331.00	10.08	132.03	4,264.67	-447.34	510.73	678.91	0.71	-0.71	-0.13
4,424.00	9.58	133.16	4,356.30	-458.08	522.42	694.79	0.58	-0.54	1.22
4,519.00	8.81	132.67	4,450.08	-468.42	533.54	709.96	0.81	-0.81	-0.52
4,614.00	8.67	137.53	4,543.98	-478.63	543.72	724.36	0.79	-0.15	5.12
4,706.00	9.47	141.83	4,634.83	-489.70	553.08	738.71	1.14	0.87	4.67
4,800.00	10.01	141.47	4,727.47	-502.17	562.95	754.38	0.58	0.57	-0.38
4,892.00	11.07	139.59	4,817.92	-515.15	573.66	771.01	1.21	1.15	-2.04
4,985.00	11.49	135.76	4,909.12	-528.59	585.91	789.10	0.92	0.45	-4.12
5,079.00	11.33	131.74	5,001.27	-541.44	599.33	807.67	0.86	-0.17	-4.28
5,173.00	10.68	135.85	5,093.54	-553.84	612.29	825.59	1.08	-0.69	4.37
5,266.00	10.81	137.88	5,184.91	-566.49	624.14	842.86	0.43	0.14	2.18
5,359.00	9.71	141.91	5,276.42	-579.13	634.83	859.25	1.41	-1.18	4.33
5,453.00	9.03	143.73	5,369.17	-591.32	644.08	874.27	0.79	-0.72	1.94
5,547.00	8.69	148.54	5,462.05	-603.32	652.15	888.28	0.87	-0.36	5.12
5,638.00	9.62	145.27	5,551.89	-615.44	660.07	902.26	1.17	1.02	-3.59
5,732.00	10.51	142.32	5,644.44	-628.68	669.78	918.32	1.09	0.95	-3.14
5,826.00	10.21	141.11	5,736.91	-641.95	680.26	934.97	0.39	-0.32	-1.29
5,921.00	9.23	145.01	5,830.54	-654.74	689.91	950.69	1.24	-1.03	4.11
6,016.00	8.56	148.17	5,924.40	-666.99	698.01	964.89	0.87	-0.71	3.33
6,109.00	7.85	151.69	6,016.45	-678.46	704.67	977.50	0.93	-0.76	3.78
6,202.00	7.29	153.38	6,108.64	-689.33	710.33	988.96	0.65	-0.60	1.82
6,297.00	7.04	156.08	6,202.90	-700.04	715.39	999.87	0.44	-0.26	2.84
6,390.00	6.40	154.08	6,295.26	-709.91	719.96	1,009.85	0.73	-0.69	-2.15
6,435.00	6.40	154.08	6,339.98	-714.42	722.16	1,014.49	0.00	0.00	0.00

### 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									
WDU G-5-9-16 Target	0.00	0.00	5,330.00	-565.00	633.00	7,194,730.14	2,018,773.22	40° 3' 48.626 N	110° 8' 53.148 W
- survey misses target center by 22.20ft at 5409.85ft MD (5326.57 TVD, -585.80 N, 639.96 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
385.00	385.00	-0.69	1.19	First MWD Survey
6,435.00	6,339.98	-714.42	722.16	Projection to TD

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