

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

FORM 3

AMENDED REPORT

|  |   |   |
|--|---|---|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |   | <b>1. WELL NAME and NUMBER</b><br>GMBU O-32-8-17  |
| <b>2. TYPE OF WORK</b><br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>                |   | <b>3. FIELD OR WILDCAT</b><br>MONUMENT BUTTE  |
| <b>4. TYPE OF WELL</b><br>Oil Well Coalbed Methane Well: NO  |   | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b><br>GMBU (GRRV)   |
| <b>6. NAME OF OPERATOR</b><br>NEWFIELD PRODUCTION COMPANY  |   | <b>7. OPERATOR PHONE</b><br>435 646-4825  |
| <b>8. ADDRESS OF OPERATOR</b><br>Rt 3 Box 3630 , Myton, UT, 84052  |   | <b>9. OPERATOR E-MAIL</b><br>mcrozier@newfield.com  |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>ML-22060  | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |   |
| <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>    |   | <b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>  |
| <b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>   |   | <b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>   |
| <b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>  |   | <b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>   |
| <b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b><br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |   | <b>19. SLANT</b><br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/> |

| 20. LOCATION OF WELL            | FOOTAGES         | QTR-QTR | SECTION | TOWNSHIP | RANGE  | MERIDIAN |
|---------------------------------|------------------|---------|---------|----------|--------|----------|
| LOCATION AT SURFACE             | 1923 FNL 555 FWL | SWNW    | 32      | 8.0 S    | 17.0 E | S        |
| Top of Uppermost Producing Zone | 2435 FNL 266 FWL | SWNW    | 32      | 8.0 S    | 17.0 E | S        |
| At Total Depth                  | 2595 FSL 100 FWL | NWSW    | 32      | 8.0 S    | 17.0 E | S        |

|  |   |  |
|--|---|--|
| <b>21. COUNTY</b><br>DUCHESNE  | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>100 | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>20  |
| <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>1270 | <b>26. PROPOSED DEPTH</b><br>MD: 6364 TVD: 6364         |  |
| <b>27. ELEVATION - GROUND LEVEL</b><br>5269  | <b>28. BOND NUMBER</b><br>B001834                       | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>437478 |

| Hole, Casing, and Cement Information |           |             |          |        |                |             |                            |       |       |        |
|--------------------------------------|-----------|-------------|----------|--------|----------------|-------------|----------------------------|-------|-------|--------|
| String                               | Hole Size | Casing Size | Length   | Weight | Grade & Thread | Max Mud Wt. | Cement                     | Sacks | Yield | Weight |
| SURF                                 | 12.25     | 8.625       | 0 - 300  | 24.0   | J-55 ST&C      | 8.3         | Class G                    | 138   | 1.17  | 15.8   |
| PROD                                 | 7.875     | 5.5         | 0 - 6364 | 15.5   | J-55 LT&C      | 8.3         | Premium Lite High Strength | 302   | 3.26  | 11.0   |
|                                      |           |             |          |        |                |             | 50/50 Poz                  | 363   | 1.24  | 14.3   |

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

|  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER         | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                 |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)               | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |

|                            |                              |                                    |
|----------------------------|------------------------------|------------------------------------|
| <b>NAME</b> Mandie Crozier | <b>TITLE</b> Regulatory Tech | <b>PHONE</b> 435 646-4825          |
| <b>SIGNATURE</b>           | <b>DATE</b> 03/24/2011       | <b>EMAIL</b> mcrozier@newfield.com |

|  |  |
|--|--|
| <b>API NUMBER ASSIGNED</b><br>43013506580000 | <b>APPROVAL</b><br><br>Permit Manager |
|--|--|

NEWFIELD PRODUCTION COMPANY  
 GMBU O-32-8-17  
 AT SURFACE: SW/NW SECTION 32, T8S, R17E  
 DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|                    |              |
|--------------------|--------------|
| Uinta              | 0' – 1590'   |
| Green River        | 1590'        |
| Wasatch            | 6260'        |
| <b>Proposed TD</b> | <b>6364'</b> |

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

|                             |               |
|-----------------------------|---------------|
| Green River Formation (Oil) | 1590' – 6260' |
|-----------------------------|---------------|

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

|  |   |
|--|---|
| Location & Sampled Interval                        | Date Sampled                                  |
| Flow Rate  | Temperature                                   |
| Hardness   | pH  |
| Water Classification (State of Utah)               | Dissolved Calcium (Ca) (mg/l)                 |
| Dissolved Iron (Fe) (ug/l)                         | Dissolved Sodium (Na) (mg/l)                  |
| Dissolved Magnesium (Mg) (mg/l)                    | Dissolved Carbonate (CO <sub>3</sub> ) (mg/l) |
| Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l) | Dissolved Chloride (Cl) (mg/l)                |
| Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)        | Dissolved Total Solids (TDS) (mg/l)           |

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU O-32-8-17**

| Size                     | Interval |        | Weight | Grade | Coupling | Design Factors |                |                  |
|--------------------------|----------|--------|--------|-------|----------|----------------|----------------|------------------|
|                          | Top      | Bottom |        |       |          | Burst          | Collapse       | Tension          |
| Surface casing<br>8-5/8" | 0'       | 300'   | 24.0   | J-55  | STC      | 2,950<br>17.53 | 1,370<br>14.35 | 244,000<br>33.89 |
| Prod casing<br>5-1/2"    | 0'       | 6,364  | 15.5   | J-55  | LTC      | 4,810<br>2.38  | 4,040<br>2.00  | 217,000<br>2.20  |

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

|  |              |
|--|--------------|
| Frac gradient at surface casing shoe = | 13.0 ppg     |
| Pore pressure at surface casing shoe = | 8.33 ppg     |
| Pore pressure at prod casing shoe =    | 8.33 ppg     |
| Gas gradient =                         | 0.115 psi/ft |

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU O-32-8-17**

| Job                 | Fill   | Description                      | Sacks           | OH Excess* | Weight (ppg) | Yield (ft <sup>3</sup> /sk) |
|---------------------|--------|----------------------------------|-----------------|------------|--------------|-----------------------------|
|                     |        |                                  | ft <sup>3</sup> |            |              |                             |
| Surface casing      | 300'   | Class G w/ 2% CaCl               | 138             | 30%        | 15.8         | 1.17                        |
|                     |        |                                  | 161             |            |              |                             |
| Prod casing<br>Lead | 4,364' | Prem Lite II w/ 10% gel + 3% KCl | 302             | 30%        | 11.0         | 3.26                        |
|                     |        |                                  | 983             |            |              |                             |
| Prod casing<br>Tail | 2,000' | 50/50 Poz w/ 2% gel + 3% KCl     | 363             | 30%        | 14.3         | 1.24                        |
|                     |        |                                  | 451             |            |              |                             |

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 300$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 300$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBDT to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

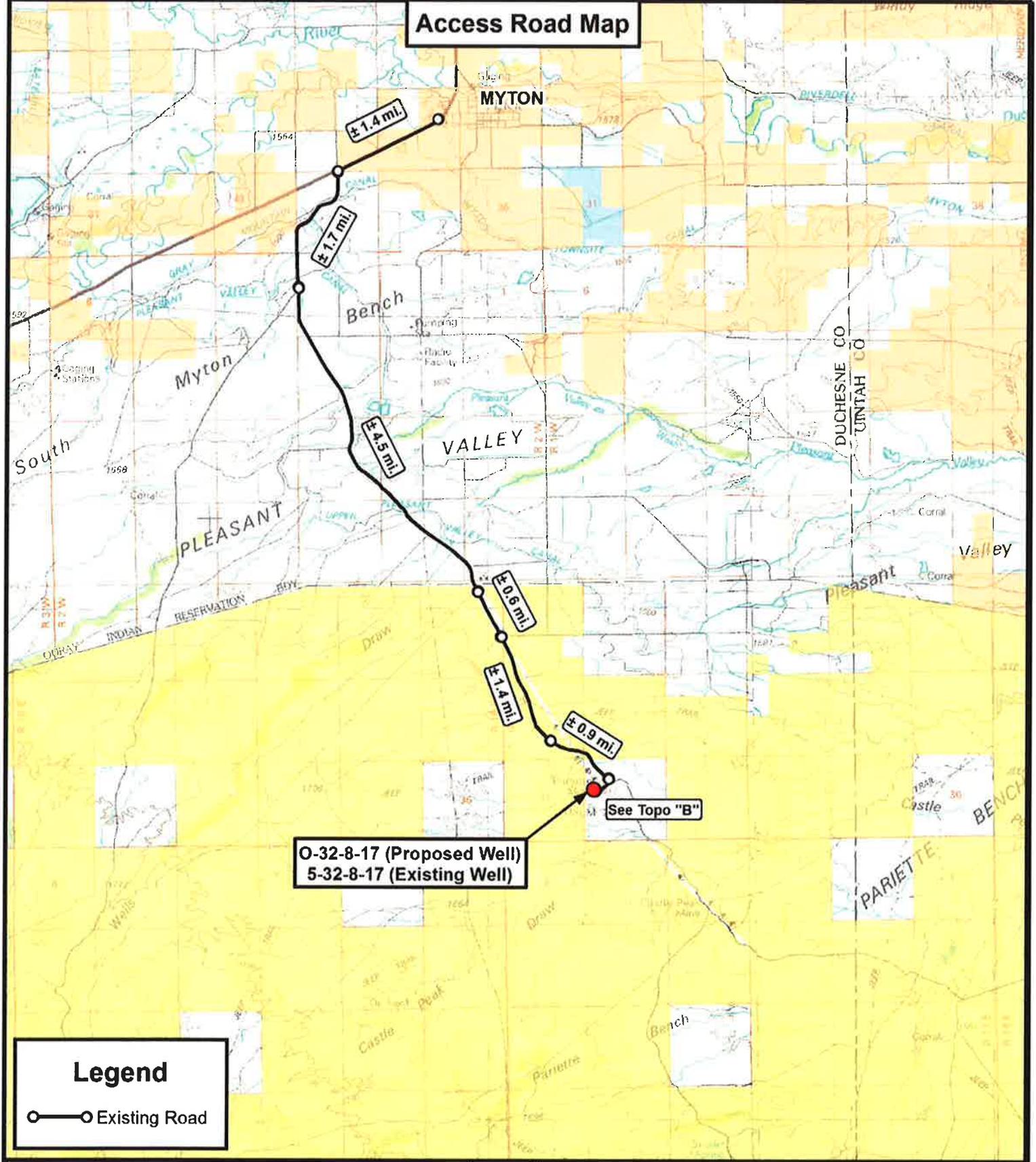
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.



**Access Road Map**



**O-32-8-17 (Proposed Well)**  
**5-32-8-17 (Existing Well)**

**Legend**

○—○ Existing Road

**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518

|                  |          |          |
|------------------|----------|----------|
| DRAWN BY: C.H.M. | REVISED: | VERSION: |
| DATE: 03-14-2011 |          | V1       |
| SCALE: 1:100,000 |          |          |



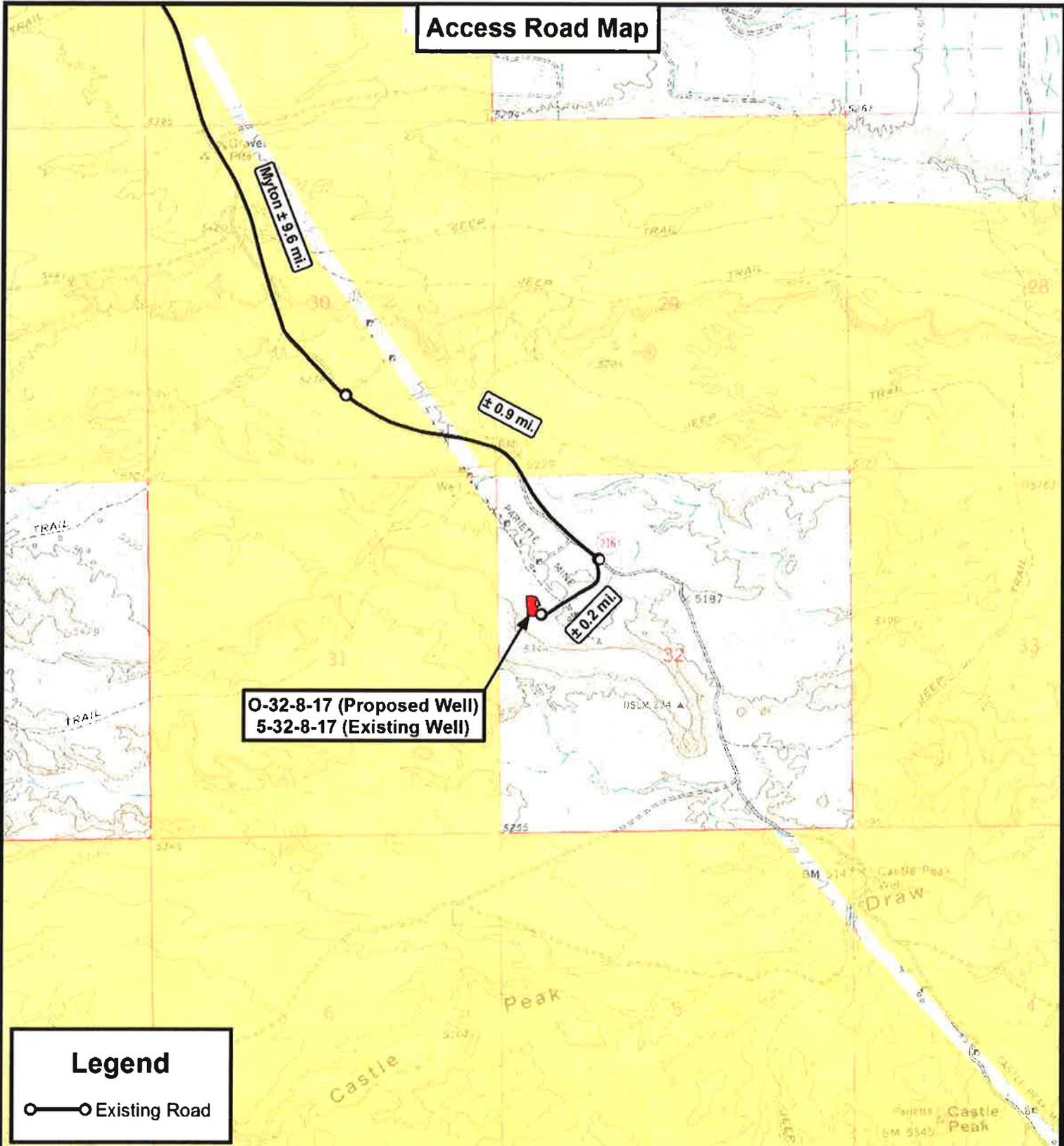
**NEWFIELD EXPLORATION COMPANY**

O-32-8-17 (Proposed Well)  
 5-32-8-17 (Existing Well)  
 SEC. 32, T8S, R17E, S.L.B.&M.  
 Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **A**

**Access Road Map**



**O-32-8-17 (Proposed Well)**  
**5-32-8-17 (Existing Well)**

**Legend**

○—○ Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
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**NEWFIELD EXPLORATION COMPANY**

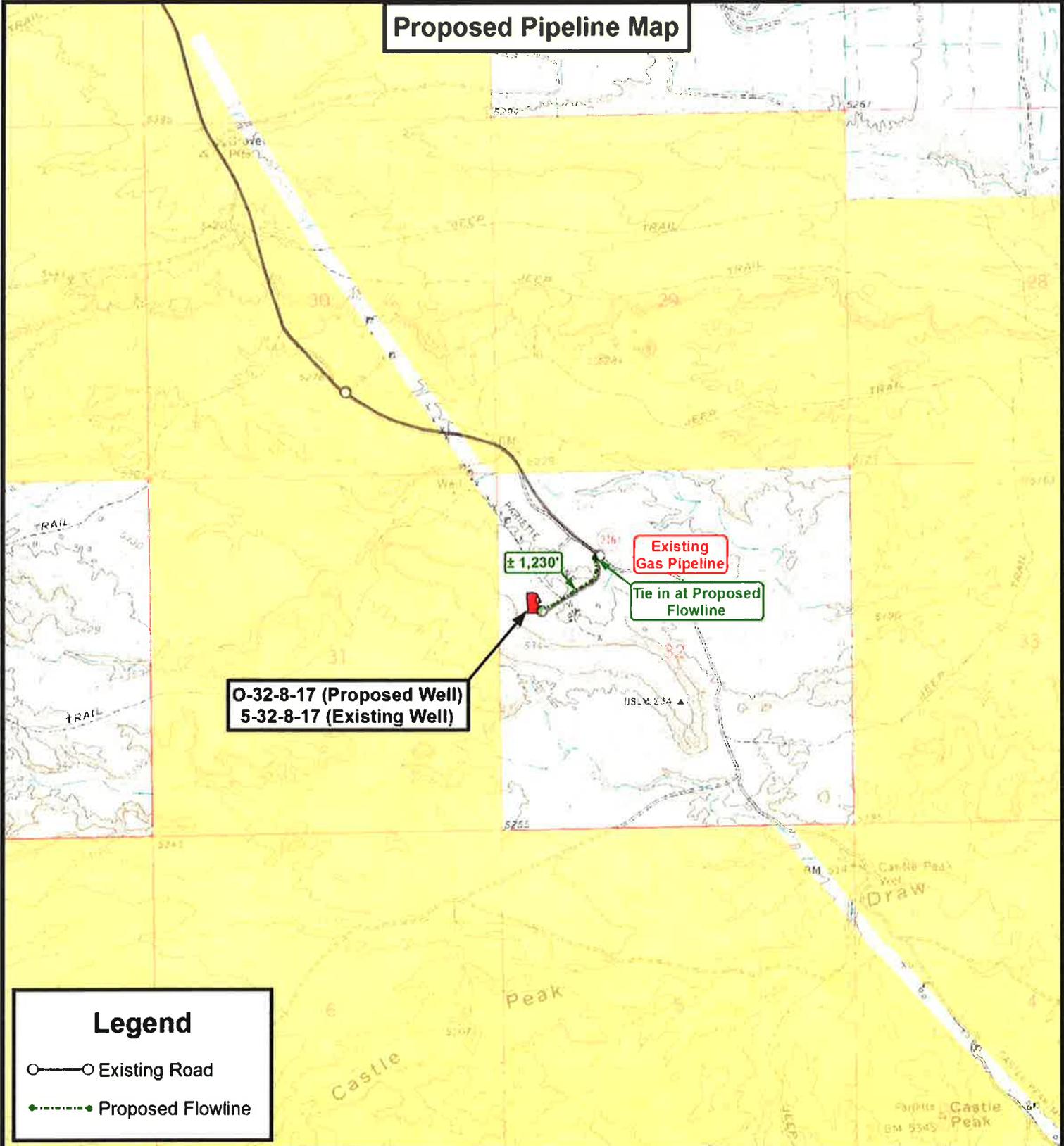
O-32-8-17 (Proposed Well)  
 5-32-8-17 (Existing Well)  
 SEC. 32, T8S, R17E, S.L.B.&M.  
 Duchesne County, UT.

|           |             |          |           |
|-----------|-------------|----------|-----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION:  |
| DATE:     | 03-14-2011  |          | <b>V1</b> |
| SCALE:    | 1" = 2,000' |          |           |

**TOPOGRAPHIC MAP**

SHEET **B**

**Proposed Pipeline Map**



**O-32-8-17 (Proposed Well)**  
**5-32-8-17 (Existing Well)**

**Existing Gas Pipeline**  
**Tie in at Proposed Flowline**

**± 1,230'**

**Legend**

- Existing Road
- - - - ● Proposed Flowline

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**NEWFIELD EXPLORATION COMPANY**

O-32-8-17 (Proposed Well)  
 5-32-8-17 (Existing Well)  
 SEC. 32, T8S, R17E, S.L.B.&M.  
 Duchesne County, UT.

|           |             |          |           |
|-----------|-------------|----------|-----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION:  |
| DATE:     | 03-14-2011  |          | <b>V1</b> |
| SCALE:    | 1" = 2,000' |          |           |

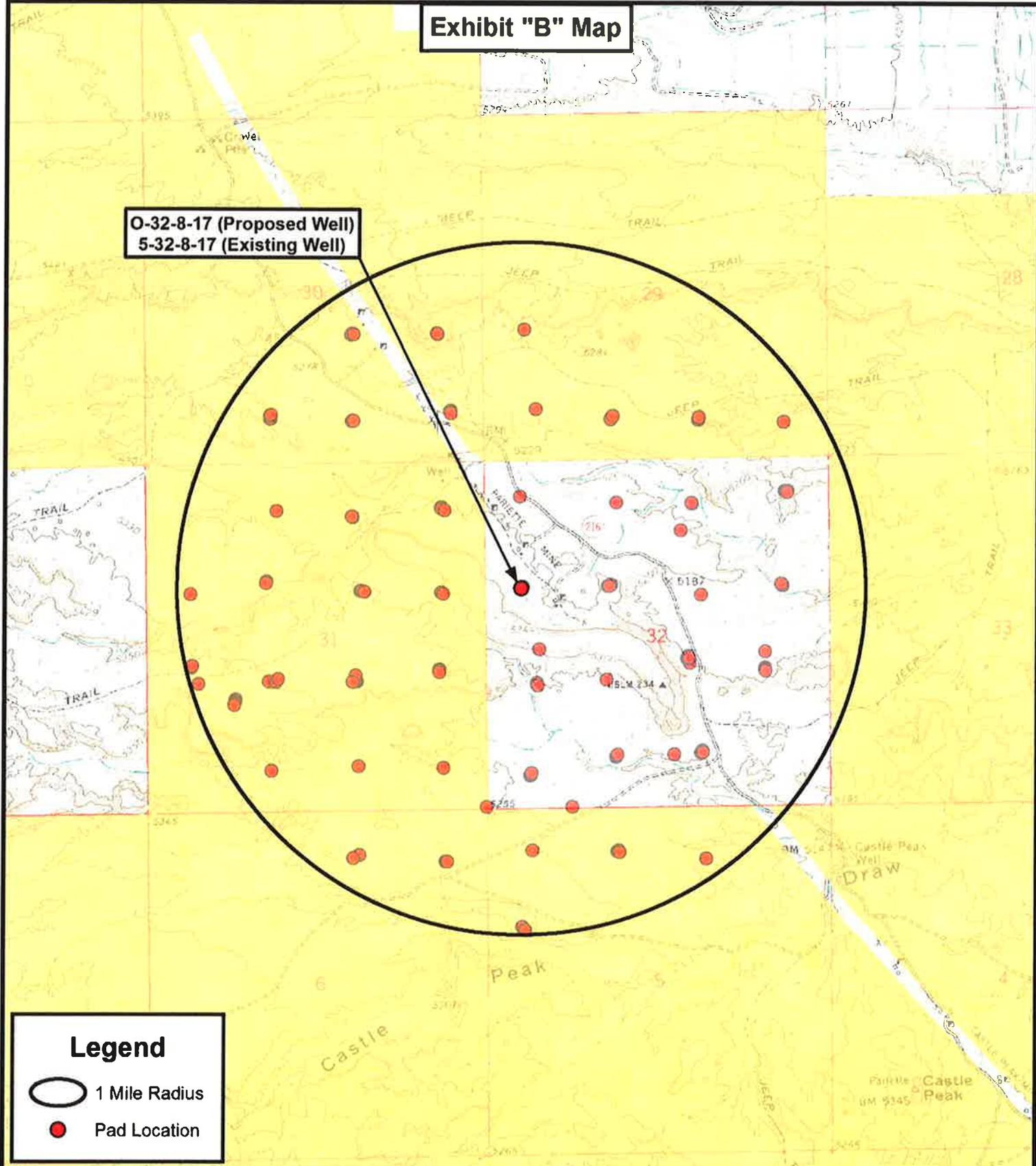
**TOPOGRAPHIC MAP**

SHEET **C**



**Exhibit "B" Map**

**O-32-8-17 (Proposed Well)**  
**5-32-8-17 (Existing Well)**



**Legend**

-  1 Mile Radius
-  Pad Location



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|           |             |          |           |
|-----------|-------------|----------|-----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION:  |
| DATE:     | 03-14-2011  |          | <b>V1</b> |
| SCALE:    | 1" = 2,000' |          |           |



**NEWFIELD EXPLORATION COMPANY**

**O-32-8-17 (Proposed Well)**  
**5-32-8-17 (Existing Well)**  
**SEC. 32, T8S, R17E, S.L.B.&M.**  
**Duchesne County, UT.**

|                        |                   |
|------------------------|-------------------|
| <b>TOPOGRAPHIC MAP</b> | SHEET<br><b>D</b> |
|------------------------|-------------------|



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 32 T8S, R17E  
O-32-8-17**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**26 May, 2011**





|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well O-32-8-17                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8S, R17E       | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | O-32-8-17                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

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

|                              |  |                     |                 |                          |                  |
|------------------------------|--|---------------------|-----------------|--------------------------|------------------|
| <b>Site</b>                  | SECTION 32 T8S, R17E, SEC 32 T8S, R17E |                     |                 |                          |                  |
| <b>Site Position:</b>        |  | <b>Northing:</b>    | 7,199,243.00 ft | <b>Latitude:</b>         | 40° 4' 28.149 N  |
| <b>From:</b>                 | Lat/Long                               | <b>Easting:</b>     | 2,052,198.00 ft | <b>Longitude:</b>        | 110° 1' 42.260 W |
| <b>Position Uncertainty:</b> | 0.0 ft                                 | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> | 0.94 °           |

|                             |   |             |                            |                 |                      |                  |
|-----------------------------|---|-------------|----------------------------|-----------------|----------------------|------------------|
| <b>Well</b>                 | O-32-8-17, SHL LAT: 40 04 35.00 LONG: -110 02 16.34 |             |                            |                 |                      |                  |
| <b>Well Position</b>        | <b>+N/-S</b>  | 693.0 ft    | <b>Northing:</b>           | 7,199,892.62 ft | <b>Latitude:</b>     | 40° 4' 35.000 N  |
|                             | <b>+E/-W</b>  | -2,649.1 ft | <b>Easting:</b>            | 2,049,537.96 ft | <b>Longitude:</b>    | 110° 2' 16.340 W |
| <b>Position Uncertainty</b> |   | 0.0 ft      | <b>Wellhead Elevation:</b> | 5,281.0 ft      | <b>Ground Level:</b> | 5,269.0 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 2011/03/15         | 11.34                  | 65.83                | 52,318                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Design #1                    |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 209.44               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |               |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target        |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |               |
| 600.0                | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |               |
| 1,234.7              | 9.52            | 209.44      | 1,231.8             | -45.8      | -25.9      | 1.50                  | 1.50                 | 0.00                | 209.44  |               |
| 6,363.6              | 9.52            | 209.44      | 6,290.0             | -784.6     | -442.8     | 0.00                  | 0.00                 | 0.00                | 0.00    | O-32-8-17 TGT |



|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well O-32-8-17                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8S, R17E       | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | O-32-8-17                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 100.0               | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0               | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 300.0               | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0               | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 500.0               | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0               | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 700.0               | 1.50            | 209.44      | 700.0               | -1.1       | -0.6       | 1.3                   | 1.50                  | 1.50                 | 0.00                |
| 800.0               | 3.00            | 209.44      | 799.9               | -4.6       | -2.6       | 5.2                   | 1.50                  | 1.50                 | 0.00                |
| 900.0               | 4.50            | 209.44      | 899.7               | -10.3      | -5.8       | 11.8                  | 1.50                  | 1.50                 | 0.00                |
| 1,000.0             | 6.00            | 209.44      | 999.3               | -18.2      | -10.3      | 20.9                  | 1.50                  | 1.50                 | 0.00                |
| 1,100.0             | 7.50            | 209.44      | 1,098.6             | -28.5      | -16.1      | 32.7                  | 1.50                  | 1.50                 | 0.00                |
| 1,200.0             | 9.00            | 209.44      | 1,197.5             | -41.0      | -23.1      | 47.0                  | 1.50                  | 1.50                 | 0.00                |
| 1,234.7             | 9.52            | 209.44      | 1,231.8             | -45.8      | -25.9      | 52.6                  | 1.50                  | 1.50                 | 0.00                |
| 1,300.0             | 9.52            | 209.44      | 1,296.2             | -55.2      | -31.2      | 63.4                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.0             | 9.52            | 209.44      | 1,394.8             | -69.6      | -39.3      | 80.0                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.0             | 9.52            | 209.44      | 1,493.4             | -84.0      | -47.4      | 96.5                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.0             | 9.52            | 209.44      | 1,592.1             | -98.4      | -55.6      | 113.0                 | 0.00                  | 0.00                 | 0.00                |
| 1,700.0             | 9.52            | 209.44      | 1,690.7             | -112.8     | -63.7      | 129.6                 | 0.00                  | 0.00                 | 0.00                |
| 1,800.0             | 9.52            | 209.44      | 1,789.3             | -127.3     | -71.8      | 146.1                 | 0.00                  | 0.00                 | 0.00                |
| 1,900.0             | 9.52            | 209.44      | 1,887.9             | -141.7     | -79.9      | 162.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,000.0             | 9.52            | 209.44      | 1,986.5             | -156.1     | -88.1      | 179.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,100.0             | 9.52            | 209.44      | 2,085.2             | -170.5     | -96.2      | 195.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,200.0             | 9.52            | 209.44      | 2,183.8             | -184.9     | -104.3     | 212.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,300.0             | 9.52            | 209.44      | 2,282.4             | -199.3     | -112.5     | 228.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,400.0             | 9.52            | 209.44      | 2,381.0             | -213.7     | -120.6     | 245.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,500.0             | 9.52            | 209.44      | 2,479.7             | -228.1     | -128.7     | 261.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0             | 9.52            | 209.44      | 2,578.3             | -242.5     | -136.9     | 278.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,700.0             | 9.52            | 209.44      | 2,676.9             | -256.9     | -145.0     | 295.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,800.0             | 9.52            | 209.44      | 2,775.5             | -271.3     | -153.1     | 311.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,900.0             | 9.52            | 209.44      | 2,874.1             | -285.7     | -161.3     | 328.1                 | 0.00                  | 0.00                 | 0.00                |
| 3,000.0             | 9.52            | 209.44      | 2,972.8             | -300.1     | -169.4     | 344.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,100.0             | 9.52            | 209.44      | 3,071.4             | -314.5     | -177.5     | 361.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,200.0             | 9.52            | 209.44      | 3,170.0             | -328.9     | -185.6     | 377.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,300.0             | 9.52            | 209.44      | 3,268.6             | -343.3     | -193.8     | 394.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,400.0             | 9.52            | 209.44      | 3,367.3             | -357.7     | -201.9     | 410.8                 | 0.00                  | 0.00                 | 0.00                |
| 3,500.0             | 9.52            | 209.44      | 3,465.9             | -372.1     | -210.0     | 427.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,600.0             | 9.52            | 209.44      | 3,564.5             | -386.5     | -218.2     | 443.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,700.0             | 9.52            | 209.44      | 3,663.1             | -401.0     | -226.3     | 460.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0             | 9.52            | 209.44      | 3,761.7             | -415.4     | -234.4     | 476.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,900.0             | 9.52            | 209.44      | 3,860.4             | -429.8     | -242.6     | 493.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0             | 9.52            | 209.44      | 3,959.0             | -444.2     | -250.7     | 510.0                 | 0.00                  | 0.00                 | 0.00                |
| 4,100.0             | 9.52            | 209.44      | 4,057.6             | -458.6     | -258.8     | 526.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0             | 9.52            | 209.44      | 4,156.2             | -473.0     | -266.9     | 543.1                 | 0.00                  | 0.00                 | 0.00                |
| 4,300.0             | 9.52            | 209.44      | 4,254.9             | -487.4     | -275.1     | 559.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,400.0             | 9.52            | 209.44      | 4,353.5             | -501.8     | -283.2     | 576.2                 | 0.00                  | 0.00                 | 0.00                |
| 4,500.0             | 9.52            | 209.44      | 4,452.1             | -516.2     | -291.3     | 592.7                 | 0.00                  | 0.00                 | 0.00                |
| 4,600.0             | 9.52            | 209.44      | 4,550.7             | -530.6     | -299.5     | 609.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,700.0             | 9.52            | 209.44      | 4,649.3             | -545.0     | -307.6     | 625.8                 | 0.00                  | 0.00                 | 0.00                |
| 4,800.0             | 9.52            | 209.44      | 4,748.0             | -559.4     | -315.7     | 642.4                 | 0.00                  | 0.00                 | 0.00                |
| 4,900.0             | 9.52            | 209.44      | 4,846.6             | -573.8     | -323.9     | 658.9                 | 0.00                  | 0.00                 | 0.00                |
| 5,000.0             | 9.52            | 209.44      | 4,945.2             | -588.2     | -332.0     | 675.4                 | 0.00                  | 0.00                 | 0.00                |
| 5,100.0             | 9.52            | 209.44      | 5,043.8             | -602.6     | -340.1     | 692.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,200.0             | 9.52            | 209.44      | 5,142.5             | -617.0     | -348.2     | 708.5                 | 0.00                  | 0.00                 | 0.00                |

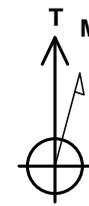


|                  |                            |                                     |                                     |
|------------------|----------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well O-32-8-17                      |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | O-32-8-17 @ 5281.0ft (Newfield Rig) |
| <b>Site:</b>     | SECTION 32 T8S, R17E       | <b>North Reference:</b>             | True                                |
| <b>Well:</b>     | O-32-8-17                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                     |
| <b>Design:</b>   | Design #1                  |                                     |                                     |

| Planned Survey       |                 |             |                     |            |            |                       |                       |                      |                     |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,300.0              | 9.52            | 209.44      | 5,241.1             | -631.4     | -356.4     | 725.1                 | 0.00                  | 0.00                 | 0.00                |
| 5,400.0              | 9.52            | 209.44      | 5,339.7             | -645.8     | -364.5     | 741.6                 | 0.00                  | 0.00                 | 0.00                |
| 5,500.0              | 9.52            | 209.44      | 5,438.3             | -660.2     | -372.6     | 758.1                 | 0.00                  | 0.00                 | 0.00                |
| 5,600.0              | 9.52            | 209.44      | 5,536.9             | -674.7     | -380.8     | 774.7                 | 0.00                  | 0.00                 | 0.00                |
| 5,700.0              | 9.52            | 209.44      | 5,635.6             | -689.1     | -388.9     | 791.2                 | 0.00                  | 0.00                 | 0.00                |
| 5,800.0              | 9.52            | 209.44      | 5,734.2             | -703.5     | -397.0     | 807.8                 | 0.00                  | 0.00                 | 0.00                |
| 5,900.0              | 9.52            | 209.44      | 5,832.8             | -717.9     | -405.2     | 824.3                 | 0.00                  | 0.00                 | 0.00                |
| 6,000.0              | 9.52            | 209.44      | 5,931.4             | -732.3     | -413.3     | 840.9                 | 0.00                  | 0.00                 | 0.00                |
| 6,100.0              | 9.52            | 209.44      | 6,030.1             | -746.7     | -421.4     | 857.4                 | 0.00                  | 0.00                 | 0.00                |
| 6,200.0              | 9.52            | 209.44      | 6,128.7             | -761.1     | -429.5     | 873.9                 | 0.00                  | 0.00                 | 0.00                |
| 6,300.0              | 9.52            | 209.44      | 6,227.3             | -775.5     | -437.7     | 890.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,363.6              | 9.52            | 209.44      | 6,290.0             | -784.6     | -442.8     | 901.0                 | 0.00                  | 0.00                 | 0.00                |
| <b>O-32-8-17 TGT</b> |                 |             |                     |            |            |                       |                       |                      |                     |



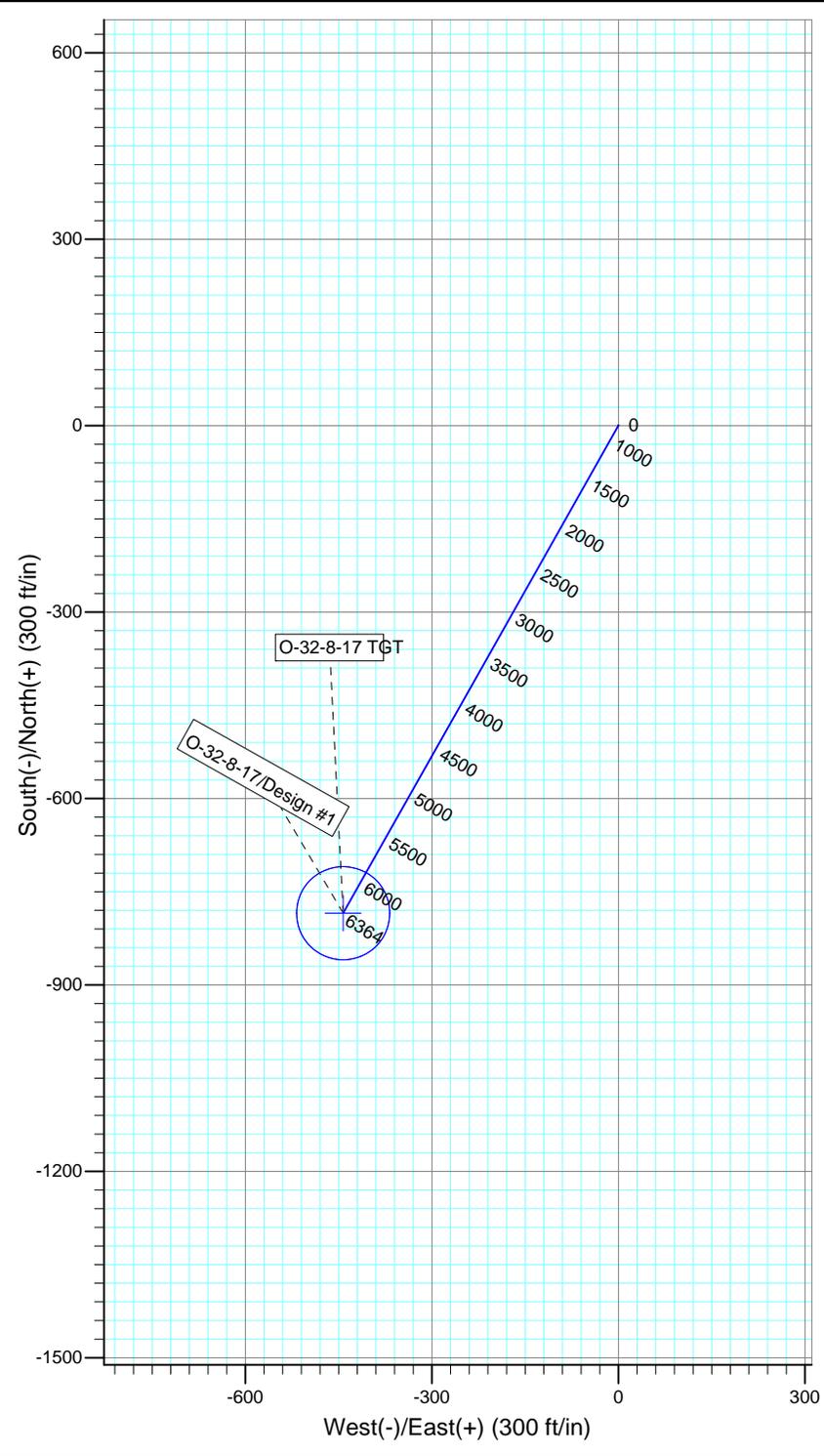
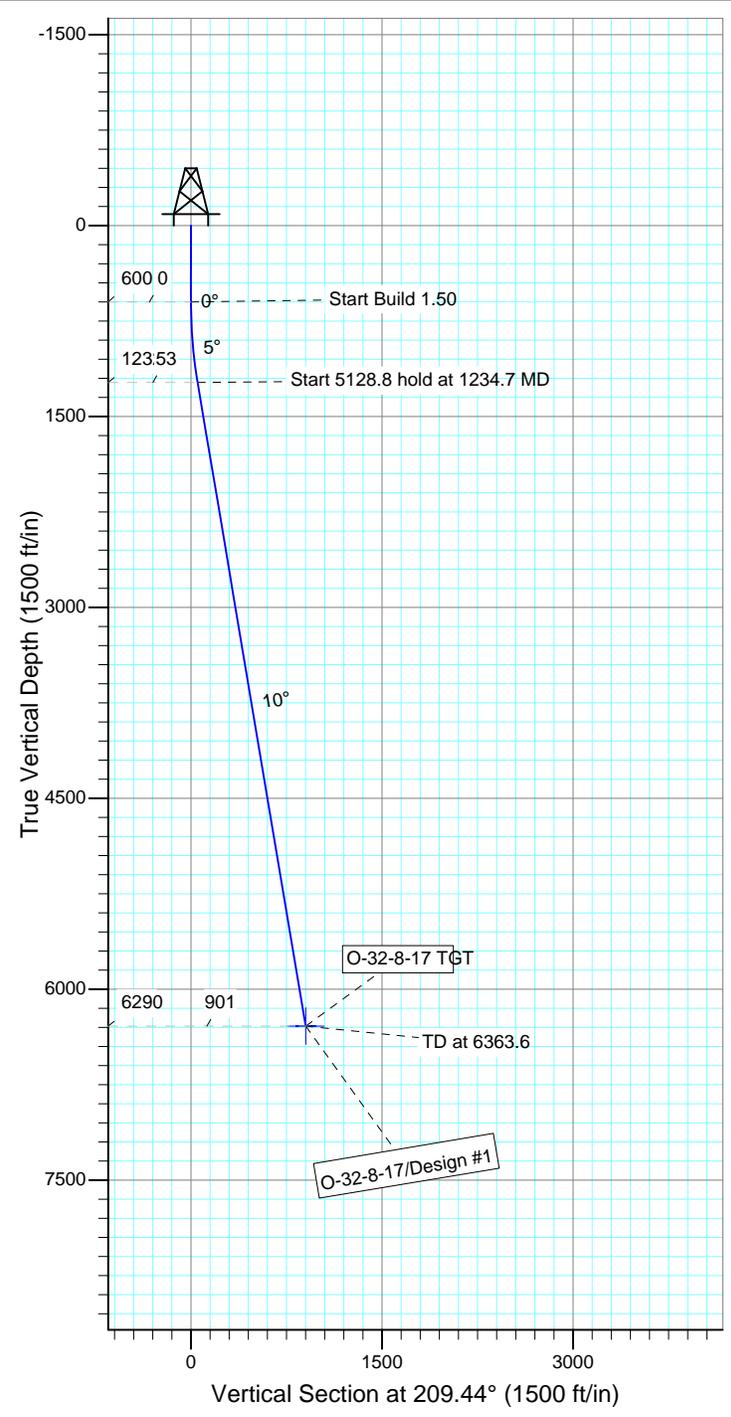
Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8S, R17E  
 Well: O-32-8-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.34°

Magnetic Field  
 Strength: 52317.8snT  
 Dip Angle: 65.83°  
 Date: 2011/03/15  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

| Name          | TVD    | +N/-S  | +E/-W  | Shape                 |
|---------------|--------|--------|--------|-----------------------|
| O-32-8-17 TGT | 6290.0 | -784.6 | -442.8 | Circle (Radius: 75.0) |

SECTION DETAILS

| Sec | MD     | Inc  | Azi    | TVD    | +N/-S  | +E/-W  | DLeg | TFace  | VSec  | Target        |
|-----|--------|------|--------|--------|--------|--------|------|--------|-------|---------------|
| 1   | 0.0    | 0.00 | 0.00   | 0.0    | 0.0    | 0.0    | 0.00 | 0.00   | 0.0   |               |
| 2   | 600.0  | 0.00 | 0.00   | 600.0  | 0.0    | 0.0    | 0.00 | 0.00   | 0.0   |               |
| 3   | 1234.7 | 9.52 | 209.44 | 1231.8 | -45.8  | -25.9  | 1.50 | 209.44 | 52.6  |               |
| 4   | 6363.6 | 9.52 | 209.44 | 6290.0 | -784.6 | -442.8 | 0.00 | 0.00   | 901.0 | O-32-8-17 TGT |



RECEIVED: Jun. 07, 2011

NEWFIELD PRODUCTION COMPANY  
GMBU O-32-8-17  
AT SURFACE: SW/NW SECTION 32, T8S, 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 GMBU O-32-8-17 located in the SW 1/4 NW 1/4 Section 32, T8S, 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 - 9.1 miles  $\pm$  to its junction with an existing road to the southwest; proceed southwesterly - 0.2 miles  $\pm$  to the access road to the existing 5-32-8-17 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 5-32-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

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

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

Surface Flow Line

Newfield requests 1,230' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells,

Newfield. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

#### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw 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, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU O-32-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU O-32-8-17, Newfield will use, produce,

APD 1000  
APD 1000

store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton  
Address: Newfield Production Company  
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 #O-32-8-17, Section 32, Township 8S, Range 17E: Lease ML-22060 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 #B001834.

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

3/24/11  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



# NEWFIELD EXPLORATION COMPANY

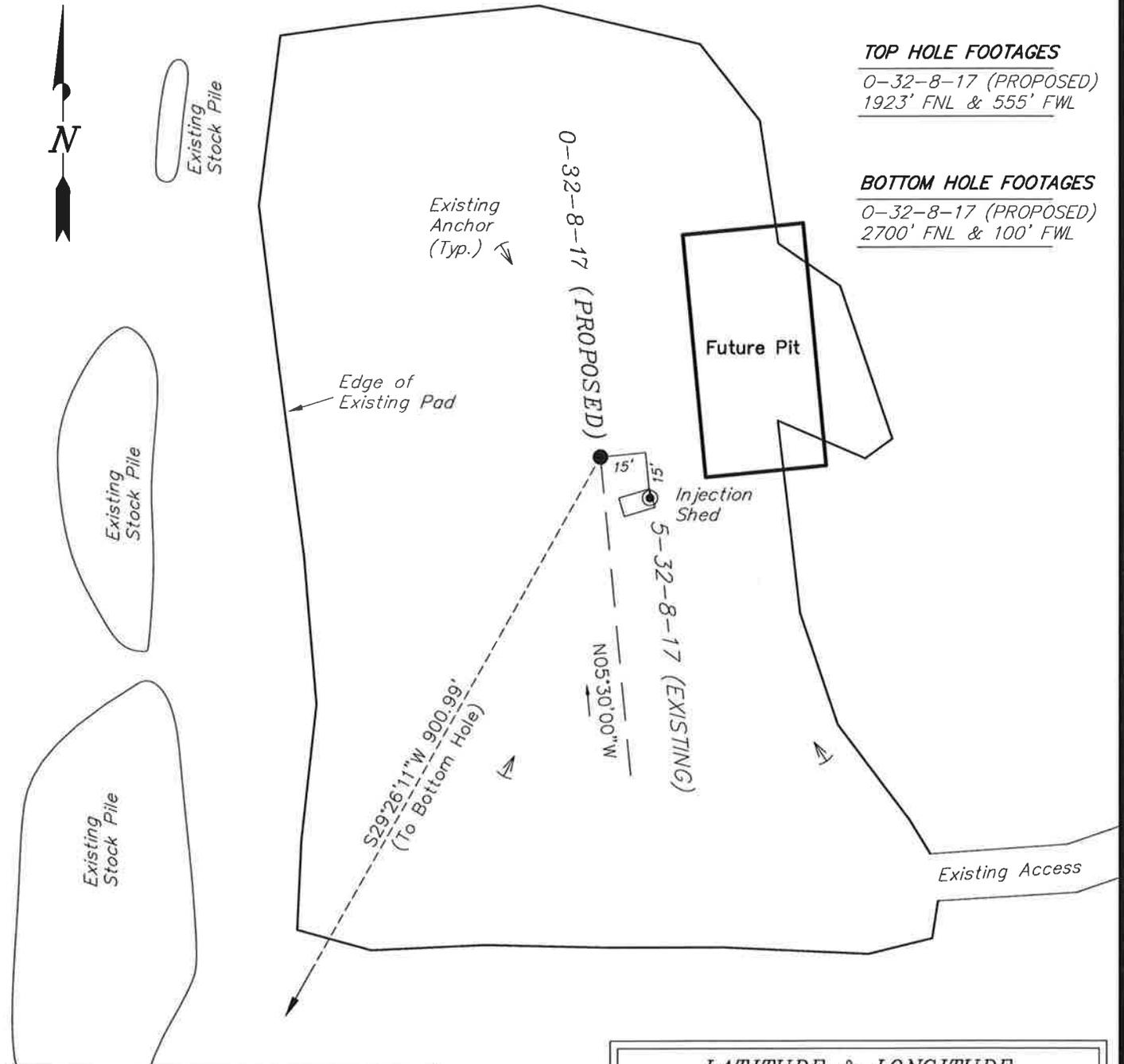
## WELL PAD INTERFERENCE PLAT

**0-32-8-17 (Proposed Well)**

**5-32-8-17 (Existing Well)**

Pad Location: SWNW (LOT 3) Section 32, T8S, R17E, S.L.B.&M.

Pig Launcher



**TOP HOLE FOOTAGES**

0-32-8-17 (PROPOSED)  
1923' FNL & 555' FWL

**BOTTOM HOLE FOOTAGES**

0-32-8-17 (PROPOSED)  
2700' FNL & 100' FWL

**RELATIVE COORDINATES**  
From Top Hole to Bottom Hole

| WELL      | NORTH | EAST  |
|-----------|-------|-------|
| 0-32-8-17 | -785' | -443' |

**Note:**  
Bearings are based on GPS Observations.

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

| WELL      | LATITUDE       | LONGITUDE       |
|-----------|----------------|-----------------|
| 0-32-8-17 | 40° 04' 35.00" | 110° 02' 16.34" |
| 5-32-8-17 | 40° 04' 34.87" | 110° 02' 16.13" |

|                   |                         |             |
|-------------------|-------------------------|-------------|
| SURVEYED BY: T.P. | DATE SURVEYED: 03-05-11 | VERSION: V1 |
| DRAWN BY: F.T.M.  | DATE DRAWN: 03-11-11    |             |
| SCALE: 1" = 50'   | REVISED:                |             |

(435) 781-2501

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

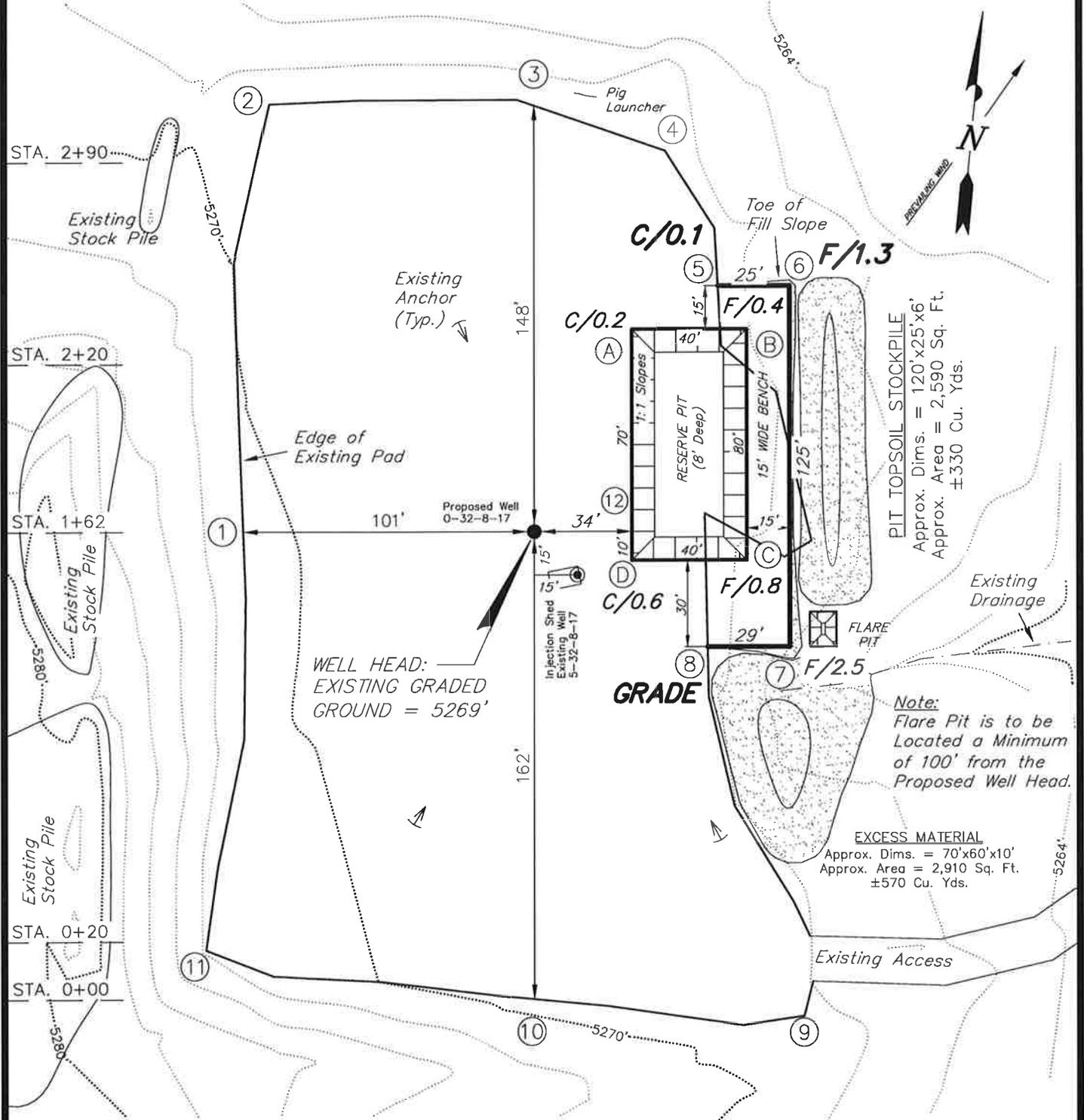
# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

0-32-8-17 (Proposed Well)

5-32-8-17 (Existing Well)

Pad Location: SWNW (LOT 3) Section 32, T8S, R17E, S.L.B.&M.



**NOTE:**  
 The topsoil, excess material & temporary cuttings areas are calculated as being mounds containing 900 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

**Note:**  
 Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: T.P. | DATE SURVEYED: 03-05-11 | VERSION: |
| DRAWN BY: F.T.M.  | DATE DRAWN: 03-11-11    | V1       |
| SCALE: 1" = 50'   | REVISED:                |          |

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

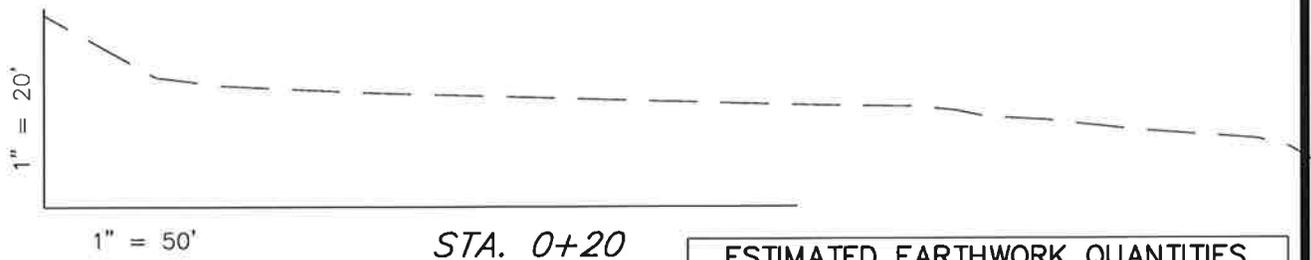
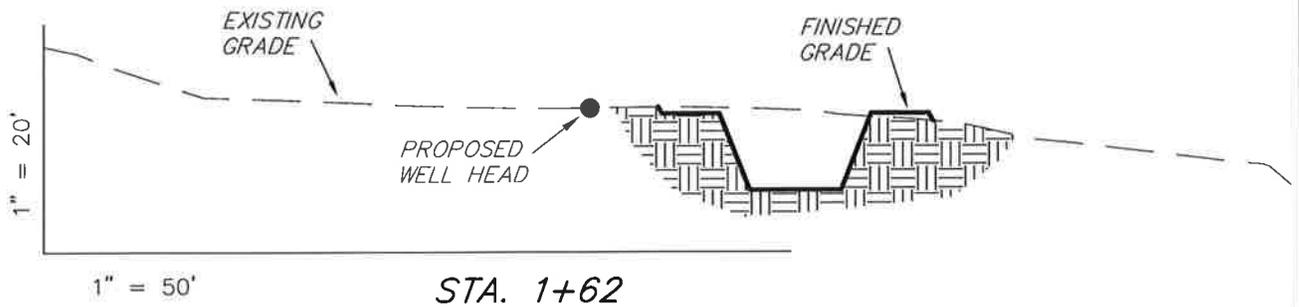
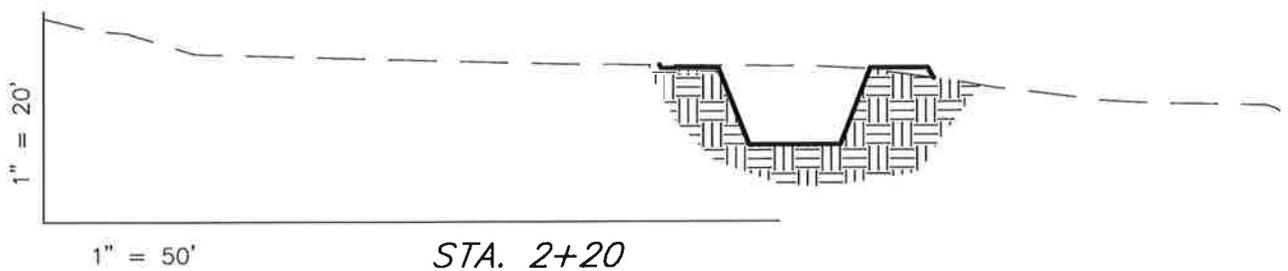
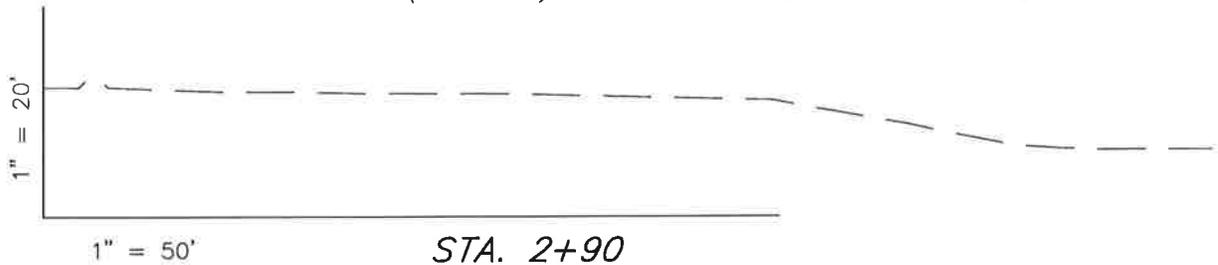
# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

**0-32-8-17 (Proposed Well)**

**5-32-8-17 (Existing Well)**

Pad Location: SWNW (LOT 3) Section 32, T8S, R17E, S.L.B.&M.



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

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

| ITEM          | CUT        | FILL      | 6" TOPSOIL                               | EXCESS     |
|---------------|------------|-----------|--|------------|
| PAD           | 0          | 70        | Topsoil is<br>not included<br>in Pad Cut | -70        |
| PIT           | 590        | 0         |  | 590        |
| <b>TOTALS</b> | <b>590</b> | <b>70</b> | <b>300</b>                               | <b>520</b> |

|                   |                         |           |
|-------------------|-------------------------|-----------|
| SURVEYED BY: T.P. | DATE SURVEYED: 03-05-11 | VERSION:  |
| DRAWN BY: F.T.M.  | DATE DRAWN: 03-11-11    | <b>V1</b> |
| SCALE: 1" = 50'   | REVISED:                |           |

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

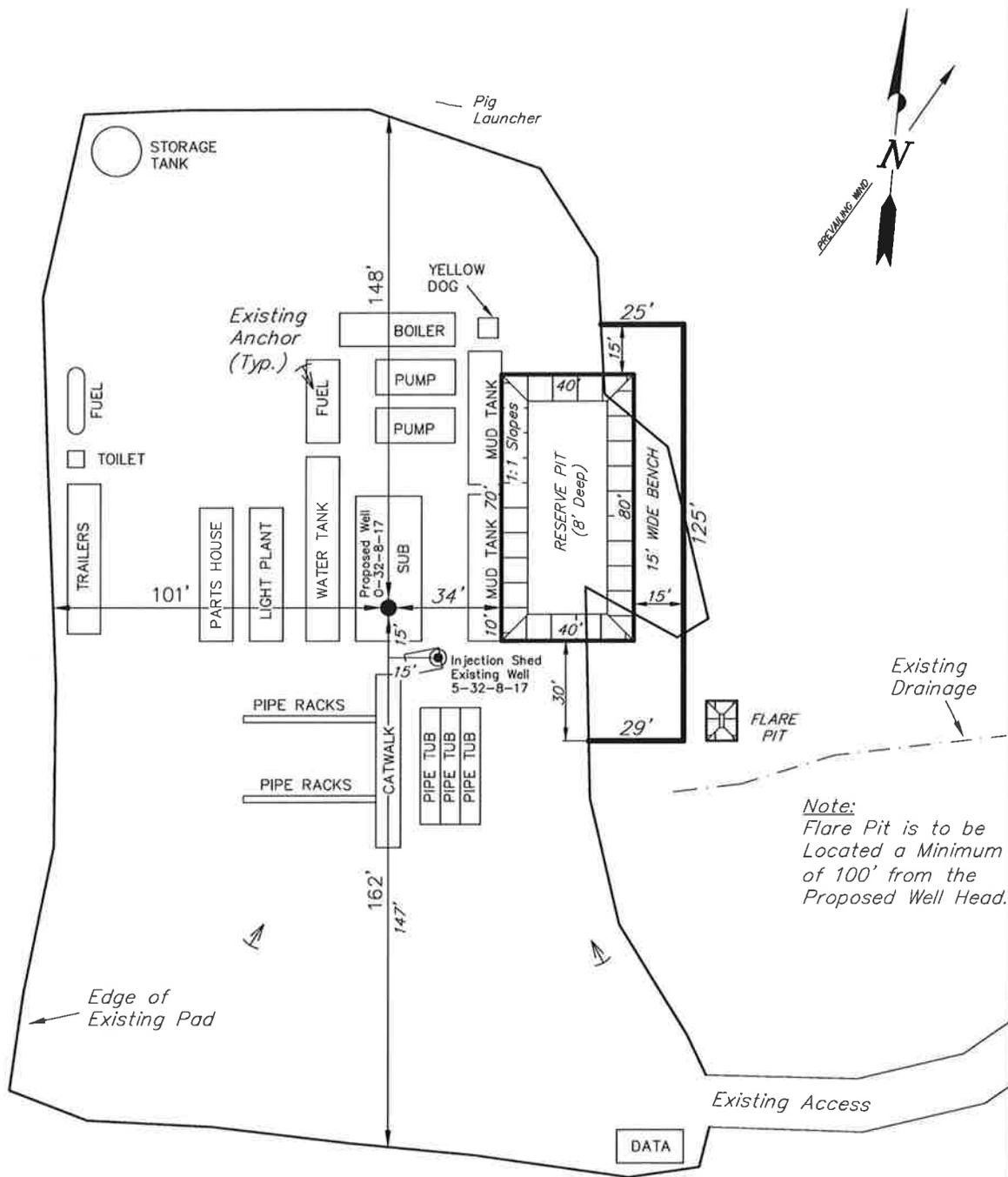
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

0-32-8-17 (Proposed Well)

5-32-8-17 (Existing Well)

Pad Location: SWNW (LOT 3) Section 32, T8S, R17E, S.L.B.&M.



|                   |                         |          |
|-------------------|-------------------------|----------|
| SURVEYED BY: T.P. | DATE SURVEYED: 03-05-11 | VERSION: |
| DRAWN BY: F.T.M.  | DATE DRAWN: 03-11-11    | V1       |
| SCALE: 1" = 50'   | REVISED:                |          |

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

# 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)

March 25, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2011 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

| API#                      | WELL NAME      | LOCATION   |
|---------------------------|----------------|--|
| (Proposed PZ GREEN RIVER) |                |  |
| 43-013-50656              | GMBU P-32-8-17 | Sec 32 T08S R17E 0500 FSL 0675 FWL<br>BHL Sec 32 T08S R17E 1325 FSL 0100 FWL |
| 43-013-50657              | GMBU W-32-8-17 | Sec 32 T08S R17E 0773 FSL 1997 FWL<br>BHL Sec 32 T08S R17E 0100 FSL 2614 FWL |
| 43-047-51546              | GMBU B-36-8-17 | Sec 36 T08S R17E 0770 FNL 2032 FEL<br>BHL Sec 36 T08S R17E 0100 FNL 1400 FEL |
| 43-047-51547              | GMBU C-36-8-17 | Sec 36 T08S R17E 0768 FNL 2054 FEL<br>BHL Sec 36 T08S R17E 0100 FNL 2629 FEL |
| 43-047-51548              | GMBU D-36-8-17 | Sec 36 T08S R17E 0668 FNL 1987 FWL<br>BHL Sec 36 T08S R17E 0100 FNL 1320 FWL |
| 43-013-50658              | GMBU O-32-8-17 | Sec 32 T08S R17E 1923 FNL 0555 FWL<br>BHL Sec 32 T08S R17E 2595 FSL 0100 FWL |
| 43-047-51549              | GMBU B-2-9-17  | Sec 02 T09S R17E 0634 FNL 0643 FEL<br>BHL Sec 02 T09S R17E 0100 FNL 1235 FEL |
| 43-047-51550              | GMBU J-2-9-17  | Sec 02 T09S R17E 0650 FNL 0658 FEL<br>BHL Sec 02 T09S R17E 1330 FNL 0100 FEL |

RECEIVED: Jun. 07, 2011

| API #                     | WELL NAME     | LOCATION   |
|---------------------------|---------------|--|
| (Proposed PZ GREEN RIVER) |               |  |
| 43-047-51551              | GMBU C-2-9-17 | Sec 02 T09S R17E 0502 FNL 1961 FEL<br>BHL Sec 02 T09S R17E 0100 FNL 2575 FWL |

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

Michael L. Coulthard Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of  
Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.03.25 09:53:50 -0600

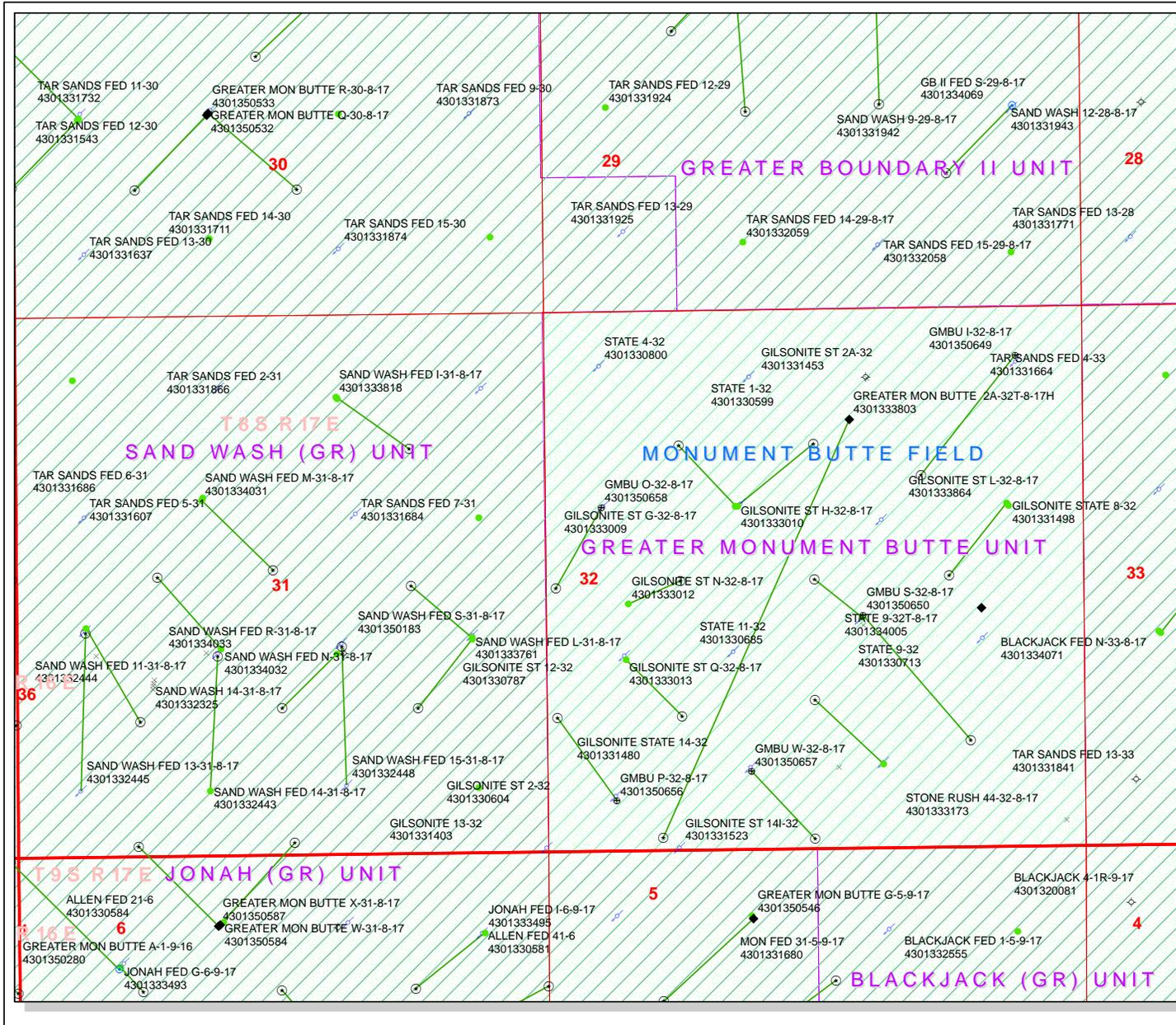
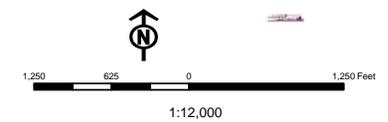
bcc: **File - Greater Monument Butte Unit**  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:3-25-11

**API Number: 4301350658**  
**Well Name: GMBU O-32-8-17**  
 Township T08 . Range R17 . Section 32  
**Meridian: SLBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

| Units         | Wells Query Status                 |
|---------------|------------------------------------|
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERMAL | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| Unknown       | SGW - Shut-in Gas Well             |
| ABANDONED     | SOW - Shut-in Oil Well             |
| ACTIVE        | TA - Temp. Abandoned               |
| COMBINED      | TW - Test Well                     |
| INACTIVE      | WDW - Water Disposal               |
| STORAGE       | WIW - Water Injection Well         |
| TERMINATED    | WSW - Water Supply Well            |
| Sections      |                                    |
| Township      |                                    |





VIA ELECTRONIC DELIVERY

March 28, 2011

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

RE: Directional Drilling  
**GMBU O-32-8-17**  
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 32: SWNW (ML-22060)  
1923' FNL 555' FWL

At Target: T8S-R17E Section 32: NWSW (ML-22060)  
2595' FSL 100' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 3/24/11, a copy of which is attached, 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 and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

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 contact the undersigned at 303-383-4197 or by email at [gillespie@newfield.com](mailto:gillespie@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "S. Gillespie", is written over a blue circular stamp. Below the signature, the name "Shane Gillespie" and the title "Land Associate" are printed in a black, sans-serif font.

Shane Gillespie  
Land Associate

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

FORM 3

AMENDED REPORT   
(highlight changes)

|  |  |   |                                |  |                    |
|--|--|---|--------------------------------|--|--------------------|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |  |   |                                | 5 MINERAL LEASE NO<br>ML-22060                                   | 6 SURFACE<br>State |
| 1A TYPE OF WORK DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>   |  |   |                                | 7 IF INDIAN, ALLOTTEE OR TRIBE NAME<br>NA                        |                    |
| B TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  |   |                                | 8 UNIT or CA AGREEMENT NAME<br>Greater Monument Butte            |                    |
| 2 NAME OF OPERATOR<br>Newfield Production Company  |  |   |                                | 9 WELL NAME and NUMBER<br>GMBU O-32-8-17                         |                    |
| 3 ADDRESS OF OPERATOR<br>Route #3 Box 3630 Myton UT 84052  |  |   | PHONE NUMBER<br>(435) 646-3721 | 10 FIELD AND POOL, OR WILDCAT<br>Monument Butte                  |                    |
| 4 LOCATION OF WELL (FOOTAGES)<br>A1 SURFACE SW/NW 1923' FNL 555' FWL Sec. 32 T8S R17E<br>A1 PROPOSED PRODUCING ZONE NW/SW 2595' FSL 100' FWL Sec. 32 T8S R17E                          |  |   |                                | 11 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN<br>SWNW 32 8S 17E |                    |
| 14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE<br>Approximately 10.7 miles southeast of Myton, Utah   |  |   |                                | 12 COUNTY<br>Duchesne  | 13 STATE<br>UTAH   |
| 15 DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)<br>Approx. 100' f/lse line, NA' f/unit line   |  | 16 NUMBER OF ACRES IN LEASE<br>598.67 acres                 |                                | 17 NUMBER OF ACRES ASSIGNED TO THIS WELL<br>20 acres             |                    |
| 18 DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)<br>Approx. 1270'  |  | 19 PROPOSED DEPTH<br>6,408                                  |                                | 20 BOND DESCRIPTION<br>#B001834                                  |                    |
| 21 ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC)<br>5269' GL   |  | 22 APPROXIMATE DATE WORK WILL START<br><i>2nd Qtr. 2011</i> |                                | 23 ESTIMATED DURATION<br>(15) days from SPUD to rig release      |                    |

**PROPOSED CASING AND CEMENTING PROGRAM**

| SIZE OF HOLE | CASING SIZE, GRADE, AND WEIGHT PER FOOT | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT |
|--------------|---|---------------|---|
| 12 1/4       | 8 5/8 J-55 24.0                         | 300           | Class G w/2% CaCl 155 sx +/- 1.17 15.8          |
| 7 7/8        | 5 1/2 J-55 15.5                         | 6,408         | Lead(Prem Lite II) 275 sx +/- 3.26 11.0         |
|              |   |               | Tail (50/50 Poz) 450 sx +/- 1.24 14.3           |
|              |   |               |   |
|              |   |               |   |
|              |   |               |   |
|              |   |               |   |

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist  
SIGNATURE *Mandie Crozier* DATE 3/24/11

(This space for State use only)

API NUMBER ASSIGNED \_\_\_\_\_

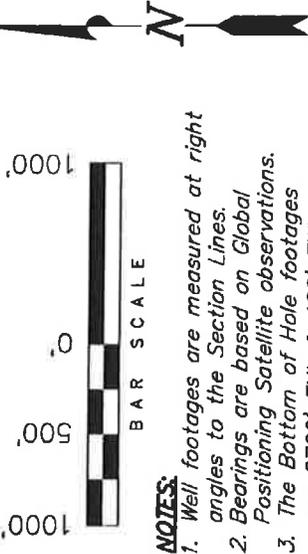
APPROVAL \_\_\_\_\_

# T8S, R17E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 0-32-8-17, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 (LOT 3) OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 0-32-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



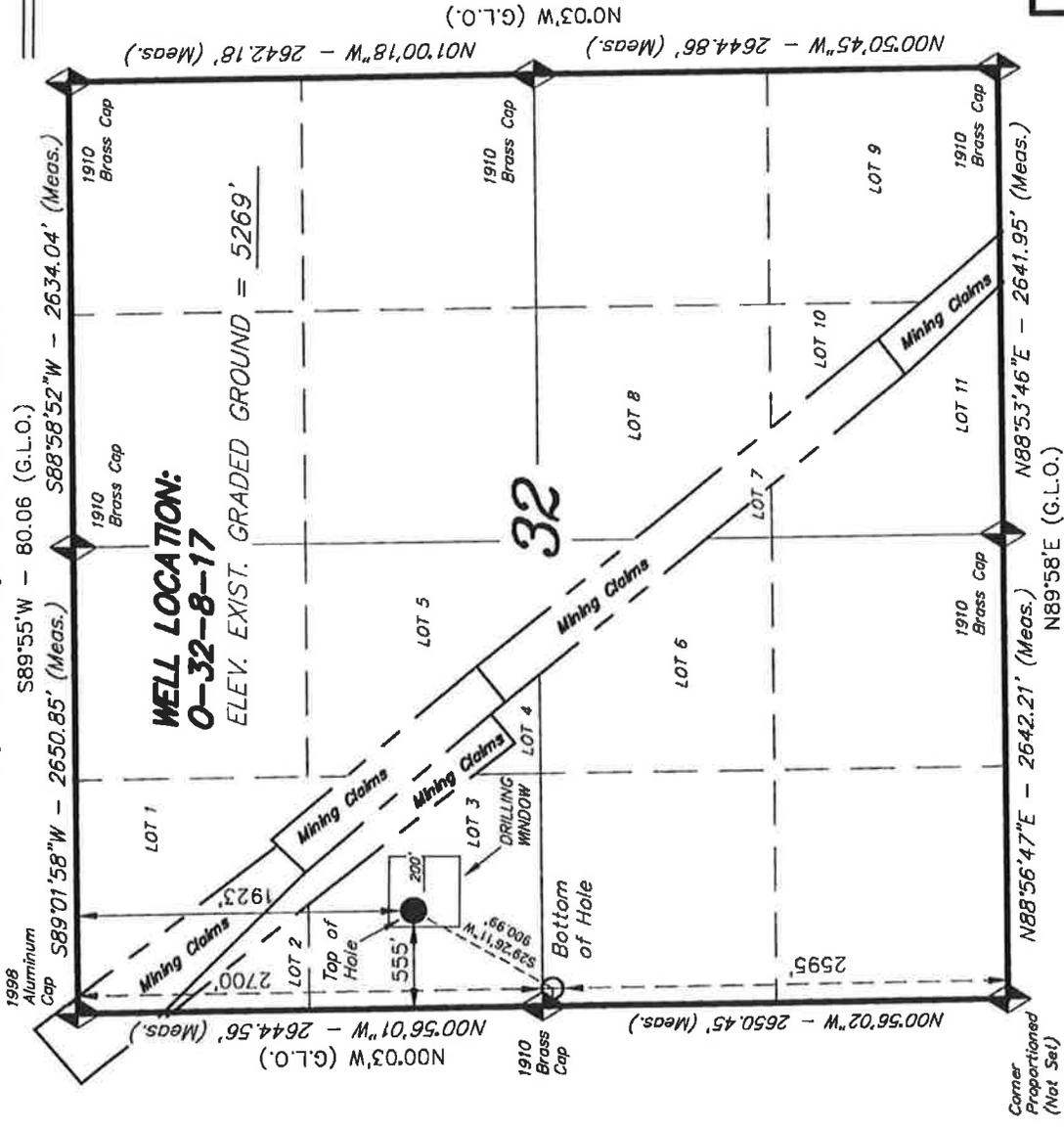
- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings are based on Global Positioning Satellite observations.
  3. The Bottom of Hole footages are 2700' FNL & 100' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS PREPARED FROM FIELD MEASUREMENTS AND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. 189377

**STACY W.**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 0000000000  
STATE OF UTAH

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

|                            |                   |          |
|----------------------------|-------------------|----------|
| DATE SURVEYED:<br>03-05-11 | SURVEYED BY: T.P. | VERSION: |
| DATE DRAWN:<br>03-11-11    | DRAWN BY: F.T.M.  | V1       |
| REVISED:                   | SCALE: 1" = 1000' |          |

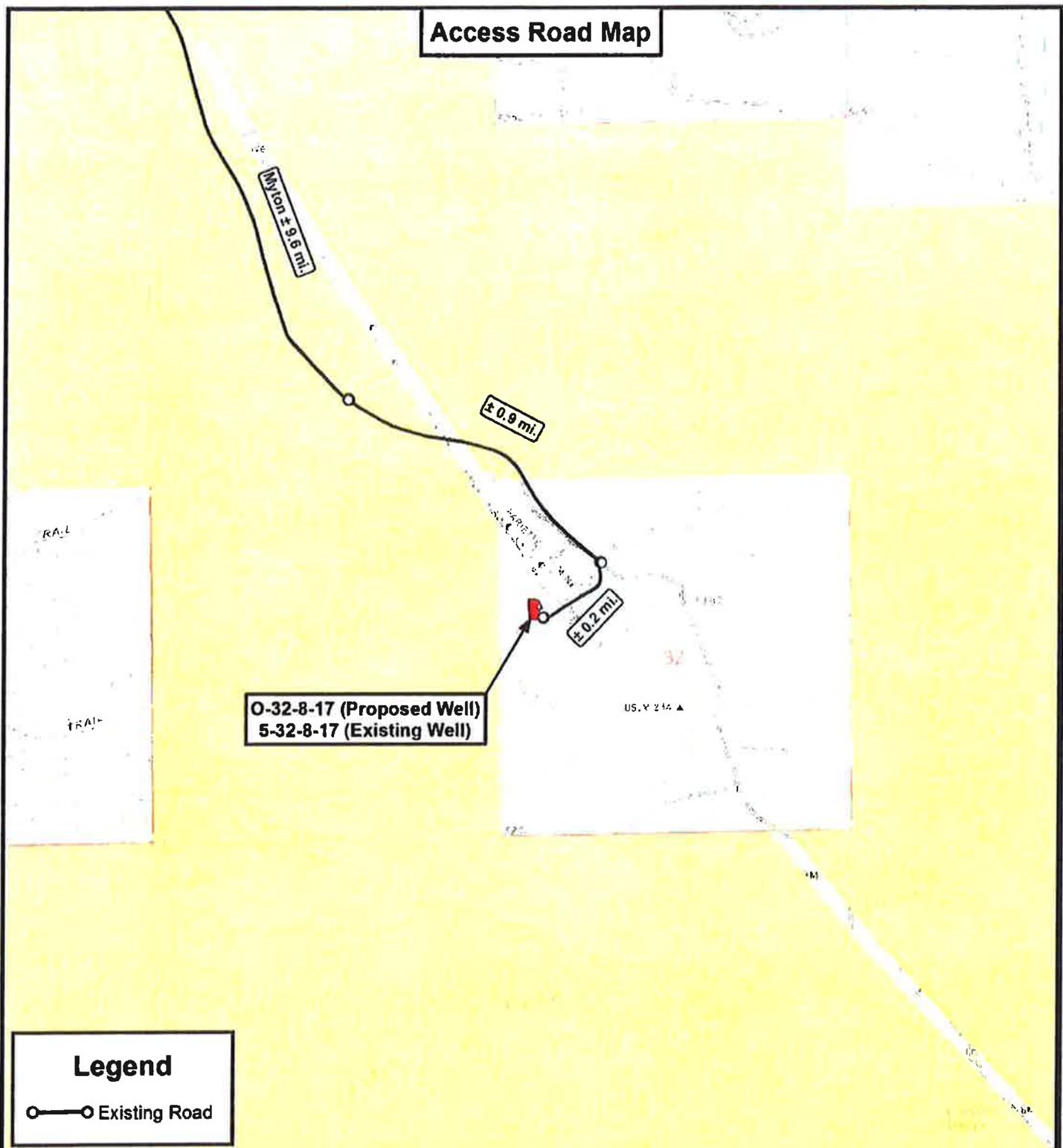


**0-32-8-17**  
(Surface Location) **NAD 83**  
LATITUDE = 40° 04' 35.00"  
LONGITUDE = 110° 02' 16.34"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

**Access Road Map**



**Legend**

—○— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**NEWFIELD EXPLORATION COMPANY**

O-32-8-17 (Proposed Well)  
5-32-8-17 (Existing Well)  
SEC. 32, T8S, R17E, S.L.B.&M.  
Duchesne County, UT.

|           |             |          |          |
|-----------|-------------|----------|----------|
| DRAWN BY: | C.H.M.      | REVISED: | VERSION: |
| DATE:     | 03-14-2011  |          | V1       |
| SCALE:    | 1" = 2,000' |          |          |

**TOPOGRAPHIC MAP**

SHEET **B**

**From:** Jim Davis  
**To:** Bonner, Ed; Garrison, LaVonne; Hill, Brad; Mason, Diana  
**CC:** mcrozier@newfield.com; teaton@newfield.com  
**Date:** 5/12/2011 10:02 AM  
**Subject:** Newfield APD approvals

The following APDs have been approved by SITLA. Please see the arch and paleo notes below.

Arch and paleo clearance is granted on this group of APDs.

4301350649 GMBU I-32-8-17  
4304751540 GMBU N-36-8-17  
4301350658 GMBU O-32-8-17  
4301350659 State 3-36-9-16H  
4304751549 GMBU B-2-9-17  
4304751550 GMBU J-2-9-17  
4304751551 GMBU C-2-9-17  
4301350673 GMBU S-2-9-15  
4301350674 GMBU V-2-9-15  
4301350690 GMBU J-32-8-17

On existing pad, requiring no new surface disturbance. Arch and paleo not required.  
4304751553 GMBU D-2-9-17

-Jim Davis

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

|  |   |       |  |  |
|--|---|-------|--|--|
| Well Name                                | NEWFIELD PRODUCTION COMPANY GMBU O-32-8-17 4301 |       |  |  |
| String                                   | Surf  | Prod  |  |  |
| Casing Size(")                           | 8.625   | 5.500 |  |  |
| Setting Depth (TVD)                      | 300   | 6290  |  |  |
| Previous Shoe Setting Depth (TVD)        | 0   | 300   |  |  |
| Max Mud Weight (ppg)                     | 8.3   | 8.4   |  |  |
| BOPE Proposed (psi)                      | 500   | 2000  |  |  |
| Casing Internal Yield (psi)              | 2950  | 4810  |  |  |
| Operators Max Anticipated Pressure (psi) | 2724  | 8.3   |  |  |

|   |  |       |  |
|---|--|-------|--|
| Calculations                                  | Surf String  | 8.625 | "  |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 129   |  |
|   |  |       | <b>BOPE Adequate For Drilling And Setting Casing at Depth?</b> |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 93    | YES <input type="checkbox"/> air drill                         |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 63    | YES <input type="checkbox"/> OK                                |
|   |  |       | <b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 63    | NO <input type="checkbox"/> OK                                 |
| Required Casing/BOPE Test Pressure=           |  | 300   | psi  |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 0     | psi *Assumes 1psi/ft frac gradient                             |

|   |  |       |  |
|---|--|-------|--|
| Calculations                                  | Prod String  | 5.500 | "  |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 2747  |  |
|   |  |       | <b>BOPE Adequate For Drilling And Setting Casing at Depth?</b> |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 1992  | YES <input type="checkbox"/>                                   |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 1363  | YES <input type="checkbox"/> OK                                |
|   |  |       | <b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 1429  | NO <input type="checkbox"/> Reasonable for area                |
| Required Casing/BOPE Test Pressure=           |  | 2000  | psi  |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 300   | psi *Assumes 1psi/ft frac gradient                             |

|   |  |  |  |
|---|--|--|--|
| Calculations                                  | String   |  | "  |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             |  |  |
|   |  |  | <b>BOPE Adequate For Drilling And Setting Casing at Depth?</b> |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      |  | NO <input type="checkbox"/>                                    |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      |  | NO <input type="checkbox"/>                                    |
|   |  |  | <b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= |  | NO <input type="checkbox"/>                                    |
| Required Casing/BOPE Test Pressure=           |  |  | psi  |
| *Max Pressure Allowed @ Previous Casing Shoe= |  |  | psi *Assumes 1psi/ft frac gradient                             |

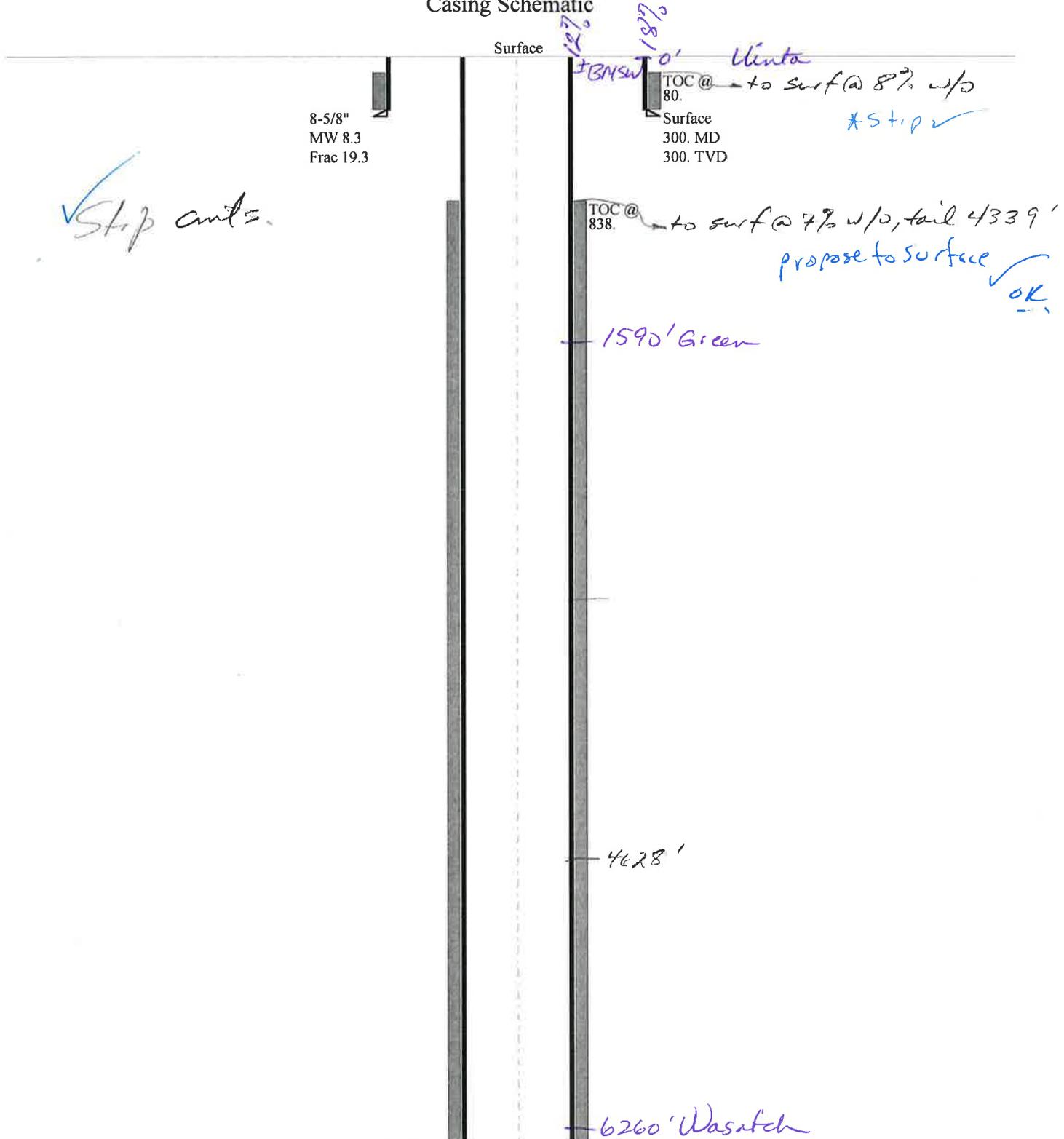
|                                     |  |  |  |
|-------------------------------------|--|--|--|
| Calculations                        | String   |  | "  |
| Max BHP (psi)                       | .052*Setting Depth*MW=                             |  |  |
|                                     |  |  | <b>BOPE Adequate For Drilling And Setting Casing at Depth?</b> |
| MASP (Gas) (psi)                    | Max BHP-(0.12*Setting Depth)=                      |  | NO <input type="checkbox"/>                                    |
| MASP (Gas/Mud) (psi)                | Max BHP-(0.22*Setting Depth)=                      |  | NO <input type="checkbox"/>                                    |
|                                     |  |  | <b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>   |
| Pressure At Previous Shoe           | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= |  | NO <input type="checkbox"/>                                    |
| Required Casing/BOPE Test Pressure= |  |  | psi  |

API Well Number: 43013506580000

|   |                      |                                    |
|---|----------------------|------------------------------------|
| *Max Pressure Allowed @ Previous Casing Shoe= | <input type="text"/> | psi *Assumes 1psi/ft frac gradient |
|---|----------------------|------------------------------------|

# 43013506580000 GMBU O-32-8-17

## Casing Schematic



✓ Stip conts.

8-5/8"  
MW 8.3  
Frac 19.3

TOC @ 80. to surf @ 8% w/p  
Surface  
300. MD  
300. TVD  
\*Stip ✓

TOC @ 838. to surf @ 7% w/p, tail 4339'  
propose to surface ✓  
OK.

1590' Green

4628'

6260' Wasatch

5-1/2"  
MW 8.4

Production  
6364 MD  
6290. TVD

|         |
|---------|
| 1923 NL |
| 785     |
| 2708    |
| 5295    |

|        |
|--------|
| 555 WL |
| 443    |

112 FWL ✓ OK.

2587 FSL ✓

NW SW sec 32-85-17E

|              |                                      |                             |
|--------------|--------------------------------------|-----------------------------|
| Well name:   | <b>43013506580000 GMBU O-32-8-17</b> |                             |
| Operator:    | <b>NEWFIELD PRODUCTION COMPANY</b>   |                             |
| String type: | Surface                              | Project ID:<br>43-013-50658 |
| Location:    | DUCHESNE COUNTY                      |                             |

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 78 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft  
Cement top: 80 ft

**Burst**

Max anticipated surface pressure: 264 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 300 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 262 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 6,290 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,745 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure: 300 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 300                 | 8.625                   | 24.00                   | J-55             | ST&C                 | 300                  | 300                 | 7.972                   | 1544                  |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 130                 | 1370                    | 10.557                  | 300              | 2950                 | 9.83                 | 7.2                 | 244                     | 33.90 J               |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: May 23, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

|              |                               |             |              |
|--------------|-------------------------------|-------------|--------------|
| Well name:   | 43013506580000 GMBU O-32-8-17 |             |              |
| Operator:    | NEWFIELD PRODUCTION COMPANY   |             |              |
| String type: | Production                    | Project ID: | 43-013-50658 |
| Location:    | DUCHESNE COUNTY               |             |              |

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 162 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 831 ft

**Burst**

Max anticipated surface pressure: 1,361 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 2,745 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

**Directional well information:**

Kick-off point 600 ft  
 Departure at shoe: 901 ft  
 Maximum dogleg: 1.5 °/100ft  
 Inclination at shoe: 9.52 °

Tension is based on air weight.  
 Neutral point: 5,553 ft

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 6364                | 5.5                     | 15.50                   | J-55             | LT&C                 | 6290                 | 6364                | 4.825                   | 22471                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 2745                | 4040                    | 1.472                   | 2745             | 4810                 | 1.75                 | 97.5                | 217                     | 2.23 J                |

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: June 6, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6290 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** GMBU O-32-8-17  
**API Number** 43013506580000      **APD No** 3581      **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4** SWNW      **Sec** 32      **Tw** 8.0S      **Rng** 17.0E      1923 FNL 555 FWL  
**GPS Coord (UTM)** 582099 4436476      **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield), Jim Davis (SITLA) and Ben Williams (UDWR).

### Regional/Local Setting & Topography

The proposed GMBU O-32-8-17 oil well will be directional drilled from the existing pad of the existing State 5-32-8-17 injection well. The area is designated for 20 acre spacing. No changes will be made to the existing pad. Runoff concerns exist from the surrounding area to the west onto the pad. A diversion should be constructed beginning south of corner 1 extending south around the pad then to the east. Also the two existing stock piles on the west should be joined to serve as a berm stopping the flow onto the pad in this area. A reserve pit will be re-dug in approximately the previous location. Produced oil will be piped to another site.

A field review of the existing pad showed no stability concerns as it now exists. With the above water flow controls, it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface and the minerals.

### Surface Use Plan

**Current Surface Use**  
Existing Well Pad

| New Road Miles | Well Pad        | Src Const Material | Surface Formation |
|----------------|-----------------|--------------------|-------------------|
|                | Width    Length |                    |                   |
| 0              |                 |                    |                   |

**Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**  
Existing pad

**Soil Type and Characteristics**

**Erosion Issues** Y  
Runoff concerns exist from the surrounding area to the west onto the pad.

**Sedimentation Issues** Y  
Runoff concerns exist from the surrounding area to the west onto the pad.

**Site Stability Issues** N

**Drainage Diversion Required? Y**

A diversion should be constructed beginning south of corner 1 extending south around the pad then to the east. Also the two existing stock piles on the west should be joined to serve as a berm stopping the flow onto the pad in this area.

**Berm Required? Y**

**Erosion Sedimentation Control Required? Y**

A diversion should be constructed beginning south of corner 1 extending south around the pad then to the east. Also the two existing stock piles on the west should be joined to serve as a berm stopping the flow onto the pad in this area.

**Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N**

**Reserve Pit**

| <b>Site-Specific Factors</b>             |                    | <b>Site Ranking</b> |                     |
|--|--------------------|---------------------|---------------------|
| <b>Distance to Groundwater (feet)</b>    | 100 to 200         | 5                   |                     |
| <b>Distance to Surface Water (feet)</b>  | >1000              | 0                   |                     |
| <b>Dist. Nearest Municipal Well (ft)</b> | >5280              | 0                   |                     |
| <b>Distance to Other Wells (feet)</b>    |                    | 20                  |                     |
| <b>Native Soil Type</b>                  | Mod permeability   | 10                  |                     |
| <b>Fluid Type</b>                        | Fresh Water        | 5                   |                     |
| <b>Drill Cuttings</b>                    | Normal Rock        | 0                   |                     |
| <b>Annual Precipitation (inches)</b>     |                    | 0                   |                     |
| <b>Affected Populations</b>              |                    |                     |                     |
| <b>Presence Nearby Utility Conduits</b>  | Not Present        | 0                   |                     |
|  | <b>Final Score</b> | 40                  | 1 Sensitivity Level |

**Characteristics / Requirements**

A reserve pit will be re-dug in the original location on the east side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

4/6/2011  
**Date / Time**

# Application for Permit to Drill Statement of Basis

6/7/2011

## Utah Division of Oil, Gas and Mining

Page 1

|                  |                                   |                     |                          |                   |            |
|------------------|-----------------------------------|---------------------|--------------------------|-------------------|------------|
| <b>APD No</b>    | <b>API WellNo</b>                 | <b>Status</b>       | <b>Well Type</b>         | <b>Surf Owner</b> | <b>CBM</b> |
| 3581             | 43013506580000                    | LOCKED              | OW                       | S                 | No         |
| <b>Operator</b>  | NEWFIELD PRODUCTION COMPANY       |                     | <b>Surface Owner-APD</b> |                   |            |
| <b>Well Name</b> | GMBU O-32-8-17                    | <b>Unit</b>         |                          | GMBU (GRRV)       |            |
| <b>Field</b>     | MONUMENT BUTTE                    | <b>Type of Work</b> |                          | DRILL             |            |
| <b>Location</b>  | SWNW 32 8S 17E S 1923 FNL 555 FWL |                     | GPS Coord (UTM)          | 582106E           | 4436475N   |

### Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at or near the surface. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32. No depth is listed for this well. The well is owned by the BLM and its listed use is for stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill  
**APD Evaluator**

4/28/2011  
**Date / Time**

### Surface Statement of Basis

The proposed GMBU O-32-8-17 oil well will be directional drilled from the existing pad of the existing State 5-32-8-17 injection well. The area is designated for 20 acre spacing. No changes will be made to the existing pad. Runoff concerns exist from the surrounding area to the west onto the pad. A diversion should be constructed beginning south of corner 1 extending south around the pad then to the east. Also the two existing stock piles on the west should be joined to serve as a berm stopping the flow onto the pad in this area. A reserve pit will be re-dug in approximately the previous location. Produced oil will be piped to another site.

A field review of the existing pad showed no stability concerns as it now exists. With the above water flow controls, it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface and the minerals. Mr. Jim Davis of SITLA attended the evaluation and agreed with the erosion control measures. Mr. Ben Williams of the UDWR also attended and had no recommendations for wildlife.

Floyd Bartlett  
**Onsite Evaluator**

4/6/2011  
**Date / Time**

### Conditions of Approval / Application for Permit to Drill

| Category | Condition   |
|----------|---|
| Pits     | A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit. |
| Surface  | The well site shall be bermed to prevent fluids from leaving the pad.   |
| Surface  | Drainages adjacent to the proposed pad shall be diverted around the location.   |
| Surface  | The reserve pit shall be fenced upon completion of drilling operations.   |

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 3/24/2011**API NO. ASSIGNED:** 43013506580000**WELL NAME:** GMBU O-32-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SWNW 32 080S 170E**Permit Tech Review:** **SURFACE:** 1923 FNL 0555 FWL**Engineering Review:** **BOTTOM:** 2595 FSL 0100 FWL**Geology Review:** **COUNTY:** DUCHESNE**LATITUDE:** 40.07643**LONGITUDE:** -110.03708**UTM SURF EASTINGS:** 582106.00**NORTHINGS:** 4436475.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-22060**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** STATE - B001834
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 437478
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

**Commingle Approved****LOCATION AND SITING:**

- R649-2-3.**
- Unit:** GMBU (GRRV)
- R649-3-2. General**
- R649-3-3. Exception**
- Drilling Unit**
- Board Cause No:** Cause 213-11
- Effective Date:** 11/30/2009
- Siting:** Suspends General Siting
- R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
 8 - Cement to Surface -- 2 strings - ddoucet  
 15 - Directional - dmason  
 27 - Other - bhill



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

### Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU O-32-8-17  
**API Well Number:** 43013506580000  
**Lease Number:** ML-22060  
**Surface Owner:** STATE  
**Approval Date:** 6/7/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**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.

**Conditions of Approval:**

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.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface as indicated in the submitted drilling plan.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet

- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# 29 Submitted By Britt Stubbs Phone Number 435-823-0096  
Well Name/Number GMBU 0-32-8-17  
Qtr/Qtr SW/NW Section 32 Township T8S Range R17E  
Lease Serial Number ML-22060  
API Number 43-013-50658

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

Date/Time 6-22-11      9:00 AM  PM

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

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

Date/Time 6-22-11      3:00 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

Remarks \_\_\_\_\_

---

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE ML-22060

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

GMBU

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:

GMBU O-32-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301350658

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:

GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1923 FNL 0555 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 32, T8S, 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><br>Approximate date work will<br>_____                      | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION   |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL        |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br>06/28/2011 | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARITLY ABANDON            |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                   |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLAIR                   |
|  | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                  |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/STOP)          | <input type="checkbox"/> WATER SHUT-OFF                  |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: - Spud Notice |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

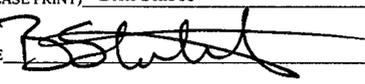
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/22/11 MIRU Ross #29. Spud well @9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 311.42. On 6/27/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8.5 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Britt Stubbs

TITLE Spud Rig Foreman

SIGNATURE



DATE 06/28/2011

(This space for State use only)

**RECEIVED**  
**JUL 06 2011**  
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   |           |                |
| B   | 99999              | 17400 ✓        | 4301350538 | GMBU S-10-9-16 | SWSE          | 10 | 9S | 16E | DUCHESNE | 7/16/2011 | 7/21/11        |
| WELL 1 COMMENTS:<br><i>GRRV</i> <i>BHL = NESE</i> |                    |                |            |                |               |    |    |     |          |           |                |
| B   | 99999              | 17400 ✓        | 4301350658 | GMBU O-32-8-17 | SWNE          | 32 | 8S | 17E | DUCHESNE | 6/22/2011 | 7/21/11        |
| WELL 1 COMMENTS:<br><i>GRRV</i> <i>BHL = NWSW</i> |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |
|   |                    |                |            |                |               |    |    |     |          |           |                |

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

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*[Signature]*  
 Signature  
 Production Clerk  
 Jentri Park  
 07/07/11

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

|  |   |  |
|--|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-22060   |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>   |
|  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)  |
| <b>1. TYPE OF WELL</b><br>Oil Well   | <b>8. WELL NAME and NUMBER:</b><br>GMBU O-32-8-17   |  |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   | <b>9. API NUMBER:</b><br>43013506580000   |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   | <b>PHONE NUMBER:</b><br>435 646-4825 Ext  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE   |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1923 FNL 0555 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWNW Section: 32 Township: 08.0S Range: 17.0E Meridian: S                                      | <b>COUNTY:</b><br>DUCHESNE  |  |
|  |   | <b>STATE:</b><br>UTAH  |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |  |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>   |  |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:   | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>7/20/2011   |   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  |   | <input type="checkbox"/> OTHER: <input type="text" value="Weekly Status Report"/>  |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   |   |  |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.   |   |  |
| The above well was completed on 07/20/2011. Attached is a daily completion status report.  |   |  |
| <p><b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining<br/>FOR RECORD ONLY</b></p>   |   |  |
| <b>NAME (PLEASE PRINT)</b><br>Jennifer Peatross  | <b>PHONE NUMBER</b><br>435 646-4885   | <b>TITLE</b><br>Production Technician  |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>8/12/2011  |  |

## Daily Activity Report

Format For Sundry

**GMBU O-32-8-17**

**5/1/2011 To 9/30/2011**

**7/11/2011 Day: 1**

**Completion**

Rigless on 7/11/2011 - Ran CBL and perforated 1st stage. SIWFN w/ 151 BWTR. - NU Cameron BOP's. RU Hot oiler & test casing, WH head, Casing valves & BOP to 4500 psi. RU WLT w/ mast & pack off tool. Run CBL under pressure. WLTD was 6306' w/ TOC @ 98'. RIH w/ 3 1/8" ported guns & perforate CP5 sds @ 6127- 31' & CP3 sds @ 5971- 73' (11 gram, .36"EH, 16.82¢ pen. 120°) 3 spf for total of 18 shots. RD WLT & Hot Oiler. SIWFN w/151 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$17,875

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**7/12/2011 Day: 2**

**Completion**

Rigless on 7/12/2011 - Frac 1 stages. Stage #2 wouldn't break down. - RU BH Services. RU PSI WLT. Frac Stage #1 CP5/3. RIH w/ WLT & Set plug & perforate stage #2. 2nd stage wont break down. Leave set overnight.

**Daily Cost:** \$0

**Cumulative Cost:** \$35,375

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**7/13/2011 Day: 3**

**Completion**

Rigless on 7/13/2011 - Finish frac stages 3, 4 & 5. Flow well back. MIRUSU. - RU BH. Frac stage #2. RIH w/ WLT. Perferate & frac stages 3, 4 & 5. Flow well back. Well flowed 1.5 hours & rec'd 150 bbls. SIFN w/ 2501 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$153,397

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**7/14/2011 Day: 4**

**Completion**

Nabors #147 on 7/14/2011 - Unload tbg. PU tbg. TIH to tag sand. Drlg plugs. - Open well w/ 0 psi on casing. Tally, drift & pickup new J-55, 2-7/8", 6.5#, 8EUE tbg & TIH. Tag fill @ 4705'. RU swivel, pump & tanks. C/O to plug @ 5020'. Drlg out plug in 30 min. TIH w/ tbg to tag sand @ 5065'. C/O to plug @ 5183'. Drlg out plug in 25 min. Plugged mill off so had to reverse circulate well clean. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$198,624

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**7/15/2011 Day: 5**

**Completion**

Nabors #147 on 7/15/2011 - Drlg plugs. C/O to PBTD. Swab well. - Open well w/ 0 psi on casing. TIH w/ tbg to tag fill @ 5520'. C/O to plug @ 5550'. Drlg out plug #3. TIH w/ tbg to tag fill @ 5929'. C/O to plug @ 5930'. Drlg out plug #4. TIH w/ tbg to tag fill @ 6280'. C/O to PBTD @ 6334'. LD 4 jts tbg. RU swab equipment. Made 20 runs to rec'd 165 bbls fluid. FFL was 3000'. Last run showed trace of oil w/ no sand. SIFN w/ 2375 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$205,447

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**7/18/2011 Day: 6****Completion**

Nabors #147 on 7/18/2011 - TOOH w/ tbg. RIH w/ production. - open well w/ 50 psi on casing. TIH w/ tbg to tag 9' new sand. C/O to PBSD @ 6334'. TOOH w/ tbg. LD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear, 194 jts tbg. RD BOP's. Set TA @ 6097' w/ 18,000#'s tension, w/ SN @ 6131' & EOT @ 6196'. Pickup & prime pump. RIH w/ new Cntrl Hydrlic 2-1/2" x 1-3/4" x 21' x 24' RHAC pump w/ 225"SL, 4- 1-1/2" Weight rods, 160- 7/8" guided 8per rods, 1-1/2" x 30' polish rod.

**Daily Cost:** \$0**Cumulative Cost:** \$212,293

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**7/20/2011 Day: 7****Completion**

Nabors #147 on 7/20/2011 - RIH w/ rods. Put well on pump. - Open well w/ 0 psi on casing. Continue RIH w/ 239 7/8" guided 8per, 2', 6', 8' x 7/8" pony rods, 1-1/2" x 30' spray metal polish rod. Space pump. Test tbg & pump to 800 psi w/ 5 bbls w/ unit. POP @ 12PM w/ 144"SL @ 4.5 spm w/ 2001 bbls EWTR. Left unit down due to surface equipment. Final Report. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$279,973

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**Pertinent Files: [Go to File List](#)****RECEIVED** Aug. 12, 2011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202 3a. Phone No. (include area code) (435) 646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface 1923' FNL & 555' FWL (SW/NW) SEC. 32, T8S, R17E (ML-22060) *But reviewed by HSM*

At top prod. interval reported below 2510' FNL & 224' FWL (SW/NW) SEC. 32, T8S, R17E (ML-22060)  
 At total depth 2571' FSL & 108' FWL (NW/SW) SEC. 32, T8S, R17E (ML-22060)

14. Date Spudded 06/22/2011 15. Date T.D. Reached 07/05/2011 16. Date Completed 07/19/2011  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* 5269' GL 5281' KB  
 18. Total Depth: MD ~~6260'~~ *6363'* TVD ~~6363'~~ *6280'* 19. Plug Back T.D.: MD 6334' TVD *6259'* 20. Depth Bridge Plug Set: MD TVD

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

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

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

| Hole Size | Size/Grade  | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8" J-55 | 24#         | 0        | 310'        |                      | 160 CLASS G                  |                   |             |               |
| 7-7/8"    | 5-1/2" J-55 | 15.5#       | 0        | 6363'       |                      | 285 PRIMLITE                 |                   | 98'         |               |
|           |             |             |          |             |                      | 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@ 6195'     | TA @ 6097'        |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top   | Bottom | Perforation Interval | Size | No. Holes | Perf. Status |
|----------------|-------|--------|----------------------|------|-----------|--------------|
| A) Green River | 4848' | 6131'  | 5971-6131'           | .36" | 18        |              |
| B)             |       |        | 4848-5873'           | .34" | 105       |              |
| C)             |       |        |                      |      |           |              |
| D)             |       |        |                      |      |           |              |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 4848-6131'     | Frac w/ 251574#s 20/40 sand in 1224 bbls of Lightning 17 fluid in 5 stages. |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method                     |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------------------|
| 7/22/11             | 8/16/11              | 24           | →               | 65      | 25      | 37        |                       |             | 2-1/2" x 1-3/4" x 21' x 24' RHAC Pump |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                                       |
|                     |                      |              | →               |         |         |           |                       | PRODUCING   |                                       |

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD AND 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 |
| GREEN RIVER | 4848' | 6131'  |                              | GARDEN GULCH MRK  | 3903'       |
|             |       |        |                              | GARDEN GULCH 1    | 4100'       |
|             |       |        |                              | GARDEN GULCH 2    | 4213'       |
|             |       |        |                              | POINT 3           | 4487'       |
|             |       |        |                              | X MRKR            | 4724'       |
|             |       |        |                              | Y MRKR            | 4756'       |
|             |       |        |                              | DOUGLAS CREEK MRK | 4886'       |
|             |       |        |                              | BI CARBONATE MRK  | 5121'       |
|             |       |        |                              | B LIMESTON MRK    | 5252'       |
|             |       |        |                              | CASTLE PEAK       | 5746'       |
|             |       |        |                              | BASAL CARBONATE   | 6181'       |
|             |       |        |                              | WASATCH           | 6308'       |

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) Jennifer Peatross Title Production Technician  
 Signature *Jennifer Peatross* Date 08/24/2011

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

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 32 T8S, R17E  
O-32-8-17**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**05 July, 2011**



|                  |                      |                                     |  |
|------------------|----------------------|-------------------------------------|--|
| <b>Company:</b>  | NEWFIELD EXPLORATION | <b>Local Co-ordinate Reference:</b> | Well O-32-8-17                         |
| <b>Project:</b>  | USGS Myton SW (UT)   | <b>TVD Reference:</b>               | O-32-8-17 @ 5281.0ft (Newfield Rig #2) |
| <b>Site:</b>     | SECTION 32 T8S, R17E | <b>MD Reference:</b>                | O-32-8-17 @ 5281.0ft (Newfield Rig #2) |
| <b>Well:</b>     | O-32-8-17            | <b>North Reference:</b>             | True                                   |
| <b>Wellbore:</b> | Wellbore #1          | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Actual               | <b>Database:</b>                    | EDM 2003.21 Single User Db             |

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

|                              |  |                     |                 |                          |                  |
|------------------------------|--|---------------------|-----------------|--------------------------|------------------|
| <b>Site</b>                  | SECTION 32 T8S, R17E, SEC 32 T8S, R17E |                     |                 |                          |                  |
| <b>Site Position:</b>        |  | <b>Northing:</b>    | 7,199,243.00 ft | <b>Latitude:</b>         | 40° 4' 28.149 N  |
| <b>From:</b>                 | Lat/Long                               | <b>Easting:</b>     | 2,052,198.00 ft | <b>Longitude:</b>        | 110° 1' 42.260 W |
| <b>Position Uncertainty:</b> | 0.0 ft                                 | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> | 0.94 °           |

|                             |   |        |                            |                 |                      |                  |
|-----------------------------|---|--------|----------------------------|-----------------|----------------------|------------------|
| <b>Well</b>                 | O-32-8-17, SHL LAT: 40 04 35.00 LONG: -110 02 16.34 |        |                            |                 |                      |                  |
| <b>Well Position</b>        | <b>+N-S</b>   | 0.0 ft | <b>Northing:</b>           | 7,199,892.61 ft | <b>Latitude:</b>     | 40° 4' 35.000 N  |
|                             | <b>+E-W</b>   | 0.0 ft | <b>Easting:</b>            | 2,049,537.96 ft | <b>Longitude:</b>    | 110° 2' 16.340 W |
| <b>Position Uncertainty</b> |   | 0.0 ft | <b>Wellhead Elevation:</b> | 5,281.0 ft      | <b>Ground Level:</b> | 5,269.0 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 2011/03/15         | 11.34                  | 65.83                | 52,318                     |

|                          |                              |                  |                  |                      |     |
|--------------------------|------------------------------|------------------|------------------|----------------------|-----|
| <b>Design</b>            | Actual                       |                  |                  |                      |     |
| <b>Audit Notes:</b>      |                              |                  |                  |                      |     |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>    | ACTUAL           | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N-S (ft)</b> | <b>+E-W (ft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                          | 0.0              | 0.0              | 209.44               |     |

|                       |                |                          |                  |                    |  |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 2011/07/05               |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 361.0                 | 6,363.0        | 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                |
| 361.0               | 0.62            | 287.00      | 361.0               | 0.6       | -1.9      | 0.4                   | 0.17                  | 0.17                 | 0.00                |
| 392.0               | 0.70            | 287.90      | 392.0               | 0.7       | -2.2      | 0.5                   | 0.26                  | 0.26                 | 2.90                |
| 423.0               | 0.70            | 299.00      | 423.0               | 0.8       | -2.6      | 0.5                   | 0.44                  | 0.00                 | 35.81               |
| 454.0               | 0.60            | 294.80      | 454.0               | 1.0       | -2.9      | 0.5                   | 0.36                  | -0.32                | -13.55              |
| 484.0               | 0.60            | 294.00      | 484.0               | 1.1       | -3.2      | 0.6                   | 0.03                  | 0.00                 | -2.67               |
| 515.0               | 0.50            | 288.70      | 515.0               | 1.2       | -3.4      | 0.6                   | 0.36                  | -0.32                | -17.10              |
| 545.0               | 0.50            | 269.30      | 545.0               | 1.3       | -3.7      | 0.7                   | 0.56                  | 0.00                 | -64.67              |
| 576.0               | 0.50            | 249.00      | 576.0               | 1.2       | -3.9      | 0.9                   | 0.57                  | 0.00                 | -65.48              |
| 606.0               | 0.70            | 225.30      | 606.0               | 1.0       | -4.2      | 1.2                   | 1.05                  | 0.67                 | -79.00              |
| 636.0               | 1.00            | 208.00      | 636.0               | 0.7       | -4.5      | 1.6                   | 1.31                  | 1.00                 | -57.67              |
| 667.0               | 1.20            | 202.70      | 667.0               | 0.1       | -4.7      | 2.2                   | 0.72                  | 0.65                 | -17.10              |
| 697.0               | 1.60            | 201.30      | 697.0               | -0.5      | -5.0      | 2.9                   | 1.34                  | 1.33                 | -4.67               |



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8S, R17E  
 Well: O-32-8-17  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well O-32-8-17  
 TVD Reference: O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
 MD Reference: O-32-8-17 @ 5281.0ft (Newfield 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 728.0               | 2.00            | 201.80      | 727.9               | -1.4       | -5.3       | 3.9                   | 1.29                  | 1.29                 | 1.61                |
| 758.0               | 2.40            | 204.90      | 757.9               | -2.5       | -5.8       | 5.0                   | 1.39                  | 1.33                 | 10.33               |
| 788.0               | 2.80            | 207.30      | 787.9               | -3.7       | -6.4       | 6.4                   | 1.38                  | 1.33                 | 8.00                |
| 819.0               | 3.20            | 208.60      | 818.9               | -5.2       | -7.2       | 8.0                   | 1.31                  | 1.29                 | 4.19                |
| 849.0               | 3.60            | 208.40      | 848.8               | -6.7       | -8.0       | 9.8                   | 1.33                  | 1.33                 | -0.67               |
| 881.0               | 4.00            | 210.10      | 880.7               | -8.6       | -9.0       | 11.9                  | 1.30                  | 1.25                 | 5.31                |
| 913.0               | 4.40            | 211.20      | 912.6               | -10.6      | -10.2      | 14.2                  | 1.28                  | 1.25                 | 3.44                |
| 944.0               | 4.80            | 211.20      | 943.5               | -12.7      | -11.5      | 16.7                  | 1.29                  | 1.29                 | 0.00                |
| 975.0               | 5.30            | 211.40      | 974.4               | -15.0      | -12.9      | 19.5                  | 1.61                  | 1.61                 | 0.65                |
| 1,007.0             | 5.60            | 210.50      | 1,006.3             | -17.6      | -14.5      | 22.5                  | 0.97                  | 0.94                 | -2.81               |
| 1,039.0             | 6.20            | 209.60      | 1,038.1             | -20.5      | -16.2      | 25.8                  | 1.90                  | 1.88                 | -2.81               |
| 1,070.0             | 6.70            | 208.40      | 1,068.9             | -23.5      | -17.8      | 29.3                  | 1.67                  | 1.61                 | -3.87               |
| 1,102.0             | 7.10            | 207.70      | 1,100.7             | -26.9      | -19.6      | 33.1                  | 1.28                  | 1.25                 | -2.19               |
| 1,134.0             | 7.50            | 207.80      | 1,132.4             | -30.5      | -21.5      | 37.2                  | 1.25                  | 1.25                 | 0.31                |
| 1,165.0             | 7.80            | 207.90      | 1,163.1             | -34.2      | -23.5      | 41.3                  | 0.97                  | 0.97                 | 0.32                |
| 1,197.0             | 8.30            | 208.60      | 1,194.8             | -38.1      | -25.6      | 45.8                  | 1.59                  | 1.56                 | 2.19                |
| 1,229.0             | 8.70            | 208.50      | 1,226.5             | -42.3      | -27.9      | 50.5                  | 1.25                  | 1.25                 | -0.31               |
| 1,261.0             | 9.00            | 208.30      | 1,258.1             | -46.6      | -30.2      | 55.4                  | 0.94                  | 0.94                 | -0.63               |
| 1,292.0             | 9.50            | 207.70      | 1,288.7             | -51.0      | -32.5      | 60.4                  | 1.64                  | 1.61                 | -1.94               |
| 1,324.0             | 9.80            | 207.80      | 1,320.2             | -55.8      | -35.0      | 65.8                  | 0.94                  | 0.94                 | 0.31                |
| 1,356.0             | 10.20           | 207.90      | 1,351.8             | -60.7      | -37.6      | 71.3                  | 1.25                  | 1.25                 | 0.31                |
| 1,387.0             | 10.40           | 208.35      | 1,382.3             | -65.6      | -40.2      | 76.9                  | 0.70                  | 0.65                 | 1.45                |
| 1,419.0             | 10.55           | 208.00      | 1,413.7             | -70.7      | -43.0      | 82.7                  | 0.51                  | 0.47                 | -1.09               |
| 1,451.0             | 10.81           | 208.26      | 1,445.2             | -75.9      | -45.8      | 88.6                  | 0.83                  | 0.81                 | 0.81                |
| 1,483.0             | 10.90           | 207.82      | 1,476.6             | -81.2      | -48.6      | 94.6                  | 0.38                  | 0.28                 | -1.38               |
| 1,514.0             | 10.90           | 207.30      | 1,507.0             | -86.4      | -51.3      | 100.5                 | 0.32                  | 0.00                 | -1.68               |
| 1,546.0             | 11.21           | 207.20      | 1,538.4             | -91.9      | -54.1      | 106.6                 | 0.97                  | 0.97                 | -0.31               |
| 1,578.0             | 11.43           | 209.14      | 1,569.8             | -97.4      | -57.1      | 112.9                 | 1.37                  | 0.69                 | 6.06                |
| 1,610.0             | 11.60           | 209.30      | 1,601.2             | -103.0     | -60.2      | 119.3                 | 0.54                  | 0.53                 | 0.50                |
| 1,641.0             | 11.60           | 209.10      | 1,631.5             | -108.4     | -63.3      | 125.5                 | 0.13                  | 0.00                 | -0.65               |
| 1,673.0             | 11.60           | 209.00      | 1,662.9             | -114.1     | -66.4      | 132.0                 | 0.06                  | 0.00                 | -0.31               |
| 1,704.0             | 11.60           | 210.10      | 1,693.3             | -119.5     | -69.5      | 138.2                 | 0.71                  | 0.00                 | 3.55                |
| 1,736.0             | 11.40           | 209.80      | 1,724.6             | -125.0     | -72.6      | 144.6                 | 0.65                  | -0.63                | -0.94               |
| 1,768.0             | 11.16           | 208.79      | 1,756.0             | -130.5     | -75.7      | 150.8                 | 0.97                  | -0.75                | -3.16               |
| 1,800.0             | 10.98           | 210.62      | 1,787.4             | -135.8     | -78.7      | 157.0                 | 1.23                  | -0.56                | 5.72                |
| 1,831.0             | 10.81           | 208.57      | 1,817.8             | -140.9     | -81.6      | 162.8                 | 1.36                  | -0.55                | -6.61               |
| 1,863.0             | 10.80           | 208.30      | 1,849.3             | -146.2     | -84.5      | 168.8                 | 0.16                  | -0.03                | -0.84               |
| 1,895.0             | 10.68           | 207.56      | 1,880.7             | -151.4     | -87.3      | 174.8                 | 0.57                  | -0.38                | -2.31               |
| 1,926.0             | 10.50           | 206.70      | 1,911.2             | -156.5     | -89.9      | 180.5                 | 0.77                  | -0.58                | -2.77               |
| 1,958.0             | 10.15           | 207.91      | 1,942.7             | -161.6     | -92.5      | 186.2                 | 1.29                  | -1.09                | 3.78                |
| 1,990.0             | 9.90            | 208.30      | 1,974.2             | -166.5     | -95.1      | 191.8                 | 0.81                  | -0.78                | 1.22                |
| 2,021.0             | 9.67            | 208.30      | 2,004.7             | -171.2     | -97.6      | 197.1                 | 0.74                  | -0.74                | 0.00                |
| 2,053.0             | 9.60            | 208.20      | 2,036.3             | -175.9     | -100.2     | 202.4                 | 0.22                  | -0.22                | -0.31               |
| 2,084.0             | 9.40            | 207.60      | 2,066.8             | -180.4     | -102.6     | 207.5                 | 0.72                  | -0.65                | -1.94               |
| 2,116.0             | 9.14            | 210.02      | 2,098.4             | -184.9     | -105.1     | 212.7                 | 1.46                  | -0.81                | 7.56                |
| 2,148.0             | 9.20            | 210.80      | 2,130.0             | -189.3     | -107.6     | 217.8                 | 0.43                  | 0.19                 | 2.44                |
| 2,180.0             | 9.50            | 209.10      | 2,161.6             | -193.8     | -110.2     | 223.0                 | 1.27                  | 0.94                 | -5.31               |
| 2,232.0             | 9.67            | 210.85      | 2,212.9             | -201.3     | -114.6     | 231.6                 | 0.65                  | 0.33                 | 3.37                |
| 2,243.0             | 9.60            | 210.30      | 2,223.7             | -202.9     | -115.5     | 233.5                 | 1.05                  | -0.64                | -5.00               |
| 2,275.0             | 9.60            | 209.10      | 2,255.3             | -207.5     | -118.1     | 238.8                 | 0.63                  | 0.00                 | -3.75               |
| 2,306.0             | 9.67            | 209.45      | 2,285.8             | -212.1     | -120.7     | 244.0                 | 0.29                  | 0.23                 | 1.13                |
| 2,338.0             | 9.60            | 208.10      | 2,317.4             | -216.8     | -123.3     | 249.4                 | 0.74                  | -0.22                | -4.22               |
| 2,370.0             | 9.50            | 207.60      | 2,348.9             | -221.5     | -125.7     | 254.7                 | 0.41                  | -0.31                | -1.56               |
| 2,401.0             | 9.40            | 207.70      | 2,379.5             | -226.0     | -128.1     | 259.7                 | 0.33                  | -0.32                | 0.32                |



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8S, R17E  
 Well: O-32-8-17  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well O-32-8-17  
 TVD Reference: O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
 MD Reference: O-32-8-17 @ 5281.0ft (Newfield 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) |
|---------------------|-----------------|-------------|---------------------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------------|
| 2,433.0             | 9.60            | 208.70      | 2,411.1             | -230.6    | -130.6    | 265.0                 | 0.81                  | 0.63                 | 3.13                |
| 2,465.0             | 9.80            | 209.80      | 2,442.6             | -235.3    | -133.2    | 270.4                 | 0.85                  | 0.63                 | 3.44                |
| 2,496.0             | 9.70            | 210.10      | 2,473.2             | -239.9    | -135.8    | 275.7                 | 0.36                  | -0.32                | 0.97                |
| 2,528.0             | 9.50            | 208.90      | 2,504.7             | -244.5    | -138.5    | 281.0                 | 0.88                  | -0.63                | -3.75               |
| 2,560.0             | 9.70            | 208.70      | 2,536.3             | -249.2    | -141.0    | 286.3                 | 0.63                  | 0.63                 | -0.63               |
| 2,591.0             | 9.80            | 209.80      | 2,566.8             | -253.8    | -143.6    | 291.6                 | 0.68                  | 0.32                 | 3.55                |
| 2,623.0             | 10.00           | 211.30      | 2,598.4             | -258.5    | -146.4    | 297.1                 | 1.02                  | 0.63                 | 4.69                |
| 2,655.0             | 10.10           | 211.00      | 2,629.9             | -263.3    | -149.3    | 302.7                 | 0.35                  | 0.31                 | -0.94               |
| 2,686.0             | 10.20           | 211.50      | 2,660.4             | -268.0    | -152.1    | 308.1                 | 0.43                  | 0.32                 | 1.61                |
| 2,718.0             | 10.10           | 211.10      | 2,691.9             | -272.8    | -155.1    | 313.8                 | 0.38                  | -0.31                | -1.25               |
| 2,750.0             | 10.00           | 210.40      | 2,723.4             | -277.6    | -157.9    | 319.4                 | 0.49                  | -0.31                | -2.19               |
| 2,781.0             | 9.80            | 209.90      | 2,753.9             | -282.2    | -160.6    | 324.7                 | 0.70                  | -0.65                | -1.61               |
| 2,813.0             | 9.40            | 209.00      | 2,785.5             | -286.8    | -163.2    | 330.0                 | 1.34                  | -1.25                | -2.81               |
| 2,845.0             | 9.30            | 209.60      | 2,817.0             | -291.4    | -165.8    | 335.2                 | 0.44                  | -0.31                | 1.88                |
| 2,877.0             | 9.30            | 210.70      | 2,848.6             | -295.8    | -168.4    | 340.4                 | 0.56                  | 0.00                 | 3.44                |
| 2,909.0             | 9.30            | 210.30      | 2,880.2             | -300.3    | -171.0    | 345.6                 | 0.20                  | 0.00                 | -1.25               |
| 2,941.0             | 9.40            | 210.40      | 2,911.8             | -304.8    | -173.6    | 350.8                 | 0.32                  | 0.31                 | 0.31                |
| 2,972.0             | 9.80            | 210.60      | 2,942.3             | -309.2    | -176.2    | 355.9                 | 1.29                  | 1.29                 | 0.65                |
| 3,004.0             | 10.30           | 211.20      | 2,973.9             | -314.0    | -179.1    | 361.5                 | 1.60                  | 1.56                 | 1.88                |
| 3,036.0             | 10.20           | 211.00      | 3,005.3             | -318.9    | -182.0    | 367.2                 | 0.33                  | -0.31                | -0.63               |
| 3,067.0             | 11.10           | 208.30      | 3,035.8             | -323.9    | -184.9    | 372.9                 | 3.32                  | 2.90                 | -8.71               |
| 3,099.0             | 11.30           | 205.20      | 3,067.2             | -329.4    | -187.7    | 379.1                 | 1.98                  | 0.63                 | -9.69               |
| 3,131.0             | 11.20           | 202.20      | 3,098.6             | -335.1    | -190.2    | 385.3                 | 1.86                  | -0.31                | -9.38               |
| 3,163.0             | 11.30           | 203.00      | 3,130.0             | -340.9    | -192.6    | 391.5                 | 0.58                  | 0.31                 | 2.50                |
| 3,194.0             | 11.80           | 201.90      | 3,160.3             | -346.6    | -194.9    | 397.7                 | 1.76                  | 1.61                 | -3.55               |
| 3,226.0             | 11.70           | 202.40      | 3,191.7             | -352.7    | -197.4    | 404.2                 | 0.45                  | -0.31                | 1.56                |
| 3,258.0             | 11.30           | 201.70      | 3,223.0             | -358.6    | -199.8    | 410.5                 | 1.32                  | -1.25                | -2.19               |
| 3,289.0             | 10.70           | 200.00      | 3,253.5             | -364.1    | -201.9    | 416.3                 | 2.20                  | -1.94                | -5.48               |
| 3,321.0             | 10.50           | 201.40      | 3,284.9             | -369.6    | -204.0    | 422.2                 | 1.02                  | -0.63                | 4.38                |
| 3,353.0             | 10.60           | 203.80      | 3,316.4             | -375.0    | -206.2    | 428.0                 | 1.41                  | 0.31                 | 7.50                |
| 3,384.0             | 10.70           | 206.00      | 3,346.8             | -380.2    | -208.6    | 433.7                 | 1.35                  | 0.32                 | 7.10                |
| 3,416.0             | 10.60           | 207.40      | 3,378.3             | -385.5    | -211.3    | 439.6                 | 0.87                  | -0.31                | 4.38                |
| 3,448.0             | 10.80           | 208.70      | 3,409.7             | -390.8    | -214.1    | 445.5                 | 0.98                  | 0.63                 | 4.06                |
| 3,479.0             | 10.60           | 208.60      | 3,440.2             | -395.8    | -216.9    | 451.3                 | 0.65                  | -0.65                | -0.32               |
| 3,511.0             | 10.50           | 208.00      | 3,471.7             | -401.0    | -219.6    | 457.1                 | 0.46                  | -0.31                | -1.88               |
| 3,543.0             | 10.50           | 207.90      | 3,503.1             | -406.1    | -222.4    | 463.0                 | 0.06                  | 0.00                 | -0.31               |
| 3,575.0             | 10.20           | 208.80      | 3,534.6             | -411.2    | -225.1    | 468.7                 | 1.06                  | -0.94                | 2.81                |
| 3,606.0             | 9.90            | 211.30      | 3,565.1             | -415.9    | -227.8    | 474.1                 | 1.71                  | -0.97                | 8.06                |
| 3,638.0             | 9.80            | 212.80      | 3,596.7             | -420.5    | -230.7    | 479.6                 | 0.86                  | -0.31                | 4.69                |
| 3,670.0             | 9.80            | 213.10      | 3,628.2             | -425.1    | -233.7    | 485.0                 | 0.16                  | 0.00                 | 0.94                |
| 3,701.0             | 9.80            | 212.40      | 3,658.7             | -429.5    | -236.5    | 490.3                 | 0.38                  | 0.00                 | -2.26               |
| 3,733.0             | 9.90            | 211.60      | 3,690.3             | -434.2    | -239.4    | 495.8                 | 0.53                  | 0.31                 | -2.50               |
| 3,765.0             | 9.70            | 210.50      | 3,721.8             | -438.8    | -242.2    | 501.2                 | 0.86                  | -0.63                | -3.44               |
| 3,796.0             | 9.40            | 209.80      | 3,752.4             | -443.3    | -244.8    | 506.4                 | 1.04                  | -0.97                | -2.26               |
| 3,828.0             | 9.20            | 208.70      | 3,783.9             | -447.8    | -247.3    | 511.5                 | 0.84                  | -0.63                | -3.44               |
| 3,859.0             | 9.10            | 208.70      | 3,814.5             | -452.1    | -249.7    | 516.5                 | 0.32                  | -0.32                | 0.00                |
| 3,891.0             | 9.10            | 208.70      | 3,846.1             | -456.5    | -252.1    | 521.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,923.0             | 9.00            | 208.10      | 3,877.7             | -461.0    | -254.5    | 526.6                 | 0.43                  | -0.31                | -1.88               |
| 3,954.0             | 8.90            | 209.00      | 3,908.4             | -465.2    | -256.8    | 531.4                 | 0.56                  | -0.32                | 2.90                |
| 3,986.0             | 9.00            | 209.80      | 3,940.0             | -469.5    | -259.3    | 536.4                 | 0.50                  | 0.31                 | 2.50                |
| 4,018.0             | 9.10            | 210.50      | 3,971.6             | -473.9    | -261.8    | 541.4                 | 0.46                  | 0.31                 | 2.19                |
| 4,050.0             | 9.20            | 211.20      | 4,003.2             | -478.3    | -264.4    | 546.5                 | 0.47                  | 0.31                 | 2.19                |
| 4,082.0             | 9.40            | 211.20      | 4,034.8             | -482.7    | -267.1    | 551.6                 | 0.63                  | 0.63                 | 0.00                |
| 4,113.0             | 9.50            | 211.10      | 4,065.3             | -487.0    | -269.7    | 556.7                 | 0.33                  | 0.32                 | -0.32               |

Survey Report

Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8S, R17E  
 Well: O-32-8-17  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well O-32-8-17  
 TVD Reference: O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
 MD Reference: O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

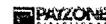
Survey

| 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 4,145.0             | 9.50            | 211.20      | 4,096.9             | -491.6     | -272.5     | 562.0                 | 0.05                  | 0.00                 | 0.31                |
| 4,177.0             | 9.60            | 210.60      | 4,128.5             | -496.1     | -275.2     | 567.3                 | 0.44                  | 0.31                 | -1.88               |
| 4,208.0             | 9.70            | 212.00      | 4,159.0             | -500.6     | -277.9     | 572.5                 | 0.82                  | 0.32                 | 4.52                |
| 4,240.0             | 9.70            | 212.30      | 4,190.6             | -505.1     | -280.8     | 577.9                 | 0.16                  | 0.00                 | 0.94                |
| 4,272.0             | 9.60            | 211.80      | 4,222.1             | -509.7     | -283.6     | 583.3                 | 0.41                  | -0.31                | -1.56               |
| 4,303.0             | 9.67            | 211.20      | 4,252.7             | -514.1     | -286.3     | 588.4                 | 0.39                  | 0.23                 | -1.94               |
| 4,335.0             | 9.60            | 210.60      | 4,284.2             | -518.7     | -289.1     | 593.8                 | 0.38                  | -0.22                | -1.88               |
| 4,367.0             | 9.40            | 210.40      | 4,315.8             | -523.2     | -291.8     | 599.1                 | 0.63                  | -0.63                | -0.63               |
| 4,398.0             | 9.30            | 210.20      | 4,346.4             | -527.6     | -294.3     | 604.1                 | 0.34                  | -0.32                | -0.65               |
| 4,430.0             | 9.30            | 210.40      | 4,377.9             | -532.0     | -296.9     | 609.3                 | 0.10                  | 0.00                 | 0.63                |
| 4,462.0             | 9.30            | 209.50      | 4,409.5             | -536.5     | -299.5     | 614.4                 | 0.45                  | 0.00                 | -2.81               |
| 4,494.0             | 9.20            | 210.30      | 4,441.1             | -541.0     | -302.1     | 619.6                 | 0.51                  | -0.31                | 2.50                |
| 4,526.0             | 9.10            | 209.80      | 4,472.7             | -545.4     | -304.6     | 624.7                 | 0.40                  | -0.31                | -1.56               |
| 4,557.0             | 9.00            | 209.80      | 4,503.3             | -549.6     | -307.0     | 629.6                 | 0.32                  | -0.32                | 0.00                |
| 4,589.0             | 8.90            | 209.30      | 4,534.9             | -554.0     | -309.5     | 634.5                 | 0.40                  | -0.31                | -1.56               |
| 4,621.0             | 9.00            | 209.90      | 4,566.5             | -558.3     | -311.9     | 639.5                 | 0.43                  | 0.31                 | 1.88                |
| 4,653.0             | 9.10            | 211.00      | 4,598.1             | -562.6     | -314.5     | 644.5                 | 0.62                  | 0.31                 | 3.44                |
| 4,684.0             | 9.20            | 212.50      | 4,628.7             | -566.8     | -317.1     | 649.5                 | 0.83                  | 0.32                 | 4.84                |
| 4,716.0             | 9.50            | 213.10      | 4,660.3             | -571.2     | -319.9     | 654.7                 | 0.99                  | 0.94                 | 1.88                |
| 4,747.0             | 9.50            | 213.20      | 4,690.9             | -575.5     | -322.7     | 659.8                 | 0.05                  | 0.00                 | 0.32                |
| 4,779.0             | 9.50            | 212.70      | 4,722.5             | -579.9     | -325.6     | 665.0                 | 0.26                  | 0.00                 | -1.56               |
| 4,811.0             | 9.20            | 211.60      | 4,754.0             | -584.3     | -328.3     | 670.2                 | 1.09                  | -0.94                | -3.44               |
| 4,843.0             | 9.10            | 211.50      | 4,785.6             | -588.6     | -331.0     | 675.3                 | 0.32                  | -0.31                | -0.31               |
| 4,875.0             | 9.20            | 211.60      | 4,817.2             | -593.0     | -333.7     | 680.4                 | 0.32                  | 0.31                 | 0.31                |
| 4,906.0             | 9.40            | 211.60      | 4,847.8             | -597.2     | -336.3     | 685.4                 | 0.65                  | 0.65                 | 0.00                |
| 4,937.0             | 9.40            | 210.50      | 4,878.4             | -601.6     | -338.9     | 690.5                 | 0.58                  | 0.00                 | -3.55               |
| 4,969.0             | 9.50            | 210.60      | 4,910.0             | -606.1     | -341.6     | 695.7                 | 0.32                  | 0.31                 | 0.31                |
| 5,001.0             | 9.50            | 210.00      | 4,941.5             | -610.7     | -344.2     | 701.0                 | 0.31                  | 0.00                 | -1.88               |
| 5,032.0             | 9.20            | 208.60      | 4,972.1             | -615.1     | -346.7     | 706.0                 | 1.21                  | -0.97                | -4.52               |
| 5,064.0             | 9.50            | 209.60      | 5,003.7             | -619.6     | -349.2     | 711.2                 | 1.07                  | 0.94                 | 3.13                |
| 5,095.0             | 9.60            | 211.30      | 5,034.2             | -624.0     | -351.8     | 716.4                 | 0.97                  | 0.32                 | 5.48                |
| 5,127.0             | 9.50            | 211.30      | 5,065.8             | -628.6     | -354.6     | 721.7                 | 0.31                  | -0.31                | 0.00                |
| 5,159.0             | 9.30            | 212.70      | 5,097.4             | -633.0     | -357.4     | 726.9                 | 0.95                  | -0.63                | 4.38                |
| 5,191.0             | 9.10            | 213.30      | 5,129.0             | -637.3     | -360.1     | 732.0                 | 0.69                  | -0.63                | 1.88                |
| 5,222.0             | 8.90            | 214.60      | 5,159.6             | -641.3     | -362.9     | 736.8                 | 0.92                  | -0.65                | 4.19                |
| 5,254.0             | 9.10            | 214.30      | 5,191.2             | -645.4     | -365.7     | 741.8                 | 0.64                  | 0.63                 | -0.94               |
| 5,285.0             | 9.20            | 213.80      | 5,221.8             | -649.5     | -368.4     | 746.7                 | 0.41                  | 0.32                 | -1.61               |
| 5,317.0             | 9.10            | 212.80      | 5,253.4             | -653.8     | -371.2     | 751.8                 | 0.59                  | -0.31                | -3.13               |
| 5,349.0             | 9.20            | 212.60      | 5,285.0             | -658.1     | -374.0     | 756.9                 | 0.33                  | 0.31                 | -0.63               |
| 5,380.0             | 9.30            | 212.80      | 5,315.6             | -662.3     | -376.7     | 761.9                 | 0.34                  | 0.32                 | 0.65                |
| 5,412.0             | 9.30            | 214.60      | 5,347.2             | -666.6     | -379.5     | 767.0                 | 0.91                  | 0.00                 | 5.63                |
| 5,444.0             | 9.30            | 215.30      | 5,378.7             | -670.8     | -382.5     | 772.2                 | 0.35                  | 0.00                 | 2.19                |
| 5,475.0             | 9.20            | 214.20      | 5,409.3             | -674.9     | -385.4     | 777.1                 | 0.66                  | -0.32                | -3.55               |
| 5,507.0             | 8.80            | 210.00      | 5,440.9             | -679.1     | -388.0     | 782.1                 | 2.40                  | -1.25                | -13.13              |
| 5,539.0             | 8.80            | 208.30      | 5,472.6             | -683.4     | -390.4     | 787.0                 | 0.81                  | 0.00                 | -5.31               |
| 5,570.0             | 9.10            | 208.10      | 5,503.2             | -687.6     | -392.7     | 791.9                 | 0.97                  | 0.97                 | -0.65               |
| 5,602.0             | 9.60            | 209.00      | 5,534.8             | -692.2     | -395.2     | 797.1                 | 1.63                  | 1.56                 | 2.81                |
| 5,633.0             | 10.00           | 208.40      | 5,565.3             | -696.8     | -397.7     | 802.3                 | 1.33                  | 1.29                 | -1.94               |
| 5,665.0             | 10.20           | 208.70      | 5,596.8             | -701.8     | -400.4     | 807.9                 | 0.65                  | 0.63                 | 0.94                |
| 5,697.0             | 9.80            | 209.80      | 5,628.3             | -706.6     | -403.1     | 813.5                 | 1.39                  | -1.25                | 3.44                |
| 5,728.0             | 8.96            | 211.51      | 5,658.9             | -711.0     | -405.7     | 818.5                 | 2.85                  | -2.71                | 5.52                |
| 5,761.0             | 8.30            | 212.00      | 5,691.5             | -715.2     | -408.3     | 823.5                 | 2.01                  | -2.00                | 1.48                |
| 5,793.0             | 8.20            | 211.70      | 5,723.2             | -719.1     | -410.7     | 828.1                 | 0.34                  | -0.31                | -0.94               |
| 5,825.0             | 8.30            | 210.50      | 5,754.9             | -723.0     | -413.1     | 832.7                 | 0.62                  | 0.31                 | -3.75               |



# PayZone Directional Services, LLC.

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 32 T8S, R17E  
**Well:** O-32-8-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well O-32-8-17  
**TVD Reference:** O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
**MD Reference:** O-32-8-17 @ 5281.0ft (Newfield Rig #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

| 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) |
|---------------------|-----------------|-------------|-------------------------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,856.0             | 8.30            | 209.60      | 5,785.5                             | -726.9     | -415.3     | 837.1                 | 0.42                  | 0.00                 | -2.90               |
| 5,888.0             | 8.30            | 209.40      | 5,817.2                             | -730.9     | -417.6     | 841.8                 | 0.09                  | 0.00                 | -0.63               |
| 5,920.0             | 8.50            | 209.20      | 5,848.9                             | -735.0     | -419.9     | 846.4                 | 0.63                  | 0.63                 | -0.63               |
| 5,952.0             | 8.50            | 209.40      | 5,880.5                             | -739.1     | -422.2     | 851.2                 | 0.09                  | 0.00                 | 0.63                |
| 5,983.0             | 8.53            | 208.94      | 5,911.2                             | -743.1     | -424.4     | 855.8                 | 0.24                  | 0.10                 | -1.48               |
| 6,015.0             | 8.44            | 208.65      | 5,942.8                             | -747.3     | -426.7     | 860.5                 | 0.31                  | -0.28                | -0.91               |
| 6,047.0             | 8.00            | 208.39      | 5,974.5                             | -751.3     | -428.9     | 865.1                 | 1.38                  | -1.38                | -0.81               |
| 6,078.0             | 7.87            | 208.79      | 6,005.2                             | -755.0     | -430.9     | 869.3                 | 0.46                  | -0.42                | 1.29                |
| 6,110.0             | 7.65            | 208.00      | 6,036.9                             | -758.8     | -433.0     | 873.7                 | 0.76                  | -0.69                | -2.47               |
| 6,141.0             | 7.38            | 207.69      | 6,067.6                             | -762.4     | -434.9     | 877.7                 | 0.88                  | -0.87                | -1.00               |
| 6,173.0             | 7.20            | 206.80      | 6,099.4                             | -766.0     | -436.7     | 881.8                 | 0.66                  | -0.56                | -2.78               |
| 6,205.0             | 6.90            | 205.70      | 6,131.1                             | -769.5     | -438.5     | 885.7                 | 1.03                  | -0.94                | -3.44               |
| 6,237.0             | 6.68            | 206.24      | 6,162.9                             | -772.9     | -440.1     | 889.5                 | 0.72                  | -0.69                | 1.69                |
| 6,268.0             | 6.64            | 205.97      | 6,193.7                             | -776.2     | -441.7     | 893.1                 | 0.16                  | -0.13                | -0.87               |
| 6,310.0             | 6.37            | 207.20      | 6,235.4                             | -780.4     | -443.8     | 897.8                 | 0.72                  | -0.64                | 2.93                |
| 6,363.0             | 6.37            | 207.20      | 6,288.1<br><i>24</i><br><i>6259</i> | -785.7     | -446.5     | 903.7                 | 0.00                  | 0.00                 | 0.00                |

| Target Name   | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude        | Longitude        |
|---|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|------------------|
| O-32-8-17 TGT   | 0.00          | 0.00         | 6,290.0  | -784.6     | -442.8     | 7,199,100.84  | 2,049,108.00 | 40° 4' 27.245 N | 110° 2' 22.037 W |
| - actual wellpath misses target center by 4.3ft at 6363.0ft MD (6288.1 TVD, -785.7 N, -446.5 E) |               |              |          |            |            |               |              |                 |                  |
| - Circle (radius 75.0)  |               |              |          |            |            |               |              |                 |                  |
| O-32-8-17 NO GO ZONE  | 0.00          | 0.00         | -2,000.0 | 0.0        | 0.0        | 7,199,892.62  | 2,049,537.96 | 40° 4' 35.000 N | 110° 2' 16.340 W |
| - actual wellpath misses target center by 2000.0ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)          |               |              |          |            |            |               |              |                 |                  |
| - Polygon   |               |              |          |            |            |               |              |                 |                  |
| Point 1   |               |              | -2,000.0 | -584.0     | -555.0     | 7,199,299.62  | 2,048,992.58 |                 |                  |
| Point 2   |               |              | -2,000.0 | -984.0     | -555.0     | 7,198,899.68  | 2,048,999.12 |                 |                  |
| Point 3   |               |              | -2,000.0 | -584.0     | -555.0     | 7,199,299.62  | 2,048,992.58 |                 |                  |

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

# NEWFIELD



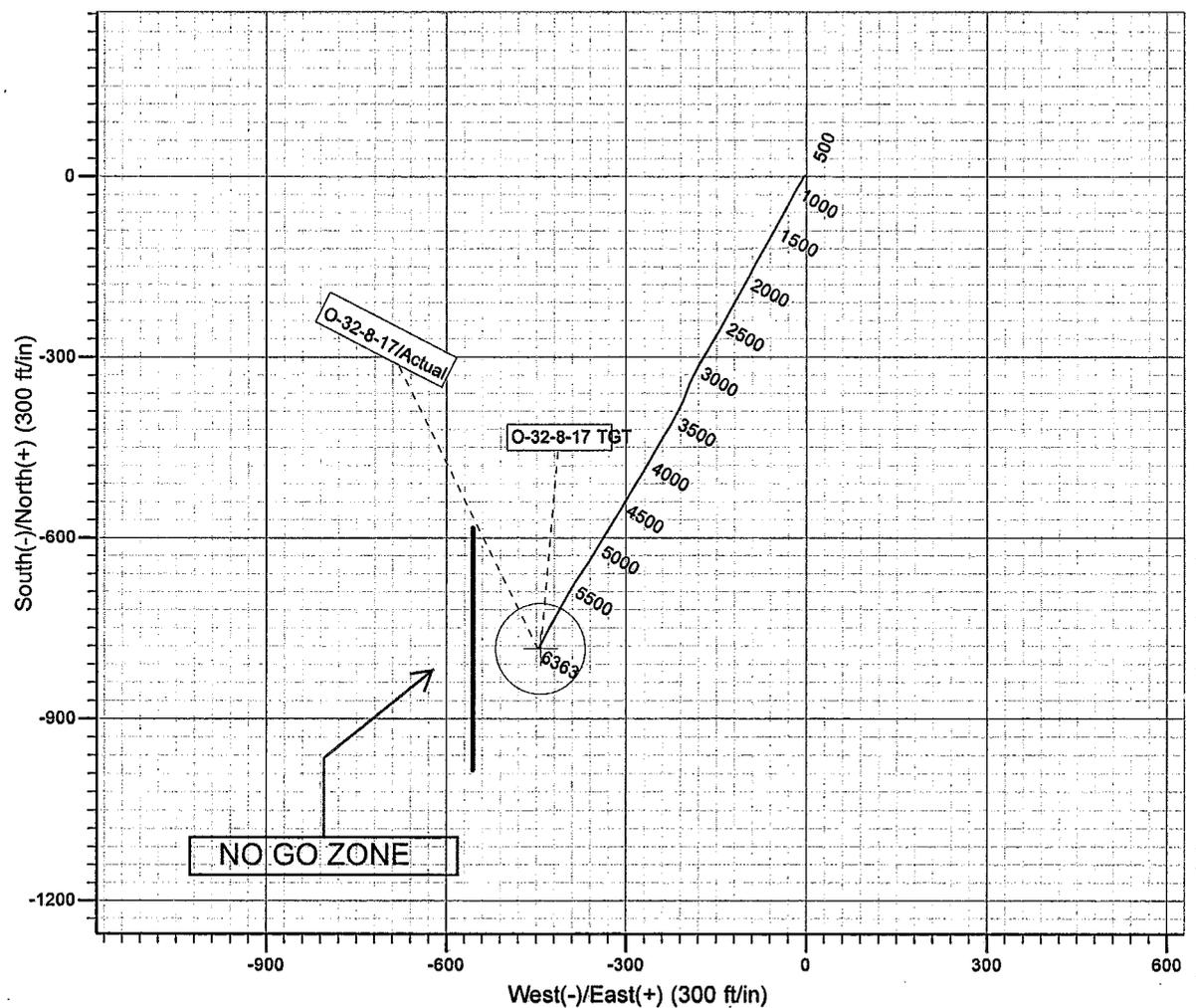
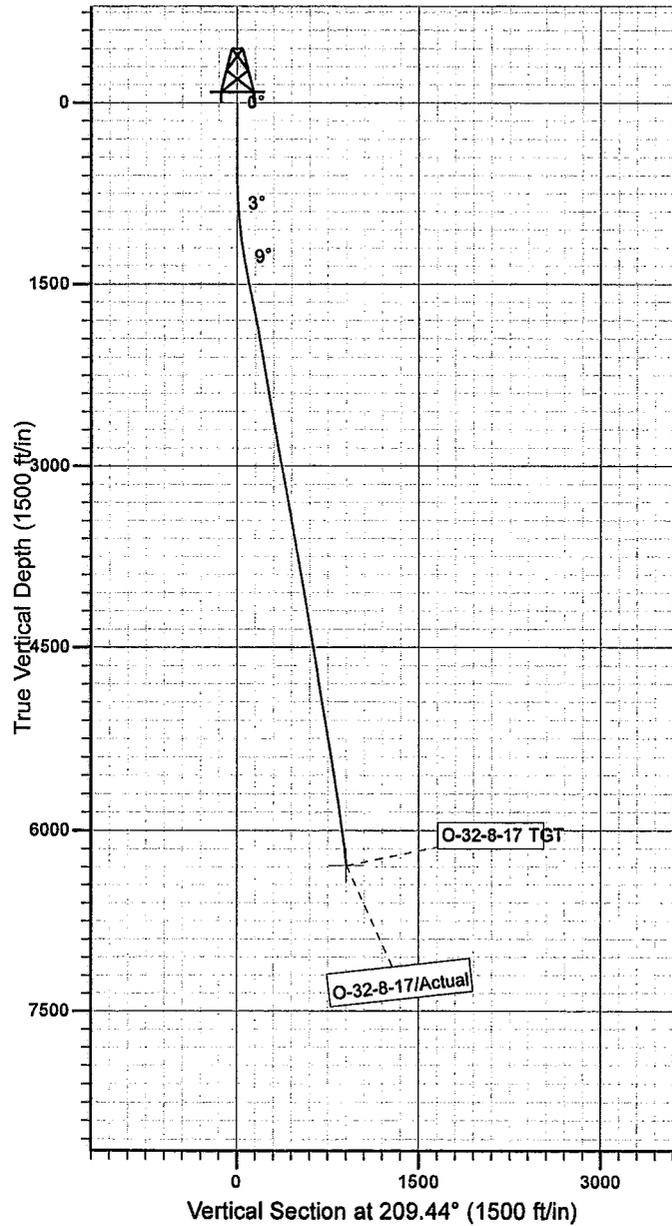
Project: USGS Myton SW (UT)  
Site: SECTION 32 T8S, R17E  
Well: O-32-8-17  
Wellbore: Wellbore #1  
SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
Magnetic North: 11.34°

Magnetic Field  
Strength: 52317.8snT  
Dip Angle: 65.83°  
Date: 2011/03/15  
Model: IGRF2010



Design: Actual (O-32-8-17/Wellbore #1)



Created By: Sarah Webb Date: 19:48, July 05 2011  
THIS SURVEY IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

## Daily Activity Report

Format For Sundry

**GMBU O-32-8-17**

**4/1/2011 To 8/30/2011**

**GMBU O-32-8-17**

**Waiting on Cement**

**Date:** 6/27/2011

Ross #29 at 310. Days Since Spud - 311.42' KB. On 6/27/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 8.5 bbls to pit, bump plug to 550psi, BLM and State were notified of spud via email. - On 6/22/11 Ross #29 spud and drilled 310' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set

**Daily Cost:** \$0

**Cumulative Cost:** \$61,996

**GMBU O-32-8-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/2/2011

NDSI #2 at 1377. 1 Days Since Spud - degree,1x31' NM Monel DC,1X2.5' Single Gap Sub,1x2' Index Sub,1x5' NM Pony DC.Scribe Directional - P/U BHA as follows,Security 7 7/8" PDC Bit,1x27' Hunting Mud Motor 4.3 stage, 7/8 lobe ,.33 rev,1.5 - mins Everthing Tested Ok. - Blind Rams,Choke Line & Manifold To 2000 psi for 10 Mins and Test 8 5/8 Casing to 1500 psi for 30 - Accepted Rig @ 5:00 PM on 7/1/11. R/U B&C Quick Test,Test Upper Kelly Valve,Safety Valve,Pipe Rams, - que Converter On #1 Drawworks Motor) - MIRU Set Surface Equipment W/Marcus Liddell Trucking (1.5 Mile Move From W-32-8-17, Change Out Tor- - Tools,Tag @ 262' - Drill 7 7/8" From 262' To 1377',WOB 18,000 lbs,TRPM 160 TRPM,400 GPM,AVG ROP 117.3 fph - No Flow - No H2s Reported Last 24 Hrs.

**Daily Cost:** \$0

**Cumulative Cost:** \$94,096

**GMBU O-32-8-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/3/2011

NDSI #2 at 4007. 2 Days Since Spud - No H2s Reported Last 24 Hrs - Traces Of Gilsonite @ 2704' No Hole Problems. - Drill 7 7/8" Hole From 2582' To 4007',WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 98.2 fph - Rig Service,Function Test Bop's,Crown-A-Matic,Held BOP Drill - Drill 7 7/8" Hole From 1377' To 2582'. WOB 20,000lbs,TRPM 160,GPM 400,AVG ROP133.8 fph - No Flow

**Daily Cost:** \$0

**Cumulative Cost:** \$127,442

**GMBU O-32-8-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/4/2011

NDSI #2 at 5686. 3 Days Since Spud - Flow 2 gal/min @ 5781' - Drill 7 7/8" Hole From 4768' To 5686',WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 65.5 fph - Rig Service,Check Crown-A-Matic,Function Test Bop's - Drill 7 7/8" Hole From 4007' To 4768'. WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 79.7 fph - No H2s Reported Last 24 Hrs.

**Daily Cost:** \$0

**Cumulative Cost:** \$169,288

**GMBU O-32-8-17**

**Running casing**

**Date:** 7/5/2011

NDSI #2 at 6363. 4 Days Since Spud - Drill 7 7/8" Hole From 5686' To 6320',WOB 18,000 lbs,TRPM 160,GPM 400,AVG ROP 70.4 fph - Rig Service,Check Crown-A-Matic,Function Test

Bop's,Held Bop Drill - Drill 7 7/8" Hole From 6320' To 6363',WOB 18,000 lbs,TRPM 160,GPM 400,AVG ROP 43 fph - Circ Hole For Laydown & Logs - No H2s Reported Last 24 Hrs. - R/U Phoenix Surveys Run Triple Combo Logs from Loggers TD of 6365' To Surface Casing. - R/U B&C Quick Test,Test 5 1/2" Pipe Rams To 2000 psi for 10 mins.Tested OK - R/U Marcus Liddells Casing Crew Run 5 1/2" Casing - LDDP & BHA

**Daily Cost:** \$0

**Cumulative Cost:** \$191,594

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**GMBU O-32-8-17**

**Wait on Completion**

**Date:** 7/6/2011

NDSI #2 at 6363. 5 Days Since Spud - Finish Running 150 jts 5.5",J-55,15.5# LT&C Casing.Shoe Set @ 6362',Float Collar Set @ 6334'. 2 jts - Will be transferred To next well. ( GMBU P-32-8-17) - R/U BJ Cement Head Circ Casing W/ Rig Pump,Set Mandrill - Hook up BJ Services Hard Lines Test To 3500 psi. Pump 285 sk Lead cement @11.0 ppg & 3.53 yield - ( PL-II+3%KCL+5#CSE+0.5#CF+5#KOL+.5SMS+FP+SF) Pump 400 sk Tail cement @ 14.4 ppg& 1.24 yield - ( 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05SF++.3SMS+FP-6L ) Displaced with 150.9 bbls,Returned 20 bbls - Cement to Pit,Bumped Plug To 2250 psi. - Clean Mud Pits. - Released Rig @ 4:00 PM 7/5/11 Don Bastian **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$333,712

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**Pertinent Files: Go to File List**