

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74390
5b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		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. West Point Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. West Point Federal N-8-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34079
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 2035' FNL 2087' FWL At proposed prod. zone 2580' FNL 1320' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.3 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 8, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1320' flse, 1320' fl/unit	16. No. of Acres in lease 2037.19	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1316'	19. Proposed Depth 6220'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5892' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/27/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-16-08
Title	Office ENVIRONMENTAL MANAGER	

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

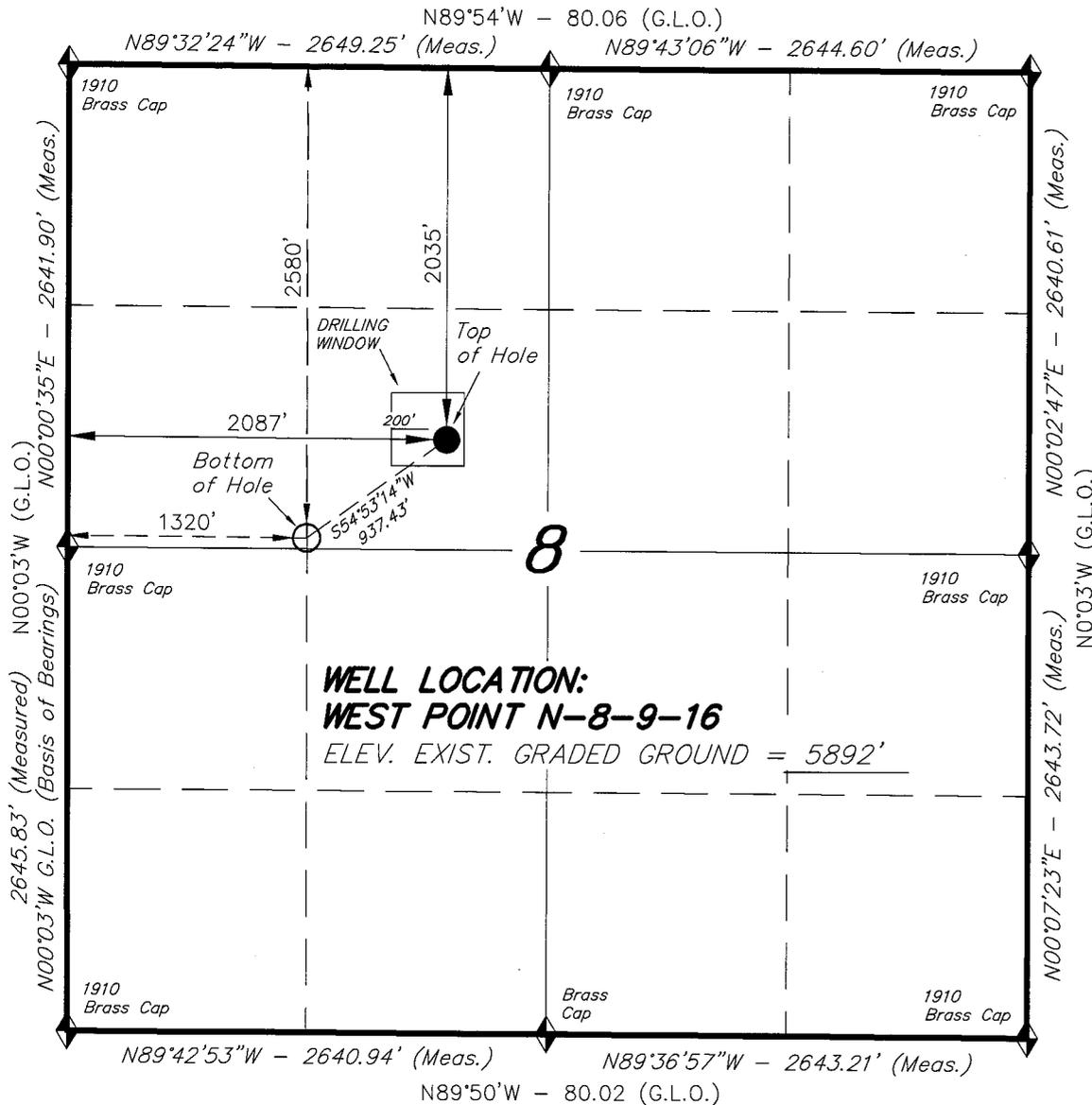
Surf 572972X  
4433122Y  
40.047069  
-110.144562

BHL  
Federal Approval of this  
Action is Necessary  
572740X  
4432955Y  
40.045584  
-110.147298

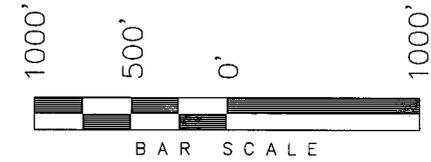
RECEIVED  
SEP 08 2008  
DIV. OF OIL, GAS & MINING

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

# NEWFIELD PRODUCTION COMPANY

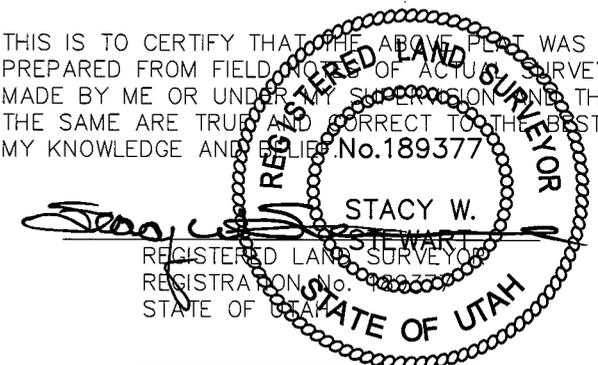


WELL LOCATION, WEST POINT N-8-9-16,  
 LOCATED AS SHOWN IN THE SE 1/4 NW  
 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**WEST POINT N-8-9-16**  
 ELEV. EXIST. GRADED GROUND = 5892'

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

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

**WEST POINT N-8-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 49.43"  
 LONGITUDE = 110° 08' 42.79"

DATE SURVEYED: 05-20-08	SURVEYED BY: C.M.
DATE DRAWN: 05-27-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
WEST POINT FEDERAL N-8-9-16  
AT SURFACE: SE/NW SECTION 8, 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' – 1629'
Green River	1629'
Wasatch	6220'

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

Green River Formation 1629' – 6220' - 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:**

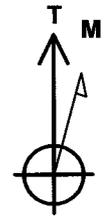
Please refer to the Monument Butte Field SOP.



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: West Point  
Well: West Point N-8-9-16  
Wellbore: OH  
Design: Plan #1

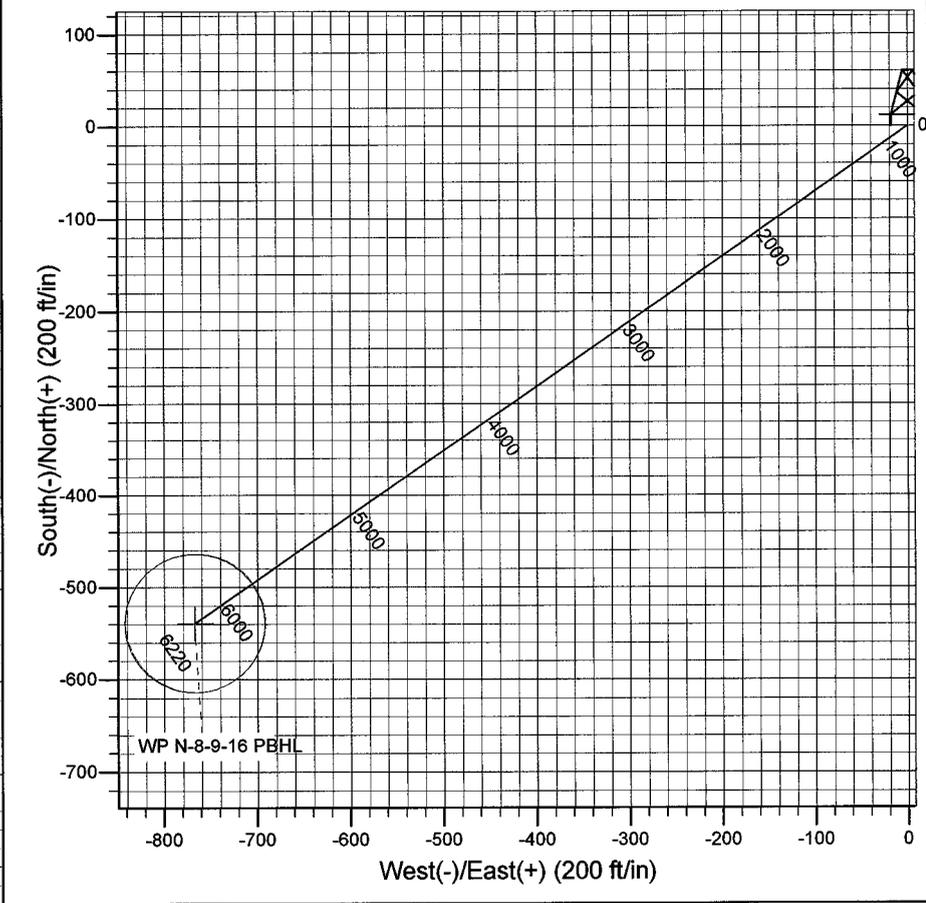
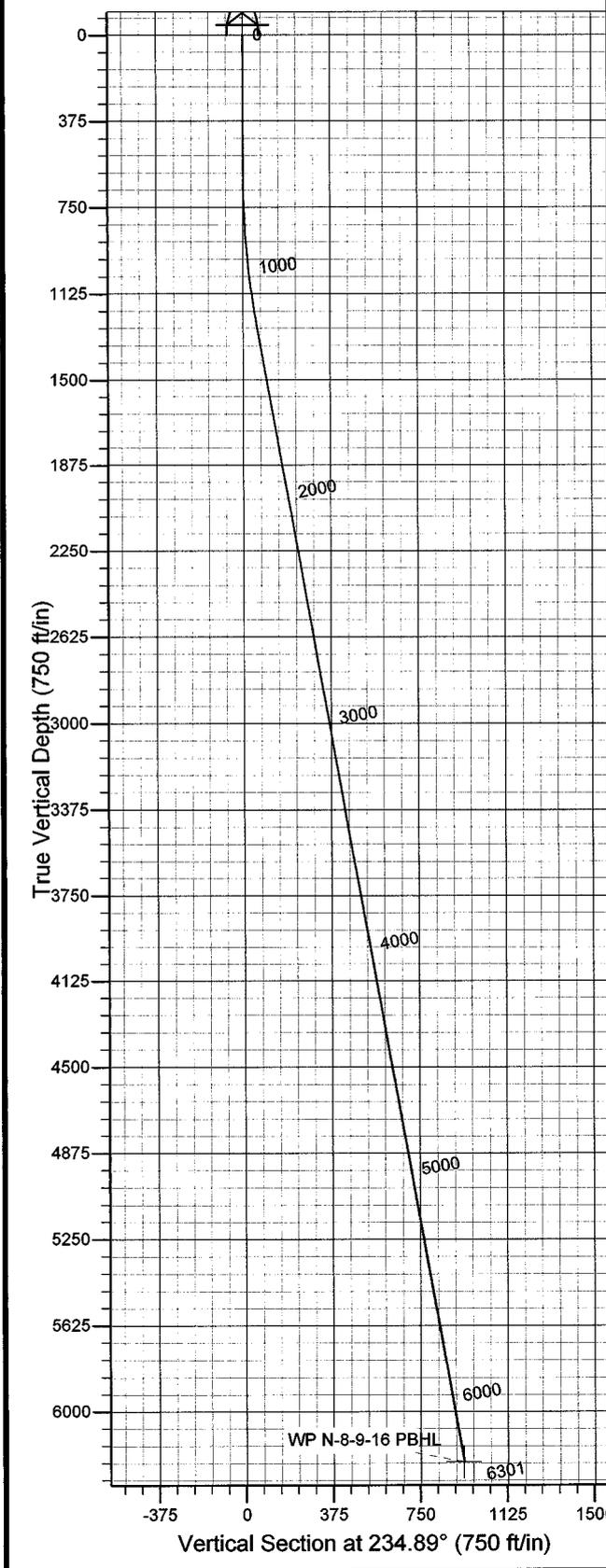
**Newfield Exploration Co.**



Azimuths to True North  
Magnetic North: 11.71°  
  
Magnetic Field  
Strength: 52570.4snT  
Dip Angle: 65.86°  
Date: 2008-07-14  
Model: IGRF2005-10

**WELL DETAILS: West Point N-8-9-16**

		GL 5892' & RKB 12' @ 5904.00ft		5892.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	7188753.43	2019669.11	40° 2' 49.430 N	110° 8' 42.790 W	



Plan: Plan #1 (West Point N-8-9-16/OH)
Created By: Julie Cruse Date: 2008-07-14
PROJECT DETAILS: Duchesne County, UT NAD83 UTC
Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone Location: System Datum: Mean Sea Level Local North: True

**SECTION DETAILS**

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1270.70	10.06	234.89	1267.26	-33.78	-48.05	1.50	234.89	58.73	
6300.78	10.06	234.89	6220.00	-539.16	-766.86	0.00	0.00	937.43	WP N-8-9-16 PBHL

**NEWFIELD PRODUCTION COMPANY  
WEST POINT FEDERAL N-8-9-16  
AT SURFACE: SE/NW SECTION 8, 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 West Point Federal N-8-9-16 located in the SE 1/4 NW 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 11.4 miles  $\pm$  to its junction with an existing dirt road to the southeast; proceed southeasterly - 0.4 miles  $\pm$  to its junction with an existing road to the north; proceed northeasterly - 1.1 miles  $\pm$  to its junction with the beginning of the access road to the existing West Point 6-8-9-16 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 West Point 6-8-9-16 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 West Point 6-8-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed West Point Federal N-8-9-16. 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**

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

Johnson Water District  
Water Right: 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed West Point Federal N-8-9-16 will be drilled off of the existing West Point 6-8-9-16 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 2260' of disturbed area be granted in Lease UTU-74390 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. Arch Report #1030-01, 4/23/98. Paleontological Resource Survey prepared by, Uintah Paleo, 3/7/98. See attached report cover pages, **Exhibit "D"**.

**Water Disposal**

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

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

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

None for the proposed West Point Federal N-8-9-16.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

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

**Details of the On-Site Inspection**

The proposed West Point Federal N-8-9-16 was on-sited on 7/16/08. The following were present; Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-8-9-16 SE/NW Section 8, Township 9S, Range 16E: Lease UTU-74390 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

8/27/08  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**West Point**

**West Point N-8-9-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**14 July, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point N-8-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well West Point N-8-9-16  
**TVD Reference:** GL 5892' & RKB 12' @ 5904.00ft  
**MD Reference:** GL 5892' & RKB 12' @ 5904.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

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

<b>Site</b>	West Point,				
<b>Site Position:</b>		<b>Northing:</b>	7,195,374.57 ft	<b>Latitude:</b>	40° 3' 55.470 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,015,574.76 ft	<b>Longitude:</b>	110° 9' 34.160 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.86 °

<b>Well</b>	West Point N-8-9-16, 2035' FNL 2087' FWL Sec 8 T9S R16E					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,188,753.43 ft	<b>Latitude:</b>	40° 2' 49.430 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,019,669.11 ft	<b>Longitude:</b>	110° 8' 42.790 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,892.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2008-07-14	11.71	65.86	52,570

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	234.89	

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	
1,270.70	10.06	234.89	1,267.26	-33.78	-48.05	1.50	1.50	0.00	234.89	
6,300.78	10.06	234.89	6,220.00	-539.16	-766.86	0.00	0.00	0.00	0.00	WP N-8-9-16 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
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**MD Reference:** GL 5892' & RKB 12' @ 5904.00ft  
**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	234.89	699.99	-0.75	-1.07	1.31	1.50	1.50	0.00
800.00	3.00	234.89	799.91	-3.01	-4.28	5.23	1.50	1.50	0.00
900.00	4.50	234.89	899.69	-6.77	-9.63	11.77	1.50	1.50	0.00
1,000.00	6.00	234.89	999.27	-12.03	-17.12	20.92	1.50	1.50	0.00
1,100.00	7.50	234.89	1,098.57	-18.79	-26.73	32.68	1.50	1.50	0.00
1,200.00	9.00	234.89	1,197.54	-27.05	-38.47	47.03	1.50	1.50	0.00
1,270.70	10.06	234.89	1,267.26	-33.78	-48.05	58.73	1.50	1.50	0.00
1,300.00	10.06	234.89	1,296.11	-36.72	-52.23	63.85	0.00	0.00	0.00
1,400.00	10.06	234.89	1,394.57	-46.77	-66.52	81.32	0.00	0.00	0.00
1,500.00	10.06	234.89	1,493.03	-56.82	-80.81	98.79	0.00	0.00	0.00
1,600.00	10.06	234.89	1,591.50	-66.87	-95.10	116.26	0.00	0.00	0.00
1,700.00	10.06	234.89	1,689.96	-76.91	-109.39	133.73	0.00	0.00	0.00
1,800.00	10.06	234.89	1,788.42	-86.96	-123.69	151.20	0.00	0.00	0.00
1,900.00	10.06	234.89	1,886.88	-97.01	-137.98	168.66	0.00	0.00	0.00
2,000.00	10.06	234.89	1,985.34	-107.05	-152.27	186.13	0.00	0.00	0.00
2,100.00	10.06	234.89	2,083.81	-117.10	-166.56	203.60	0.00	0.00	0.00
2,200.00	10.06	234.89	2,182.27	-127.15	-180.85	221.07	0.00	0.00	0.00
2,300.00	10.06	234.89	2,280.73	-137.20	-195.14	238.54	0.00	0.00	0.00
2,400.00	10.06	234.89	2,379.19	-147.24	-209.43	256.01	0.00	0.00	0.00
2,500.00	10.06	234.89	2,477.66	-157.29	-223.72	273.48	0.00	0.00	0.00
2,600.00	10.06	234.89	2,576.12	-167.34	-238.01	290.95	0.00	0.00	0.00
2,700.00	10.06	234.89	2,674.58	-177.38	-252.30	308.41	0.00	0.00	0.00
2,800.00	10.06	234.89	2,773.04	-187.43	-266.59	325.88	0.00	0.00	0.00
2,900.00	10.06	234.89	2,871.51	-197.48	-280.88	343.35	0.00	0.00	0.00
3,000.00	10.06	234.89	2,969.97	-207.53	-295.17	360.82	0.00	0.00	0.00
3,100.00	10.06	234.89	3,068.43	-217.57	-309.46	378.29	0.00	0.00	0.00
3,200.00	10.06	234.89	3,166.89	-227.62	-323.75	395.76	0.00	0.00	0.00
3,300.00	10.06	234.89	3,265.36	-237.67	-338.04	413.23	0.00	0.00	0.00
3,400.00	10.06	234.89	3,363.82	-247.71	-352.33	430.70	0.00	0.00	0.00
3,500.00	10.06	234.89	3,462.28	-257.76	-366.62	448.17	0.00	0.00	0.00
3,600.00	10.06	234.89	3,560.74	-267.81	-380.91	465.63	0.00	0.00	0.00
3,700.00	10.06	234.89	3,659.21	-277.86	-395.20	483.10	0.00	0.00	0.00
3,800.00	10.06	234.89	3,757.67	-287.90	-409.49	500.57	0.00	0.00	0.00
3,900.00	10.06	234.89	3,856.13	-297.95	-423.78	518.04	0.00	0.00	0.00
4,000.00	10.06	234.89	3,954.59	-308.00	-438.07	535.51	0.00	0.00	0.00
4,100.00	10.06	234.89	4,053.05	-318.04	-452.36	552.98	0.00	0.00	0.00
4,200.00	10.06	234.89	4,151.52	-328.09	-466.65	570.45	0.00	0.00	0.00
4,300.00	10.06	234.89	4,249.98	-338.14	-480.94	587.92	0.00	0.00	0.00
4,400.00	10.06	234.89	4,348.44	-348.19	-495.23	605.38	0.00	0.00	0.00
4,500.00	10.06	234.89	4,446.90	-358.23	-509.53	622.85	0.00	0.00	0.00
4,600.00	10.06	234.89	4,545.37	-368.28	-523.82	640.32	0.00	0.00	0.00
4,700.00	10.06	234.89	4,643.83	-378.33	-538.11	657.79	0.00	0.00	0.00
4,800.00	10.06	234.89	4,742.29	-388.37	-552.40	675.26	0.00	0.00	0.00
4,900.00	10.06	234.89	4,840.75	-398.42	-566.69	692.73	0.00	0.00	0.00
5,000.00	10.06	234.89	4,939.22	-408.47	-580.98	710.20	0.00	0.00	0.00
5,100.00	10.06	234.89	5,037.68	-418.52	-595.27	727.67	0.00	0.00	0.00
5,200.00	10.06	234.89	5,136.14	-428.56	-609.56	745.14	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** West Point  
**Well:** West Point N-8-9-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well West Point N-8-9-16  
**TVD Reference:** GL 5892' & RKB 12' @ 5904.00ft  
**MD Reference:** GL 5892' & RKB 12' @ 5904.00ft  
**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	10.06	234.89	5,234.60	-438.61	-623.85	762.60	0.00	0.00	0.00
5,400.00	10.06	234.89	5,333.07	-448.66	-638.14	780.07	0.00	0.00	0.00
5,500.00	10.06	234.89	5,431.53	-458.70	-652.43	797.54	0.00	0.00	0.00
5,600.00	10.06	234.89	5,529.99	-468.75	-666.72	815.01	0.00	0.00	0.00
5,700.00	10.06	234.89	5,628.45	-478.80	-681.01	832.48	0.00	0.00	0.00
5,800.00	10.06	234.89	5,726.92	-488.85	-695.30	849.95	0.00	0.00	0.00
5,900.00	10.06	234.89	5,825.38	-498.89	-709.59	867.42	0.00	0.00	0.00
6,000.00	10.06	234.89	5,923.84	-508.94	-723.88	884.89	0.00	0.00	0.00
6,100.00	10.06	234.89	6,022.30	-518.99	-738.17	902.36	0.00	0.00	0.00
6,200.00	10.06	234.89	6,120.76	-529.03	-752.46	919.82	0.00	0.00	0.00
6,300.00	10.06	234.89	6,219.23	-539.08	-766.75	937.29	0.00	0.00	0.00
6,300.78	10.06	234.89	6,220.00	-539.16	-766.86	937.43	0.00	0.00	0.00

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
WP N-8-9-16 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,220.00	-539.16	-766.86	7,188,202.72	2,018,910.50	40° 2' 44.101 N	110° 8' 52.651 W

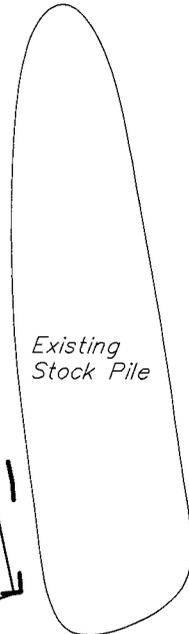
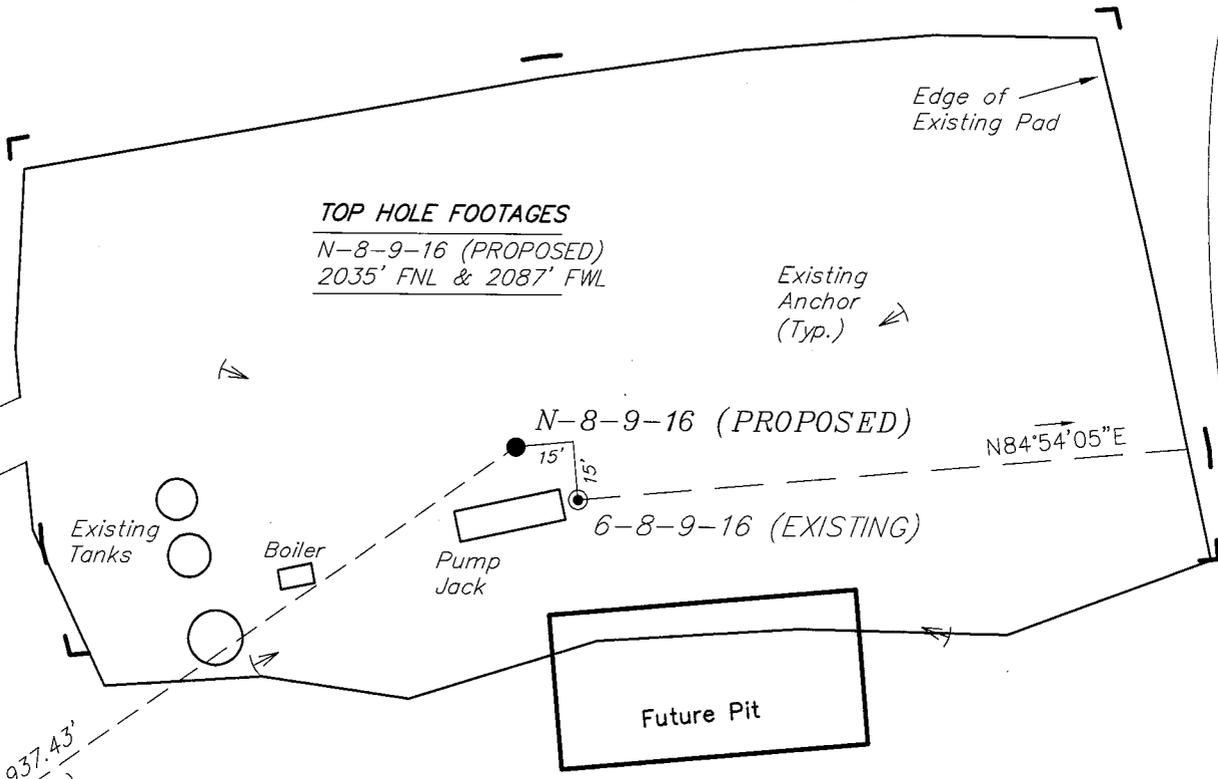
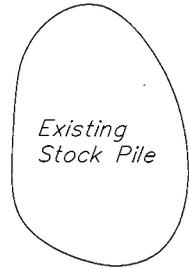
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

WEST POINT N-8-9-16 (Proposed Well)

WEST POINT 6-8-9-16 (Existing Well)

Pad Location: SENW Section 8, T9S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

N-8-9-16 (PROPOSED)  
2035' FNL & 2087' FWL

Existing Anchor (Typ.)

N-8-9-16 (PROPOSED)

6-8-9-16 (EXISTING)

N84°54'05"E

Existing Access

Existing Tanks

Boiler

Pump Jack

Future Pit

S54°53'14"W - 937.43'  
(To Bottom Hole)

### BOTTOM HOLE FOOTAGES

N-8-9-16 (PROPOSED)  
2580' FNL & 1320' FWL

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

WELL	LATITUDE	LONGITUDE
N-8-9-16	40° 02' 49.43"	110° 08' 42.79"
6-8-9-16	40° 02' 49.30"	110° 08' 42.58"

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
N-8-9-16	-539'	-767'

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

SURVEYED BY: C.M.	DATE SURVEYED: 05-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-27-08
SCALE: 1" = 50'	REVISED:

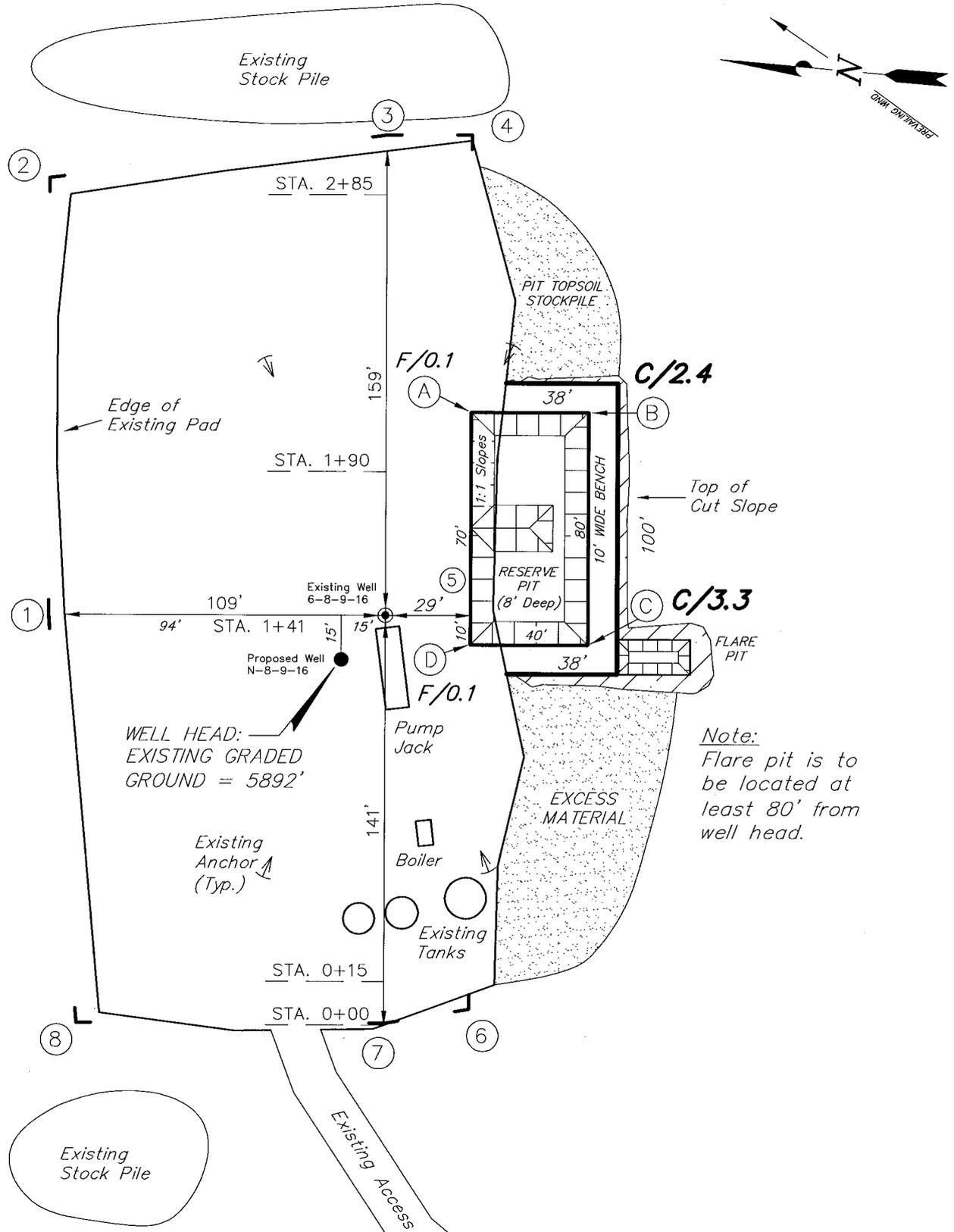
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

WEST POINT N-8-9-16 (Proposed Well)

WEST POINT 6-8-9-16 (Existing Well)

Pad Location: SENW Section 8, T9S, R16E, S.L.B.&M.



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

SURVEYED BY: C.M.	DATE SURVEYED: 05-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-27-08
SCALE: 1" = 50'	REVISED:

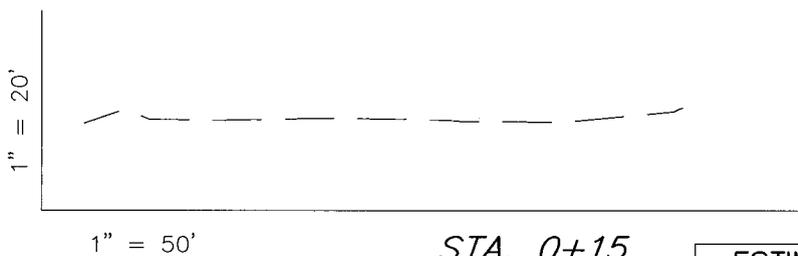
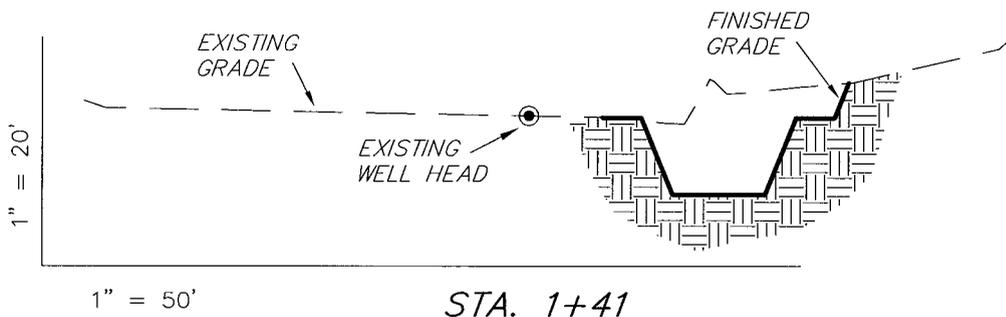
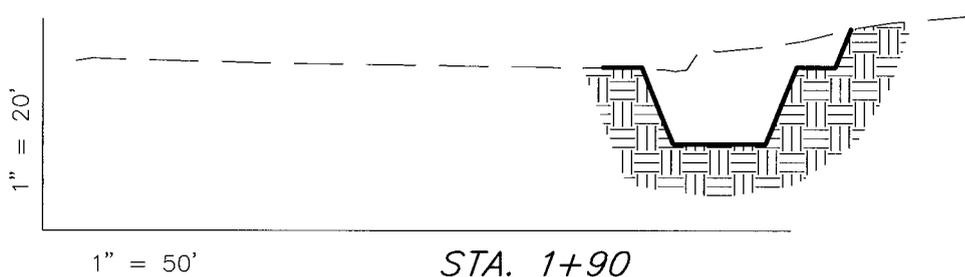
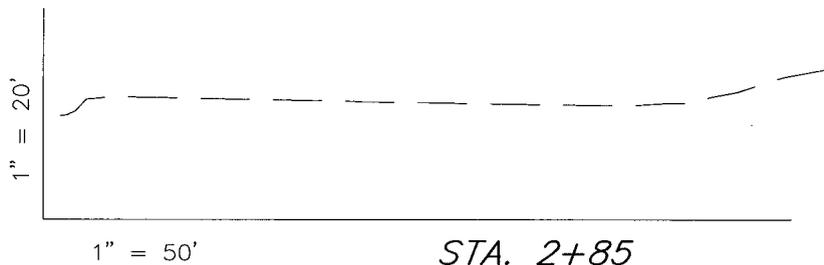
**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

WEST POINT N-8-9-16 (Proposed Well)

WEST POINT 6-8-9-16 (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	480	10	Topsoil is not included in Pad Cut	470
PIT	640	0		640
TOTALS	1,120	10	130	1,110

SURVEYED BY: C.M.	DATE SURVEYED: 05-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-27-08
SCALE: 1" = 50'	REVISED:

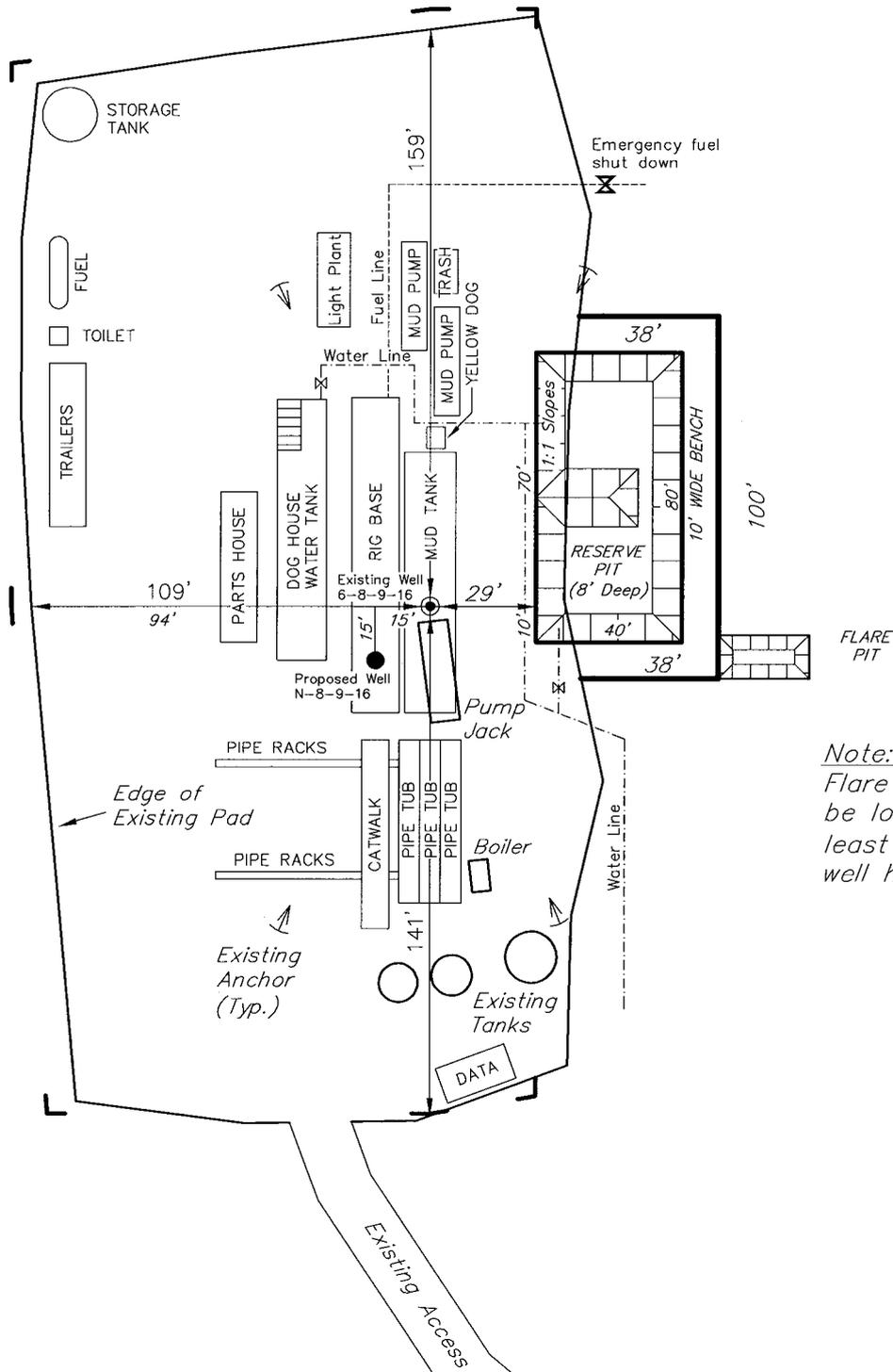
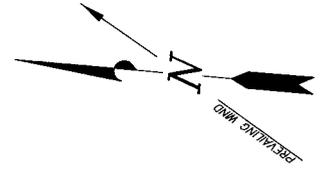
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

WEST POINT N-8-9-16 (Proposed Well)

WEST POINT 6-8-9-16 (Existing Well)



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

SURVEYED BY: C.M.	DATE SURVEYED: 05-20-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-27-08
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

West Point Federal N-8-9-16

From the 6-8-9-16 Location

SE/NW Sec. 8, T9S, R16E

Duchesne County, Utah

UTU-74390

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

**Production Phase:**

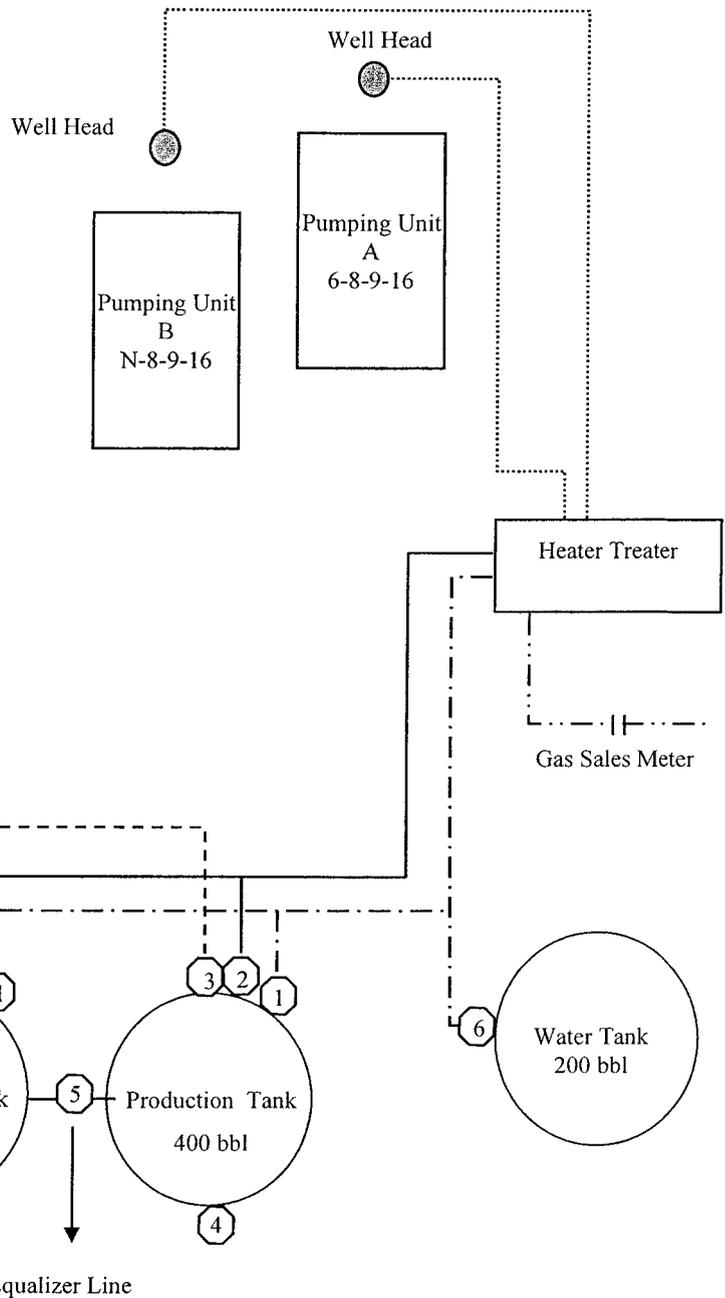
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

**Sales Phase:**

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

**Draining Phase:**

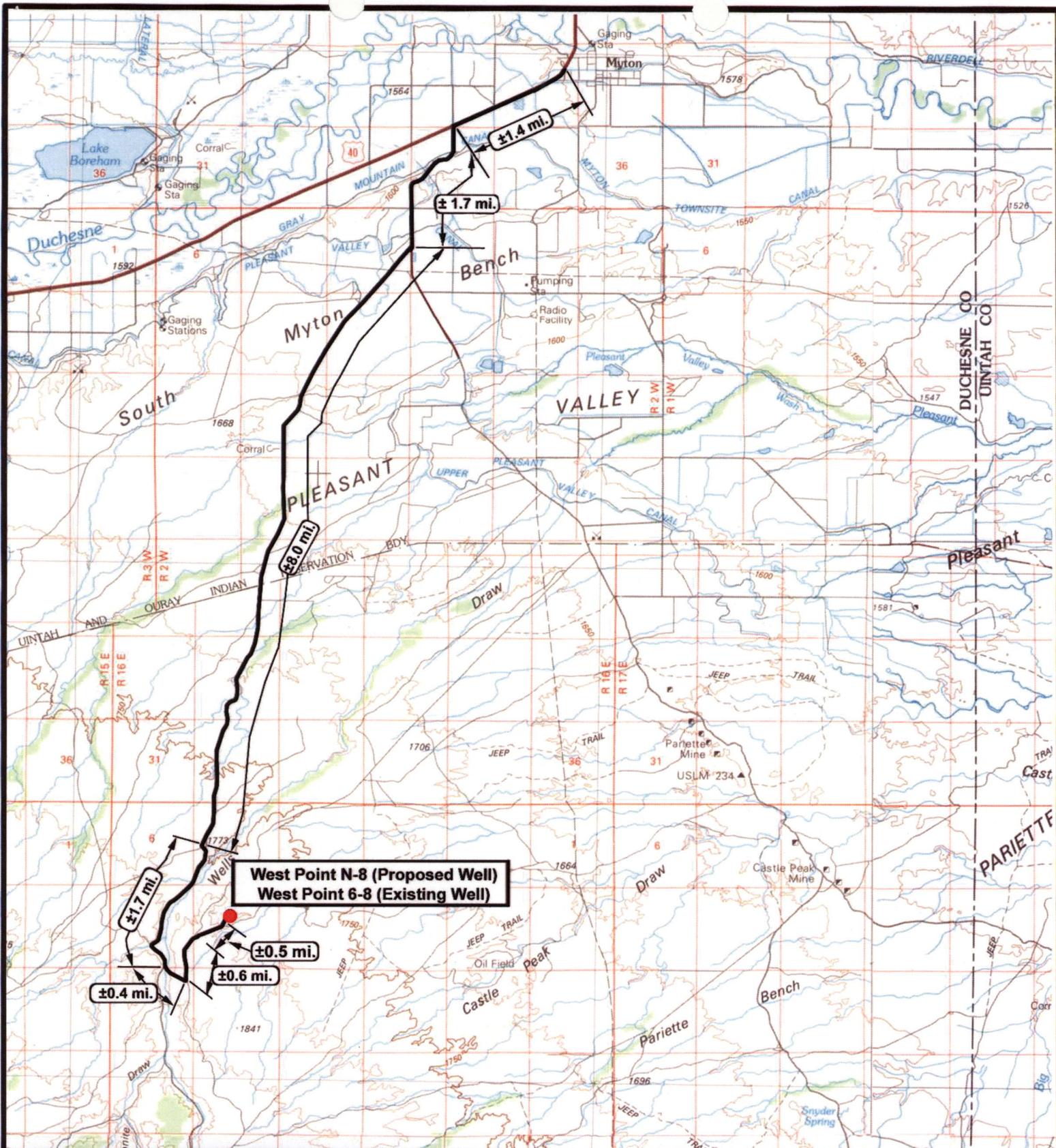
- 1) Valves 1 and 6 open



← Diked Section

**Legend**

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



**West Point N-8 (Proposed Well)**  
**West Point 6-8 (Existing Well)**

**NEWFIELD**  
 Exploration Company

**West Point N-8-9-16 (Proposed Well)**  
**West Point 6-8-9-16 (Existing Well)**  
 Pad Location SENW Sec. 8, T9S, R16E, S.L.B.&M.



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

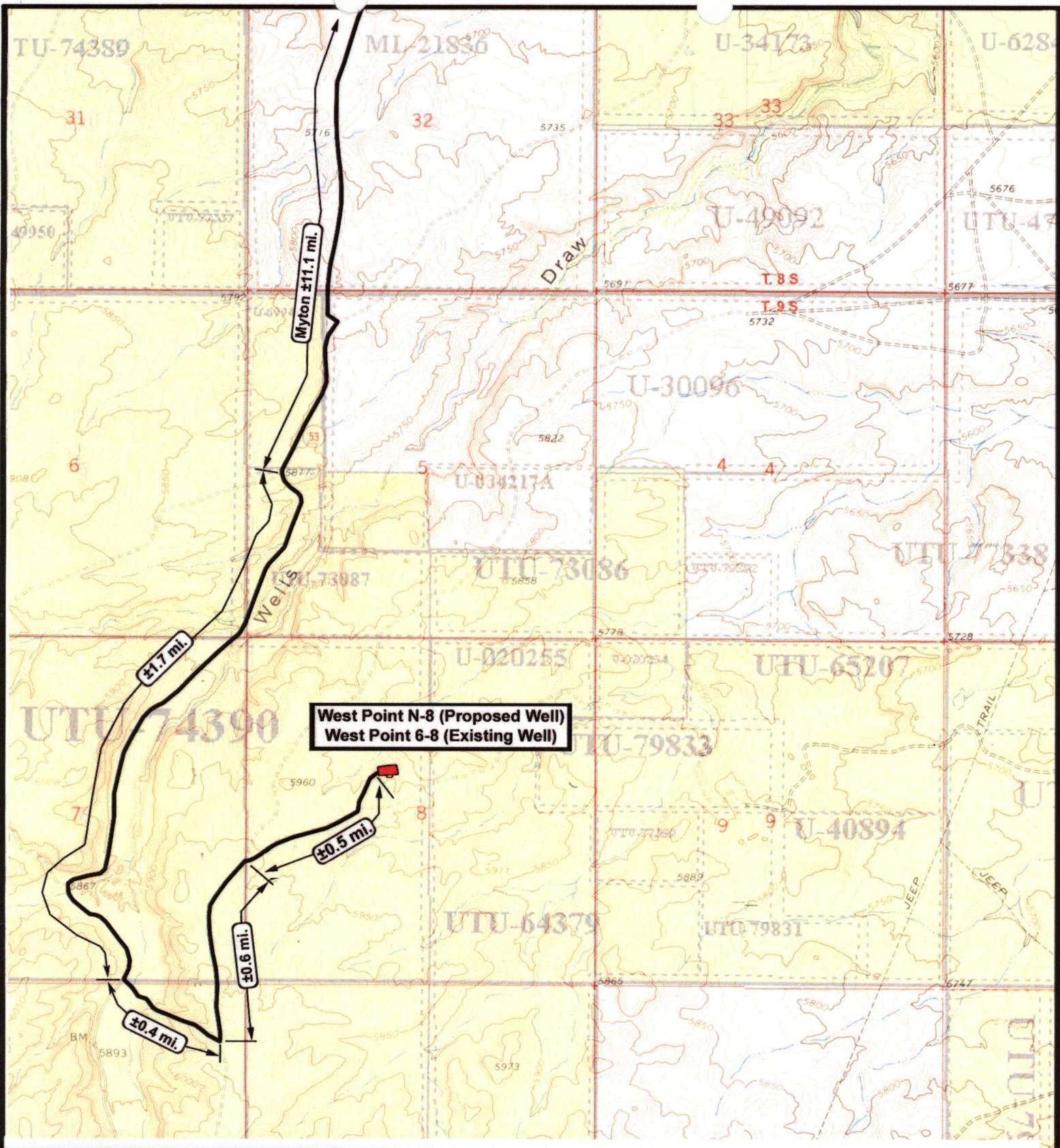
SCALE: 1 = 100,000  
 DRAWN BY: JAS  
 DATE: 06-20-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**West Point N-8-9-16 (Proposed Well)**  
**West Point 6-8-9-16 (Existing Well)**  
Pad Location SENW Sec. 8, T9S, R16E, S.L.B.&M.



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

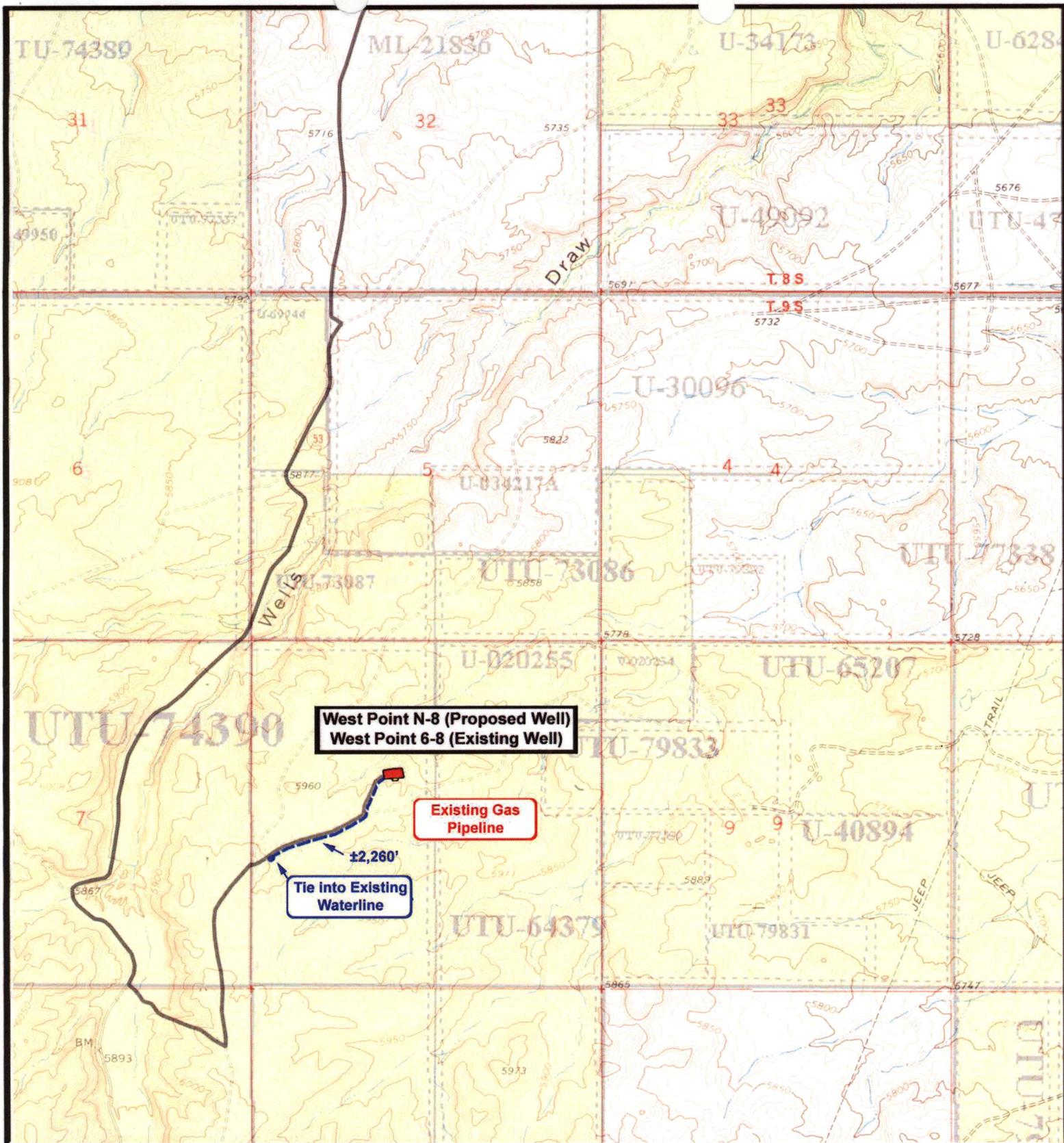
SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 06-20-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"B"**



**West Point N-8 (Proposed Well)**  
**West Point 6-8 (Existing Well)**

**Existing Gas Pipeline**

**Tie into Existing Waterline**  
 ±2,260'

**NEWFIELD**  
 Exploration Company

**West Point N-8-9-16 (Proposed Well)**  
**West Point 6-8-9-16 (Existing Well)**  
 Pad Location SENW Sec. 8, T9S, R16E, S.L.B.&M.



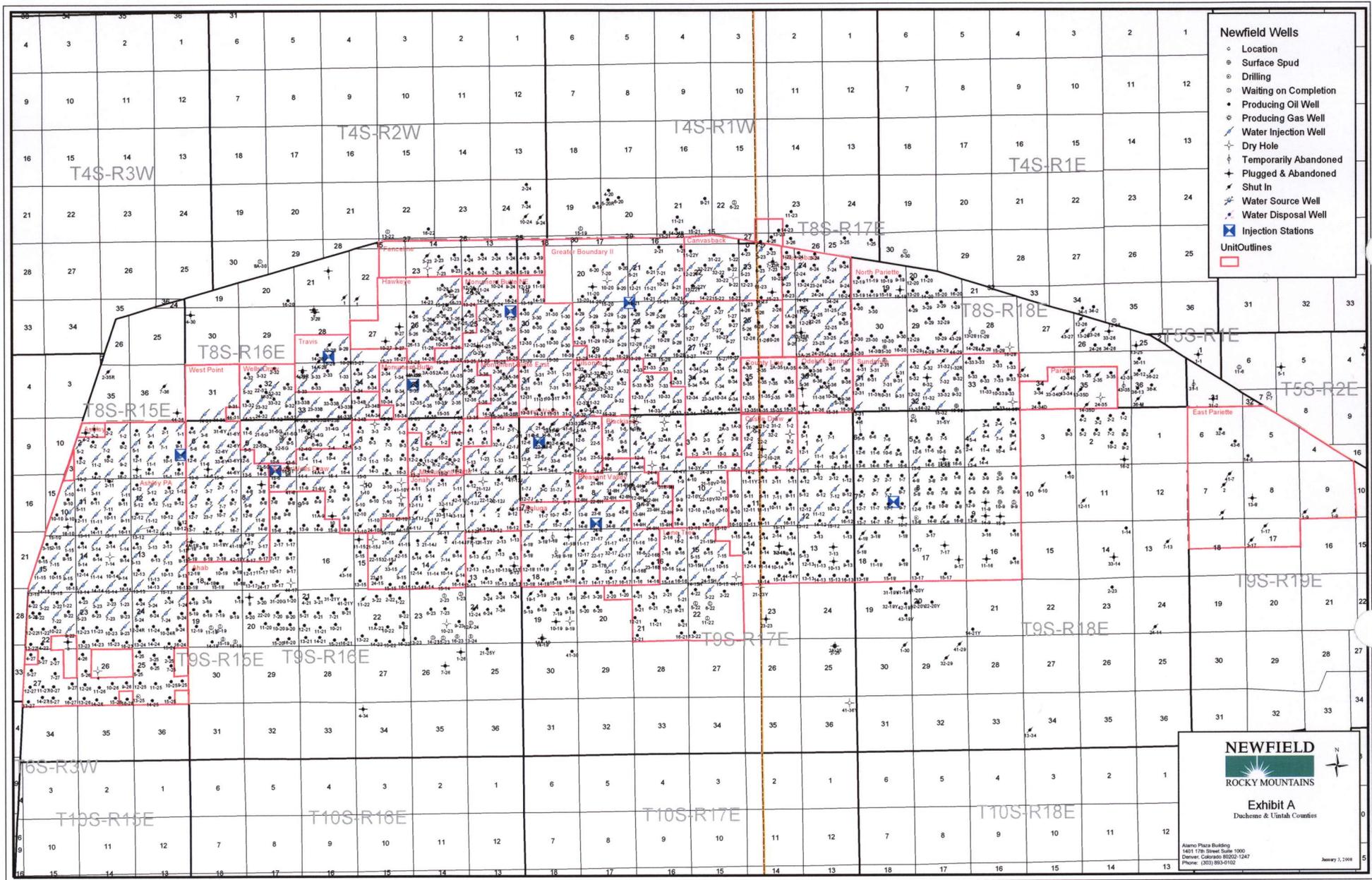
**Tri-State**  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

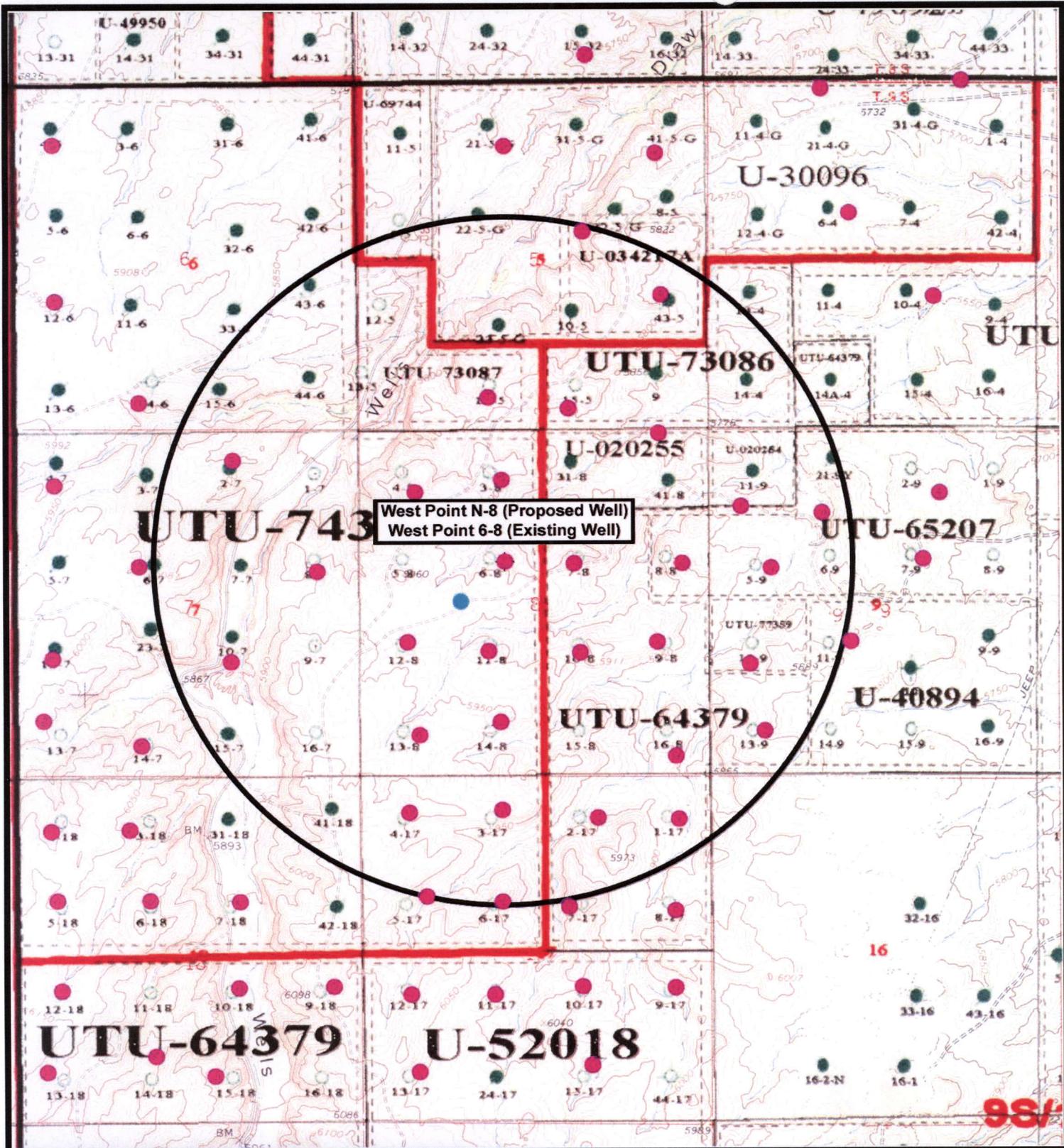
SCALE: 1" = 2,000'  
 DRAWN BY: JAS  
 DATE: 06-20-2008

**Legend**

- Roads
- Proposed Water Line

TOPOGRAPHIC MAP  
**"C"**





West Point N-8 (Proposed Well)  
 West Point 6-8 (Existing Well)



**West Point N-8-9-16 (Proposed Well)**  
**West Point 6-8-9-16 (Existing Well)**  
 Pad Location SENW Sec. 8, T9S, R16E, S.L.B.&M.



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

SCALE: 1" = 2,000'  
 DRAWN BY: JAS  
 DATE: 08-28-2008

**Legend**

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

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

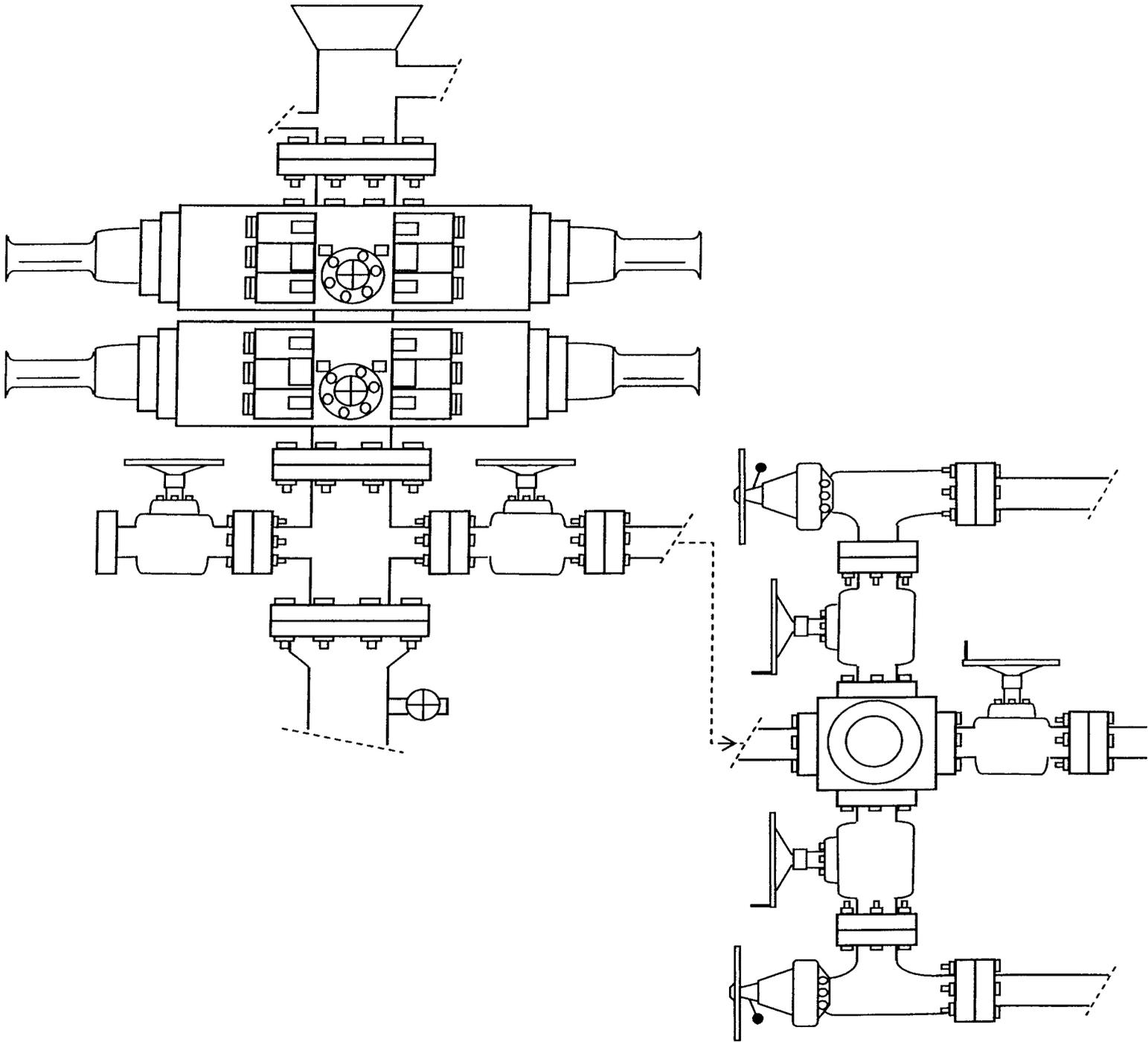


EXHIBIT C

Exhibit "D"  
1 of 2

A CULTURAL RESOURCE SURVEY OF THE SOUTH WELLS DRAW UNIT,  
DUCHESNE COUNTY, UTAH

by  
Ann Polk  
and  
Danielle Diamond

Prepared for:  
Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84079-0233

Prepared by:  
Sagebrush Consultants, L.L.C.  
3670 Quincy Avenue, Suite 203  
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 97-UT-54630

and

Utah State Antiquities Permit No. U-97-SJ-0780b.

Archaeological Report No. 1030-01

April 23, 1998

2050

**PALEONTOLOGICAL FIELD SURVEY REPORT**

**INLAND PRODUCTION COMPANY**

**SOUTH WELLS DRAW UNIT**

**SECTIONS 4, 5, 8, 9, AND 17**

**TOWNSHIP 9 SOUTH, RANGE 16 EAST**

**DUCHESNE COUNTY, UTAH**

**March 7, 1998**

**UINTA**



**PALEO**

*Uinta #98-2A  
and addendum  
98-2B*

**BY**

**SUE ANN BILBEY, Ph.D.  
GEOLOGIST AND PALEONTOLOGIST  
UINTA PALEONTOLOGICAL ASSOCIATES  
446 SOUTH 100 WEST  
VERNAL, UTAH 84078  
801-789-1033**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/08/2008

API NO. ASSIGNED: 43-013-34079

WELL NAME: W POINT FED N-8-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

SENW 08 090S 160E  
 SURFACE: 2035 FNL 2087 FWL  
 BOTTOM: 2580 FNL 1320 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.04707 LONGITUDE: -110.1446  
 UTM SURF EASTINGS: 572972 NORTHINGS: 4433122  
 FIELD NAME: MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74390  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

- R649-2-3.
- Unit: WEST POINT (GRRV)
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 231-2  
Eff Date: 5-14-1998  
Siting: Suspended General Siting
- R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Lease Approval

API Number: 4301334079

Well Name: W POINT FED N-8-9-16

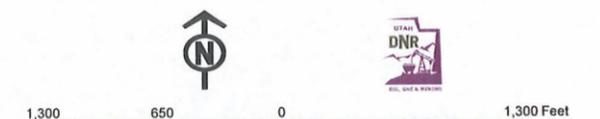
Township 09.0 S Range 16.0 E Section 08

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
Map Produced by Diana Mason

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



1:12,000





September 4, 2008

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

RE: Directional Drilling  
**West Point Federal N-8-9-16**  
West Point Unit  
UTU-77107X  
Surface Hole: T9S R16E, Section 8: SENW  
2035' FNL 2087' FWL  
Bottom Hole: T9S R16E, Section 8  
2580' FNL 1320' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated August 27, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the West Point Unit UTU-77107X. Newfield certifies that it is the West Point Unit Operator and all lands within 460 feet of the entire directional well bore are within the West Point Unit.

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

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

Sincerely,  
NEWFIELD PRODUCTION COMPANY

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

Roxann Eveland  
Land Associate

RECEIVED  
SEP 08 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74390
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. West Point Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. West Point Federal N-8-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 2035' FNL 2087' FWL At proposed prod. zone 2580' FNL 1320' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.3 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 8, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1320' f/lse, 1320' f/unit	16. No. of Acres in lease 2037.19	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. 1316'	19. Proposed Depth 6220'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5892' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/27/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

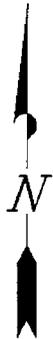
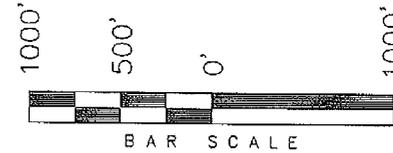
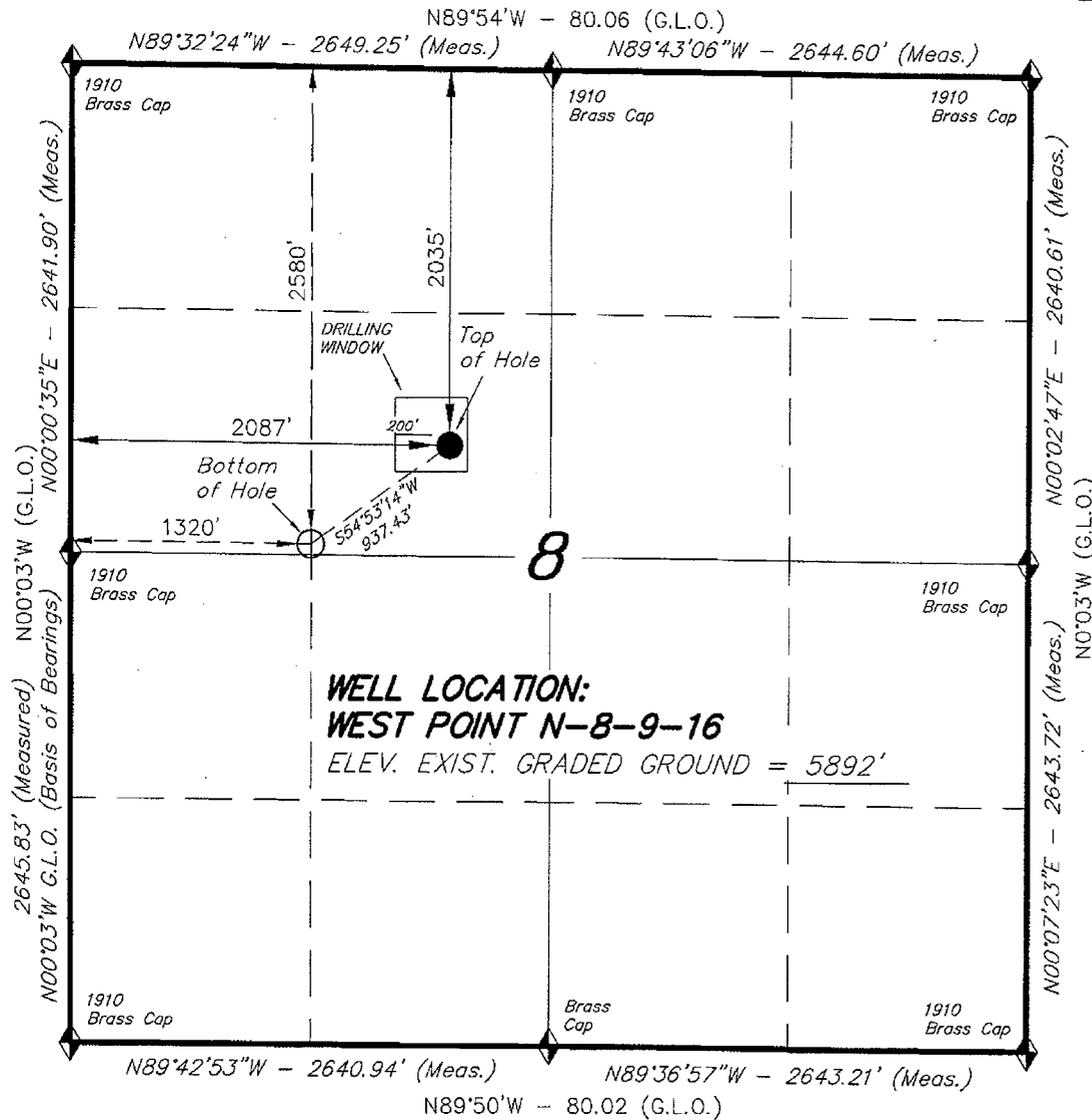
\*(Instructions on reverse)

RECEIVED  
SEP 08 2008  
DIV. OF OIL, GAS & MINING

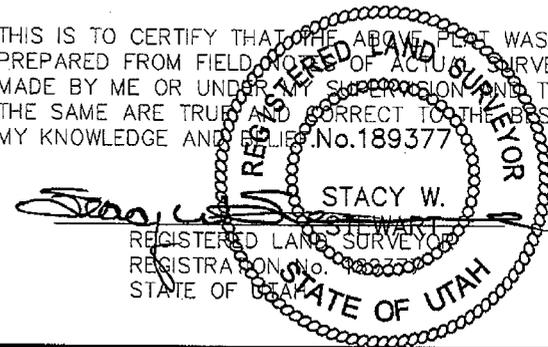
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, WEST POINT N-8-9-16,  
 LOCATED AS SHOWN IN THE SE 1/4 NW  
 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



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



**TRI STATE LAND SURVEYING & CONSULTING**

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

DATE SURVEYED: 05-20-08	SURVEYED BY: C.M.
DATE DRAWN: 05-27-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

**WEST POINT N-8-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 49.43"  
 LONGITUDE = 110° 08' 42.79"

# 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)

September 16, 2008

Memorandum

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

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

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34076	W Point Fed G-6-9-16 Sec 06 T09S R16E 1992 FNL 1870 FWL	BHL Sec 06 T09S R16E 1315 FNL 1235 FWL
43-013-34077	W Point Fed N-6-9-16 Sec 06 T09S R16E 2030 FSL 0545 FWL	BHL Sec 06 T09S R16E 2624 FSL 1195 FWL
43-013-34078	W Point Fed K-7-9-16 Sec 07 T09S R16E 1982 FSL 0643 FEL	BHL Sec 07 T09S R16E 2685 FSL 0050 FEL
43-013-34079	W Point Fed N-8-9-16 Sec 08 T09S R16E 2035 FNL 2087 FWL	BHL Sec 08 T09S R16E 2580 FNL 1320 FWL

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

/s/ Michael L. Coulthard

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



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 16, 2008

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

Re: West Point Federal N-8-9-16 Well, Surface Location 2035' FNL, 2087' FWL, SE NW,  
Sec. 8, T. 9 South, R. 16 East, Bottom Location 2580' FNL, 1320' FWL, SE NW,  
Sec. 8, 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 43-013-34079.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** West Point Federal N-8-9-16  
**API Number:** 43-013-34079  
**Lease:** UTU-74390

**Surface Location:** SE NW      **Sec. 8**      **T. 9 South**      **R. 16 East**  
**Bottom Location:** SE NW      **Sec. 8**      **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 Dustin Doucet at (801) 538-5281      (801) 733-0983 home

**3. Reporting Requirements**

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

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

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

RECEIVED  
VERNAL FIELD OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74390
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. West Point Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. West Point Federal N-8-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 34079
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 2035' FNL 2087' FWL At proposed prod. zone 2580' FNL 1320' FWL SE/NW		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.3 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 8, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1320' f/lse, 1320' f/unit	16. No. of Acres in lease 2037.19	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1316'	19. Proposed Depth 6220'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5892' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/27/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jay Kuczek	Date OCT 24 2008
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. **CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

NOS 07/08/08

NOTICE OF APPROVAL

RECEIVED

AFMSS# 08 PPO 963A  
UDOGM

OCT 29 2008

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**

<b>Company:</b>	<b>Newfield Production Company</b>	<b>Location:</b>	<b>SENW, Sec. 6, T9S, R16E (S) SENW, Sec. 6, T9S, R16E (B)</b>
<b>Well No:</b>	<b>West Point Federal N-8-9-16</b>	<b>Lease No:</b>	<b>UTU-74390</b>
<b>API No:</b>	<b>43-013-34079</b>	<b>Agreement:</b>	<b>West Point Unit</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
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:	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 Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

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

**SITE SPECIFIC COAs:**

**STIPULATIONS:**

None

**Lease Notices from RMP:**

The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

**Comments:**

NONE

**Follow-up Actions and/or Recommendations:**

**Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) shall require additional surveys and clearances.**

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- 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.
- 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.
- To insure impermeability, the reserve pit will be lined with a 16 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.
- 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.
- 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.
- **Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.**

• **Interim Reclamation:**

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 re-contoured and the topsoil re-spread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

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

• **Final reclamation:**

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

- 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.
- 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 re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should 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 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 PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**SITE SPECIFIC DOWNHOLE COAs:**

- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP.
- Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of the directional survey shall be submitted to the BLM Vernal Field Office.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

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

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# \_\_\_\_\_ Ross # \_\_\_\_\_  
29 \_\_\_\_\_ Submitted By Jim Smith Phone \_\_\_\_\_  
Number 823-2072  
Well Name/Number \_\_\_\_\_ <sup>Fed</sup> West Point N-8-9-16

Qtr/Qtr SE/NW Section 8 Township 9S Range  
16E  
Lease Serial Number \_\_\_\_\_ UTU-74390

API Number \_\_\_\_\_ 43-013-34079

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

Date/Time 3/20/09 10:00 AM   
PM

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

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

Date/Time 3/21/09 8:00 AM   
PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point

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		
B	99999	11880 ✓	4301334086	BELUGA FEDERAL H-17-9-17	NWNE	17	9S	17E	DUCHESNE	3/24/2009	3/31/09
WELL 1 COMMENTS: <i>GRRW</i> <i>BHL = N WNE</i>											
B	99999	13269	4301339981	SOUTH WELLS DRAW U-5-9-16	NWNW	5	9S	16E	DUCHESNE	3/25/2009	
B	99999	12418 ✓	4301334079	WEST POINT <sup>Fed</sup> N-8-9-16	SENW	8	9S	16E	DUCHESNE	3/20/2009	3/31/09
WELL 2 COMMENTS: <i>GRRW</i> <i>BHL = SENW</i>											
B	99999	15150 ✓	4301334064	MON BUTTE NE QA-25-8-16	NWSW	25	8S	16E	DUCHESNE	3/18/2009	3/31/09
WELL 3 COMMENTS: <i>GRRW</i> <i>BHL = NESW</i>											
B	99999	12418 ✓	4301334078	WEST POINT <sup>Fed</sup> K-7-9-16	NESE	7	9S	16E	DUCHESNE	3/17/2009	3/31/09
WELL 5 COMMENTS: <i>GRRW</i> <i>BHL = NESE</i>											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

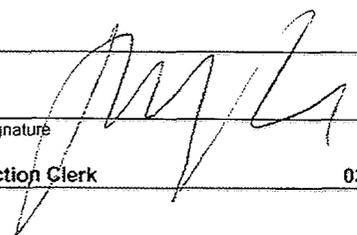
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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

RECEIVED

MAR 26 2009

DIV. OF OIL, GAS & MINING

Signature  Jentri Park  
 Production Clerk  
 Date 03/26/09

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

Section 8 T9S R16E

5. Lease Serial No.

USA UTU-74390

6. If Indian, Allottee or Tribe Name.

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

WEST POINT UNIT

8. Well Name and No.

WEST POINT FEDERAL N-8-9-16

9. API Well No.

4301334079

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	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 recomplate 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 3/20/09 MIRU Ross # 21. Spud well @ 10:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.85' On 3/25/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 2 bbls cement to pit. WOC.

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

Don Bastian

Signature

*Don Bastian*

Title

Drilling Foreman

Date

03/25/2009

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

Approved by \_\_\_\_\_

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

Title

Date

Office

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

(Instructions on page 2)

RECEIVED

MAR 30 2009

DIV. OF OIL, GAS & MINING





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

Section 8 T9S R16E

5. Lease Serial No.

USA UTU-74390

6. If Indian, Allottee or Tribe Name.

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

WEST POINT UNIT

8. Well Name and No.

WEST POINT FEDERAL N-8-9-16

9. API Well No.

4301334079

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

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

On 4/10/09 MIRU NDSI Rig # 1. 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 @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6132'. 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, 158 jt's of 5.5 J-55, 15.5# csgn. Set @ 6119' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 10 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 120,000 #'s tension. Release rig @ 2:30 PM on 4/18/09.

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

Justin Crum

Signature

Title

Drilling Foreman

Date

05/03/2009

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

Approved by

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

Title

Date

Office

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

**RECEIVED**

(Instructions on page 2)

**MAY 12 2009**

DIV. OF OIL, GAS & MINING





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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74390

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: WEST POINT UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630                      CITY Myton                      STATE UT                      ZIP 84052		8. WELL NAME and NUMBER: WEST POINT FEDERAL N-8-9-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		9. API NUMBER: 4301334079
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:    , 8, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>07/02/2009</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 05/08/09, attached is a daily completion status report.

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE	DATE <u>07/02/2009</u>

(This space for State use only)

**RECEIVED**  
**JUL 06 2009**  
DIV. OF OIL, GAS & MINING

**Daily Activity Report**

**Format For Sundry**  
**W POINT N-8-9-16**  
**3/1/2009 To 7/30/2009**

**4/27/2009 Day: 1****Completion**

Rigless on 4/27/2009 - pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL. Perforate stage #1. CP2 sds @ 5827-5835' & CP1 sds @ 5808-5814' & CP.5 sds @ 5762-5768 - 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 @ 6020' cement top @ 28'. Perforate stage #1. CP2 sds @ 5827-5835' & CP1 sds @ 5808-5814' & CP.5 sds @ 5762-5768' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. 137 BWTR. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$11,850**5/1/2009 Day: 2****Completion**

Rigless on 5/1/2009 - (5-1-09) MIRU BJ Services & Perforators LLC. Frac & perforate 6 stages. RD BJ & Perforators LLC. Flowed well back for 7hrs. Well turn to oil. SIWFN w/ 380 psi. 1170 BWTR. - Stage #2, LODC sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 10' perf gun. Set plug @ 5610'. Perforate LODC sds @ 5513- 23' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 1247 psi on well. Broke down @ 4088 psi @ 2 BPM. ISIP 1691 psi, 1 min 1507 psi, 4 min 1422 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac LODC sds w/ 40,685#'s of 20/40 sand in 422 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2414 psi @ ave rate of 27.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2685 psi, 5 min 2380 psi, 10 min 2175 psi, 15 min 2063 psi. Leave pressure on well. 887 BWTR. - Stage #1, CP1,2,3 sands. RU BJ Services. 0 psi on well. Broke down @ 2464 psi @ 3 BPM. ISIP 1169 psi, 1 min 583 psi, 4 min 332 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac CP.5,1,2 w/ 19,403#'s of 20/40 sand in 328 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2199 psi @ ave rate of 27.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2010 ps, 5 min 1806 psi, 10 min 1672 psi, 15 min 1593 psi. Leave pressure on well. 465 BWTR - Stage #5, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 4490'. Perforate GB6 sds @ 4396-4404' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1585 psi on well. Broke down @ 1754 psi @ 3.6 BPM. NO ISIP, 1 min or 4 min due to low pressure. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac GB6 sds w/ 14,673#'s of 20/40 sand in 260 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2246 psi @ ave rate of 28 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISDP 1884 psi, 5 min 1691 psi, 10 min 1645 psi, 15 min 1615 psi. Leave pressure on well. 1961 BWTR. - Stage #6, GB4 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 4360'. Perforate GB4 sds @ 4312- 4318' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1500 psi on well. Broke down @ 2371 psi @ 3.2 BPM. ISIP 1877 psi, 1 min 1733 psi, 4 min 1616 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac GB4 sds w/ 17,198#'s of 20/40 sand in 255 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2577 psi @ ave rate of 28 BPM. Screened out 7.5 bbls short of flush. Left 2470#'s of sand in pipe, 14,728#'s in formation. ISDP 3242 psi, 5 min 1820 psi, 10 min 1615 psi, 15 min 1596 psi. Begin flowback on 20/64 choke @ 3 BPM. Flowed for 7 hrs & turned to oil. Rec 1046 BTF.

SIWFN w/ 380 psi. 1170 BWTR. - Stage #4, D1 & DS3 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' & 5' perf gun. Set plug @ 4960'. Perforate D1 sds @ 4860- 68', DS3 sds @ 4803- 4808' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. RU BJ Services. 1626 psi on well. Broke down @ 2223 psi @ 3.1 BPM. ISIP 1803 psi, NO 1 min or 4 min due to low pressure. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac D1 & DS3 sds w/ 35,127#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2039 psi @ ave rate of 27.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 2317 psi, 5 min 1939 psi, 10 min 1827 psi, 15 min 1734 psi. Leave pressure on well. 1701 BWTR. - Stage #3, A3 & A1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 11' & 6' perf gun. Set plug @ 5380'. Perforate A3 sds @ 5288- 5299', A1 sds @ 5268- 5274' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. RU BJ Services. 1918 psi on well. Broke down @ 3175 psi @ 1.8 BPM. NO ISIP, 1 min or 4 min due to low pressure. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Frac A1 & A3 sds w/ 45,517#'s of 20/40 sand in 449 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2166 psi @ ave rate of 27.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2321 psi, 5 min 2166 psi, 10 min 2092 psi, 15 min 2014 psi. Leave pressure on well. 1336 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$96,472

**5/4/2009 Day: 3**

**Completion**

Rigless on 5/4/2009 - (5-4-09) 900 psi on well. MIRU WL set kill plug @ 4280'. Bleed off pressure. RD WL. MIRU Nabors rig #809. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" bit & tbg. - (5-4-09) 900 psi on well. MIRU Perforators LLC WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" solid composite plug. Set plug @ 4280'. RD WL. Bleed off pressure. MIRU Nabors 809. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 137- jts of 2 7/8 J-55 tbg. Tagged kill plug @ 4280'. RU pump, lines & drilling equipment. SIWFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$104,304

**5/5/2009 Day: 4**

**Completion**

Nabors #809 on 5/5/2009 - Drill out kill plug & 2 flow through plugs. Had trouble w/ nabors power swivel. Changed out power swivel. - Nabors down time. Fix power swivel. - 0 psi on well. Circulate well w/ 90 bbls of wtr. Drill out kill plug @ 4280' (1 1/2 hrs). Swivel in hole w/ 3 jts of tbg. Tagged plug @ 4360'. Drill out plug (2 hrs, Max of 60 RPM on power swivel). RD Nabors power swivel. RIH w/ 4 jts of tbg. Tagged plug @ 4490'. RU Nabors power swivel. Drill on plug for 1/2 hr. RD Nabors power swivel. RU Weatherford power swivel. Drill out plug @ 4490' in 20 mins. Swivel in hole w/ 14 jts of tbg. Tagged sand @ 4920'. RD Weatherford power swivel. LD 2 jts of tbg. EOT @ 4873'. SIWFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$110,144

**5/6/2009 Day: 5**

**Completion**

Nabors #809 on 5/6/2009 - (5-6-09) Drill out remaining 3 plug. C/O to PBTD. Swab. SIWFN w/ 979 BWTR. - (5-7-09) 900 psi on well. Bleed of pressure. Pump 30 bbls down tbg to kill well. TIH w/ 2 jts of tbg. RU Weatherford power swivel. Drilled out plugs as follows: Tagged sand @ 4920', Plug @ 4960' (Drilled up in 22 mins), Tagged sand @ 5270', Plug @

5380' (Drilled out in 10 mins), Tagged sand @ 5533', Plug @ 5610' (Drilled up in 44 mins), Tagged sand @ 5973'. C/O to PBD @ 6078'. RD Weatherford power swivel. POH w/ 4 jts of tbg. EOT @ 5941'. RU swab equipment. IFL @ surface. Made 12 runs. Rec 115 BTF. Trace of oil, No sand. FFL @ 600'. SIWFN 979 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$115,899

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**5/8/2009 Day: 6**

**Completion**

Nabors #809 on 5/8/2009 - 5/07/09: Round trip tbg. PU rods. 1069 BWTR. - Tbg. @ 450 psi, csg. @ 400 psi. Bleed off well. Kill tbg. w/ 20 bbls water. RIH w/ tbg. Tag PBD @ 6078'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 184 jts 2 7/8" tbg. ND BOP. Set TAC @ 5791' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbs water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 24' RHAC rod pump, 21,000# shear coupler, 4- 1 1/2" weight bars, 229- 7/8" guided rods (8 per), 1- 8', 6', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. SWIFN. 1069 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$121,874

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**5/11/2009 Day: 7**

**Completion**

Nabors #809 on 5/11/2009 - (5-8-09) Hang head, Space out rods, Pressure test to 800 psi w/ unit. RDMOSU. POP 5-8-09 @ 8:50 AM w/ 168" SL @ 4 1/2 SPM. 1069 BWTR. - (5-8-09) PU horse. Hang head, Space out rods. Pressure test to 800 psi w/ unit. RDMOSU. POP 5-8-09 @ 8:50 AM w/ 168" SL @ 4 1/2 SPM. 1069 BWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$203,325

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

2. Name of Operator: NEWFIELD EXPLORATION COMPANY  
 6. If Indian, Allottee or Tribe Name: NA

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202  
 3a. Phone No. (include area code): (435)646-3721  
 7. Unit or CA Agreement Name and No.: WEST POINT  
 8. Lease Name and Well No.: WEST POINT FEDERAL N-8-9-16

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 2035' FNL & 2087' FWL (SE/NW) SEC. 8, T9S, R16E  
 At top prod. interval reported below BHL: 2580' FNL & 1320' FWL (SE/NW)  
 At total depth 6132' 2605 fse 1172 fwl per HSM review  
 9. AFI Well No.: 43-013-34079  
 10. Field and Pool or Exploratory Monument BUTTE  
 11. Sec., T., R., M., on Block and Survey or Area SEC. 8, T9S, R16E

12. County or Parish: Uintah  
 13. State: UT

14. Date Spudded: 03/20/2009  
 15. Date T.D. Reached: 04/17/2009  
 16. Date Completed: 05/08/2009  
 D & A  Ready to Prod.  
 17. Elevations (DF, RKB, RT, GL)\*: 5892' GL 5904' KB

18. Total Depth: MD 6132' TVD 6008'  
 19. Plug Back T.D.: MD 6078' TVD 5955'  
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND  
 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		321'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6120'		300 PRIMLITE		28'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5872'	TA @ 5791'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP2)(CP1)(CP.5)see belo	.49"	4	80
B) GREEN RIVER			(LODC) 5513-5523'	.49"	4	40
C) GREEN RIVER			(A3)5288-99(A1)5268-74"	.49"	4	68
D) GREEN RIVER			(D1)4860-68,(DS3)4803-08	.49"	4	52

26. Perforation Record 4312-5700

Depth Interval	Amount and Type of Material
5762-5835'	Frac CP.5,1,2 w/ 19,403#s of 20/40 sand in 328 bbls of Lightning 17 fluid.
5513-5523'	Frac LODC sds w/ 40,685#s of 20/40 sand in 422 bbls of Lightning 17 fluid.
5268-5299'	Frac A1 & A3 sds w/ 45,517#s of 20/40 sand in 449 bbls of Lightning 17 fluid.
4803-4868'	Frac D1 & DS3 sds w/ 35,127#s of 20/40 sand in 365 bbls of Lightning 17 fluid.

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

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/08/09	05/22/09	24	→	48	9	108			Central Hydraulic 2 1/2" x 1 3/4" x 24' RHAC rod pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

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

RECEIVED  
JUN 29 2009

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3807' 4034'
				GARDEN GULCH 2 POINT 3	4142' 4412'
				X MRKR Y MRKR	4674' 4710'
				DOUGALS CREEK MRK BI CARBONATE MRK	4823' 5063'
				B LIMESTON MRK CASTLE PEAK	5173' 5725'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	NDE 6115'

32. Additional remarks (include plugging procedure):

STAGE 1: Perforate stage #1. CP2 sds @ 5827-5835' & CP1 sds @ 5808-5814' & CP.5 sds @ 5762-5768' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots.  
 STAGE 5: Perforate GB6 sds @ 4396- 4404' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. Frac GB6 sds w/ 14,673#'s of 20/40 sand in 260 bbls of Lightning 17 fluid.  
 STAGE 6: Perforate GB4 sds @ 4312- 4318' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. Frac GB4 sds w/ 17,198#'s of 20/40 sand in 255 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2577 psi @ ave rate of 28 BPM. Screened out 7.5 bbls short of flush. Left 2470#'s of sand in pipe, 14,728#'s in formation.

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

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

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

Name (please print) Tammi Lee      Title Production Clerk  
 Signature Tammi Lee      Date 06/24/2009

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.

H      HEADER      INFORMATION -----  
H      COMPANY     :            NEWFIELD EXPLORATION  
H      FIELD       :            USGS      Myton    SW        (UT)  
H      SITE        :            SECTION            8 T9S,     R16E  
H      WELL        :            N-8-9-16  
H      WELLPATH: Wellbore     #1  
H      DEPTHUNT: ft  
H      SURVDATE:        4/20/2009  
H      DECLINATION CORR.  
H      =                    10.75 TO            GRIDH-----

H      WELL      INFORMATION  
H      WELL      EW            MAP        :            2019665  
H      WELL      NS            MAP        :            7188739  
H      DATUM     ELEVN        :            5904  
H      VSECT     ANGLE        :            234.89  
H      VSECT     NORTH        :            0  
H      VSECT     EAST         :            0

H-----  
H      SURVEY     TYPE            INFORMATION  
H                451 -            6132 SURVEY   #1        :            MWD  
H-----

H	SURVEY	LIST	INFORMATION					
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	
	451	0.86	194.63	450.98	-3.27	-0.85	2.58	
	482	0.73	200.91	481.98	-3.68	-0.98	2.92	
	512	0.79	226.56	511.98	-4.01	-1.2	3.29	
	543	1.65	225.74	542.97	-4.46	-1.68	3.94	
	574	1.89	216.14	573.96	-5.19	-2.3	4.86	
	604	2.11	228.6	603.94	-5.95	-3	5.88	
	635	2.77	235.89	634.91	-6.75	-4.05	7.2	
	666	3.05	232.05	665.87	-7.68	-5.32	8.77	
	696	3.56	227.61	695.82	-8.8	-6.64	10.49	
	727	3.49	230.58	726.76	-10.04	-8.08	12.39	
	758	3.58	222.58	757.7	-11.36	-9.46	14.27	
	788	3.58	222.58	787.64	-12.74	-10.73	16.1	
	819	4.02	228.01	818.58	-14.18	-12.19	18.13	
	850	4.28	238.64	849.49	-15.5	-13.99	20.36	
	880	5.01	242	879.4	-16.7	-16.1	22.78	
	912	5.47	244.71	911.26	-18.01	-18.71	25.67	
	943	5.43	243.52	942.12	-19.29	-21.36	28.57	
	974	6.09	248.77	972.97	-20.54	-24.21	31.62	
	1005	6.75	248.95	1003.77	-21.79	-27.44	34.98	
	1036	7.34	248.95	1034.54	-23.16	-30.99	38.67	
	1068	7.62	249.01	1066.26	-24.65	-34.88	42.71	
	1099	7.98	244.27	1096.98	-26.32	-38.74	46.83	
	1131	8.57	248.46	1128.64	-28.16	-42.96	51.34	

1162	9.03	245.17	1159.28	-30.03	-47.31	55.98	2.2
1193	9.5	246.51	1189.88	-32.07	-51.87	60.88	1.67
1224	9.6	246.22	1220.45	-34.14	-56.58	65.92	0.36
1255	10.28	244.86	1250.98	-36.35	-61.45	71.18	2.32
1287	10.15	244.31	1282.47	-38.79	-66.57	76.77	0.51
1318	10.85	244.29	1312.95	-41.24	-71.66	82.34	2.26
1350	11.07	243.37	1344.37	-43.92	-77.12	88.35	0.88
1381	10.79	242.42	1374.81	-46.6	-82.36	94.17	1.07
1412	10.92	240.38	1405.25	-49.4	-87.48	99.97	1.31
1443	11.25	238.49	1435.67	-52.43	-92.61	105.91	1.58
1474	11.27	236.31	1466.08	-55.69	-97.71	111.96	1.37
1506	11.14	233.92	1497.47	-59.24	-102.81	118.18	1.51
1537	11.01	231.24	1527.89	-62.86	-107.54	124.13	1.71
1568	10.6	227.94	1558.34	-66.62	-111.96	129.91	2.39
1599	10.46	225.08	1588.82	-70.52	-116.07	135.51	1.75
1630	10.04	221.92	1619.33	-74.52	-119.87	140.92	2.26
1662	9.69	216.93	1650.85	-78.75	-123.35	146.2	2.89
1693	9.07	211.83	1681.44	-82.91	-126.21	150.93	3.34
1724	7.84	215.88	1712.1	-86.7	-128.74	155.18	4.41
1755	8.28	217.42	1742.8	-90.18	-131.33	159.31	1.58
1786	7.51	212.43	1773.5	-93.67	-133.78	163.31	3.32
1817	6.99	215.13	1804.25	-96.92	-135.95	166.95	2.01
1848	6.45	222.1	1835.04	-99.75	-138.2	170.43	3.15
1878	6.83	227.13	1864.84	-102.22	-140.64	173.84	2.31
1909	7.27	234.6	1895.61	-104.61	-143.59	177.63	3.28
1941	6.35	234.71	1927.38	-106.8	-146.68	181.42	2.88
1972	6.55	237.93	1958.18	-108.73	-149.58	184.9	1.33
2003	5.87	230.86	1989	-110.67	-152.31	188.25	3.3
2035	6.02	224.91	2020.83	-112.89	-154.76	191.53	1.98
2066	7.03	231.61	2051.63	-115.22	-157.4	195.03	4.07
2097	7.95	234.25	2082.37	-117.65	-160.62	199.07	3.17
2129	8.39	230.09	2114.04	-120.44	-164.21	203.6	2.3
2160	8.44	234.18	2144.71	-123.23	-167.79	208.13	1.94
2191	8.5	234.33	2175.37	-125.89	-171.5	212.7	0.21
2222	9.07	234.82	2206.01	-128.64	-175.35	217.43	1.85
2254	9.58	233.06	2237.58	-131.69	-179.54	222.62	1.83
2285	9.32	235.39	2268.16	-134.67	-183.67	227.71	1.49
2316	9.45	235.13	2298.75	-137.55	-187.83	232.76	0.44
2348	10.35	234.12	2330.27	-140.73	-192.31	238.26	2.86
2379	10.83	235.35	2360.74	-144.02	-196.96	243.96	1.71
2410	11.1	237.72	2391.18	-147.27	-201.88	249.85	1.69
2442	10.96	237.15	2422.58	-150.57	-207.04	255.97	0.55
2473	11.84	237.28	2452.97	-153.88	-212.19	262.09	2.84
2505	11.73	236.16	2484.3	-157.47	-217.66	268.62	0.79
2536	12.33	238.29	2514.62	-160.96	-223.09	275.08	2.41
2567	12.02	237.24	2544.92	-164.45	-228.62	281.61	1.23
2598	12.92	236.38	2575.19	-168.12	-234.22	288.3	2.96

2629	12.81	233.15	2605.41	-172.1	-239.86	295.2	2.35
2660	12.85	232.41	2635.64	-176.26	-245.34	302.07	0.55
2692	12.88	231.41	2666.83	-180.66	-250.94	309.19	0.7
2723	12.66	233.3	2697.07	-184.84	-256.37	316.03	1.52
2754	13.07	229.92	2727.29	-189.13	-261.77	322.92	2.76
2785	13.21	232.73	2757.48	-193.53	-267.28	329.95	2.11
2817	13.49	230.47	2788.61	-198.12	-273.06	337.33	1.85
2848	13.56	230.31	2818.75	-202.74	-278.65	344.56	0.26
2942	15.31	234.03	2909.78	-217.07	-297.17	367.95	2.11
3036	15.62	234.95	3000.38	-231.63	-317.58	393.02	0.42
3129	15.86	235.65	3089.89	-245.99	-338.32	418.24	0.33
3223	15.05	231.48	3180.5	-260.84	-358.47	443.27	1.46
3317	15.82	234.4	3271.11	-275.9	-378.44	468.27	1.16
3410	15.69	232.66	3360.61	-290.9	-398.75	493.51	0.53
3504	15.45	233.5	3451.16	-306.06	-418.92	518.72	0.35
3597	15.12	234.38	3540.88	-320.49	-438.73	543.24	0.43
3691	15.12	234.14	3631.62	-334.81	-458.64	567.75	0.07
3785	14.35	233.98	3722.53	-348.85	-477.99	591.66	0.82
3879	13.75	230.6	3813.72	-362.79	-496.05	614.45	1.08
3972	13.27	230.71	3904.14	-376.56	-512.85	636.12	0.52
4066	12.9	232.89	3995.7	-389.73	-529.57	657.36	0.66
4160	12.39	231.65	4087.42	-402.31	-545.84	677.92	0.61
4254	12.5	234.38	4179.22	-414.49	-562.02	698.16	0.64
4347	12.9	236.05	4269.94	-426.15	-578.81	718.6	0.58
4441	13.47	240.84	4361.47	-437.35	-597.08	739.98	1.31
4535	12.94	240	4452.98	-447.95	-615.76	761.35	0.6
4629	12.69	239.9	4544.64	-458.39	-633.8	782.12	0.27
4723	12.83	240.49	4636.32	-468.7	-651.82	802.79	0.2
4813	12.55	241.28	4724.12	-478.33	-669.09	822.46	0.37
4907	12.5	239.92	4815.88	-488.33	-686.85	842.74	0.32
5001	14.28	235.81	4907.32	-499.95	-705.24	864.47	2.15
5094	13.78	232.12	4997.55	-513.19	-723.47	887	1.1
5188	13.82	232.07	5088.84	-526.97	-741.16	909.39	0.04
5282	14.3	230.67	5180.02	-541.23	-759	932.18	0.63
5376	14.41	231.65	5271.09	-555.84	-777.15	955.44	0.28
5470	14.68	234.14	5362.08	-570.08	-795.98	979.03	0.72
5564	14.02	235.06	5453.14	-583.58	-814.97	1002.32	0.74
5658	13.27	235.79	5544.49	-596.16	-833.22	1024.5	0.82
5751	12.04	237.78	5635.23	-607.34	-850.26	1044.86	1.4
5845	11.65	238.11	5727.23	-617.58	-866.61	1064.13	0.42
5939	11.67	238.58	5819.29	-627.55	-882.78	1083.09	0.1
6033	11.49	238.86	5911.37	-637.34	-898.91	1101.92	0.2
6077	11.41	236.62	5954.5	-642	-906.29	1110.64	1.03
6132	10	238	6008.54	-647.53	-914.88	1120.84	2.61

# NEWFIELD



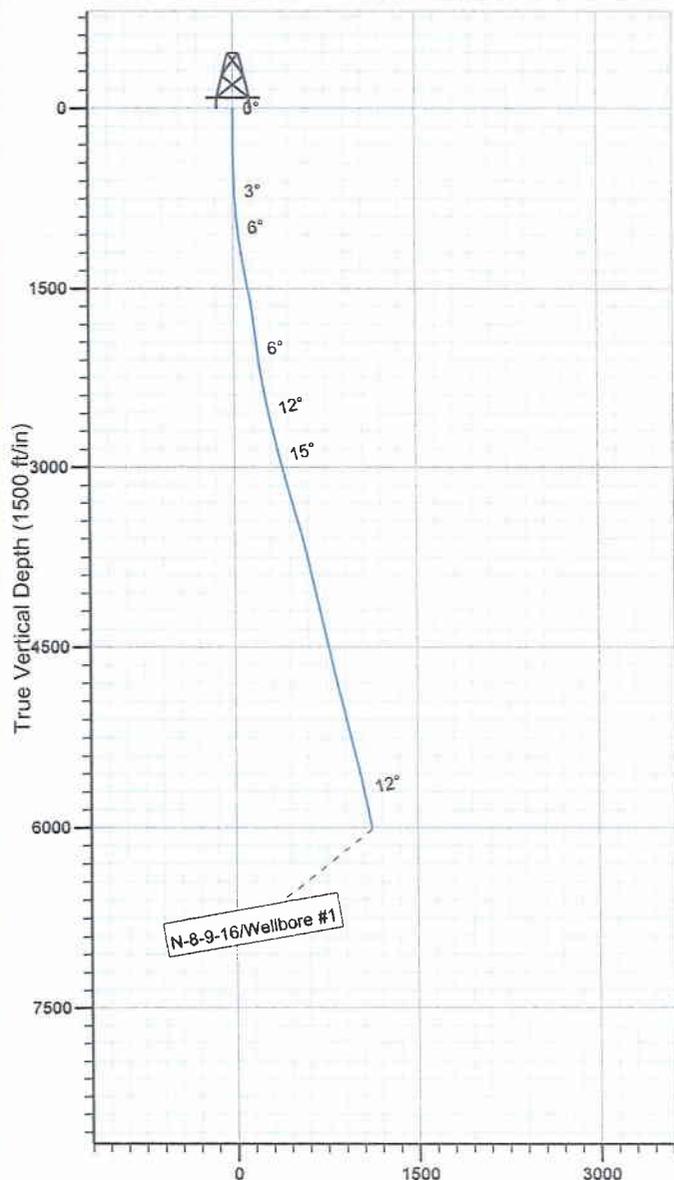
Project: USGS Myton SW (UT)  
 Site: SECTION 8 T9S, R16E  
 Well: N-8-9-16  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT

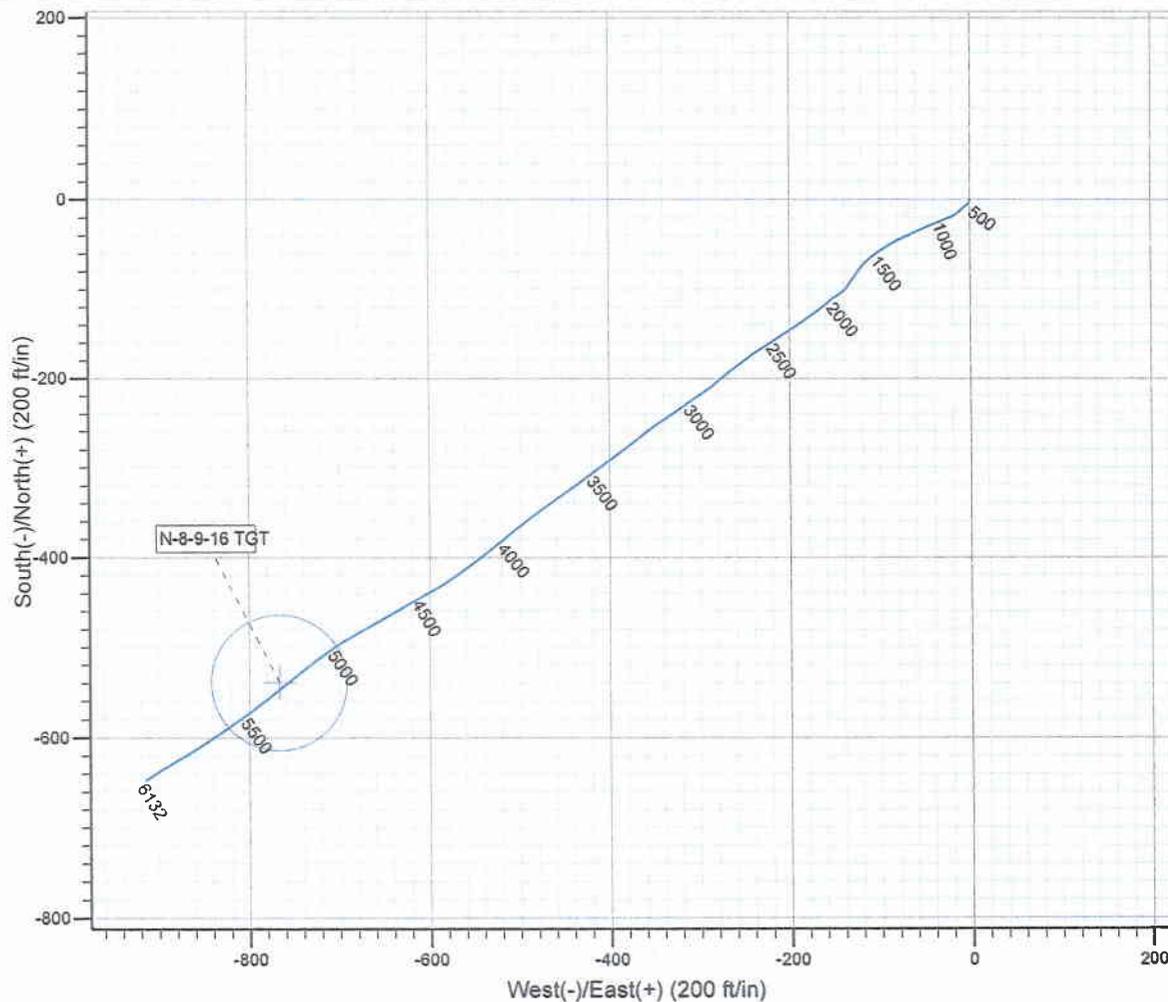


Azimuths to True North  
 Magnetic North: 11.62°

Magnetic Field  
 Strength: 52506.9snT  
 Dip Angle: 65.85°  
 Date: 2009/03/17  
 Model: IGRF200510



Vertical Section at 234.89° (1500 ft/in)



Design: Wellbore #1 (N-8-9-16/Wellbore #1)

Created By: *Jim Hudson* Date: 8:33, April 20 2009

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD  
 DATA.

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 8 T9S, R16E  
N-8-9-16**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**20 April, 2009**

**HATHAWAY HB BURNHAM**  
DIRECTIONAL & MWD SERVICES



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 8 T9S, R16E  
**Well:** N-8-9-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well N-8-9-16  
**TVD Reference:** N-8-9-16 @ 5904.0ft (RIG #1)  
**MD Reference:** N-8-9-16 @ 5904.0ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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

<b>Site</b>	SECTION 8 T9S, R16E, SEC 8 T9S, R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,188,200.00ft	<b>Latitude:</b>	40° 2' 44.068 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,019,900.00ft	<b>Longitude:</b>	110° 8' 39.874 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.87 °

<b>Well</b>	N-8-9-16, SHL LAT: 40 02 49.43, LONG: -110 08 42.79					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,188,739.05 ft	<b>Latitude:</b>	40° 2' 49.430 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,019,665.07 ft	<b>Longitude:</b>	110° 8' 42.790 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	0.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009/03/17	11.62	65.85	52,507

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>		<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
		0.0	0.0	0.0	234.89

<b>Survey Program</b>	Date 2009/04/20				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
451.0	6,132.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
451.0	0.86	194.63	451.0	-3.3	-0.9	2.6	0.19	0.19	0.00
482.0	0.73	200.91	482.0	-3.7	-1.0	2.9	0.50	-0.42	20.26
512.0	0.79	226.56	512.0	-4.0	-1.2	3.3	1.14	0.20	85.50
543.0	1.65	225.74	543.0	-4.5	-1.7	3.9	2.77	2.77	-2.65
574.0	1.89	216.14	574.0	-5.2	-2.3	4.9	1.23	0.77	-30.97
604.0	2.11	228.60	603.9	-6.0	-3.0	5.9	1.62	0.73	41.53
635.0	2.77	235.89	634.9	-6.8	-4.1	7.2	2.35	2.13	23.52
666.0	3.05	232.05	665.9	-7.7	-5.3	8.8	1.10	0.90	-12.39
696.0	3.56	227.61	695.8	-8.8	-6.6	10.5	1.90	1.70	-14.80
727.0	3.49	230.58	726.8	-10.0	-8.1	12.4	0.63	-0.23	9.58
758.0	3.58	222.58	757.7	-11.4	-9.5	14.3	1.62	0.29	-25.81
788.0	3.58	222.58	787.6	-12.7	-10.7	16.1	0.00	0.00	0.00



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 8 T9S, R16E  
 Well: N-8-9-16  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well N-8-9-16  
 TVD Reference: N-8-9-16 @ 5904.0ft (RIG #1)  
 MD Reference: N-8-9-16 @ 5904.0ft (RIG #1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
819.0	4.02	228.01	818.6	-14.2	-12.2	18.1	1.83	1.42	17.52
850.0	4.28	238.64	849.5	-15.5	-14.0	20.4	2.61	0.84	34.29
880.0	5.01	242.00	879.4	-16.7	-16.1	22.8	2.60	2.43	11.20
912.0	5.47	244.71	911.3	-18.0	-18.7	25.7	1.63	1.44	8.47
943.0	5.43	243.52	942.1	-19.3	-21.4	28.6	0.39	-0.13	-3.84
974.0	6.09	248.77	973.0	-20.5	-24.2	31.6	2.72	2.13	16.94
1,005.0	6.75	248.95	1,003.8	-21.8	-27.4	35.0	2.13	2.13	0.58
1,036.0	7.34	248.95	1,034.5	-23.2	-31.0	38.7	1.90	1.90	0.00
1,068.0	7.62	249.01	1,066.3	-24.7	-34.9	42.7	0.88	0.88	0.19
1,099.0	7.98	244.27	1,097.0	-26.3	-38.7	46.8	2.38	1.16	-15.29
1,131.0	8.57	248.46	1,128.6	-28.2	-43.0	51.3	2.64	1.84	13.09
1,162.0	9.03	245.17	1,159.3	-30.0	-47.3	56.0	2.20	1.48	-10.61
1,193.0	9.50	246.51	1,189.9	-32.1	-51.9	60.9	1.67	1.52	4.32
1,224.0	9.60	246.22	1,220.4	-34.1	-56.6	65.9	0.36	0.32	-0.94
1,255.0	10.28	244.86	1,251.0	-36.4	-61.4	71.2	2.32	2.19	-4.39
1,287.0	10.15	244.31	1,282.5	-38.8	-66.6	76.8	0.51	-0.41	-1.72
1,318.0	10.85	244.29	1,313.0	-41.2	-71.7	82.3	2.26	2.26	-0.06
1,350.0	11.07	243.37	1,344.4	-43.9	-77.1	88.4	0.88	0.69	-2.88
1,381.0	10.79	242.42	1,374.8	-46.6	-82.4	94.2	1.07	-0.90	-3.06
1,412.0	10.92	240.38	1,405.3	-49.4	-87.5	100.0	1.31	0.42	-6.58
1,443.0	11.25	238.49	1,435.7	-52.4	-92.6	105.9	1.58	1.06	-6.10
1,474.0	11.27	236.31	1,466.1	-55.7	-97.7	112.0	1.37	0.06	-7.03
1,506.0	11.14	233.92	1,497.5	-59.2	-102.8	118.2	1.51	-0.41	-7.47
1,537.0	11.01	231.24	1,527.9	-62.9	-107.5	124.1	1.71	-0.42	-8.65
1,568.0	10.60	227.94	1,558.3	-66.6	-112.0	129.9	2.39	-1.32	-10.65
1,599.0	10.46	225.08	1,588.8	-70.5	-116.1	135.5	1.75	-0.45	-9.23
1,630.0	10.04	221.92	1,619.3	-74.5	-119.9	140.9	2.26	-1.35	-10.19
1,662.0	9.69	216.93	1,650.9	-78.7	-123.4	146.2	2.89	-1.09	-15.59
1,693.0	9.07	211.83	1,681.4	-82.9	-126.2	150.9	3.34	-2.00	-16.45
1,724.0	7.84	215.88	1,712.1	-86.7	-128.7	155.2	4.41	-3.97	13.06
1,755.0	8.28	217.42	1,742.8	-90.2	-131.3	159.3	1.58	1.42	4.97
1,786.0	7.51	212.43	1,773.5	-93.7	-133.8	163.3	3.32	-2.48	-16.10
1,817.0	6.99	215.13	1,804.3	-96.9	-135.9	167.0	2.01	-1.68	8.71
1,848.0	6.45	222.10	1,835.0	-99.8	-138.2	170.4	3.15	-1.74	22.48
1,878.0	6.83	227.13	1,864.8	-102.2	-140.6	173.8	2.31	1.27	16.77
1,909.0	7.27	234.60	1,895.6	-104.6	-143.6	177.6	3.28	1.42	24.10
1,941.0	6.35	234.71	1,927.4	-106.8	-146.7	181.4	2.88	-2.88	0.34
1,972.0	6.55	237.93	1,958.2	-108.7	-149.6	184.9	1.33	0.65	10.39
2,003.0	5.87	230.86	1,989.0	-110.7	-152.3	188.2	3.30	-2.19	-22.81
2,035.0	6.02	224.91	2,020.8	-112.9	-154.8	191.5	1.98	0.47	-18.59
2,066.0	7.03	231.61	2,051.6	-115.2	-157.4	195.0	4.07	3.26	21.61
2,097.0	7.95	234.25	2,082.4	-117.7	-160.6	199.1	3.17	2.97	8.52
2,129.0	8.39	230.09	2,114.0	-120.4	-164.2	203.6	2.30	1.38	-13.00
2,160.0	8.44	234.18	2,144.7	-123.2	-167.8	208.1	1.94	0.16	13.19
2,191.0	8.50	234.33	2,175.4	-125.9	-171.5	212.7	0.21	0.19	0.48
2,222.0	9.07	234.82	2,206.0	-128.6	-175.4	217.4	1.85	1.84	1.58
2,254.0	9.58	233.06	2,237.6	-131.7	-179.5	222.6	1.83	1.59	-5.50
2,285.0	9.32	235.39	2,268.2	-134.7	-183.7	227.7	1.49	-0.84	7.52
2,316.0	9.45	235.13	2,298.7	-137.5	-187.8	232.8	0.44	0.42	-0.84
2,348.0	10.35	234.12	2,330.3	-140.7	-192.3	238.3	2.86	2.81	-3.16
2,379.0	10.83	235.35	2,360.7	-144.0	-197.0	244.0	1.71	1.55	3.97
2,410.0	11.10	237.72	2,391.2	-147.3	-201.9	249.9	1.69	0.87	7.65
2,442.0	10.96	237.15	2,422.6	-150.6	-207.0	256.0	0.55	-0.44	-1.78
2,473.0	11.84	237.28	2,453.0	-153.9	-212.2	262.1	2.84	2.84	0.42



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Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,505.0	11.73	236.16	2,484.3	-157.5	-217.7	268.6	0.79	-0.34	-3.50	
2,536.0	12.33	238.29	2,514.6	-161.0	-223.1	275.1	2.41	1.94	6.87	
2,567.0	12.02	237.24	2,544.9	-164.5	-228.6	281.6	1.23	-1.00	-3.39	
2,598.0	12.92	236.38	2,575.2	-168.1	-234.2	288.3	2.96	2.90	-2.77	
2,629.0	12.81	233.15	2,605.4	-172.1	-239.9	295.2	2.35	-0.35	-10.42	
2,660.0	12.85	232.41	2,635.6	-176.3	-245.3	302.1	0.55	0.13	-2.39	
2,692.0	12.88	231.41	2,666.8	-180.7	-250.9	309.2	0.70	0.09	-3.13	
2,723.0	12.66	233.30	2,697.1	-184.8	-256.4	316.0	1.52	-0.71	6.10	
2,754.0	13.07	229.92	2,727.3	-189.1	-261.8	322.9	2.76	1.32	-10.90	
2,785.0	13.21	232.73	2,757.5	-193.5	-267.3	330.0	2.11	0.45	9.06	
2,817.0	13.49	230.47	2,788.6	-198.1	-273.1	337.3	1.85	0.88	-7.06	
2,848.0	13.56	230.31	2,818.8	-202.7	-278.6	344.6	0.26	0.23	-0.52	
2,942.0	15.31	234.03	2,909.8	-217.1	-297.2	368.0	2.11	1.86	3.96	
3,036.0	15.62	234.95	3,000.4	-231.6	-317.6	393.0	0.42	0.33	0.98	
3,129.0	15.86	235.65	3,089.9	-246.0	-338.3	418.2	0.33	0.26	0.75	
3,223.0	15.05	231.48	3,180.5	-260.8	-358.5	443.3	1.46	-0.86	-4.44	
3,317.0	15.82	234.40	3,271.1	-275.9	-378.4	468.3	1.16	0.82	3.11	
3,410.0	15.69	232.66	3,360.6	-290.9	-398.7	493.5	0.53	-0.14	-1.87	
3,504.0	15.45	233.50	3,451.2	-306.1	-418.9	518.7	0.35	-0.26	0.89	
3,597.0	15.12	234.38	3,540.9	-320.5	-438.7	543.2	0.43	-0.35	0.95	
3,691.0	15.12	234.14	3,631.6	-334.8	-458.6	567.8	0.07	0.00	-0.26	
3,785.0	14.35	233.98	3,722.5	-348.8	-478.0	591.7	0.82	-0.82	-0.17	
3,879.0	13.75	230.60	3,813.7	-362.8	-496.0	614.4	1.08	-0.64	-3.60	
3,972.0	13.27	230.71	3,904.1	-376.6	-512.8	636.1	0.52	-0.52	0.12	
4,066.0	12.90	232.89	3,995.7	-389.7	-529.6	657.4	0.66	-0.39	2.32	
4,160.0	12.39	231.65	4,087.4	-402.3	-545.8	677.9	0.61	-0.54	-1.32	
4,254.0	12.50	234.38	4,179.2	-414.5	-562.0	698.2	0.64	0.12	2.90	
4,347.0	12.90	236.05	4,269.9	-426.2	-578.8	718.6	0.58	0.43	1.80	
4,441.0	13.47	240.84	4,361.5	-437.3	-597.1	740.0	1.31	0.61	5.10	
4,535.0	12.94	240.00	4,453.0	-447.9	-615.8	761.4	0.60	-0.56	-0.89	
4,629.0	12.69	239.90	4,544.6	-458.4	-633.8	782.1	0.27	-0.27	-0.11	
4,723.0	12.83	240.49	4,636.3	-468.7	-651.8	802.8	0.20	0.15	0.63	
4,813.0	12.55	241.28	4,724.1	-478.3	-669.1	822.5	0.37	-0.31	0.88	
4,907.0	12.50	239.92	4,815.9	-488.3	-686.8	842.7	0.32	-0.05	-1.45	
5,001.0	14.28	235.81	4,907.3	-499.9	-705.2	864.5	2.15	1.89	-4.37	
5,094.0	13.78	232.12	4,997.6	-513.2	-723.5	887.0	1.10	-0.54	-3.97	
5,188.0	13.82	232.07	5,088.8	-527.0	-741.2	909.4	0.04	0.04	-0.05	
5,282.0	14.30	230.67	5,180.0	-541.2	-759.0	932.2	0.63	0.51	-1.49	
5,302.6	14.32	230.89	5,199.9	-544.4	-762.9	937.3	0.28	0.12	1.05	
<b>N-8-9-16 TGT</b>										
5,376.0	14.41	231.65	5,271.1	-555.8	-777.2	955.4	0.28	0.12	1.04	
5,470.0	14.68	234.14	5,362.1	-570.1	-796.0	979.0	0.72	0.29	2.65	
5,564.0	14.02	235.06	5,453.1	-583.6	-815.0	1,002.3	0.74	-0.70	0.98	
5,658.0	13.27	235.79	5,544.5	-596.2	-833.2	1,024.5	0.82	-0.80	0.78	
5,751.0	12.04	237.78	5,635.2	-607.3	-850.3	1,044.9	1.40	-1.32	2.14	
5,845.0	11.65	238.11	5,727.2	-617.6	-866.6	1,064.1	0.42	-0.41	0.35	
5,939.0	11.67	238.58	5,819.3	-627.5	-882.8	1,083.1	0.10	0.02	0.50	
6,033.0	11.49	238.86	5,911.4	-637.3	-898.9	1,101.9	0.20	-0.19	0.30	
6,077.0	11.41	236.62	5,954.5	-642.0	-906.3	1,110.6	1.03	-0.18	-5.09	
6,132.0	10.00	238.00	6,008.5	-647.5	-914.9	1,120.8	2.61	-2.56	2.51	



# HATHAWAY BURNHAM

Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 8 T9S, R16E  
**Well:** N-8-9-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well N-8-9-16  
**TVD Reference:** N-8-9-16 @ 5904.0ft (RIG #1)  
**MD Reference:** N-8-9-16 @ 5904.0ft (RIG #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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