

# NEWFIELD



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

January 29, 2008

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

RE: Applications for Permit to Drill  
**West Point Federal I-6-9-16**  
**Pleasant Valley Federal M-9-9-17**  
**Pleasant Valley Federal R-9-9-17**

Dear Diana:

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

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

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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.<br>UTU-61052                                                 |
| 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<br>N/A                                      |
| 2. Name of Operator<br>Newfield Production Company                                                                                                                                                                            |                                                           | 7. If Unit or CA Agreement, Name and No.<br>Pleasant Valley Unit                 |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052                                                                                                                                                                              |                                                           | 8. Lease Name and Well No.<br>Pleasant Valley Federal R-9-9-17                   |
| 3b. Phone No. (include area code)<br>(435) 646-3721                                                                                                                                                                           |                                                           | 9. API Well No.<br>43-013-33895                                                  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface SW/SE 662' FSL 2001' FEL<br>At proposed prod. zone NW/SE At Target: 1390' FSL 2555' FEL BHL: 1529' FSL 2661' FEL |                                                           | 10. Field and Pool, or Exploratory/<br>Monument Butte 105                        |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 15.3 miles southeast of Myton, Utah                                                                                                    |                                                           | 11. Sec., T., R., M., or Blk. and Survey or Area<br>Sec. 9, T9S R17E             |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 85' f/lse, 1390' f/unit                                                                         | 16. No. of Acres in lease<br>80.00                        | 17. Spacing Unit dedicated to this well<br>20 Acres                              |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1301'                                                                                                      | 19. Proposed Depth<br>6000'                               | 20. BLM/BIA Bond No. on file<br>WYB000493                                        |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5251' GL                                                                                                                                                               | 22. Approximate date work will start*<br>1st Quarter 2008 | 23. Estimated duration<br>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)<br>Mandie Crozier  | Date<br>1/14/08  |
| Title<br>Regulatory Specialist |                                         |                  |
| Approved by:                   | Name (Printed/Typed)<br>BRADLEY G. HILL | Date<br>06-02-08 |
| Title<br>Officer               | ENVIRONMENTAL MANAGER                   |                  |

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

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

\*(Instructions on reverse)

Federal Approval of this Action is Necessary

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DIV. OF OIL, GAS & MINING

Surf  
584575X  
44324684  
40.040091  
-110.008644

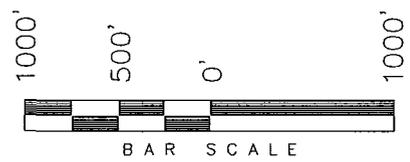
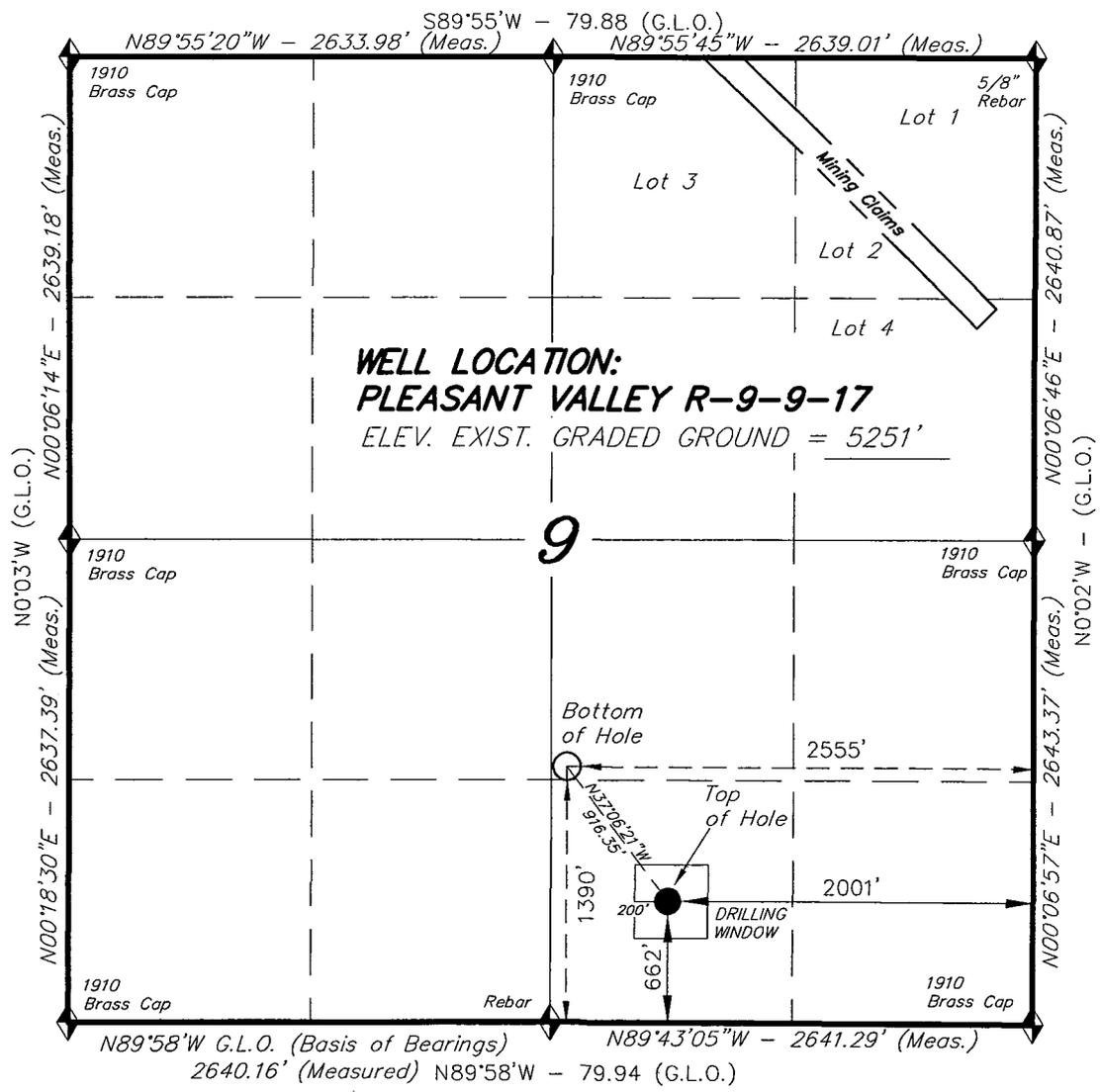
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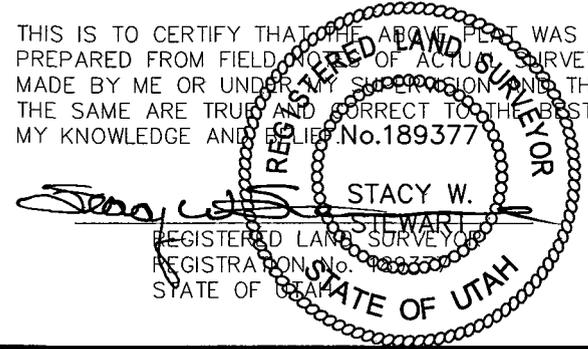
# T9S, R17E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, PLEASANT VALLEY  
R-9-9-17, LOCATED AS SHOWN IN THE SW  
1/4 SE 1/4 OF SECTION 9, T9S, R17E,  
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



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

PLEASANT VALLEY R-9-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 24.12"  
LONGITUDE = 110° 00' 33.56"

|                                                                                                                  |                   |
|------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>TRI STATE LAND SURVEYING &amp; CONSULTING</b><br>180 NORTH VERNAL AVE. - VERNAL, UTAH 84078<br>(435) 781-2501 |                   |
| DATE SURVEYED:<br>09-13-07                                                                                       | SURVEYED BY: R.R. |
| DATE DRAWN:<br>10-26-07                                                                                          | DRAWN BY: F.T.M.  |
| REVISED:<br>01-23-08 L.C.S.                                                                                      | SCALE: 1" = 1000' |

**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #R-9-9-17  
AT SURFACE: SW/SE SECTION 9, T9S, R17E  
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' – 1320' |
| Green River | 1320'      |
| Wasatch     | 6000'      |

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

Green River Formation 1320' – 6000' - 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  
Site: Pleasant Valley R-9-9-17  
Well: Pleasant Valley R-9-9-17  
Wellbore: OH  
Design: Plan #1

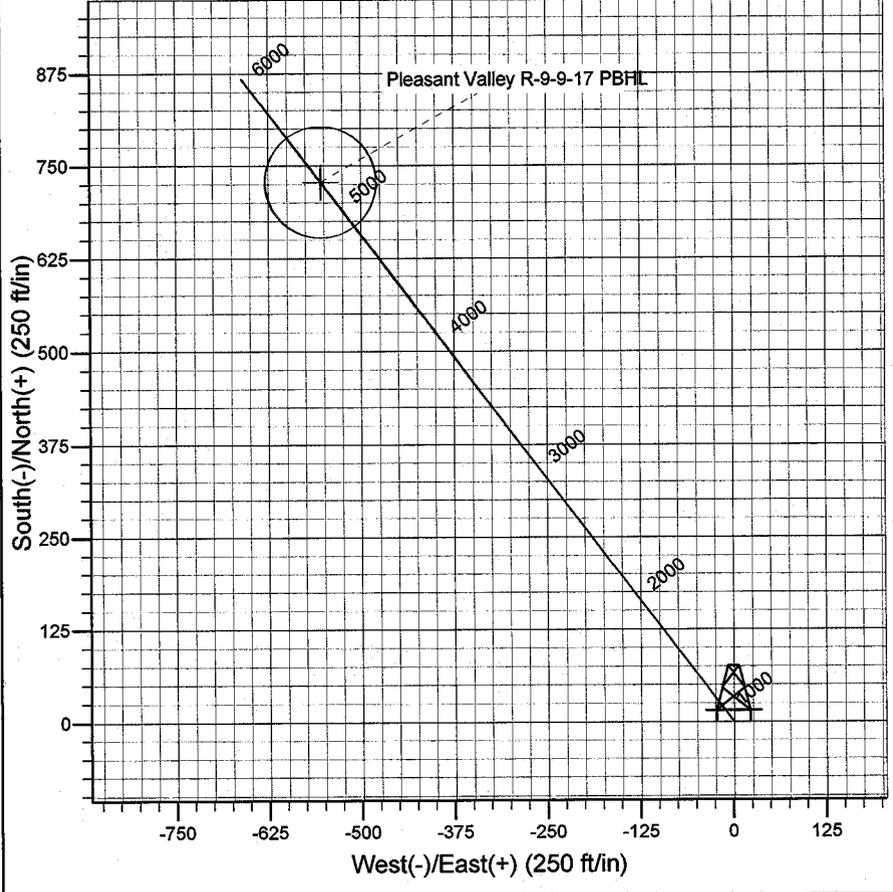
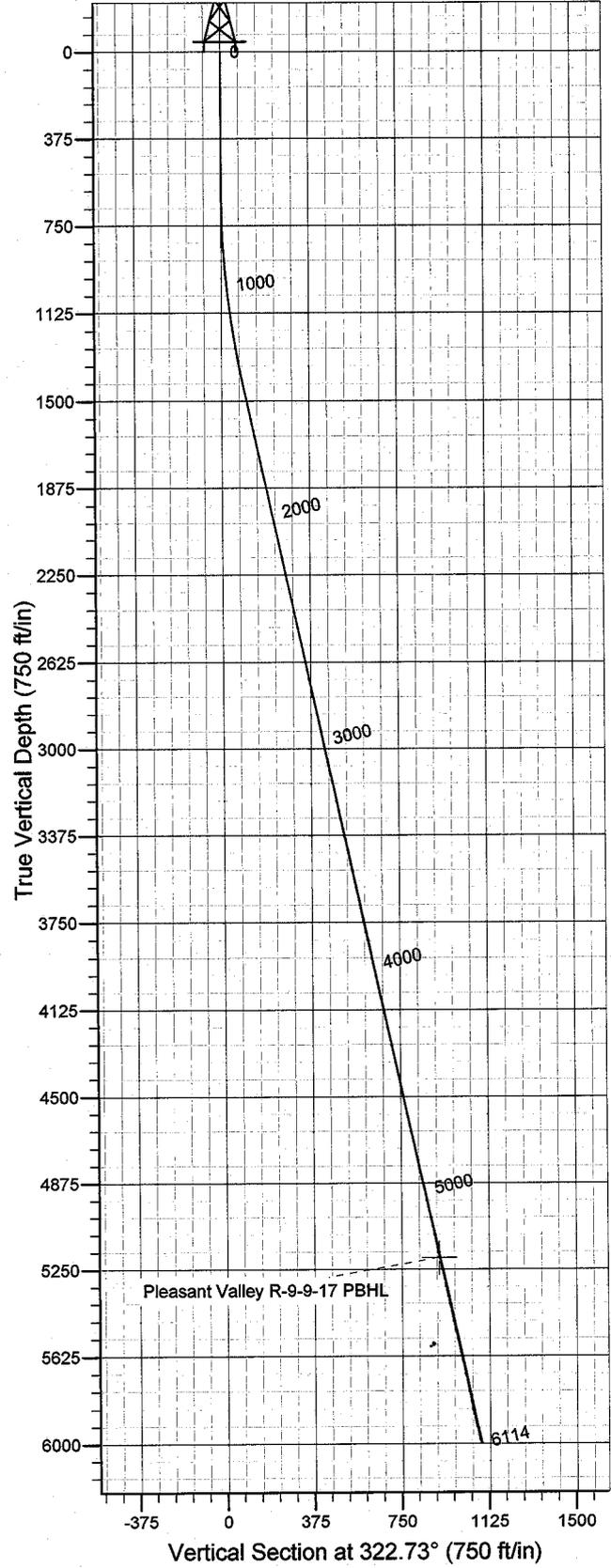
**Newfield Exploration Co.**



Azimuths to True North  
Magnetic North: 11.72°  
  
Magnetic Field  
Strength: 52640.3snT  
Dip Angle: 65.89°  
Date: 2008-01-07  
Model: IGRF2005-10

**WELL DETAILS: Pleasant Valley R-9-9-17**

|       |       |                                         |            |                 |                  |
|-------|-------|-----------------------------------------|------------|-----------------|------------------|
|       |       | GL 5251' & RKB 12' @ 5263.00ft (NDSI 2) |            | 5251.00         |                  |
| +N/-S | +E/-W | Northing                                | Easting    | Latitude        | Longitude        |
| 0.00  | 0.00  | 7186797.98                              | 2057750.68 | 40° 2' 24.120 N | 110° 0' 33.560 W |



Plan: Plan #1 (Pleasant Valley R-9-9-17/OH)  
Created By: Julie Cruse Date: 2008-01-07  
PROJECT DETAILS: Duchesne County, UT  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location: Sec 9 T9S R17E  
System Datum: Mean Sea Level  
Local North: True North

**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    |                              |
| 421.54 | 12.32 | 322.73 | 1415.22 | 70.04  | -53.30  | 1.50 | 322.73 | 88.01   |                              |
| 295.58 | 12.32 | 322.73 | 5200.00 | 728.00 | -554.00 | 0.00 | 0.00   | 914.82  | Pleasant Valley R-9-9-17 PBH |
| 114.45 | 12.32 | 322.73 | 6000.00 | 867.08 | -659.84 | 0.00 | 0.00   | 1089.59 |                              |

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Pleasant Valley R-9-9-17**

**Pleasant Valley R-9-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**07 January, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Pleasant Valley R-9-9-17  
**Well:** Pleasant Valley R-9-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Pleasant Valley R-9-9-17  
**TVD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**MD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

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

|                              |                                          |                     |                 |                          |                  |
|------------------------------|------------------------------------------|---------------------|-----------------|--------------------------|------------------|
| <b>Site</b>                  | Pleasant Valley R-9-9-17, Sec 9 T9S R17E |                     |                 |                          |                  |
| <b>Site Position:</b>        |                                          | <b>Northing:</b>    | 7,186,797.98 ft | <b>Latitude:</b>         | 40° 2' 24.120 N  |
| <b>From:</b>                 | Lat/Long                                 | <b>Easting:</b>     | 2,057,750.68 ft | <b>Longitude:</b>        | 110° 0' 33.560 W |
| <b>Position Uncertainty:</b> | 0.00 ft                                  | <b>Slot Radius:</b> | in              | <b>Grid Convergence:</b> | 0.95 °           |

|                             |                                                             |         |                            |                 |                      |                  |
|-----------------------------|-------------------------------------------------------------|---------|----------------------------|-----------------|----------------------|------------------|
| <b>Well</b>                 | Pleasant Valley R-9-9-17, 662' FSL 2001' FEL Sec 9 T9S R17E |         |                            |                 |                      |                  |
| <b>Well Position</b>        | <b>+N/-S</b>                                                | 0.00 ft | <b>Northing:</b>           | 7,186,797.98 ft | <b>Latitude:</b>     | 40° 2' 24.120 N  |
|                             | <b>+E/-W</b>                                                | 0.00 ft | <b>Easting:</b>            | 2,057,750.68 ft | <b>Longitude:</b>    | 110° 0' 33.560 W |
| <b>Position Uncertainty</b> |                                                             | 0.00 ft | <b>Wellhead Elevation:</b> | ft              | <b>Ground Level:</b> | 5,251.00 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       | 2008-01-07         | 11.72                  | 65.89                | 52,640                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1                      |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 5,200.00                     | 0.00              | 0.00                 | 322.73               |

| 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    |                       |
| 1,421.54            | 12.32           | 322.73      | 1,415.22            | 70.04      | -53.30     | 1.50                  | 1.50                 | 0.00                | 322.73  |                       |
| 5,295.58            | 12.32           | 322.73      | 5,200.00            | 728.00     | -554.00    | 0.00                  | 0.00                 | 0.00                | 0.00    | Pleasant Valley R-9-9 |
| 6,114.45            | 12.32           | 322.73      | 6,000.00            | 867.08     | -659.84    | 0.00                  | 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  
**Site:** Pleasant Valley R-9-9-17  
**Well:** Pleasant Valley R-9-9-17  
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**TVD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**MD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**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            | 322.73      | 699.99              | 1.04       | -0.79      | 1.31                  | 1.50                  | 1.50                 | 0.00                |
| 800.00              | 3.00            | 322.73      | 799.91              | 4.17       | -3.17      | 5.23                  | 1.50                  | 1.50                 | 0.00                |
| 900.00              | 4.50            | 322.73      | 899.69              | 9.37       | -7.13      | 11.77                 | 1.50                  | 1.50                 | 0.00                |
| 1,000.00            | 6.00            | 322.73      | 999.27              | 16.65      | -12.67     | 20.92                 | 1.50                  | 1.50                 | 0.00                |
| 1,100.00            | 7.50            | 322.73      | 1,098.57            | 26.00      | -19.79     | 32.68                 | 1.50                  | 1.50                 | 0.00                |
| 1,200.00            | 9.00            | 322.73      | 1,197.54            | 37.42      | -28.48     | 47.03                 | 1.50                  | 1.50                 | 0.00                |
| 1,300.00            | 10.50           | 322.73      | 1,296.09            | 50.90      | -38.73     | 63.96                 | 1.50                  | 1.50                 | 0.00                |
| 1,400.00            | 12.00           | 322.73      | 1,394.16            | 66.42      | -50.55     | 83.47                 | 1.50                  | 1.50                 | 0.00                |
| 1,421.54            | 12.32           | 322.73      | 1,415.22            | 70.04      | -53.30     | 88.01                 | 1.50                  | 1.50                 | 0.00                |
| 1,500.00            | 12.32           | 322.73      | 1,491.87            | 83.36      | -63.44     | 104.75                | 0.00                  | 0.00                 | 0.00                |
| 1,600.00            | 12.32           | 322.73      | 1,589.57            | 100.34     | -76.36     | 126.10                | 0.00                  | 0.00                 | 0.00                |
| 1,700.00            | 12.32           | 322.73      | 1,687.26            | 117.33     | -89.29     | 147.44                | 0.00                  | 0.00                 | 0.00                |
| 1,800.00            | 12.32           | 322.73      | 1,784.96            | 134.31     | -102.21    | 168.78                | 0.00                  | 0.00                 | 0.00                |
| 1,900.00            | 12.32           | 322.73      | 1,882.66            | 151.30     | -115.13    | 190.12                | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 12.32           | 322.73      | 1,980.35            | 168.28     | -128.06    | 211.47                | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 12.32           | 322.73      | 2,078.05            | 185.26     | -140.98    | 232.81                | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 12.32           | 322.73      | 2,175.74            | 202.25     | -153.91    | 254.15                | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 12.32           | 322.73      | 2,273.44            | 219.23     | -166.83    | 275.49                | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 12.32           | 322.73      | 2,371.14            | 236.22     | -179.76    | 296.84                | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 12.32           | 322.73      | 2,468.83            | 253.20     | -192.68    | 318.18                | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 12.32           | 322.73      | 2,566.53            | 270.18     | -205.61    | 339.52                | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 12.32           | 322.73      | 2,664.22            | 287.17     | -218.53    | 360.86                | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 12.32           | 322.73      | 2,761.92            | 304.15     | -231.46    | 382.20                | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 12.32           | 322.73      | 2,859.62            | 321.14     | -244.38    | 403.55                | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 12.32           | 322.73      | 2,957.31            | 338.12     | -257.31    | 424.89                | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 12.32           | 322.73      | 3,055.01            | 355.10     | -270.23    | 446.23                | 0.00                  | 0.00                 | 0.00                |
| 3,200.00            | 12.32           | 322.73      | 3,152.70            | 372.09     | -283.15    | 467.57                | 0.00                  | 0.00                 | 0.00                |
| 3,300.00            | 12.32           | 322.73      | 3,250.40            | 389.07     | -296.08    | 488.92                | 0.00                  | 0.00                 | 0.00                |
| 3,400.00            | 12.32           | 322.73      | 3,348.10            | 406.06     | -309.00    | 510.26                | 0.00                  | 0.00                 | 0.00                |
| 3,500.00            | 12.32           | 322.73      | 3,445.79            | 423.04     | -321.93    | 531.60                | 0.00                  | 0.00                 | 0.00                |
| 3,600.00            | 12.32           | 322.73      | 3,543.49            | 440.02     | -334.85    | 552.94                | 0.00                  | 0.00                 | 0.00                |
| 3,700.00            | 12.32           | 322.73      | 3,641.18            | 457.01     | -347.78    | 574.29                | 0.00                  | 0.00                 | 0.00                |
| 3,800.00            | 12.32           | 322.73      | 3,738.88            | 473.99     | -360.70    | 595.63                | 0.00                  | 0.00                 | 0.00                |
| 3,900.00            | 12.32           | 322.73      | 3,836.58            | 490.98     | -373.63    | 616.97                | 0.00                  | 0.00                 | 0.00                |
| 4,000.00            | 12.32           | 322.73      | 3,934.27            | 507.96     | -386.55    | 638.31                | 0.00                  | 0.00                 | 0.00                |
| 4,100.00            | 12.32           | 322.73      | 4,031.97            | 524.94     | -399.48    | 659.66                | 0.00                  | 0.00                 | 0.00                |
| 4,200.00            | 12.32           | 322.73      | 4,129.66            | 541.93     | -412.40    | 681.00                | 0.00                  | 0.00                 | 0.00                |
| 4,300.00            | 12.32           | 322.73      | 4,227.36            | 558.91     | -425.33    | 702.34                | 0.00                  | 0.00                 | 0.00                |
| 4,400.00            | 12.32           | 322.73      | 4,325.06            | 575.90     | -438.25    | 723.68                | 0.00                  | 0.00                 | 0.00                |
| 4,500.00            | 12.32           | 322.73      | 4,422.75            | 592.88     | -451.17    | 745.03                | 0.00                  | 0.00                 | 0.00                |
| 4,600.00            | 12.32           | 322.73      | 4,520.45            | 609.86     | -464.10    | 766.37                | 0.00                  | 0.00                 | 0.00                |
| 4,700.00            | 12.32           | 322.73      | 4,618.14            | 626.85     | -477.02    | 787.71                | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 12.32           | 322.73      | 4,715.84            | 643.83     | -489.95    | 809.05                | 0.00                  | 0.00                 | 0.00                |
| 4,900.00            | 12.32           | 322.73      | 4,813.54            | 660.82     | -502.87    | 830.40                | 0.00                  | 0.00                 | 0.00                |
| 5,000.00            | 12.32           | 322.73      | 4,911.23            | 677.80     | -515.80    | 851.74                | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 12.32           | 322.73      | 5,008.93            | 694.78     | -528.72    | 873.08                | 0.00                  | 0.00                 | 0.00                |
| 5,200.00            | 12.32           | 322.73      | 5,106.62            | 711.77     | -541.65    | 894.42                | 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  
**Site:** Pleasant Valley R-9-9-17  
**Well:** Pleasant Valley R-9-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Pleasant Valley R-9-9-17  
**TVD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**MD Reference:** GL 5251' & RKB 12' @ 5263.00ft (NDSI 2)  
**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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,295.58            | 12.32           | 322.73      | 5,200.00            | 728.00     | -554.00    | 914.82                | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 12.32           | 322.73      | 5,204.32            | 728.75     | -554.57    | 915.77                | 0.00                  | 0.00                 | 0.00                |
| 5,400.00            | 12.32           | 322.73      | 5,302.02            | 745.73     | -567.50    | 937.11                | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 12.32           | 322.73      | 5,399.71            | 762.72     | -580.42    | 958.45                | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 12.32           | 322.73      | 5,497.41            | 779.70     | -593.35    | 979.79                | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 12.32           | 322.73      | 5,595.10            | 796.69     | -606.27    | 1,001.14              | 0.00                  | 0.00                 | 0.00                |
| 5,800.00            | 12.32           | 322.73      | 5,692.80            | 813.67     | -619.19    | 1,022.48              | 0.00                  | 0.00                 | 0.00                |
| 5,900.00            | 12.32           | 322.73      | 5,790.50            | 830.65     | -632.12    | 1,043.82              | 0.00                  | 0.00                 | 0.00                |
| 6,000.00            | 12.32           | 322.73      | 5,888.19            | 847.64     | -645.04    | 1,065.16              | 0.00                  | 0.00                 | 0.00                |
| 6,100.00            | 12.32           | 322.73      | 5,985.89            | 864.62     | -657.97    | 1,086.51              | 0.00                  | 0.00                 | 0.00                |
| 6,114.45            | 12.32           | 322.73      | 6,000.00            | 867.08     | -659.84    | 1,089.59              | 0.00                  | 0.00                 | 0.00                |

### Targets

| Target Name                                                                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude        | Longitude        |
|------------------------------------------------------------------------------------------------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|------------------|
| Pleasant Valley R-9-9-1;<br>- hit/miss target<br>- Shape<br>- plan hits target center<br>- Circle (radius 75.00) | 0.00          | 0.00         | 5,200.00 | 728.00     | -554.00    | 7,187,516.65  | 2,057,184.63 | 40° 2' 31.315 N | 110° 0' 40.684 W |

**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #R-9-9-17  
AT SURFACE: SW/SE SECTION 9, T9S, R17E  
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 Pleasant Valley Federal #R-9-9-17 located in the SW 1/4 SE 1/4 Section 9, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles  $\pm$  to its junction with an existing dirt road to the southwest; proceed southwesterly - 1.4 miles  $\pm$  to its junction with an existing road to the east; proceed easterly - 0.5 miles  $\pm$  to its junction with an existing road to the north; proceed northerly 0.1 miles  $\pm$  to its junction with the beginning of the access road to the existing Pleasant Valley 15-9H-9-17 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 Pleasant Valley 15-9H-9-17 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 Pleasant Valley 15-9H-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Pleasant Valley Federal R-9-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

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

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

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

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well

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

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Pleasant Valley Federal R-9-9-17 will be drilled off of the existing Pleasant Valley 15-9H-9-17 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 430' of disturbed area be granted in Lease UTU-50750 and 530' of disturbed area be granted in Lease UTU-61052 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.

The Archaeological Resource Survey and Paleontological Resource Survey for the 960' of proposed water injection pipeline will be forthcoming.

**Water Disposal**

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

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

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

None for the proposed Pleasant Valley Federal R-9-9-17.

**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>       | 5 lbs/acre    |
| Crested Wheatgrass | <i>Agropyron Cristatum</i>    | 5 lbs/acre    |
| Gardner Saltbush   | <i>Atriplex Gardneri</i>      | 0.5 lbs/acre  |
| Shadscale          | <i>Atriplex Confertifolia</i> | 0.5 lbs/acre  |
| Forage Kochia      | <i>Kochia Prostrata</i>       | 0.25 lbs/acre |

**Details of the On-Site Inspection**

The proposed Pleasant Valley Federal R-9-9-17 was on-sited on 12/18/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management).. Weather conditions were clear and ground cover was open.

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

Representative

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

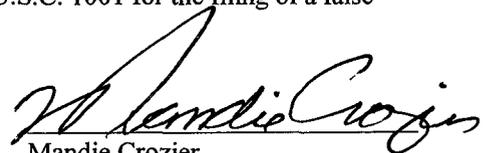
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #R-9-9-17 SW/SE Section 9, Township 9S, Range 17E: Lease UTU-61052 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 drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/14/08

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

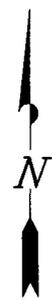
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

PLEASANT VALLEY R-9-9-17 (Proposed Well)

PLEASANT VALLEY 15-9H-9-17 (Existing Well)

Pad Location: SWSE Section 9, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

R-9-9-17 (PROPOSED)  
662' FSL & 2001' FEL

### BOTTOM HOLE FOOTAGES

R-9-9-17 (PROPOSED)  
1390' FSL & 2555' FEL

Existing Access

Edge of Existing Pad

Existing Anchor (Typ.)

N37°06'21"W - 916.35'  
(To Bottom Hole)

R-9-9-17 (PROPOSED)

15-9H-9-17 (EXISTING)

S63°52'59"W

Pump Jack

Existing Access

Boiler

Future Pit

Existing Tanks

### Note:

Bearings are based on GLO Information.

RELATIVE COORDINATES  
From top hole to bottom hole

| WELL     | NORTH | EAST  |
|----------|-------|-------|
| R-9-9-17 | 731'  | -553' |

LATITUDE & LONGITUDE  
Surface position of Wells (NAD 83)

| WELL       | LATITUDE       | LONGITUDE       |
|------------|----------------|-----------------|
| R-9-9-17   | 40° 02' 24.12" | 110° 00' 33.56" |
| 15-9H-9-17 | 40° 02' 24.06" | 110° 00' 33.30" |

|                   |                          |
|-------------------|--------------------------|
| SURVEYED BY: R.R. | DATE SURVEYED: 09-13-07  |
| DRAWN BY: F.T.M.  | DATE DRAWN: 10-26-07     |
| SCALE: 1" = 50'   | REVISED: L.C.S. 01-23-08 |

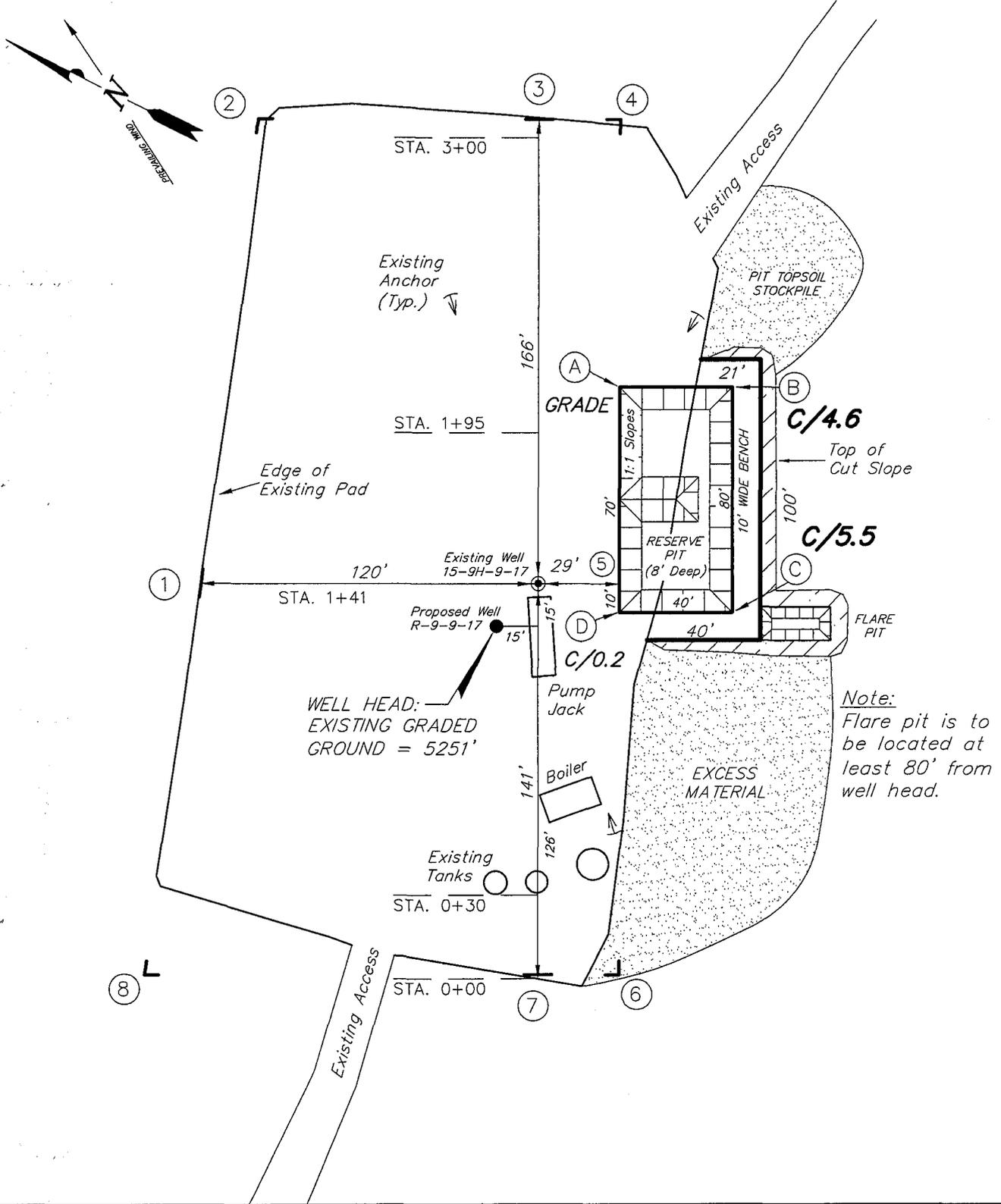
Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

PLEASANT VALLEY R-9-9-17 (Proposed Well)

PLEASANT VALLEY 15-9H-9-17 (Existing Well)

Pad Location: SWSE Section 9, T9S, R17E, S.L.B.&M.



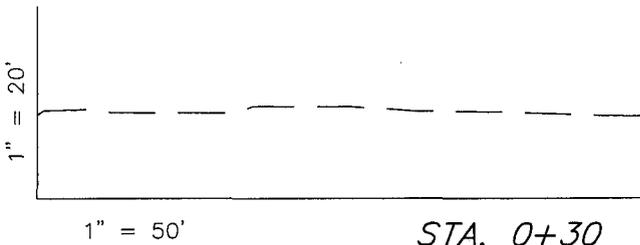
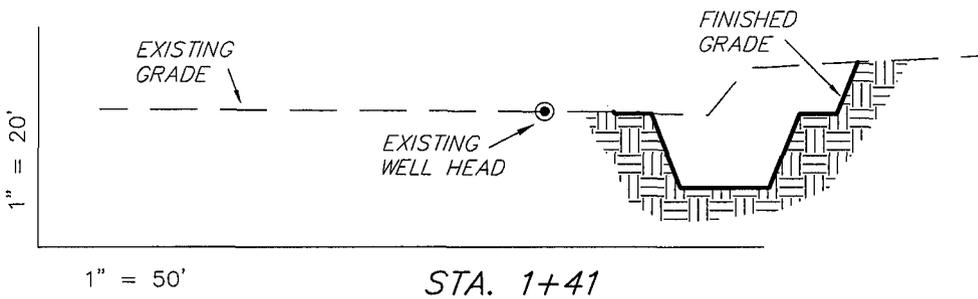
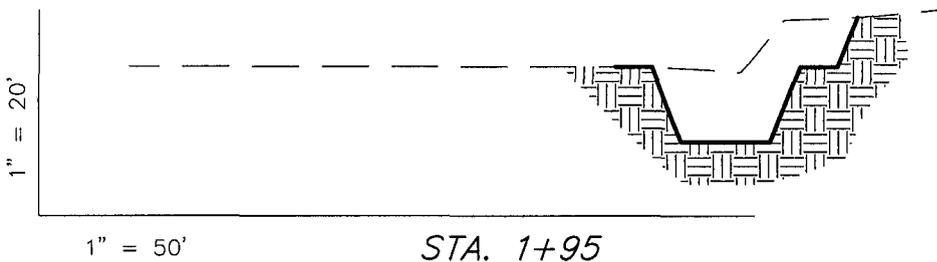
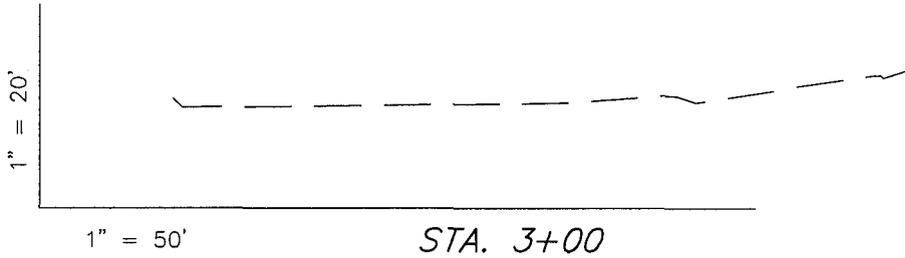
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|-------------------|-------------------------|
| SURVEYED BY: R.R. | DATE SURVEYED: 09-13-07 |
| DRAWN BY: F.T.M.  | DATE DRAWN: 10-26-07    |
| SCALE: 1" = 50'   | REVISED:                |

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 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

PLEASANT VALLEY R-9-9-17 (Proposed Well)  
PLEASANT VALLEY 15-9H-9-17 (Existing Well)



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

| ESTIMATED EARTHWORK QUANTITIES<br>(No Shrink or swell adjustments have been used)<br>(Expressed in Cubic Yards) |       |      |                                          |        |
|-----------------------------------------------------------------------------------------------------------------|-------|------|------------------------------------------|--------|
| ITEM                                                                                                            | CUT   | FILL | 6" TOPSOIL                               | EXCESS |
| PAD                                                                                                             | 620   | 0    | Topsoil is<br>not included<br>in Pad Cut | 620    |
| PIT                                                                                                             | 640   | 0    |                                          | 640    |
| TOTALS                                                                                                          | 1,260 | 0    | 140                                      | 1,260  |

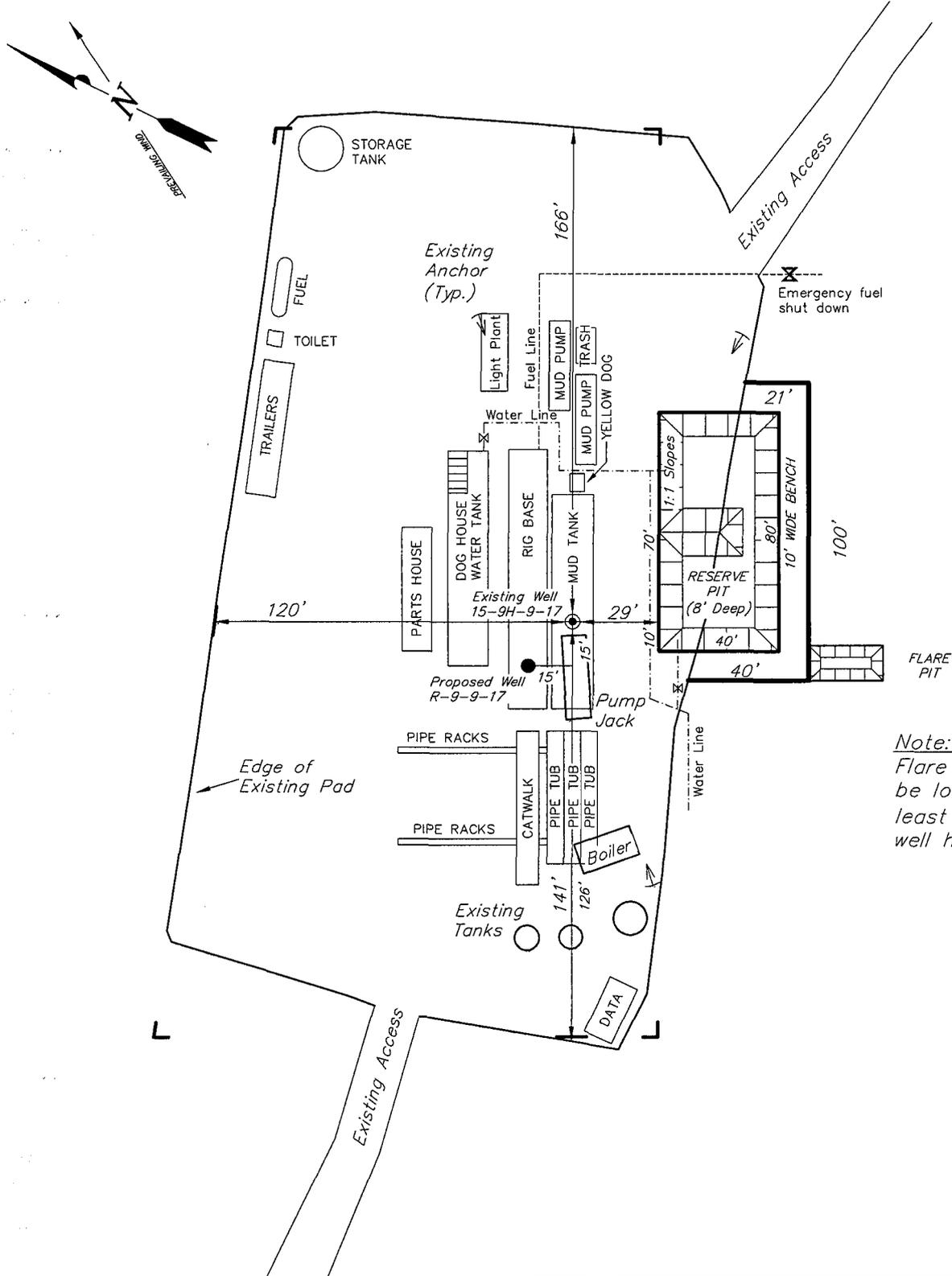
|                   |                         |  |
|-------------------|-------------------------|--|
| SURVEYED BY: R.R. | DATE SURVEYED: 09-13-07 |  |
| DRAWN BY: F.T.M.  | DATE DRAWN: 10-26-07    |  |
| SCALE: 1" = 50'   | REVISED:                |  |

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# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

PLEASANT VALLEY R-9-9-17 (Proposed Well)  
 PLEASANT VALLEY 15-9H-9-17 (Existing Well)



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

|                   |                         |
|-------------------|-------------------------|
| SURVEYED BY: R.R. | DATE SURVEYED: 09-13-07 |
| DRAWN BY: F.T.M.  | DATE DRAWN: 10-26-07    |
| SCALE: 1" = 50'   | REVISED:                |

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

# Newfield Production Company Proposed Site Facility Diagram

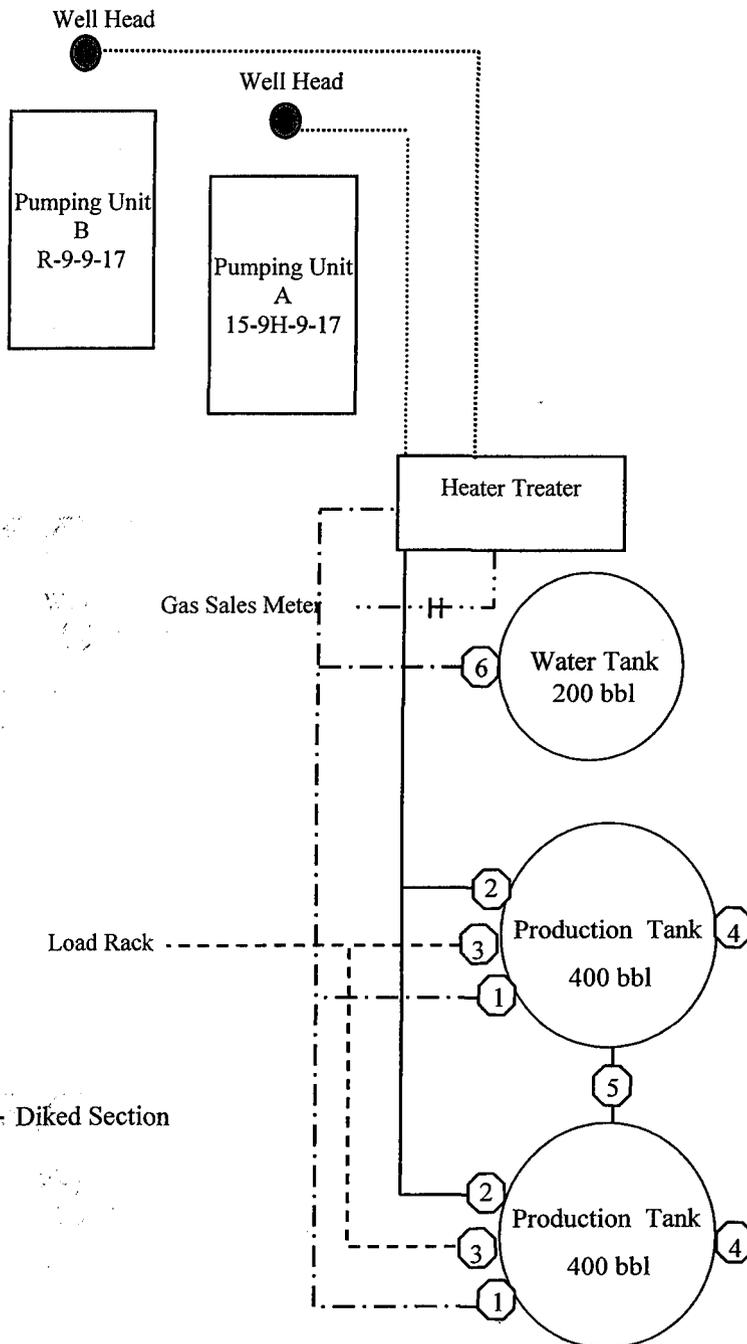
Pleasant Valley Federal R-9-9-17

From the 15-9H-9-17 Location

SW/SE Sec. 9 T9S, R17E

Duchesne County, Utah

UTU-61052



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

**Production Phase:**

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

**Sales Phase:**

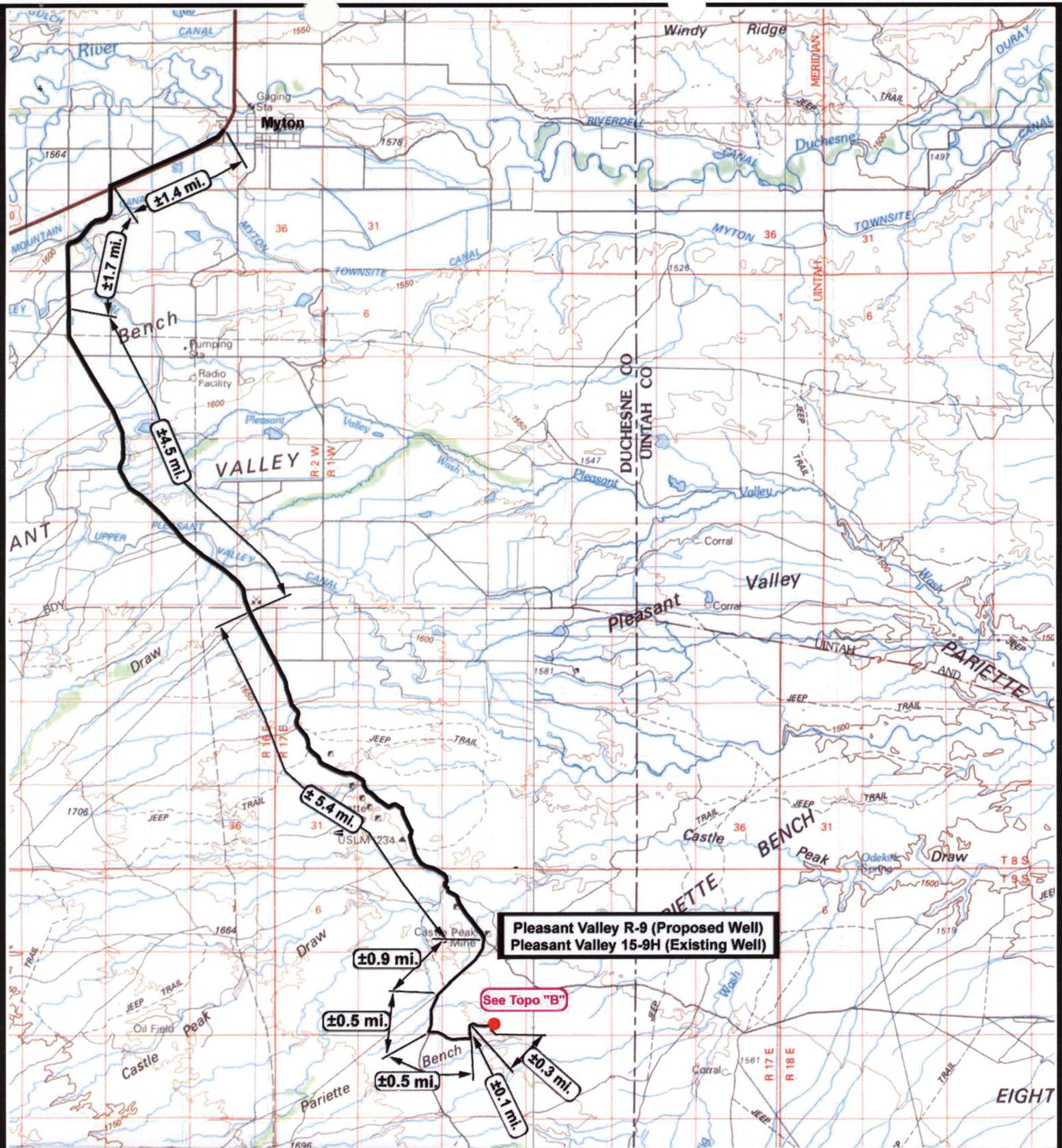
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

**Draining Phase:**

- 1) Valves 1 and 6 open

**Legend**

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



**NEWFIELD**  
Exploration Company

**Pleasant Valley R-9-9-17 (Proposed Well)**  
**Pleasant Valley 15-9H-9-17 (Existing Well)**  
Pad Location: SWSE Sec. 9, T9S, R17E, S.L.B.&M.



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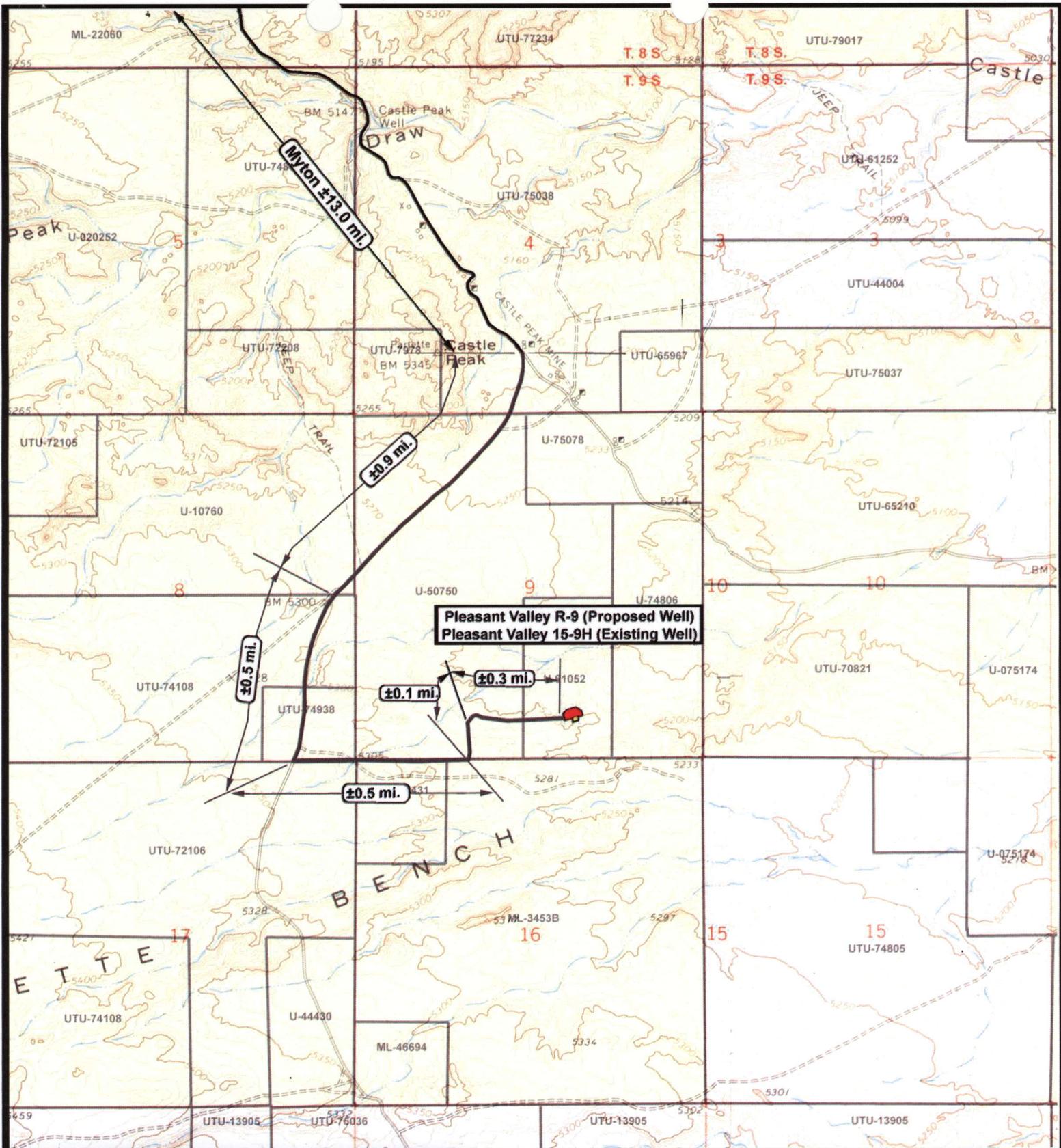
SCALE: 1:100,000  
DRAWN BY: nc  
DATE: 11-09-2007

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**Pleasant Valley R-9-9-17 (Proposed Well)**  
**Pleasant Valley 15-9H-9-17 (Existing Well)**  
Pad Location: SWSE Sec. 9, T9S, R17E, S.L.B.&M.



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

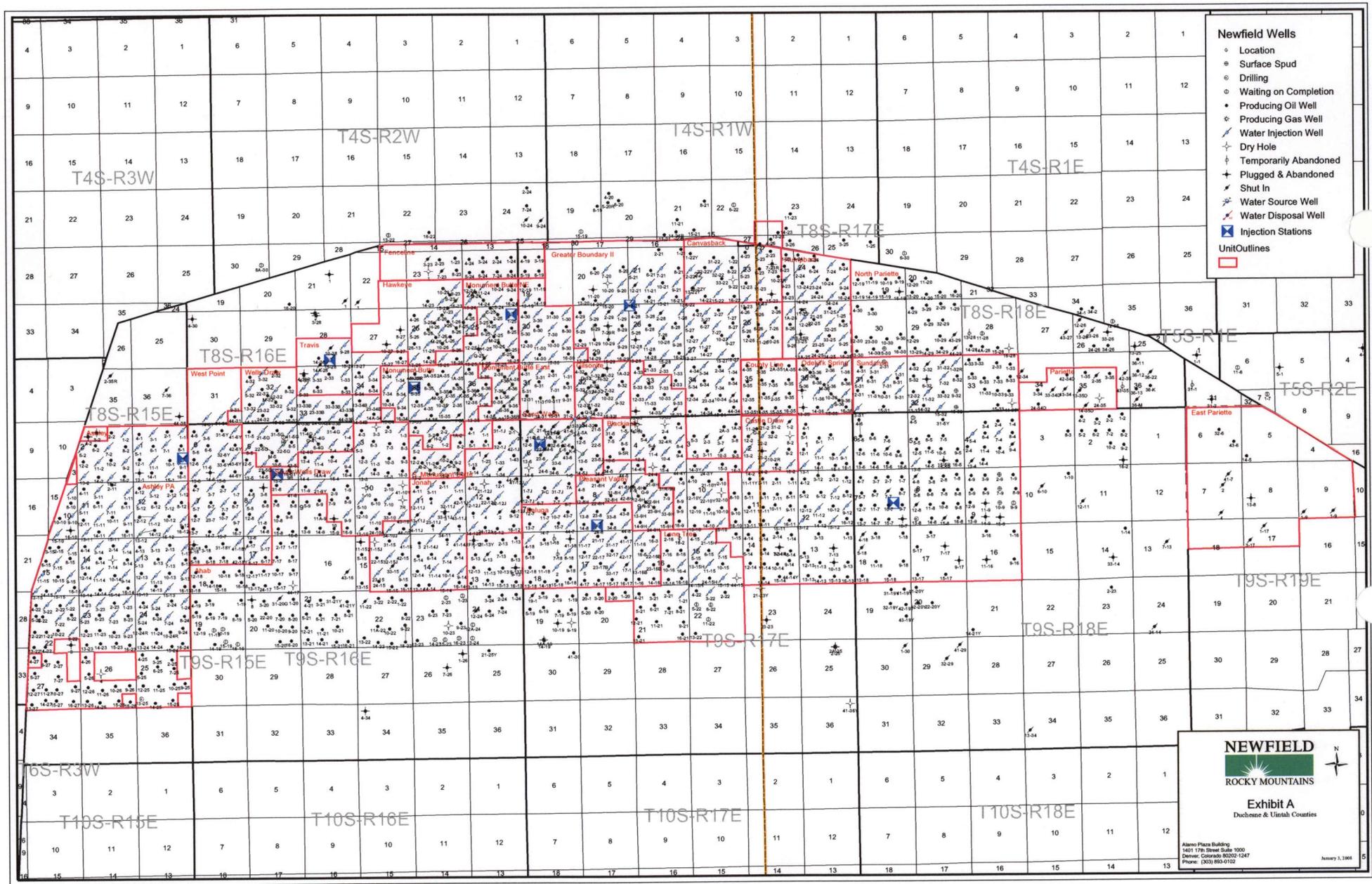
SCALE: 1" = 2,000'  
DRAWN BY: nc  
DATE: 11-09-2007

**Legend**

Existing Road

TOPOGRAPHIC MAP  
**"B"**





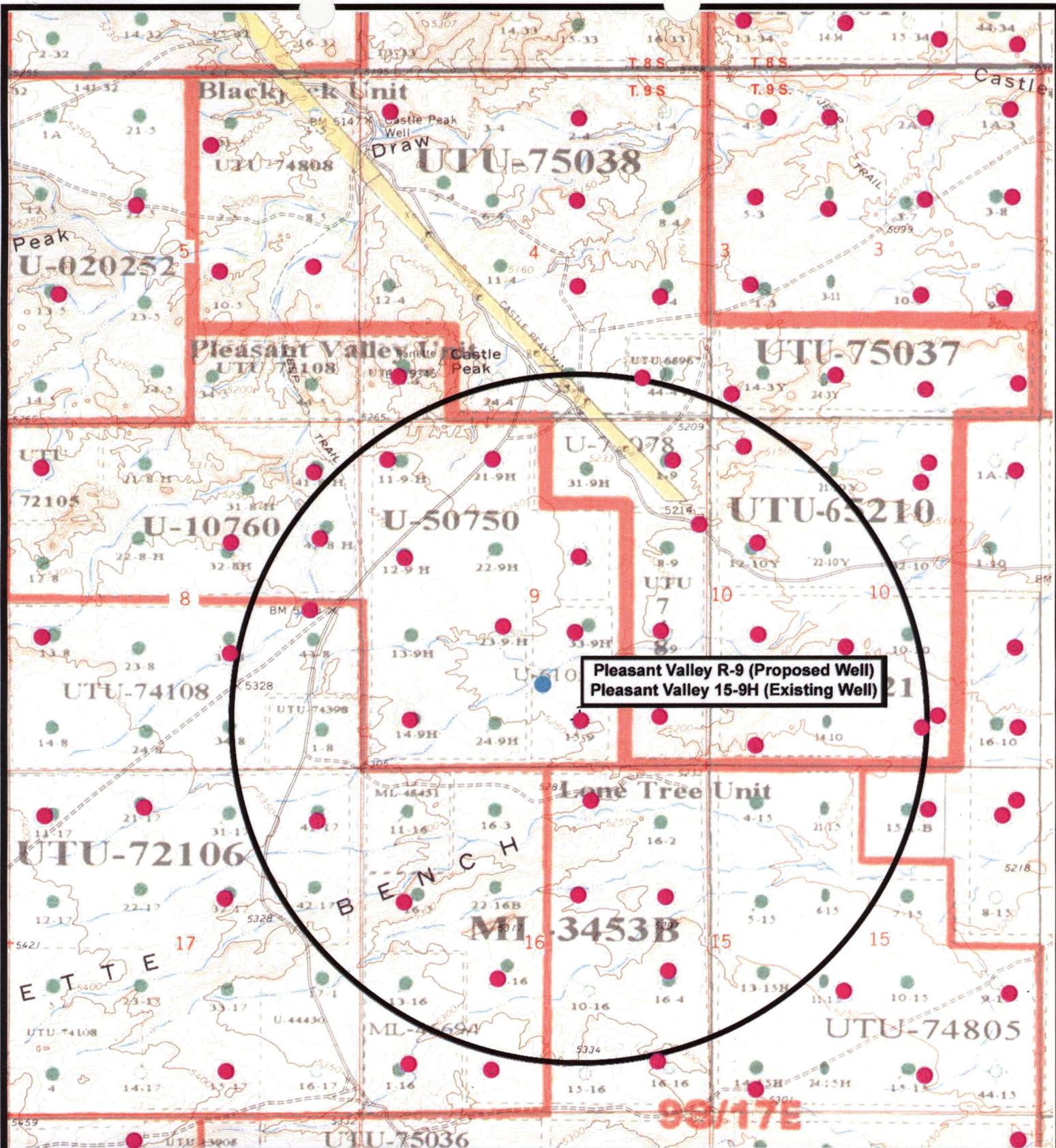
- Newfield Wells**
- Location
  - Surface Spud
  - ⊙ Drilling
  - ⊙ Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - ⚡ Water Injection Well
  - ⊖ Dry Hole
  - ⊕ Temporarily Abandoned
  - ⊕ Plugged & Abandoned
  - ⊕ Shut In
  - ⚡ Water Source Well
  - ⚡ Water Disposal Well
  - ⊕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

**NEWFIELD**  
 ROCKY MOUNTAINS

Exhibit A  
 Duchesne & Uintah Counties

Alamo Plaza Building  
 1401 17th Street Suite 1000  
 Denver, Colorado 80202-1247  
 Phone: (303) 955-0102

January 3, 2008



Pleasant Valley R-9 (Proposed Well)  
 Pleasant Valley 15-9H (Existing Well)



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

**Legend**

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

**Pleasant Valley R-9-9-17 (Proposed Well)**  
**Pleasant Valley 15-9H-9-17 (Existing Well)**  
 Pad Location: SWSE Sec. 9, T9S, R17E, S.L.B.&M.

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 11-09-2007

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

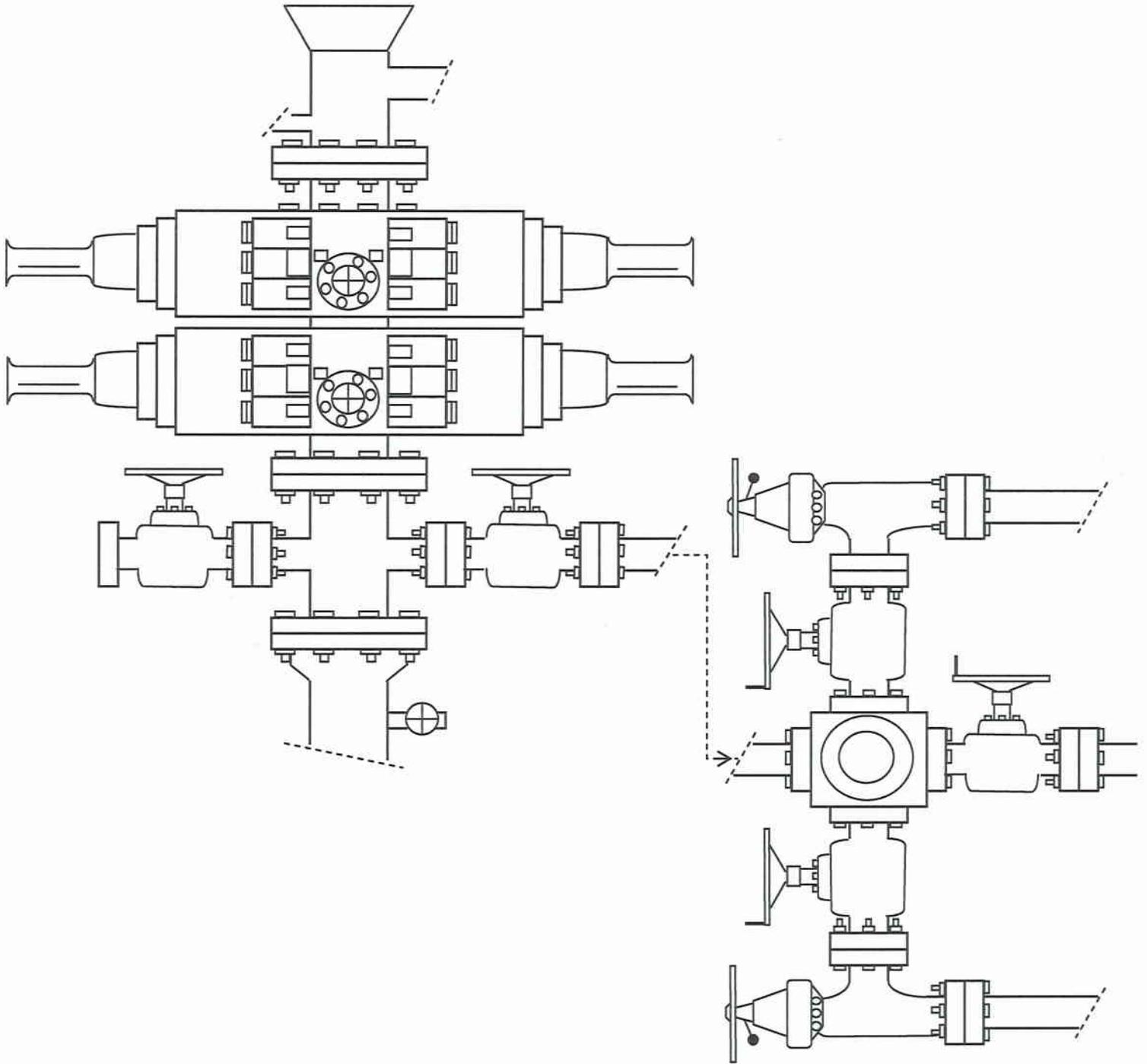


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/31/2008

API NO. ASSIGNED: 43-013-33895

WELL NAME: PLEASANT VLY FED R-9-9-17  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

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

SWSE 09 090S 170E  
 SURFACE: 0662 FSL 2001 FEL  
 BOTTOM: 1390 FSL 2555 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.04009 LONGITUDE: -110.0087  
 UTM SURF EASTINGS: 584575 NORTHINGS: 4432468  
 FIELD NAME: MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-61052  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

- R649-2-3.
- Unit: PLEASANT VALLEY (GR)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 234-01CA  
Eff Date: 10-25-2006  
Siting: Suspends Unit Siting
- R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval

19S R17E

CASTLE DRAW  
12-4-9-17

BLACKJACK  
FED 10-4-9-17

CASTLE  
DRAW  
9-4-9-17

MONUMENT  
BUTTE 1-3

CAUSE: 234-2 / 12-22-1999

### MONUMENT BUTTE FIELD BLACKJACK (GR) UNIT

FEDERAL  
44-5H

PLEASANT VLY  
FED Y-4-9-17  
FEDERAL  
14-4H

MAXUS FED  
24-4

CASTLE  
DRAW  
15-4-9-17

FEDERAL  
44-4Y  
COTTON  
44-4

MON FED  
14-3-9-17Y

BHL  
Y-4-9-17

PLEASANT VALLEY  
FED G-9-9-17  
FEDERAL 21-9H

V-4-9-17

BHT

BLACKJACK  
FED V-4-9-17

BLACKJACK  
FED 4-10-9-17

PLEASANT VLY  
FED B-8-9-17  
NGC 41-8H

FEDERAL  
11-9-H

MONUMENT  
BUTTE FED 9-2

CASTLE  
DRAW  
1-9-9-17

BHL  
F-9-9-17

BHL  
G-9-9-17

FEDERAL  
31R-9H

FEDERAL  
42-8H

PLEASANT VALLEY  
FED F-9-9-17  
FEDERAL 12-9-H

FEDERAL  
NGC 22-9-H

NGC FED 32-9-H  
PLEASANT  
VLY 7-9-9-17  
PLEASANT VLY  
FED M-9-9-17

CASTLE DRAW  
8-9-9-17

BALCRON MON  
FED 12-10-9-17Y

BHL  
N-9-9-17

BHL  
G-9-9-17

BHL  
M-9-9-17  
LAT # 2  
M-9-9-17

BHL  
O-10-9-17

PAIUTE  
FEDERAL 43-8

FEDERAL  
13-9H

FEDERAL  
23-9-H  
PLEASANT VLY  
FED N-9-9-17

FEDERAL  
33-9H

BLACKJACK  
FED 12-10-9-17

BHL  
Q-9-9-17

BHL  
R-9-9-17

BLACKJACK  
FED 9-9-9-17  
BLACKJACK  
FED O-10-9-17

MON FED  
44-8-9-17B

FEDERAL 14-9H  
PLEASANT VLY  
FED Q-9-9-17

NGC 24-9H  
FED

PLEASANT VLY  
FED R-9-9-17  
PLEASANT VALLEY  
15-9-9-17

NGC FED  
44-9-H  
BLACKJACK  
FED 16-9-9-17

BLACKJACK  
FED 13-10-9-17

### PLEASANT VALLEY (GR) UNIT

CAUSE: 234-1(A) / 10-25-2006

BHL  
B-17-9-17

MONUMENT  
FED 41-17

MON ST  
11-16-9-17B

SUE MORRIS  
16-3

LONE TREE U  
2-16-9-17

STATE 16-2

S PLEASANT  
VALLEY FED 4-15-9-17

### BELUGA (GR) UNIT

### LONE TREE (GR) UNIT

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 9 T.9S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 234-1(A) / 10-25-2006

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 11-FEBRUARY-2008



February 12, 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  
Pleasant Valley Federal R-9-9-17  
Pleasant Valley Unit  
UTU-74477X  
Surface Hole: T9S R17E, Section 9: SW/4SE/4  
662' FSL 2001' FEL  
At Target: T9S R17E, Section 9  
1390' FSL 2555' FEL  
Duchesne County, Utah

43-03-33895

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated January 14, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and target location of this well are both within the boundaries of the Pleasant Valley Federal Unit UTU-74477X. Newfield certifies that it is the Pleasant Valley Unit Operator and all lands within 460 feet of the entire directional well bore are within the Pleasant Valley Unit.

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

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

Sincerely,

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

Roxann Eveland  
Land Associate

RECEIVED

FEB 19 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

5. Lease Serial No.  
UTU-61052

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

7. If Unit or CA Agreement, Name and No.  
Pleasant Valley Unit

8. Lease Name and Well No.  
Pleasant Valley Federal R-9-9-17

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 9, T9S R17E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SWSE 662' FSL 2001' FEL  
At proposed prod. zone At Target: 1390' FSL 2555' FEL BHL: 1529' FSL 2661' FEL

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 15.3 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 85' file, 1390' ti/unit

16. No. of Acres in lease  
80.00

17. Spacing Unit dedicated to this well  
20 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1301'

19. Proposed Depth  
6000'

20. BLM/BIA Bond No. on file  
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5251' GL

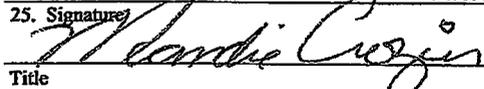
22. Approximate date work will start\*  
1st Quarter 2008

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

25. Signature:  Name (Printed/Typed): Mandie Crozier Date: 1/14/08

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

FEB 19 2008

DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

June 2, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Pleasant Valley  
Unit, Duchesne County, Utah.

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

| API#         | WELL NAME                 | LOCATION                                                                            |
|--------------|---------------------------|-------------------------------------------------------------------------------------|
|              | (Proposed PZ Green River) |                                                                                     |
| 43-013-33895 | Pleasant Valley Fed       | R-9-9-17 Sec 9 T09S R17E 0662 FSL 2001 FEL<br>BHL Sec 9 T09S R17E 1529 FSL 2661 FEL |

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-2-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 2, 2008

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

Re: Pleasant Valley Federal R-9-9-17 Well, Surface Location 662' FSL, 2001' FEL, SW SE, Sec. 9, T. 9 South, R. 17 East, Bottom Location 1390' FSL, 2555' FEL, NW SE, Sec. 9, T. 9 South, R. 17 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 43-013-33895.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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



Operator: Newfield Production Company  
Well Name & Number Pleasant Valley Federal R-9-9-17  
API Number: 43-013-33895  
Lease: UTU-61052

Surface Location: SW SE      Sec. 9      T. 9 South      R. 17 East  
Bottom Location: NW SE      Sec. 9      T. 9 South      R. 17 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

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

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

#### 3. Reporting Requirements

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.<br>UTU-61052                                                 |
| 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<br>N/A                                      |
| 2. Name of Operator<br>Newfield Production Company                                                                                                                                                                     |                                                           | 7. If Unit or CA Agreement, Name and No.<br>Pleasant Valley Unit                 |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052                                                                                                                                                                       |                                                           | 8. Lease Name and Well No.<br>Pleasant Valley Federal R-9-9-17                   |
| 3b. Phone No. (include area code)<br>(435) 646-3721                                                                                                                                                                    |                                                           | 9. API Well No.<br>43 013 33895                                                  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface SW/SE 662' FSL 2001' FEL<br>At proposed prod. zone 1529' FSL 2661' FEL NWSE                               |                                                           | 10. Field and Pool, or Exploratory<br>Monument Butte                             |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 15.3 miles southeast of Myton, Utah                                                                                             |                                                           | 11. Sec., T., R., M., or Blk. and Survey or Area<br>Sec. 9, T9S R17E             |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 21' f/lse, 1341' f/unit                                                                  | 16. No. of Acres in lease<br>80.00                        | 17. Spacing Unit dedicated to this well<br>20 Acres                              |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1099'                                                                                               | 19. Proposed Depth<br>6000'                               | 20. BLM/BIA Bond No. on file<br>WYB000493                                        |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5251' GL                                                                                                                                                        | 22. Approximate date work will start*<br>2nd Quarter 2008 | 23. Estimated duration<br>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<br><i>Mandie Crozier</i>                        | Name (Printed/Typed)<br>Mandie Crozier | Date<br>2/19/08   |
| Title<br>Regulatory Specialist                                |                                        |                   |
| Approved by (Signature)<br><i>Jerry Kawena</i>                | Name (Printed/Typed)<br>Jerry Kawena   | Date<br>7-29-2008 |
| Title<br>Assistant Field Manager<br>Lands & Mineral Resources | Office<br>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)

**UDOGM**

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JAN 31 2008

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FEB 22 2008

DIV. OF OIL, GAS & MINING BLM/VERNAL, UTAH

BLM/VERNAL, UTAH

NOS 12/11/07  
08PP0266A



**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>SWSE, Sec. 9, T9S, R17E (S)<br/>NWSE, Sec. 9, T9S, R17E (B)</b> |
| <b>Well No:</b> | <b>Pleasant Valley Federal R-9-9-17</b> | <b>Lease No:</b>  | <b>UTU-61052</b>                                                   |
| <b>API No:</b>  | <b>43-013-33895</b>                     | <b>Agreement:</b> | <b>Pleasant Valley 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:               | James Ashley    | (435) 781-4470             | (435) 828-7874           |
| Petroleum Engineer:               | Ryan Angus      | (435) 781-4430             | (435) 828-7368           |
| Supervisory Petroleum Technician: | Jamie Sparger   | (435) 781-4502             | (435) 828-3913           |
| 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:             | Darren Williams | (435) 781-4447             | (435) 828-4029           |
| 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<br>(Notify Environmental Scientist)       | - Forty-Eight (48) hours prior to construction of location and access roads.                                                                   |
| Location Completion<br>(Notify Environmental Scientist)         | - Prior to moving on the drilling rig.                                                                                                         |
| Spud Notice<br>(Notify Petroleum Engineer)                      | - Twenty-Four (24) hours prior to spudding the well.                                                                                           |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.                                                             |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests.                                                                                   |
| First Production Notice<br>(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.

**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.

**Comments:**

- GIS data shows the project area is within Mountain plover nesting habitat. Because the proposed location is going to be directional drilled from an existing location and no new disturbance will be required Mountain plover timing restrictions were not applied.
- During the onsite it was evident that scattered complexes of White-tailed prairie dog colonies (Burrowing owl nesting habitat) were in the area. Because the proposed location is going to be directional drilled from an existing location and minimal disturbance is taking place Burrowing owl timing restrictions were not applied.

**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      | ¼ - ½"                          |
| Siberian wheatgrass | <i>Agropyron fragile</i>      | 1.0      | ½"                              |
| Shadscale saltbush  | <i>Atriplex confertifolia</i> | 0.50     | ½"                              |
| Four-wing saltbush  | <i>Atriplex canescens</i>     | 0.50     | ½"                              |
| Gardner's saltbush  | <i>Atriplex gardneri</i>      | 0.50     | ½"                              |
| Scarlet globemallow | <i>Sphaeralcea coccinea</i>   | 0.10     | ⅛ - ¼"                          |

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

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

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Logging program: Gamma Ray shall be run from TD to surface.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

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

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

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

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #  
29 Submitted By Don Bastian Phone  
Number 435-823-6012  
Well Name/Number Pleasant Valley Federal R-9-9-17  
Qtr/Qtr SW/SE Section 9 Township 9S Range 17E  
Lease Serial Number UTU-  
61052  
API Number 43-013-33895

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

Date/Time 4/9/09 9:00 AM  PM

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

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

Date/Time 4/9/09 4:00 AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

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)

662 FSL 2001 FEL

SWSE Section 9 T9S R17E

5. Lease Serial No.

USA UTU-61052

6. If Indian, Allottee or Tribe Name.

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

PLEASANT VALLEY UNIT

8. Well Name and No.

PLSNT VLY R-9-9-17

9. API Well No.

4301333895

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 checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment           | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input 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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/9/09 MIRU Ross #21. Spud well @ 9:00am. Drill 315' of 121/4" hole with air mist. TIH w/8 jt's 85/8" j-55 24# csgn. set @ 319.08KB. On 4/13/09 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 4 bbls cement to pit. Woc.

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

Jav Burton

Signature



Title

Drilling Foreman

Date

04/14/2009

**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

Office

Date

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

(Instructions on page 2)

**RECEIVED**

**APR 15 2009**

DIV. OF OIL, GAS & MINING





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

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

OPERATOR ACCT. NO. **N2695**

| ACTION CODE                                    | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME                           | WELL LOCATION |    |    |     |          | SPUD DATE | EFFECTIVE DATE |
|------------------------------------------------|--------------------|----------------|------------|-------------------------------------|---------------|----|----|-----|----------|-----------|----------------|
|                                                |                    |                |            |                                     | QQ            | SC | TP | RG  | COUNTY   |           |                |
| A                                              | 99999              | 17303          | 4301334233 | STATE 2-36-8-15                     | NWNE          | 36 | 8S | 15E | DUCHESNE | 4/17/2009 | 4/29/09        |
| WELL 1 COMMENTS: <i>GRPV</i>                   |                    |                |            |                                     |               |    |    |     |          |           |                |
| B                                              | 99999              | 12277          | 4301333895 | PLEASANT VALLEY<br>FEDERAL R-9-9-17 | SWSE          | 9  | 9S | 17E | DUCHESNE | 4/9/2009  | 4/29/09        |
| WELL 2 COMMENTS: <i>GRPV</i> <i>BHL = NWSE</i> |                    |                |            |                                     |               |    |    |     |          |           |                |
|                                                |                    |                |            |                                     |               |    |    |     |          |           |                |
|                                                |                    |                |            |                                     |               |    |    |     |          |           |                |
|                                                |                    |                |            |                                     |               |    |    |     |          |           |                |
|                                                |                    |                |            |                                     |               |    |    |     |          |           |                |
| WELL 5 COMMENTS:                               |                    |                |            |                                     |               |    |    |     |          |           |                |
|                                                |                    |                |            |                                     |               |    |    |     |          |           |                |
| 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 - ther (explain in comments section)

**RECEIVED**  
**APR 20 2009**

DIV. OF OIL, GAS & MINING

*[Signature]*  
 Signature \_\_\_\_\_ **Jentri Park**  
 Production Clerk  
 Date **04/17/09**

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

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**  
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**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)

662 FSL 2001 FEL

SWSE Section 9 T9S R17E

5. Lease Serial No.

USA UTU-61052

6. If Indian, Allottee or Tribe Name.

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

PLEASANT VALLEY UNIT

8. Well Name and No.

PLSNT VLY R-9-9-17

9. API Well No.

4301333895

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 4/26/09 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 278'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5953'. 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, 157 jt's of 5.5 J-55, 15.5# csgn. Set @ 5947.84'/ KB. Cement with 240sks cement mixed @ 11.0 ppg & 3.50 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned All Spacers & 0 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 4:30 pm 5/3/09.

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

Don Bastian

Signature

*Don Bastian*

Title

Drilling Foreman

Date

05/04/2009

**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

Office

Date

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

(Instructions on page 2)

RECEIVED

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-61052

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
PLEASANT VALLEY UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
PLSNT VLY R-9-9-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333895

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 662 FSL 2001 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 9, T9S, R17E

STATE: UT

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

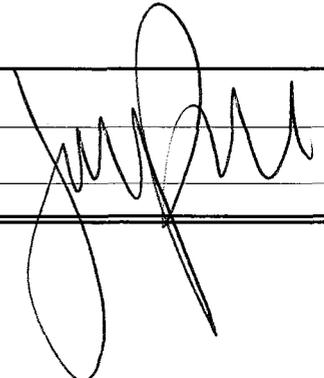
| TYPE OF SUBMISSION                                                                                                          | TYPE OF ACTION                                          |                                                           |                                                       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

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

The above subject well was completed on 05/20/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 07/02/2009

(This space for State use only)

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

**Daily Activity Report****Format For Sundry****PLSNT VLY R-9-9-17****3/1/2009 To 7/30/2009****5/11/2009 Day: 1****Completion**

Rigless on 5/11/2009 - (5-12-09) MIRU Perforators LLC WLT w/ mast & run CBL under pressure, Perforate CP5 @ 5770- 76'. RDMO WLT. 141 BWTR. - (5-12-09) 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 @ ' & cement top @ '. Perforate stage #1. CP5 sds @ 5770- 76' 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. 141 BWTR. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$10,461**5/13/2009 Day: 2****Completion**

Rigless on 5/13/2009 - 5/13/09: Frac 3 stages. Screened out 3rd stage. Flow well for cleanup. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 7' perf gun. Set plug @ 5290'. Perforate LODC sds @ 5223-30' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 4 spf for total of 28 shots. RU BJ Services. 1400 psi on well. Broke @ 3474 psi. ISIP @ 2959 psi, 1 min @ 2723 psi, 4 min @ 2610 psi. FG @ 1.0. Frac LODC sds w/ 30,898#'s of 20/40 sand in 308 bbls of Lightning 17 fluid. Screened out w/ 38 bbls left in flush. Left 15,000# sand in csg. Open well to pit for flowback @ approx. 3 bpm. Flowed well for 1 hr. Recovered 180 bbls. Sand cleaned up. 1134 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 5', 12' perf guns. Set plug @ 5680'. Perforate CP3 sds @ 5617-22' & CP1 sds @ 5504-16' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 4 spf for total of 68 shots. RU BJ Services. 1400 psi on well. Broke @ 2962 psi. ISIP @ 1808 psi, 1 min @ 1420 psi, 4 min @ 1410 psi. FG @ .76. Frac CP1/CP3 sds w/ 65,305#'s of 20/40 sand in 560 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2116 psi w/ ave rate of 24.8 BPM. ISIP 2237 psi, 5 min @ 2035 psi, 10 min @ 1893 psi, 15 min @ 1732 psi. FG @ .84. Leave pressure on well. 1006 BWTR. - RU BJ Services. 100 psi on well. Broke @ 3839 psi. ISIP @ 1570 psi, 1 min @ 1010 psi, 4 min @ 812 psi. FG @ .71. Frac CP5 sds w/ 13,398#'s of 20/40 sand in 305 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2406 psi w/ ave rate of 23.3 BPM. ISIP 2060 psi, 5 min @ 1814 psi, 10 min @ 1673 psi, 15 min @ 1590 psi. FG @ .80. Leave pressure on well. 446 BWTR. - RU The Perforators, llc WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug @ 6' perf gun. Set plug @ 4920'. Perforate B.5 sds @ 4834-40' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. 1350 psi on well. Perfs would not break. Tagged sand @ 4760'. Dump acid @ 4760'. RU BJ Services. 1810 psi on well. Perfs would not break. Open well to pit for flowback @ approx. 3 bpm. Flow well for 2 hrs. Recovered 250 bbls. SWIFN. 884 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$20,431**5/15/2009 Day: 3****Completion**

Nabors #809 on 5/15/2009 - 14 May 09 - Could not break down B.5 perfs. Tag @ 4645' 189' above B.5 perfs w/ acid bailer. RD BJ. RU Nabors 809. RIH w/ 2-7/8" tbg. Tag @ 4505'. SWIFN. 884 BWTR. - 0 psi on well. RU pump & swivel. RIH tag sand @ 4505'. Clean out 415' of sand to plug # 3 @ 4920'. TOO H & stand back tbg. ND rig BOP's. NU frac BOP's. - 0 psi on

well. RU pump & swivel. RIH tag sand @ 4505'. Clean out 415' of sand to plug # 3 @ 4920'. TOOH & stand back tbg. ND rig BOP's. NU frac BOP's. - RU BJ. Attempt to pump into Stage #4 B.5 sands. Could not breakdown. RIH w/ acid dump bailer. Tag sand high @ 4645'. Stage #4 (4834-4840) & Stage #5 (4654-4662) covered. RD BJ & Perforators WLT. MIRU Nabors 809. Unload 2-7/8" tbg. ND Frac BOP's. NU rig BOP's. Prep & talley 2-7/8" tubing. PU & RIH w/ NC & 143 jts 2-7/8" tbg. Tag fill @ 4505'. RU power swivel. RU pump and lines. POOH w/ 2 jts 2-7/8" EOT @ 4427'. SWIFN. 884 BWTR - RU BJ. Attempt to pump into Stage #4 B.5 sands. Could not breakdown. RIH w/ acid dump bailer. Tag sand high @ 4645'. Stage #4 (4834-4840) & Stage #5 (4654-4662) covered. RD BJ & Perforators WLT. MIRU Nabors 809. Unload 2-7/8" tbg. ND Frac BOP's. NU rig BOP's. Prep & talley 2-7/8" tubing. PU & RIH w/ NC & 143 jts 2-7/8" tbg. Tag fill @ 4505'. RU power swivel. RU pump and lines. POOH w/ 2 jts 2-7/8" EOT @ 4427'. SWIFN. 884 BWTR - RU BJ frac equipment. Stage #4 B.5 sds.. RU Perforators WLT. Open BOP's @ 1:27 pm. 0 psi on well. Pressure up on B.5 sds. Formation broke @ 2980 psi. Bullhead 4 bbls 28% HCl ahead of Technihib. Frac B.5 sds w/ 15,584 #'s 20/40 sand. ISDP = 1910 psi. FG = .83 psi/ft. 5 min shut-in = 1727 psi. 10 min shut-in = 1674 psi. 15 min shut-in = psi. Turn well over to Perforators WLT to set plug and shoot stage #5. 1188 BWTR. - Stage #6 GB4 sd.. RU Perforators WLT. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 6' perf gun. Set plug @ 4150'. Perforate GB4 sds @ 4094-4100' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. Open BOP's @ 4:00 pm. 1430 psi on well. Pressure up on GB4 sds. Formation broke @ 2256 psi. Shut down immediately after break. ISIP = 1609 psi. Initial FG = .83. 1 min shut-in = 1413 psi. 4 min shut-in = skipped (pressure below open pressure). Frac GB4 sds w/ 16,695 #'s 20/40 sand. ISDP = 1920 psi. FG = .91 psi/ft. 5 min shut-in = 1780 psi. 10 min shut-in = 1750 psi. 15 min shut-in = 1725 psi. Flowback well immediately for 4 hours @ 3 BPM. Recovered ~ 720 bbls. Well was dead. 797 BWTR. - Stage #6 GB4 sd.. RU Perforators WLT. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 6' perf gun. Set plug @ 4150'. Perforate GB4 sds @ 4094-4100' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 24 shots. RU BJ Services. Open BOP's @ 4:00 pm. 1430 psi on well. Pressure up on GB4 sds. Formation broke @ 2256 psi. Shut down immediately after break. ISIP = 1609 psi. Initial FG = .83. 1 min shut-in = 1413 psi. 4 min shut-in = skipped (pressure below open pressure). Frac GB4 sds w/ 16,695 #'s 20/40 sand. ISDP = 1920 psi. FG = .91 psi/ft. 5 min shut-in = 1780 psi. 10 min shut-in = 1750 psi. 15 min shut-in = 1725 psi. Flowback well immediately for 4 hours @ 3 BPM. Recovered ~ 720 bbls. Well was dead. 797 BWTR. - Stage #5 D2 sd.. RU Perforators WLT. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' perf gun. Set plug @ 4730'. Perforate D2 sds @ 4654-4662' w/ 3-1/8" Slick Guns (19 gram, .49" EH, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. Open BOP's @ 2:40 am. 1360 psi on well. Pressure up on D2 sds. Formation broke @ 1736 psi. Shut down immediately after break. ISIP = 1511 psi. Initial FG = .76. 1 min shut-in = 1405 psi. 4 min shut-in = skipped (below open pressure). Frac D2 sds w/ 21,786 #'s 20/40 sand (3000#'s shy b/c yesterdays hopper dump). Spot 12 bbls of 15% HCl during flush for stage #6. ISDP = 1819 psi. FG = .83 psi/ft. 5 min shut-in = 1700 psi. 10 min shut-in = 1652 psi. 15 min shut-in = 1618 psi. Turn well over to Perforators WLT to set plug and shoot stage #6. 1517 BWTR. - RU BJ frac equipment. Stage #4 B.5 sd.. RU Perforators WLT. Open BOP's @ 1:27 pm. 0 psi on well. Pressure up on B.5 sds. Formation broke @ 2980 psi. Bullhead 4 bbls 28% HCl ahead of Technihib. Frac B.5 sds w/ 15,584 #'s 20/40 sand. ISDP = 1910 psi. FG = .83 psi/ft. 5 min shut-in = 1727 psi. 10 min shut-in = 1674 psi. 15 min shut-in = psi. Turn well over to Perforators WLT to set plug and shoot stage #5. 1188 BWTR. - Stage #5 D2 sd.. RU Perforators WLT. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' perf gun. Set plug @ 4730'. Perforate D2 sds @ 4654-4662' w/ 3-1/8" Slick Guns (19 gram, .49" EH, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. Open BOP's @ 2:40 am. 1360 psi on well. Pressure up on D2 sds. Formation broke @ 1736 psi. Shut down immediately after break. ISIP = 1511 psi. Initial FG = .76. 1 min shut-in = 1405 psi. 4 min shut-in = skipped (below open pressure). Frac D2 sds w/ 21,786 #'s 20/40 sand (3000#'s shy b/c yesterdays hopper dump). Spot 12 bbls of 15% HCl during flush for stage #6. ISDP = 1819 psi. FG = .83 psi/ft. 5 min shut-in = 1700 psi. 10 min shut-in = 1652 psi. 15 min shut-in = 1618 psi. Turn well over to Perforators WLT to set plug and shoot stage #6. 1517 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$27,031**5/19/2009 Day: 5****Completion**

Nabors #809 on 5/19/2009 - 18 may 09 - Drill out 5 CFTP's. Lost 60 bbls water while drilling out today. 857 BWTR. - Check pressure pressure on well. 50 psi on csg. Bleed well down. ND frac BOP's & frac head. NU tbg head and rig BOP's. PU & MU 4-3/4" bit and bit sub. RIH w/ 128 jts 2-7/8" J55 6.5# EUE 8rd. Tag fill @ 4000'. RU swivel. Clean out sand to plug #1 @ 4150'. Drill plug in 12 min. Cont TIH and tag plug #2 @ 4730'. Drill plug in 20 min. Cont TIH. Tag fill @ 4900'. Clean out sand to plug #3 @ 4920'. Drill plug in 20 min. Cont TIH. Tag fill @ 5243'. Clean out sand to plug #4 @ 5290'. Drill plug in 20 min. Cont TIH. Tag plug #5 @ 5680'. Drill plug out in 40 min. Cont. TIH. Tag fill @ 5836'. Circ well clean. RD swivel. POOH w/ 10 jts. EOT @ 5524'. Lost 60 bbls water while drilling out today. 857 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$160,462**5/20/2009 Day: 6****Completion**

Nabors #809 on 5/20/2009 - 20 may 09 - Clean out to PBSD. Make 12 swab runs. IFL @ surface. FFL @ 1200'. Recovered ~ 120 bbls. POOH LD bit. TIH w/ production tbg. 737 BWTR. - Check pressure on well. 0 psi on csg and tbg. Hole is full. RIH w/ 10 jts. Clean out sand to PBSD @ 5909'. Circulate well clean. POOH w/ 5 jts. EOT @ 5774'. RU swab equipment. Start swabbing @ 10 AM. SFL @ surface. Made 12 swab runs. Swab back ~ 120 bbls of fluid, no oil or sand. FFL @ 1200'. RIH w/ 5 jts. Tag PBSD @ 5909'. Circulate well clean. LD 3 jts. POOH and standback 185 jts. LD bit and bit sub. PU & MU 2-7/8" NC, 1 jts, SN, 1 jts, 5-1/2" TAC & 183 jts. EOT @ 5814'.

**Daily Cost:** \$0**Cumulative Cost:** \$165,482**5/28/2009 Day: 7****Completion**

Nabors #809 on 5/28/2009 - 20 May 09 - PWOP on 20 May 09 @ 1:30 pm w/ 160" SL @ 5 SPM-----FINAL REPORT----- - 0 psi on tubing. 0 psi on casing. ND BOP's set TAC w/ 18,000 #'s tension. NU B-1 flange & flow T. Flush tbg w/ 60 bbls of water. X-over to rod equipment. PU & test pump. RIH w/ 21K shear coupling, 4 x 1-1/2" weight bars, 225 8 per guided rods, 8', 6' & 2' 7/8" ponies to space out. PU 1-1/2" x 30' polish rod. RU horses head. Stroke test pump w/ unit to 800 psi. Test good. RDMO Nabors 809. 737 BWTR. - PWOP on 20 May 09 @ 1:30 pm w/ 160" SL @ 5 SPM-----FINAL REPORT----- **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$206,810**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU-61502

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

6. If Indian, Allottee or Tribe Name  
NA

7. Unit or CA Agreement Name and No.  
FEDERAL

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.  
PLEASANT VALLEY R-9-9-17

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

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

9. AFI Well No.  
43-013-33895

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

10. Field and Pool or Exploratory  
MONUMENT BUTTE

At surface 662' FSL & 2001' FEL (SW/SE) SEC. 9, T9S, R17E  
  
 At top prod. interval reported below BHL: 1390' FSL & 2555' FEL (NW/SW)

11. Sec., T., R., M., on Block and Survey or Area  
SEC. 9, T9S, R17E

12. County or Parish  
DUCHESNE

13. State  
UT

At total depth 5953' **1504 fsl 2140 fine**

14. Date Spudded  
04/09/2009

15. Date T.D. Reached  
05/02/2009

16. Date Completed  
05/20/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5251' GL 5263' KB

18. Total Depth: MD 5953'  
TVD 5841'

19. Plug Back T.D.: MD 5909'  
TVD 5794'

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

| Hole Size | Size/Grade  | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8" J-55 | 24#         |          | 310'        |                      | 160 CLASS G                  |                   |             |               |
| 7-7/8"    | 5-1/2" J-55 | 15.5#       |          | 5947'       |                      | 240 PRIMLITE                 |                   | 240'        |               |
|           |             |             |          |             |                      | 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@ 5814'     | TA @ 5750'        |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top | Bottom | Perforated Interval     | Size | No. Holes | Perf. Status |
|----------------|-----|--------|-------------------------|------|-----------|--------------|
| A) GREEN RIVER |     |        | (CP5) 5770-76'          | .49" | 4         | 24           |
| B) GREEN RIVER |     |        | (CP1) & (CP3) see below | .49" | 4         | 68           |
| C) GREEN RIVER |     |        | (LODC) 5223-30'         | .49" | 4         | 24           |
| D) GREEN RIVER |     |        | (B.5) 4834-4840'        | .49" | 4         | 24           |

26. Perforation Record **4094**

| Depth Interval | Amount and Type of Material                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------|
| 5770-5776'     | Frac CP5 sds w/ 13,398#'s of 20/40 sand in 305 bbls of Lightning 17 fluid.                                         |
| 5504-5622'     | Frac CP1 & CP3 sds w/ 65,305#'s of 20/40 sand in 560 bbls of Lightning 17 fluid.                                   |
| 5223-5230'     | Frac LODC sds w/ 30,898#'s of 20/40 sand in 308 bbls of Lightning 17 fluid. Screened out w/ 38 bbls left in flush. |
| 4834-4840'     | Frac B.5 sds w/ 15,584 #'s 20/40 sand.                                                                             |

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

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method                   |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------------------------|
| 05/20/09            | 06/10/09             | 24           | →               | 18      | 17      | 31        |                       |             | CDI 2-1/2"x1-3/4"x16'x20' RHAC pump |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status | PRODUCING                           |
|                     |                      |              | →               |         |         |           |                       |             |                                     |

28a. Production - Interval B

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

**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<br>→ | 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<br>→     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | 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<br>GARDEN GULCH 1       | 3588'<br>3758' |
|           |     |        |                              | GARDEN GULCH 2<br>POINT 3                | 3897'<br>4158' |
|           |     |        |                              | X MRKR<br>Y MRKR                         | 4403'<br>4439' |
|           |     |        |                              | DOUGALS CREEK MRK<br>BI CARBONATE MRK    | 4569'<br>4803' |
|           |     |        |                              | B LIMESTON MRK<br>CASTLE PEAK            | 4926'<br>5448' |
|           |     |        |                              | BASAL CARBONATE<br>TOTAL DEPTH (LOGGERS) | 5870'<br>5973' |

32. Additional remarks (include plugging procedure):

STAGE 2: Perforate CP3 sds @ 5617-22' & CP1 sds @ 5504-16' w/ 3 1/8" slick gun (.49" EH, 19 gram, 120°) w/ 4 spf for total of 68 shots.  
 STAGE 3: Perforate LODC sds @ 5170-5180' & 5142-5146' & 5108-5114' w/ 3-1/8" Slick Guns (19 gram, .40"EH, 120°) w/ 4 spf for total of 80 shots.  
 STAGE 5: Perforate D2 sds @ 4654-4662' w/ 3-1/8" Slick Guns (19 gram, .49" EH, 120°) w/ 4 spf for total of 32 shots. Frac D2 sds w/ 21,786 #'s 20/40 sand (3000#'s shy b/c yesterdays hopper dump).  
 STAGE 6: Perforate GB4 sds @ 4094-4100' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 24 shots. Frac GB4 sds w/ 16,695 #'s 20/40 sand.

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 06/23/2009

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.

# NEWFIELD



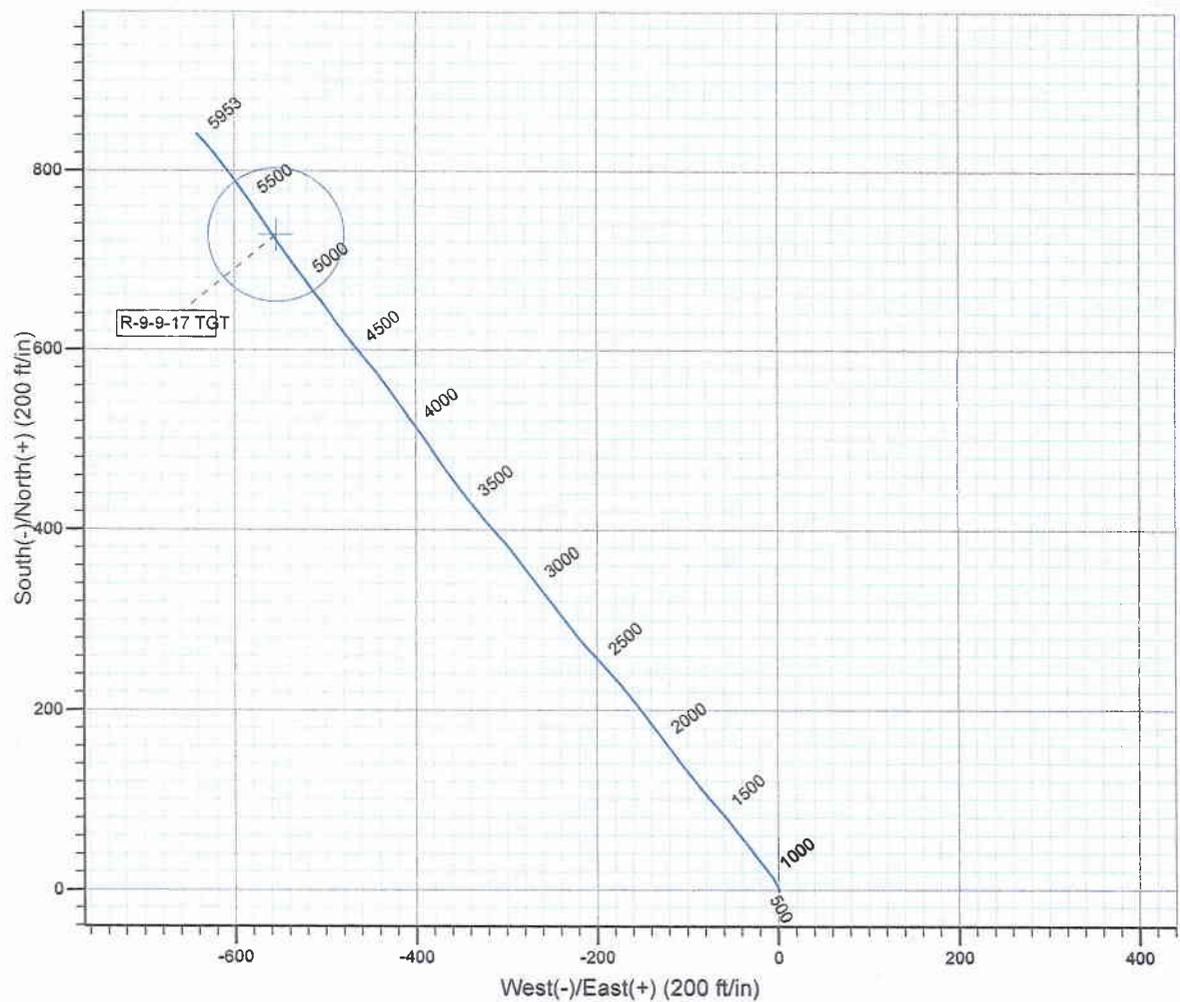
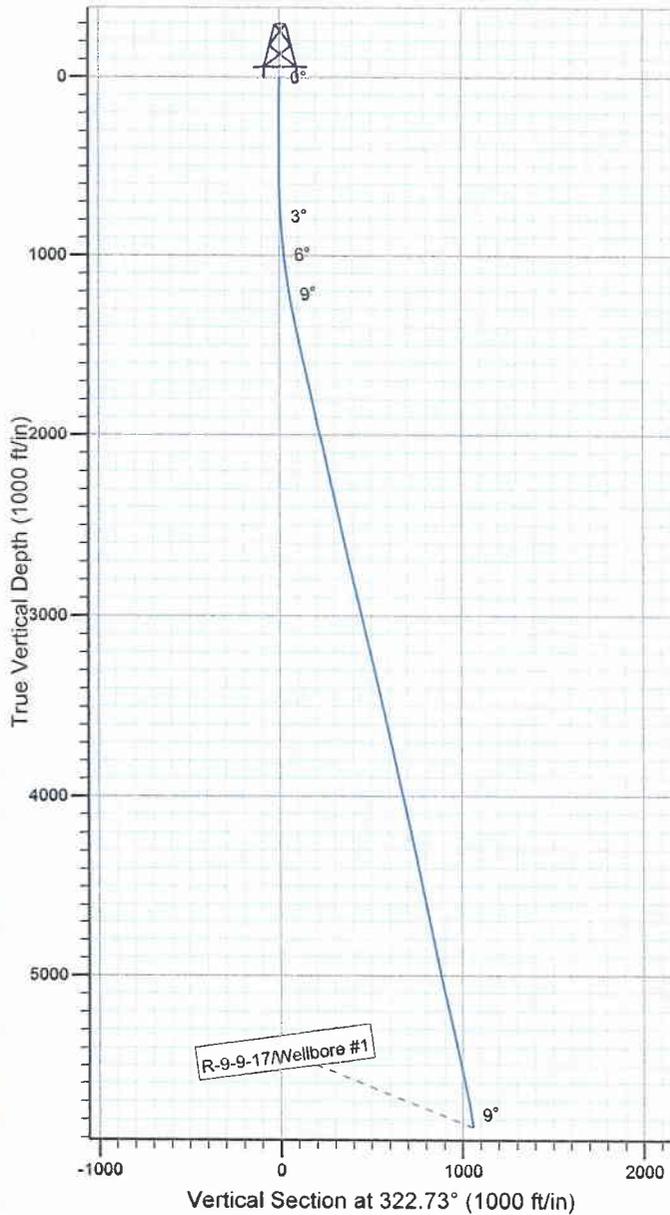
Project: USGS Myton SW (UT)  
Site: SECTION 9  
Well: R-9-9-17  
Wellbore: Wellbore #1  
SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
Magnetic North: 11.55°

Magnetic Field  
Strength: 52519.6nT  
Dip Angle: 65.86°  
Date: 2009/04/17  
Model: IGRF200510



Design: Wellbore #1 (R-9-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:29, May 04 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 9**

**R-9-9-17**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**04 May, 2009**

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



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 9  
**Well:** R-9-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well R-9-9-17  
**TVD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**MD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

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

|                              |                             |                     |                 |                          |                  |
|------------------------------|-----------------------------|---------------------|-----------------|--------------------------|------------------|
| <b>Site</b>                  | SECTION 9, SEC 9, T9S, R17E |                     |                 | <b>Latitude:</b>         | 40° 2' 43.754 N  |
| <b>Site Position:</b>        |                             | <b>Northing:</b>    | 7,188,759.15 ft | <b>Longitude:</b>        | 110° 0' 41.923 W |
| <b>From:</b>                 | Lat/Long                    | <b>Easting:</b>     | 2,057,063.19 ft | <b>Grid Convergence:</b> | 0.95 °           |
| <b>Position Uncertainty:</b> | 0.0 ft                      | <b>Slot Radius:</b> | "               |                          |                  |

|                             |          |        |                            |                  |                      |                  |
|-----------------------------|----------|--------|----------------------------|------------------|----------------------|------------------|
| <b>Well</b>                 | R-9-9-17 |        |                            | <b>Latitude:</b> | 40° 2' 24.120 N      |                  |
| <b>Well Position</b>        | +N/-S    | 0.0 ft | <b>Northing:</b>           | 7,186,783.60 ft  | <b>Longitude:</b>    | 110° 0' 33.560 W |
|                             | +E/-W    | 0.0 ft | <b>Easting:</b>            | 2,057,746.57 ft  | <b>Ground Level:</b> | 5,251.0 ft       |
| <b>Position Uncertainty</b> |          | 0.0 ft | <b>Wellhead Elevation:</b> | 5,263.0 ft       |                      |                  |

|                  |                   |                    |                        |                      |       |                            |        |
|------------------|-------------------|--------------------|------------------------|----------------------|-------|----------------------------|--------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        | <b>Dip Angle (°)</b> | 65.86 | <b>Field Strength (nT)</b> | 52,520 |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> |                      |       |                            |        |
|                  | IGRF200510        | 2009/04/17         | 11.55                  |                      |       |                            |        |

|                          |             |                              |            |                      |                      |
|--------------------------|-------------|------------------------------|------------|----------------------|----------------------|
| <b>Design</b>            | Wellbore #1 |                              |            | <b>Tie On Depth:</b> | 0.0                  |
| <b>Audit Notes:</b>      |             | <b>Phase:</b>                | ACTUAL     |                      |                      |
| <b>Version:</b>          | 1.0         | <b>Depth From (TVD) (ft)</b> | +N/-S (ft) | +E/-W (ft)           | <b>Direction (°)</b> |
| <b>Vertical Section:</b> |             | 0.0                          | 0.0        | 0.0                  | 322.73               |

|                       |                |                          |                  |                    |
|-----------------------|----------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b>    | 2009/05/04               |                  |                    |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 386.0                 | 5,953.0        | 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                |
| 386.0               | 0.44            | 162.06      | 386.0               | -1.4       | 0.5        | -1.4                  | 0.11                  | 0.11                 | 0.00                |
| 417.0               | 0.25            | 150.77      | 417.0               | -1.6       | 0.5        | -1.6                  | 0.65                  | -0.61                | -36.42              |
| 447.0               | 0.35            | 173.91      | 447.0               | -1.7       | 0.6        | -1.7                  | 0.52                  | 0.33                 | 77.13               |
| 478.0               | 0.22            | 138.66      | 478.0               | -1.9       | 0.6        | -1.9                  | 0.69                  | -0.42                | -113.71             |
| 508.0               | 0.24            | 41.94       | 508.0               | -1.9       | 0.7        | -1.9                  | 1.15                  | 0.07                 | -322.40             |
| 539.0               | 0.59            | 354.00      | 539.0               | -1.7       | 0.7        | -1.8                  | 1.50                  | 1.13                 | -154.65             |
| 570.0               | 1.32            | 356.65      | 570.0               | -1.1       | 0.7        | -1.3                  | 2.36                  | 2.35                 | 8.55                |
| 600.0               | 1.69            | 348.72      | 600.0               | -0.4       | 0.6        | -0.6                  | 1.41                  | 1.23                 | -26.43              |
| 631.0               | 1.74            | 349.45      | 631.0               | 0.5        | 0.4        | 0.2                   | 0.18                  | 0.16                 | 2.35                |
| 661.0               | 2.04            | 343.60      | 660.9               | 1.5        | 0.2        | 1.1                   | 1.19                  | 1.00                 | -19.50              |
| 692.0               | 2.20            | 342.50      | 691.9               | 2.6        | -0.2       | 2.2                   | 0.53                  | 0.52                 | -3.55               |
| 723.0               | 2.46            | 341.03      | 722.9               | 3.8        | -0.6       | 3.4                   | 0.86                  | 0.84                 | -4.74               |



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 9  
**Well:** R-9-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well R-9-9-17  
**TVD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**MD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 753.0               | 2.72            | 332.15      | 752.9               | 5.0        | -1.1       | 4.7                   | 1.59                  | 0.87                 | -29.60              |
| 784.0               | 3.43            | 328.77      | 783.8               | 6.5        | -1.9       | 6.3                   | 2.36                  | 2.29                 | -10.90              |
| 815.0               | 3.80            | 329.63      | 814.8               | 8.2        | -2.9       | 8.3                   | 1.21                  | 1.19                 | 2.77                |
| 845.0               | 4.46            | 329.63      | 844.7               | 10.0       | -4.0       | 10.4                  | 2.20                  | 2.20                 | 0.00                |
| 876.0               | 4.66            | 329.78      | 875.6               | 12.2       | -5.3       | 12.9                  | 0.65                  | 0.65                 | 0.48                |
| 907.0               | 5.03            | 327.56      | 906.5               | 14.4       | -6.6       | 15.5                  | 1.34                  | 1.19                 | -7.16               |
| 938.0               | 5.49            | 323.47      | 937.3               | 16.7       | -8.2       | 18.3                  | 1.91                  | 1.48                 | -13.19              |
| 970.0               | 5.71            | 321.10      | 969.2               | 19.2       | -10.1      | 21.4                  | 1.00                  | 0.69                 | -7.41               |
| 1,002.0             | 6.31            | 321.65      | 1,001.0             | 21.8       | -12.2      | 24.8                  | 1.88                  | 1.88                 | 1.72                |
| 1,034.0             | 6.68            | 320.97      | 1,032.8             | 24.6       | -14.5      | 28.4                  | 1.18                  | 1.16                 | -2.13               |
| 1,065.0             | 7.36            | 320.71      | 1,063.6             | 27.6       | -16.9      | 32.2                  | 2.20                  | 2.19                 | -0.84               |
| 1,097.0             | 7.89            | 323.01      | 1,095.3             | 30.9       | -19.5      | 36.4                  | 1.91                  | 1.66                 | 7.19                |
| 1,129.0             | 8.33            | 323.98      | 1,127.0             | 34.5       | -22.2      | 40.9                  | 1.44                  | 1.38                 | 3.03                |
| 1,160.0             | 8.46            | 323.76      | 1,157.6             | 38.2       | -24.9      | 45.5                  | 0.43                  | 0.42                 | -0.71               |
| 1,192.0             | 8.77            | 324.64      | 1,189.3             | 42.1       | -27.7      | 50.2                  | 1.05                  | 0.97                 | 2.75                |
| 1,224.0             | 9.16            | 323.21      | 1,220.9             | 46.1       | -30.6      | 55.2                  | 1.40                  | 1.22                 | -4.47               |
| 1,255.0             | 9.73            | 322.53      | 1,251.5             | 50.2       | -33.7      | 60.3                  | 1.87                  | 1.84                 | -2.19               |
| 1,287.0             | 10.52           | 321.58      | 1,283.0             | 54.6       | -37.1      | 65.9                  | 2.52                  | 2.47                 | -2.97               |
| 1,319.0             | 11.12           | 321.65      | 1,314.4             | 59.3       | -40.9      | 72.0                  | 1.88                  | 1.88                 | 0.22                |
| 1,350.0             | 11.67           | 321.83      | 1,344.8             | 64.1       | -44.7      | 78.1                  | 1.78                  | 1.77                 | 0.58                |
| 1,382.0             | 12.08           | 321.61      | 1,376.1             | 69.3       | -48.7      | 84.7                  | 1.29                  | 1.28                 | -0.69               |
| 1,414.0             | 12.61           | 321.54      | 1,407.4             | 74.7       | -53.0      | 91.5                  | 1.66                  | 1.66                 | -0.22               |
| 1,445.0             | 12.79           | 320.57      | 1,437.6             | 80.0       | -57.3      | 98.3                  | 0.90                  | 0.58                 | -3.13               |
| 1,540.0             | 12.48           | 317.30      | 1,530.3             | 95.6       | -70.9      | 119.0                 | 0.82                  | -0.33                | -3.44               |
| 1,635.0             | 12.35           | 321.61      | 1,623.1             | 111.1      | -84.2      | 139.4                 | 0.98                  | -0.14                | 4.54                |
| 1,731.0             | 12.16           | 322.18      | 1,716.9             | 127.2      | -96.8      | 159.8                 | 0.23                  | -0.20                | 0.59                |
| 1,826.0             | 12.46           | 322.92      | 1,809.7             | 143.2      | -109.1     | 180.0                 | 0.36                  | 0.32                 | 0.78                |
| 1,921.0             | 12.47           | 324.79      | 1,902.5             | 159.8      | -121.2     | 200.5                 | 0.42                  | 0.01                 | 1.97                |
| 2,016.0             | 12.70           | 323.67      | 1,995.2             | 176.6      | -133.3     | 221.2                 | 0.35                  | 0.24                 | -1.18               |
| 2,111.0             | 12.44           | 323.61      | 2,087.9             | 193.2      | -145.5     | 241.9                 | 0.27                  | -0.27                | -0.06               |
| 2,206.0             | 13.21           | 320.57      | 2,180.6             | 209.9      | -158.5     | 263.0                 | 1.08                  | 0.81                 | -3.20               |
| 2,301.0             | 12.76           | 320.06      | 2,273.1             | 226.3      | -172.1     | 284.3                 | 0.49                  | -0.47                | -0.54               |
| 2,396.0             | 12.15           | 318.40      | 2,365.9             | 241.8      | -185.5     | 304.8                 | 0.74                  | -0.64                | -1.75               |
| 2,488.0             | 12.57           | 318.02      | 2,455.8             | 256.5      | -198.6     | 324.4                 | 0.47                  | 0.46                 | -0.41               |
| 2,583.0             | 12.24           | 317.89      | 2,548.5             | 271.6      | -212.3     | 344.7                 | 0.35                  | -0.35                | -0.14               |
| 2,678.0             | 13.40           | 322.75      | 2,641.2             | 287.9      | -225.7     | 365.8                 | 1.67                  | 1.22                 | 5.12                |
| 2,774.0             | 13.12           | 321.61      | 2,734.6             | 305.3      | -239.2     | 387.8                 | 0.40                  | -0.29                | -1.19               |
| 2,869.0             | 13.01           | 321.89      | 2,827.2             | 322.1      | -252.5     | 409.3                 | 0.13                  | -0.12                | 0.29                |
| 2,964.0             | 13.12           | 322.60      | 2,919.7             | 339.1      | -265.6     | 430.7                 | 0.20                  | 0.12                 | 0.75                |
| 3,059.0             | 13.91           | 322.62      | 3,012.1             | 356.8      | -279.1     | 452.9                 | 0.83                  | 0.83                 | 0.02                |
| 3,154.0             | 14.02           | 323.25      | 3,104.3             | 375.1      | -292.9     | 475.9                 | 0.20                  | 0.12                 | 0.66                |
| 3,249.0             | 13.24           | 317.50      | 3,196.6             | 392.3      | -307.2     | 498.2                 | 1.64                  | -0.82                | -6.05               |
| 3,344.0             | 13.47           | 320.13      | 3,289.0             | 408.8      | -321.6     | 520.1                 | 0.68                  | 0.24                 | 2.77                |
| 3,439.0             | 12.81           | 319.96      | 3,381.5             | 425.4      | -335.5     | 541.7                 | 0.70                  | -0.69                | -0.18               |
| 3,534.0             | 12.19           | 323.12      | 3,474.3             | 441.5      | -348.3     | 562.2                 | 0.97                  | -0.65                | 3.33                |
| 3,628.0             | 12.22           | 323.80      | 3,566.1             | 457.4      | -360.1     | 582.1                 | 0.16                  | 0.03                 | 0.72                |
| 3,723.0             | 12.00           | 324.11      | 3,659.0             | 473.5      | -371.8     | 602.0                 | 0.24                  | -0.23                | 0.33                |
| 3,819.0             | 12.83           | 326.35      | 3,752.8             | 490.5      | -383.6     | 622.6                 | 1.00                  | 0.86                 | 2.33                |
| 3,914.0             | 12.33           | 325.19      | 3,845.5             | 507.6      | -395.2     | 643.3                 | 0.59                  | -0.53                | -1.22               |
| 4,008.0             | 11.88           | 324.17      | 3,937.4             | 523.7      | -406.6     | 663.0                 | 0.53                  | -0.48                | -1.09               |
| 4,103.0             | 12.81           | 324.84      | 4,030.2             | 540.2      | -418.4     | 683.3                 | 0.99                  | 0.98                 | 0.71                |
| 4,198.0             | 12.46           | 323.69      | 4,122.9             | 557.1      | -430.6     | 704.1                 | 0.45                  | -0.37                | -1.21               |
| 4,293.0             | 12.06           | 321.96      | 4,215.8             | 573.2      | -442.7     | 724.2                 | 0.57                  | -0.42                | -1.82               |
| 4,388.0             | 11.65           | 320.68      | 4,308.7             | 588.4      | -454.9     | 743.7                 | 0.51                  | -0.43                | -1.35               |



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 9  
**Well:** R-9-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well R-9-9-17  
**TVD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**MD Reference:** R-9-9-17 @ 5263.0ft (RIG #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 4,483.0             | 11.44           | 320.91      | 4,401.8             | 603.1      | -467.0     | 762.7                 | 0.23                  | -0.22                | 0.24                |
| 4,578.0             | 10.66           | 322.62      | 4,495.0             | 617.4      | -478.2     | 780.9                 | 0.89                  | -0.82                | 1.80                |
| 4,673.0             | 11.16           | 324.84      | 4,588.3             | 631.9      | -488.9     | 798.9                 | 0.69                  | 0.53                 | 2.34                |
| 4,769.0             | 11.54           | 324.37      | 4,682.4             | 647.3      | -499.8     | 817.8                 | 0.41                  | 0.40                 | -0.49               |
| 4,864.0             | 11.51           | 322.73      | 4,775.5             | 662.6      | -511.1     | 836.8                 | 0.35                  | -0.03                | -1.73               |
| 4,959.0             | 11.49           | 324.59      | 4,868.6             | 677.8      | -522.3     | 855.7                 | 0.39                  | -0.02                | 1.96                |
| 5,054.0             | 11.65           | 324.07      | 4,961.7             | 693.3      | -533.4     | 874.8                 | 0.20                  | 0.17                 | -0.55               |
| 5,149.0             | 11.89           | 322.88      | 5,054.7             | 708.9      | -544.9     | 894.1                 | 0.36                  | 0.25                 | -1.25               |
| 5,244.0             | 13.05           | 325.74      | 5,147.5             | 725.6      | -556.9     | 914.6                 | 1.38                  | 1.22                 | 3.01                |
| 5,295.3             | 13.19           | 326.82      | 5,197.4             | 735.2      | -563.3     | 926.2                 | 0.56                  | 0.28                 | 2.11                |
| <b>R-9-9-17 TGT</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,339.0             | 13.32           | 327.73      | 5,240.0             | 743.7      | -568.8     | 936.2                 | 0.56                  | 0.29                 | 2.07                |
| 5,435.0             | 12.66           | 326.42      | 5,333.5             | 761.8      | -580.5     | 957.8                 | 0.75                  | -0.69                | -1.36               |
| 5,530.0             | 12.81           | 324.57      | 5,426.2             | 779.1      | -592.4     | 978.7                 | 0.46                  | 0.16                 | -1.95               |
| 5,625.0             | 12.37           | 323.87      | 5,518.9             | 795.9      | -604.5     | 999.4                 | 0.49                  | -0.46                | -0.74               |
| 5,720.0             | 11.67           | 321.78      | 5,611.8             | 811.6      | -616.4     | 1,019.2               | 0.87                  | -0.74                | -2.20               |
| 5,815.0             | 10.48           | 320.73      | 5,705.0             | 825.9      | -627.8     | 1,037.4               | 1.27                  | -1.25                | -1.11               |
| 5,893.0             | 8.59            | 317.61      | 5,781.9             | 835.7      | -636.2     | 1,050.3               | 2.51                  | -2.42                | -4.00               |
| 5,953.0             | 8.00            | 317.00      | 5,841.3             | 842.0      | -642.1     | 1,058.9               | 0.99                  | -0.98                | -1.02               |

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

H        HEADER    INFORMATION -----  
H        COMPANY :            NEWFIELD   EXPLORATION  
H        FIELD    :            USGS        Myton    SW        (UT)  
H        SITE     :            SECTION            9  
H        WELL     :            R-9-9-17  
H        WELLPATH Wellbore    #1  
H        DEPTHUNT ft  
H        SURVDATE    5/4/2009  
H        DECLINATIO CORR.  
H        =                    10.6 TO            GRIDH-----

H        WELL    INFORMATION  
H        WELL    EW        MAP        :        2057747  
H        WELL    NS        MAP        :        7186784  
H        DATUM   ELEVN     :        5263  
H        VSECT   ANGLE     :        322.73  
H        VSECT   NORTH    :        0  
H        VSECT   EAST     :        0

H-----  
H        SURVEY   TYPE            INFORMATION  
H                386 -                5953 SURVEY   #1        :        MWD  
H-----

| H  | SURVEY | LIST |        |         |       |        |       |      |
|----|--------|------|--------|---------|-------|--------|-------|------|
| MD | INC    | AZI  | TVD    | NS      | EW    | VS     | DLS   |      |
|    | 0      | 0    | 0      | 0       | 0     | 0      | 0     | 0    |
|    | 386    | 0.44 | 162.06 | 386     | -1.41 | 0.46   | -1.4  | 0.11 |
|    | 417    | 0.25 | 150.77 | 417     | -1.58 | 0.53   | -1.58 | 0.65 |
|    | 447    | 0.35 | 173.91 | 447     | -1.73 | 0.57   | -1.72 | 0.52 |
|    | 478    | 0.22 | 138.66 | 477.99  | -1.87 | 0.62   | -1.86 | 0.69 |
|    | 508    | 0.24 | 41.94  | 507.99  | -1.87 | 0.7    | -1.91 | 1.15 |
|    | 539    | 0.59 | 354    | 538.99  | -1.66 | 0.72   | -1.76 | 1.5  |
|    | 570    | 1.32 | 356.65 | 569.99  | -1.14 | 0.69   | -1.33 | 2.36 |
|    | 600    | 1.69 | 348.72 | 599.98  | -0.36 | 0.58   | -0.64 | 1.41 |
|    | 631    | 1.74 | 349.45 | 630.97  | 0.55  | 0.4    | 0.19  | 0.18 |
|    | 661    | 2.04 | 343.6  | 660.95  | 1.51  | 0.17   | 1.1   | 1.19 |
|    | 692    | 2.2  | 342.5  | 691.93  | 2.6   | -0.16  | 2.17  | 0.53 |
|    | 723    | 2.46 | 341.03 | 722.9   | 3.8   | -0.56  | 3.36  | 0.86 |
|    | 753    | 2.72 | 332.15 | 752.87  | 5.04  | -1.1   | 4.68  | 1.59 |
|    | 784    | 3.43 | 328.77 | 783.83  | 6.48  | -1.93  | 6.32  | 2.36 |
|    | 815    | 3.8  | 329.63 | 814.76  | 8.16  | -2.93  | 8.27  | 1.21 |
|    | 845    | 4.46 | 329.63 | 844.69  | 10.02 | -4.02  | 10.41 | 2.2  |
|    | 876    | 4.66 | 329.78 | 875.59  | 12.15 | -5.26  | 12.86 | 0.65 |
|    | 907    | 5.03 | 327.56 | 906.48  | 14.39 | -6.62  | 15.46 | 1.34 |
|    | 938    | 5.49 | 323.47 | 937.35  | 16.73 | -8.24  | 18.3  | 1.91 |
|    | 970    | 5.71 | 321.1  | 969.19  | 19.2  | -10.15 | 21.42 | 1    |
|    | 1002   | 6.31 | 321.65 | 1001.02 | 21.81 | -12.24 | 24.77 | 1.88 |
|    | 1034   | 6.68 | 320.97 | 1032.81 | 24.64 | -14.5  | 28.39 | 1.18 |
|    | 1065   | 7.36 | 320.71 | 1063.58 | 27.58 | -16.89 | 32.17 | 2.2  |

|      |       |        |         |        |         |        |      |
|------|-------|--------|---------|--------|---------|--------|------|
| 1097 | 7.89  | 323.01 | 1095.3  | 30.92  | -19.51  | 36.42  | 1.91 |
| 1129 | 8.33  | 323.98 | 1126.98 | 34.55  | -22.2   | 40.93  | 1.44 |
| 1160 | 8.46  | 323.76 | 1157.65 | 38.2   | -24.87  | 45.46  | 0.43 |
| 1192 | 8.77  | 324.64 | 1189.28 | 42.09  | -27.67  | 50.25  | 1.05 |
| 1224 | 9.16  | 323.21 | 1220.89 | 46.12  | -30.61  | 55.24  | 1.4  |
| 1255 | 9.73  | 322.53 | 1251.47 | 50.17  | -33.68  | 60.32  | 1.87 |
| 1287 | 10.52 | 321.58 | 1282.97 | 54.61  | -37.14  | 65.95  | 2.52 |
| 1319 | 11.12 | 321.65 | 1314.41 | 59.32  | -40.87  | 71.95  | 1.88 |
| 1350 | 11.67 | 321.83 | 1344.79 | 64.13  | -44.66  | 78.08  | 1.78 |
| 1382 | 12.08 | 321.61 | 1376.11 | 69.3   | -48.74  | 84.66  | 1.29 |
| 1414 | 12.61 | 321.54 | 1407.37 | 74.65  | -52.99  | 91.5   | 1.66 |
| 1445 | 12.79 | 320.57 | 1437.61 | 79.95  | -57.28  | 98.31  | 0.9  |
| 1540 | 12.48 | 317.3  | 1530.31 | 95.62  | -70.92  | 119.04 | 0.82 |
| 1635 | 12.35 | 321.61 | 1623.09 | 111.13 | -84.19  | 139.42 | 0.98 |
| 1731 | 12.16 | 322.18 | 1716.9  | 127.16 | -96.76  | 159.79 | 0.23 |
| 1826 | 12.46 | 322.92 | 1809.72 | 143.24 | -109.08 | 180.04 | 0.36 |
| 1921 | 12.47 | 324.79 | 1902.48 | 159.8  | -121.17 | 200.54 | 0.42 |
| 2016 | 12.7  | 323.67 | 1995.2  | 176.59 | -133.27 | 221.23 | 0.35 |
| 2111 | 12.44 | 323.61 | 2087.92 | 193.24 | -145.53 | 241.91 | 0.27 |
| 2206 | 13.21 | 320.57 | 2180.55 | 209.86 | -158.49 | 262.99 | 1.08 |
| 2301 | 12.76 | 320.06 | 2273.12 | 226.29 | -172.12 | 284.31 | 0.49 |
| 2396 | 12.15 | 318.4  | 2365.89 | 241.81 | -185.5  | 304.76 | 0.74 |
| 2488 | 12.57 | 318.02 | 2455.75 | 256.49 | -198.62 | 324.39 | 0.47 |
| 2583 | 12.24 | 317.89 | 2548.54 | 271.65 | -212.29 | 344.73 | 0.35 |
| 2678 | 13.4  | 322.75 | 2641.17 | 287.88 | -225.7  | 365.77 | 1.67 |
| 2774 | 13.12 | 321.61 | 2734.61 | 305.28 | -239.2  | 387.79 | 0.4  |
| 2869 | 13.01 | 321.89 | 2827.15 | 322.14 | -252.5  | 409.26 | 0.13 |
| 2964 | 13.12 | 322.6  | 2919.69 | 339.12 | -265.65 | 430.74 | 0.2  |
| 3059 | 13.91 | 322.62 | 3012.06 | 356.76 | -279.13 | 452.94 | 0.83 |
| 3154 | 14.02 | 323.25 | 3104.25 | 375.05 | -292.95 | 475.86 | 0.2  |
| 3249 | 13.24 | 317.5  | 3196.58 | 392.3  | -307.18 | 498.21 | 1.64 |
| 3344 | 13.47 | 320.13 | 3289.01 | 408.81 | -321.62 | 520.09 | 0.68 |
| 3439 | 12.81 | 319.96 | 3381.52 | 425.37 | -335.49 | 541.67 | 0.7  |
| 3534 | 12.19 | 323.12 | 3474.27 | 441.45 | -348.29 | 562.22 | 0.97 |
| 3628 | 12.22 | 323.8  | 3566.15 | 457.42 | -360.12 | 582.09 | 0.16 |
| 3723 | 12    | 324.11 | 3659.03 | 473.53 | -371.85 | 602.01 | 0.24 |
| 3819 | 12.83 | 326.35 | 3752.79 | 490.49 | -383.6  | 622.63 | 1    |
| 3914 | 12.33 | 325.19 | 3845.51 | 507.6  | -395.24 | 643.29 | 0.59 |
| 4008 | 11.88 | 324.17 | 3937.42 | 523.68 | -406.63 | 662.99 | 0.53 |
| 4103 | 12.81 | 324.84 | 4030.22 | 540.22 | -418.42 | 683.29 | 0.99 |
| 4198 | 12.46 | 323.69 | 4122.92 | 557.09 | -430.55 | 704.06 | 0.45 |
| 4293 | 12.06 | 321.96 | 4215.75 | 573.17 | -442.74 | 724.23 | 0.57 |
| 4388 | 11.65 | 320.68 | 4308.73 | 588.4  | -454.93 | 743.74 | 0.51 |
| 4483 | 11.44 | 320.91 | 4401.81 | 603.14 | -466.95 | 762.74 | 0.23 |
| 4578 | 10.66 | 322.62 | 4495.04 | 617.43 | -478.23 | 780.94 | 0.89 |
| 4673 | 11.16 | 324.84 | 4588.33 | 631.93 | -488.85 | 798.92 | 0.69 |
| 4769 | 11.54 | 324.37 | 4682.45 | 647.33 | -499.8  | 817.8  | 0.41 |

|      |       |        |         |        |         |         |      |
|------|-------|--------|---------|--------|---------|---------|------|
| 4864 | 11.51 | 322.73 | 4775.53 | 662.59 | -511.07 | 836.78  | 0.35 |
| 4959 | 11.49 | 324.59 | 4868.63 | 677.85 | -522.3  | 855.71  | 0.39 |
| 5054 | 11.65 | 324.07 | 4961.7  | 693.33 | -533.41 | 874.76  | 0.2  |
| 5149 | 11.89 | 322.88 | 5054.7  | 708.9  | -544.94 | 894.14  | 0.36 |
| 5244 | 13.05 | 325.74 | 5147.46 | 725.57 | -556.89 | 914.63  | 1.38 |
| 5339 | 13.32 | 327.73 | 5239.95 | 743.68 | -568.77 | 936.25  | 0.56 |
| 5435 | 12.66 | 326.42 | 5333.5  | 761.8  | -580.49 | 957.76  | 0.75 |
| 5530 | 12.81 | 324.57 | 5426.16 | 779.05 | -592.35 | 978.68  | 0.46 |
| 5625 | 12.37 | 323.87 | 5518.88 | 795.85 | -604.46 | 999.38  | 0.49 |
| 5720 | 11.67 | 321.78 | 5611.79 | 811.62 | -616.4  | 1019.16 | 0.87 |
| 5815 | 10.48 | 320.73 | 5705.02 | 825.86 | -627.82 | 1037.4  | 1.27 |
| 5893 | 8.59  | 317.61 | 5781.94 | 835.65 | -636.23 | 1050.29 | 2.51 |
| 5953 | 8     | 317    | 5841.31 | 842.02 | -642.1  | 1058.91 | 0.99 |