API Well Number: 43013517710000

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

FORM 3

AMENDED REPORT ☐

## APPLICATION FOR PERMIT TO DRILL

| | |
|---|---|
| **1. WELL NAME and NUMBER**<br>GMBU H-1-9-15 | |
| **2. TYPE OF WORK**<br>DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○ | **3. FIELD OR WILDCAT**<br>MONUMENT BUTTE |
| **4. TYPE OF WELL**<br>Oil Well Coalbed Methane Well: NO | **5. UNIT or COMMUNITIZATION AGREEMENT NAME**<br>GMBU (GRRV) |
| **6. NAME OF OPERATOR**<br>NEWFIELD PRODUCTION COMPANY | **7. OPERATOR PHONE**<br>435 646-4825 |
| **8. ADDRESS OF OPERATOR**<br>Rt 3 Box 3630 , Myton, UT, 84052 | **9. OPERATOR E-MAIL**<br>mcrozier@newfield.com |
| **10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)**<br>UTU-74826 | **11. MINERAL OWNERSHIP**<br>FEDERAL ● INDIAN ○ STATE ○ FEE ○ |
| **12. SURFACE OWNERSHIP**<br>FEDERAL ● INDIAN ○ STATE ○ FEE ○ | |
| **13. NAME OF SURFACE OWNER (if box 12 = 'fee')** | **14. SURFACE OWNER PHONE (if box 12 = 'fee')** |
| **15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')** | **16. SURFACE OWNER E-MAIL (if box 12 = 'fee')** |
| **17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')** | **18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS**<br>YES ○ (Submit Commingling Application) NO ● |
| **19. SLANT**<br>VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○ | |

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 686 FNL 2008 FWL | NENW | 1 | 9.0 S | 15.0 E | S |
| Top of Uppermost Producing Zone | 1060 FNL 2406 FWL | NENW | 1 | 9.0 S | 15.0 E | S |
| At Total Depth | 1392 FNL 2545 FEL | SWNE | 1 | 9.0 S | 15.0 E | S |

| | | |
|---|---|---|
| **21. COUNTY**<br>DUCHESNE | **22. DISTANCE TO NEAREST LEASE LINE (Feet)**<br>1392 | **23. NUMBER OF ACRES IN DRILLING UNIT**<br>20 |
| | **25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**<br>848 | **26. PROPOSED DEPTH**<br>MD: 6247 TVD: 6150 |
| **27. ELEVATION - GROUND LEVEL**<br>5898 | **28. BOND NUMBER**<br>WYB000493 | **29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**<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 - 6150 | 15.5 | J-55 LT&C | 8.3 | Premium Lite High Strength | 293 | 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**

| | |
|---|---|
| ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | ☑ COMPLETE DRILLING PLAN |
| ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) | ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | ☑ TOPOGRAPHICAL MAP |

| | | |
|---|---|---|
| **NAME** Mandie Crozier | **TITLE** Regulatory Tech | **PHONE** 435 646-4825 |
| **SIGNATURE** | **DATE** 10/04/2012 | **EMAIL** mcrozier@newfield.com |

**API NUMBER ASSIGNED**
43013517710000

**APPROVAL**

Permit Manager

RECEIVED: November 01, 2012

NEWFIELD PRODUCTION COMPANY
GMBU H-1-9-15
AT SURFACE: NE/NW (LOT #3) SECTION 1, T9S R15E
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' – 1650' |
| Green River | 1650' |
| Wasatch | 6390' |
| **Proposed TD** | 6247' |

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

Green River Formation (Oil) 1650' – 6390'

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 ($CO_3$) (mg/l) |
| Dissolved Bicarbonate ($NaHCO_3$) (mg/l) | Dissolved Chloride (Cl) (mg/l) |
| Dissolved Sulfate ($SO_4$) (mg/l) | Dissolved Total Solids (TDS) (mg/l) |

RECEIVED: October 04, 2012

## 4. *PROPOSED CASING PROGRAM*

### a. Casing Design: GMBU H-1-9-15

| Size | Interval | | Weight | Grade | Coupling | Design Factors | | |
|---|---|---|---|---|---|---|---|---|
| | Top | Bottom | | | | Burst | Collapse | Tension |
| Surface casing 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 5-1/2" | 0' | 6,247' | 15.5 | J-55 | LTC | 4,810<br>2.42 | 4,040<br>2.03 | 217,000<br>2.24 |

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 H-1-9-15

| Job | Fill | Description | Sacks<br>$ft^3$ | OH Excess* | Weight (ppg) | Yield ($ft^3$/sk) |
|---|---|---|---|---|---|---|
| Surface casing | 300' | Class G w/ 2% CaCl | 138<br>161 | 30% | 15.8 | 1.17 |
| Prod casing Lead | 4,247' | Prem Lite II w/ 10% gel + 3% KCl | 293<br>957 | 30% | 11.0 | 3.26 |
| Prod casing Tail | 2,000' | 50/50 Poz w/ 2% gel + 3% KCl | 363<br>451 | 30% | 14.3 | 1.24 |

*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:

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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 ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" 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 ±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 PBTD 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

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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 first quarter of 2013, and take approximately seven (7) days from spud to rig release.

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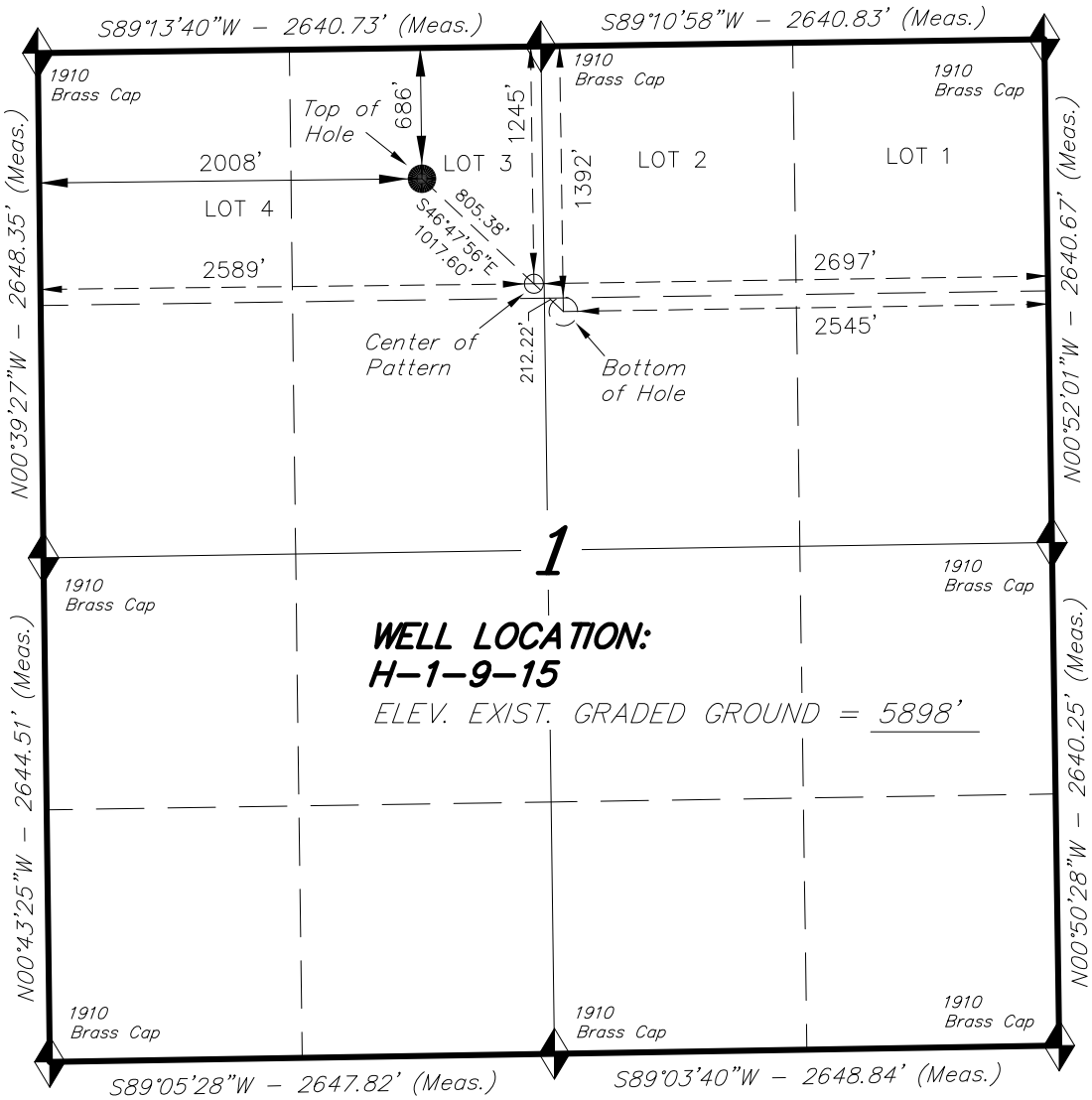
API Well Number: 43013517710000

# T9S, R15E, S.L.B.&M.




◆ = SECTION CORNERS LOCATED

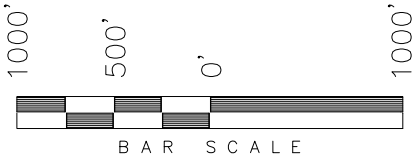
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

| NAD 83 (SURFACE LOCATION) |
|---|
| LATITUDE = 40°03'55.17" |
| LONGITUDE = 110°10'57.87" |
| NAD 27 (SURFACE LOCATION) |
| LATITUDE = 40°03'55.31" |
| LONGITUDE = 110°10'55.32" |
| NAD 83 (BOTTOM HOLE LOCATION) |
| LATITUDE = 40°03'48.18" |
| LONGITUDE = 110°10'48.46" |
| NAD 27 (BOTTOM HOLE LOCATION) |
| LATITUDE = 40°03'48.32" |
| LONGITUDE = 110°10'45.91" |

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, H-1-9-15, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 (LOT 3) OF SECTION 1, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, H-1-9-15, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R15E, 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.

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

REGISTERED LAND SURVEYOR No. 189377 06-19-12 STACY W. STEWART

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

REGISTERED LAND SURVEYOR STATE OF UTAH

## TRI STATE LAND SURVEYING & CONSULTING

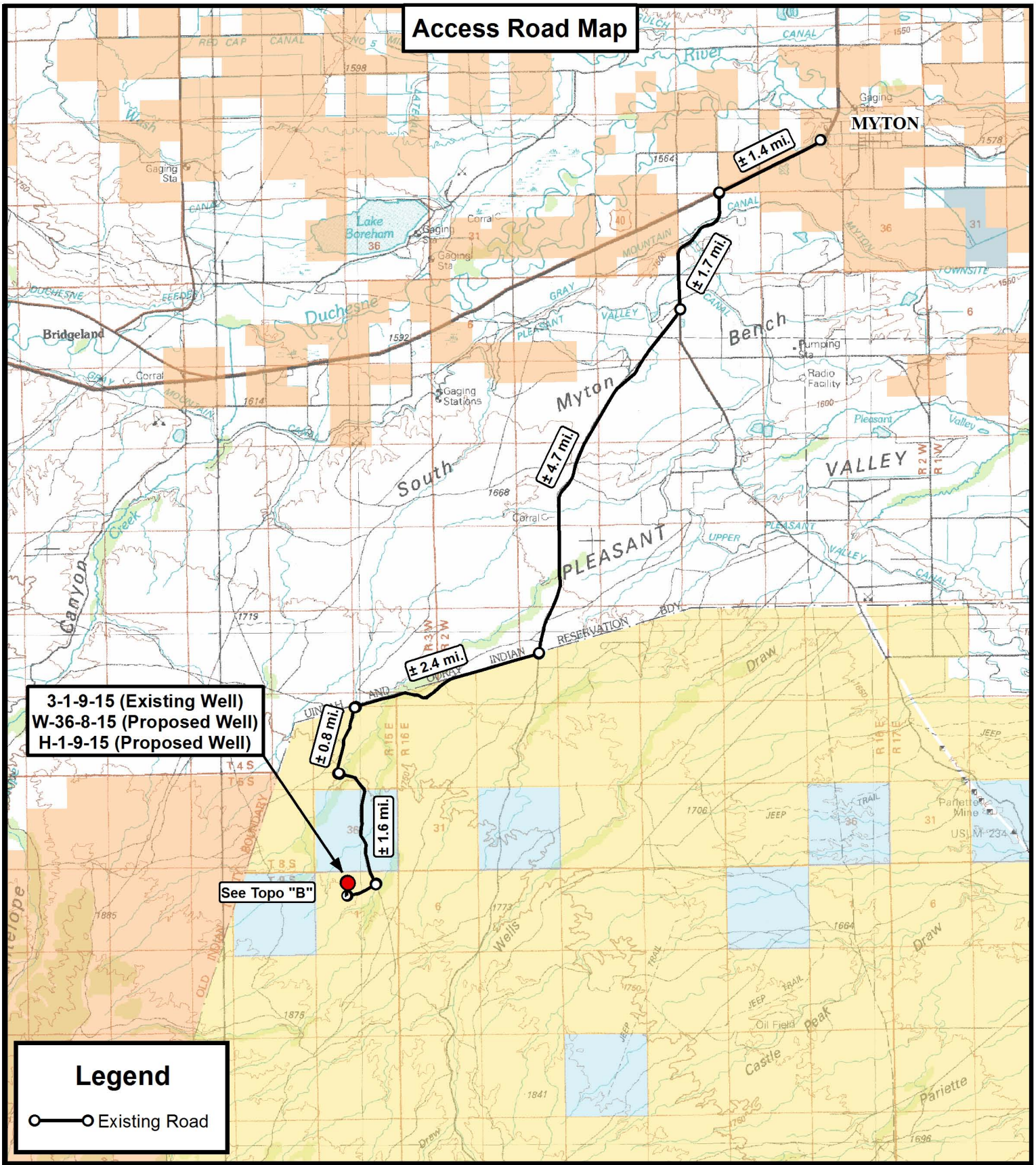
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

| | | |
|---|---|---|
| DATE SURVEYED: 03-09-12 | SURVEYED BY: W.H. | VERSION: |
| DATE DRAWN: 06-19-12 | DRAWN BY: R.B.T. | V2 |
| REVISED: | SCALE: 1" = 1000' | |

RECEIVED: October 04, 2012

API Well Number: 43013517710000

# Access Road Map





Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518


N

## NEWFIELD EXPLORATION COMPANY

3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

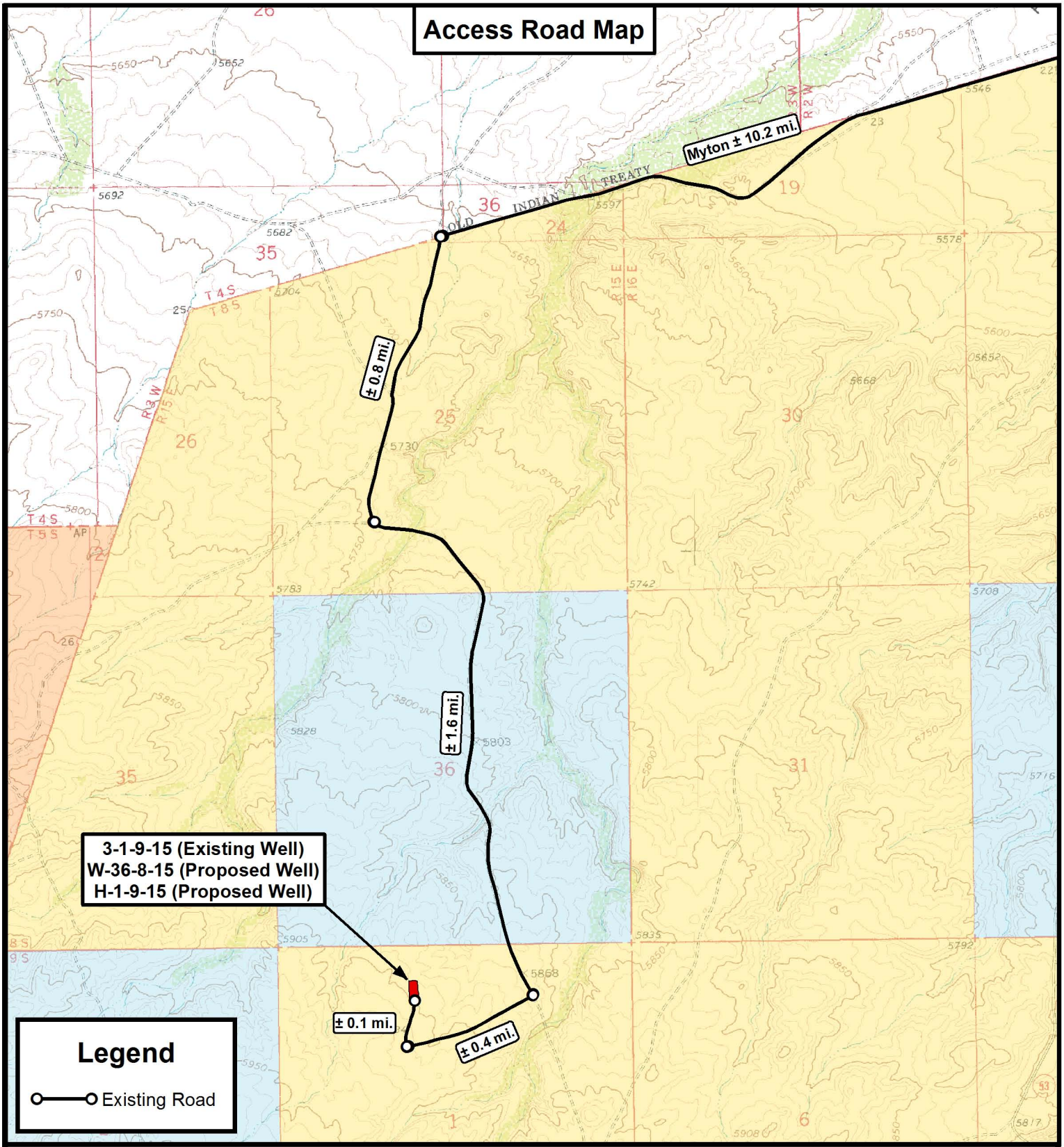
| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
|---|---|---|---|
| DATE: | 06-19-2012 | | V2 |
| SCALE: | 1:100,000 | | |

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013517710000

# Access Road Map

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N

## NEWFIELD EXPLORATION COMPANY

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W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

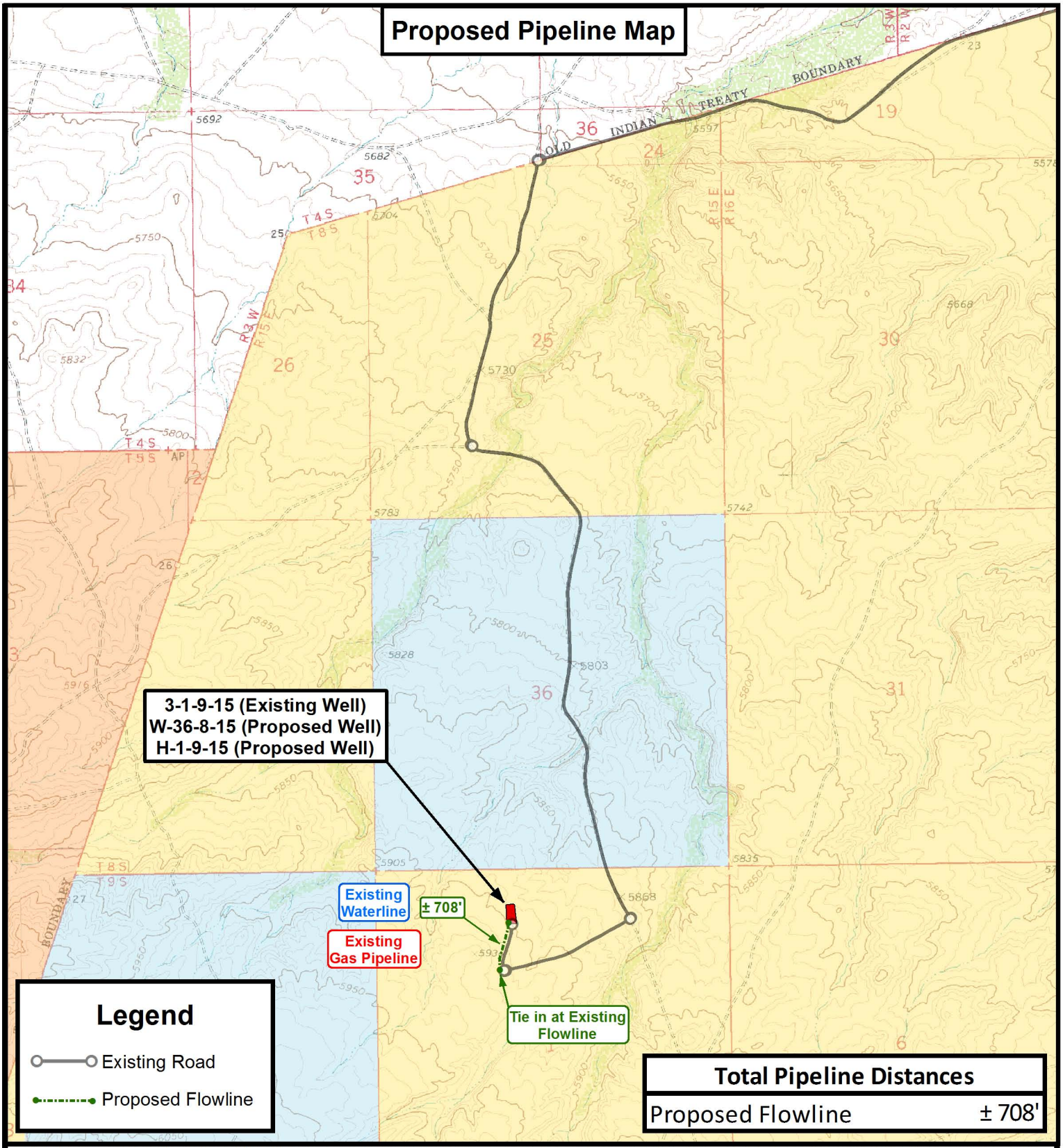
| | | | |
|---|---|---|---|
| DRAWN BY: | A.P.C. | REVISED: 06-19-12 A.P.C. | VERSION: |
| DATE: | 03-13-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013517710000

# Proposed Pipeline Map




| Total Pipeline Distances | |
|---|---|
| Proposed Flowline | ± 708' |

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.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N

## NEWFIELD EXPLORATION COMPANY

3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

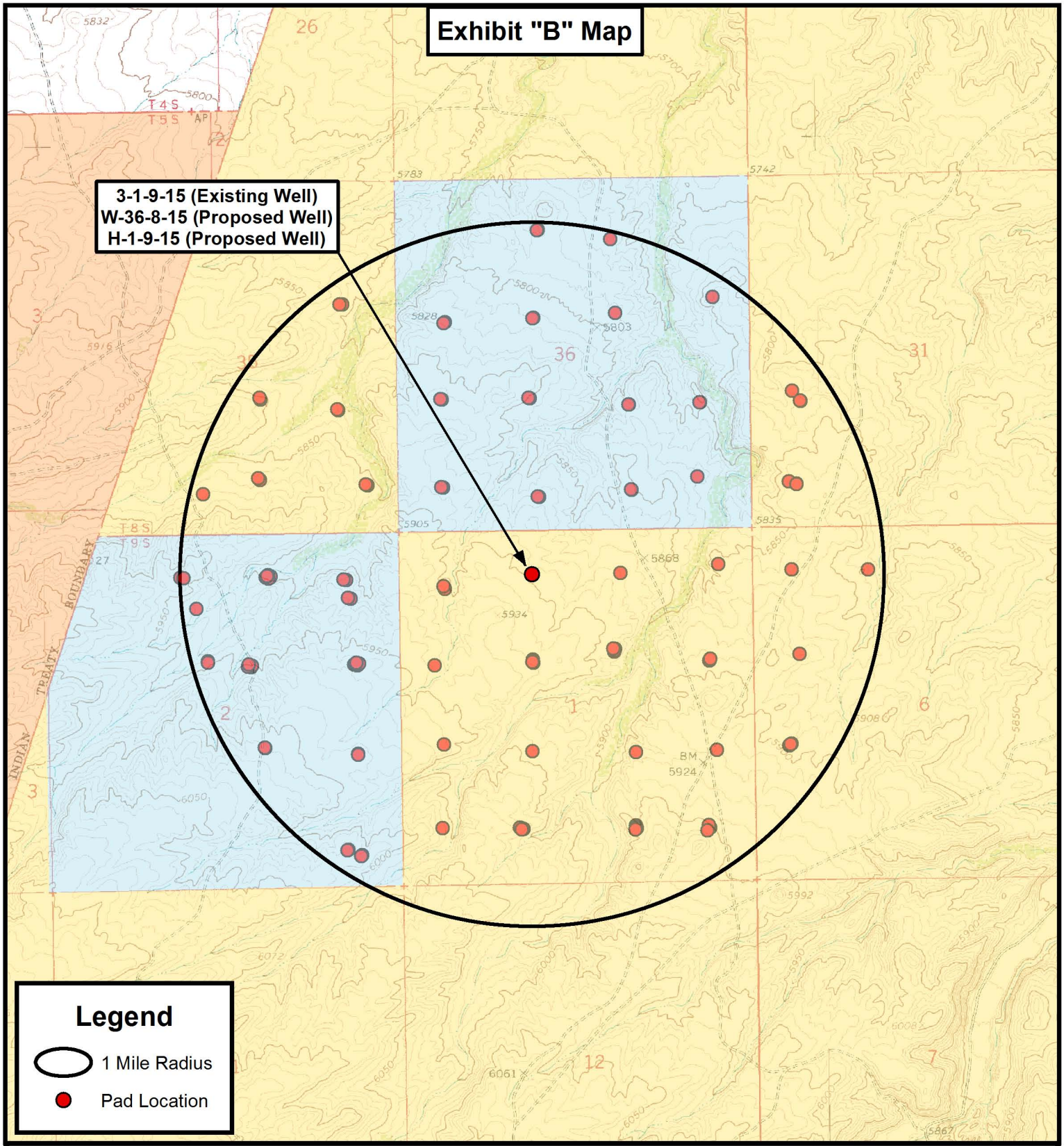
| DRAWN BY: | A.P.C. | REVISED: 06-19-12 A.P.C. | VERSION: |
|---|---|---|---|
| DATE: | 03-13-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013517710000

# Exhibit "B" Map

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N

## NEWFIELD EXPLORATION COMPANY

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W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
|---|---|---|---|
| DATE: | 06-19-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013517710000

# NEWFIELD EXPLORATION

**USGS Myton SW (UT)**
**SECTION 1**
**H-1-9-15**

**Wellbore #1**

**Plan: Design #1**

# Standard Planning Report

**18 June, 2012**

RECEIVED: October 04, 2012

NEWFIELD

# Payzone Directional

## Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | H-1-9-15 @ 5910.0ft (Original Well Elev) |
| **Project:** | USGS Myton SW (UT) | **MD Reference:** | H-1-9-15 @ 5910.0ft (Original Well Elev) |
| **Site:** | SECTION 1 | **North Reference:** | True |
| **Well:** | H-1-9-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 | | |

**Project** USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | Utah Central Zone | | |

**Site** SECTION 1, SEC 1 T9S R15E

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 7,193,438.05 ft | **Latitude:** | 40° 3' 37.338 N |
| **From:** | Lat/Long | **Easting:** | 2,009,700.00 ft | **Longitude:** | 110° 10' 50.033 W |
| **Position Uncertainty:** | 0.0 ft | **Slot Radius:** | " | **Grid Convergence:** | 0.85 ° |

**Well** H-1-9-15, SHL LAT: 40 03 55.17 LONG: -110 10 57.87

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 1,804.3 ft | **Northing:** | 7,195,233.14 ft | **Latitude:** | 40° 3' 55.170 N |
| | **+E/-W** | -609.3 ft | **Easting:** | 2,009,064.16 ft | **Longitude:** | 110° 10' 57.870 W |
| **Position Uncertainty** | | 0.0 ft | **Wellhead Elevation:** | 5,910.0 ft | **Ground Level:** | 5,898.0 ft |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2010 | 6/18/2012 | 11.24 | 65.76 | 52,162 |

**Design** Design #1

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PROTOTYPE | **Tie On Depth:** | 0.0 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 133.20 |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,341.2 | 11.12 | 133.20 | 1,336.6 | -49.1 | 52.3 | 1.50 | 1.50 | 0.00 | 133.20 | |
| 5,146.1 | 11.12 | 133.20 | 5,070.0 | -551.3 | 587.1 | 0.00 | 0.00 | 0.00 | 0.00 | H-1-9-15 TGT |
| 6,246.7 | 11.12 | 133.20 | 6,150.0 | -696.6 | 741.8 | 0.00 | 0.00 | 0.00 | 0.00 | |



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NEWFIELD

# Payzone Directional

## Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | H-1-9-15 @ 5910.0ft (Original Well Elev) |
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| **Site:** | SECTION 1 | **North Reference:** | True |
| **Well:** | H-1-9-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | 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 | 133.20 | 700.0 | -0.9 | 1.0 | 1.3 | 1.50 | 1.50 | 0.00 |
| 800.0 | 3.00 | 133.20 | 799.9 | -3.6 | 3.8 | 5.2 | 1.50 | 1.50 | 0.00 |
| 900.0 | 4.50 | 133.20 | 899.7 | -8.1 | 8.6 | 11.8 | 1.50 | 1.50 | 0.00 |
| 1,000.0 | 6.00 | 133.20 | 999.3 | -14.3 | 15.3 | 20.9 | 1.50 | 1.50 | 0.00 |
| 1,100.0 | 7.50 | 133.20 | 1,098.6 | -22.4 | 23.8 | 32.7 | 1.50 | 1.50 | 0.00 |
| 1,200.0 | 9.00 | 133.20 | 1,197.5 | -32.2 | 34.3 | 47.0 | 1.50 | 1.50 | 0.00 |
| 1,300.0 | 10.50 | 133.20 | 1,296.1 | -43.8 | 46.6 | 64.0 | 1.50 | 1.50 | 0.00 |
| 1,341.2 | 11.12 | 133.20 | 1,336.6 | -49.1 | 52.3 | 71.7 | 1.50 | 1.50 | 0.00 |
| 1,400.0 | 11.12 | 133.20 | 1,394.3 | -56.8 | 60.5 | 83.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 11.12 | 133.20 | 1,492.4 | -70.0 | 74.6 | 102.3 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 11.12 | 133.20 | 1,590.5 | -83.2 | 88.6 | 121.6 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 11.12 | 133.20 | 1,688.6 | -96.4 | 102.7 | 140.9 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 11.12 | 133.20 | 1,786.7 | -109.6 | 116.8 | 160.2 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 11.12 | 133.20 | 1,884.9 | -122.8 | 130.8 | 179.4 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 11.12 | 133.20 | 1,983.0 | -136.0 | 144.9 | 198.7 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 11.12 | 133.20 | 2,081.1 | -149.2 | 158.9 | 218.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 11.12 | 133.20 | 2,179.2 | -162.4 | 173.0 | 237.3 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 11.12 | 133.20 | 2,277.4 | -175.6 | 187.0 | 256.6 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 11.12 | 133.20 | 2,375.5 | -188.8 | 201.1 | 275.9 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 11.12 | 133.20 | 2,473.6 | -202.0 | 215.1 | 295.1 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 11.12 | 133.20 | 2,571.7 | -215.2 | 229.2 | 314.4 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 11.12 | 133.20 | 2,669.9 | -228.4 | 243.3 | 333.7 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 11.12 | 133.20 | 2,768.0 | -241.6 | 257.3 | 353.0 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 11.12 | 133.20 | 2,866.1 | -254.8 | 271.4 | 372.3 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 11.12 | 133.20 | 2,964.2 | -268.0 | 285.4 | 391.6 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 11.12 | 133.20 | 3,062.3 | -281.2 | 299.5 | 410.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 11.12 | 133.20 | 3,160.5 | -294.4 | 313.5 | 430.1 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 11.12 | 133.20 | 3,258.6 | -307.6 | 327.6 | 449.4 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 11.12 | 133.20 | 3,356.7 | -320.8 | 341.7 | 468.7 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 11.12 | 133.20 | 3,454.8 | -334.0 | 355.7 | 488.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 11.12 | 133.20 | 3,553.0 | -347.2 | 369.8 | 507.3 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 11.12 | 133.20 | 3,651.1 | -360.4 | 383.8 | 526.5 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 11.12 | 133.20 | 3,749.2 | -373.6 | 397.9 | 545.8 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 11.12 | 133.20 | 3,847.3 | -386.8 | 411.9 | 565.1 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 11.12 | 133.20 | 3,945.5 | -400.0 | 426.0 | 584.4 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 11.12 | 133.20 | 4,043.6 | -413.2 | 440.1 | 603.7 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 11.12 | 133.20 | 4,141.7 | -426.4 | 454.1 | 623.0 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 11.12 | 133.20 | 4,239.8 | -439.6 | 468.2 | 642.2 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 11.12 | 133.20 | 4,337.9 | -452.8 | 482.2 | 661.5 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 11.12 | 133.20 | 4,436.1 | -466.0 | 496.3 | 680.8 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 11.12 | 133.20 | 4,534.2 | -479.2 | 510.3 | 700.1 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 11.12 | 133.20 | 4,632.3 | -492.4 | 524.4 | 719.4 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 11.12 | 133.20 | 4,730.4 | -505.6 | 538.5 | 738.7 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 11.12 | 133.20 | 4,828.6 | -518.8 | 552.5 | 757.9 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 11.12 | 133.20 | 4,926.7 | -532.0 | 566.6 | 777.2 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 11.12 | 133.20 | 5,024.8 | -545.2 | 580.6 | 796.5 | 0.00 | 0.00 | 0.00 |
| 5,146.1 | 11.12 | 133.20 | 5,070.0 | -551.3 | 587.1 | 805.4 | 0.00 | 0.00 | 0.00 |



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NEWFIELD

# Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

| | | | |
|---|---|---|---|
| **Database:** | EDM 2003.21 Single User Db | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Company:** | NEWFIELD EXPLORATION | **TVD Reference:** | H-1-9-15 @ 5910.0ft (Original Well Elev) |
| **Project:** | USGS Myton SW (UT) | **MD Reference:** | H-1-9-15 @ 5910.0ft (Original Well Elev) |
| **Site:** | SECTION 1 | **North Reference:** | True |
| **Well:** | H-1-9-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | 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) |
|---|---|---|---|---|---|---|---|---|---|
| 5,200.0 | 11.12 | 133.20 | 5,122.9 | -558.4 | 594.7 | 815.8 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 11.12 | 133.20 | 5,221.1 | -571.6 | 608.7 | 835.1 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 11.12 | 133.20 | 5,319.2 | -584.8 | 622.8 | 854.3 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 11.12 | 133.20 | 5,417.3 | -598.0 | 636.9 | 873.6 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 11.12 | 133.20 | 5,515.4 | -611.2 | 650.9 | 892.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 11.12 | 133.20 | 5,613.6 | -624.4 | 665.0 | 912.2 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 11.12 | 133.20 | 5,711.7 | -637.6 | 679.0 | 931.5 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 11.12 | 133.20 | 5,809.8 | -650.8 | 693.1 | 950.8 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 11.12 | 133.20 | 5,907.9 | -664.0 | 707.1 | 970.0 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 11.12 | 133.20 | 6,006.0 | -677.2 | 721.2 | 989.3 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 11.12 | 133.20 | 6,104.2 | -690.4 | 735.2 | 1,008.6 | 0.00 | 0.00 | 0.00 |
| 6,246.7 | 11.12 | 133.20 | 6,150.0 | -696.6 | 741.8 | 1,017.6 | 0.00 | 0.00 | 0.00 |



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API Well Number: 43013517710000

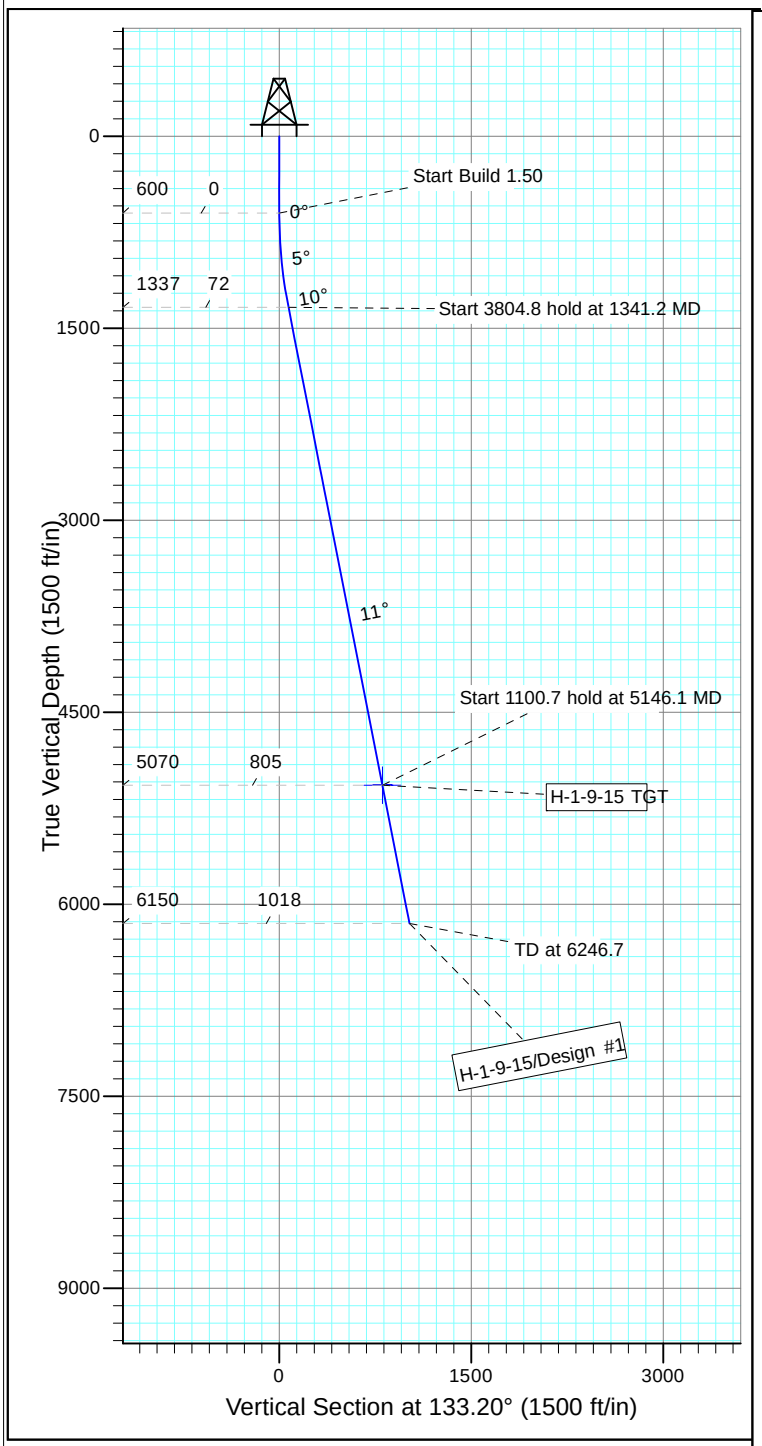
NEWFIELD

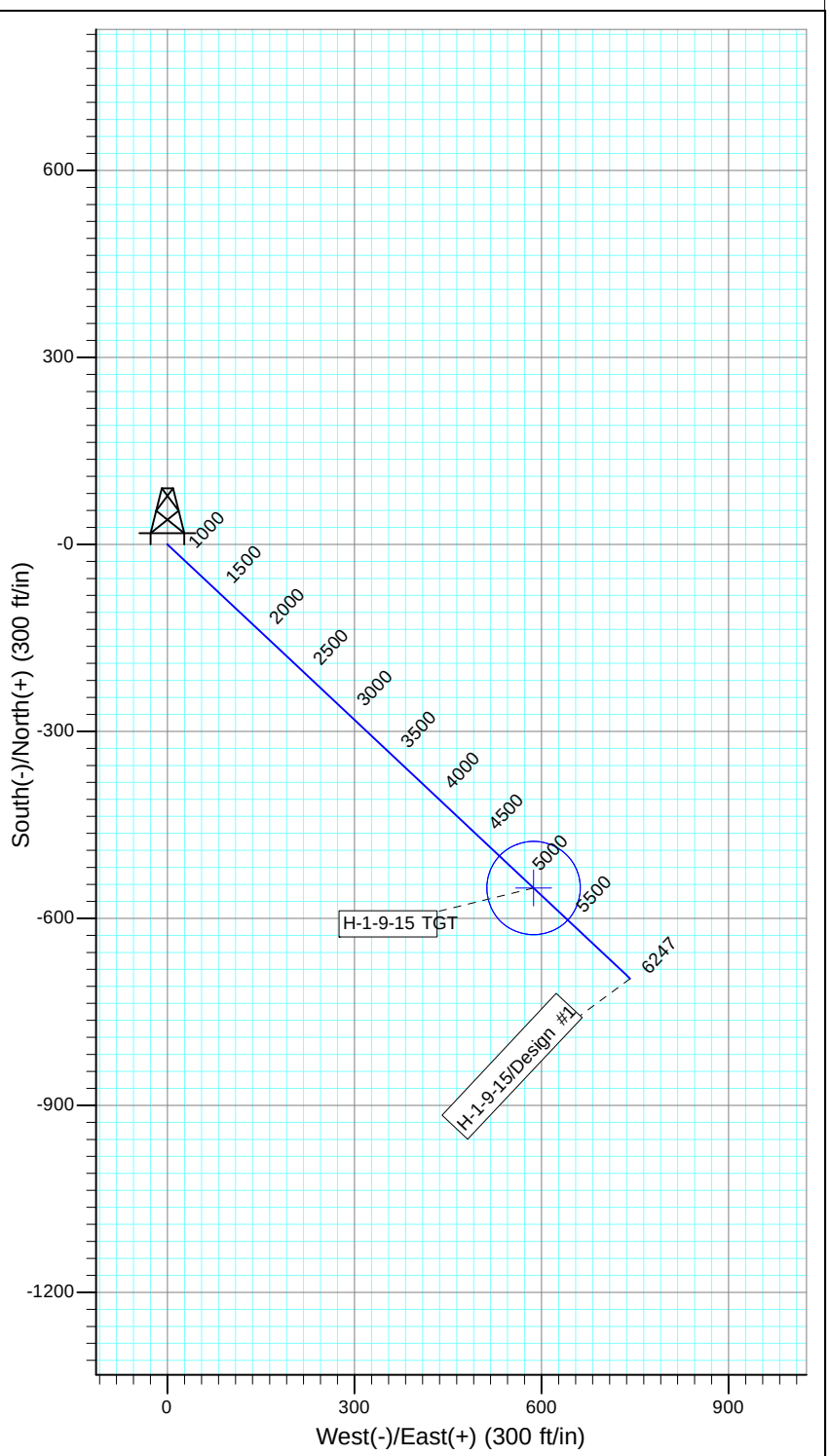
Project: USGS Myton SW (UT)
Site: SECTION 1
Well: H-1-9-15
Wellbore: Wellbore #1
Design: Design #1

Azimuths to True North
Magnetic North: 11.24°

Magnetic Field
Strength: 52161.6snT
Dip Angle: 65.76°
Date: 6/18/2012
Model: IGRF2010

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




WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|---|---|---|---|---|
| H-1-9-15 TGT | 5070.0 | -551.3 | 587.1 | 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 | 1341.2 | 11.12 | 133.20 | 1336.6 | -49.1 | 52.3 | 1.50 | 133.20 | 71.7 | |
| 4 | 5146.1 | 11.12 | 133.20 | 5070.0 | -551.3 | 587.1 | 0.00 | 0.00 | 805.4 | H-1-9-15 TGT |
| 5 | 6246.7 | 11.12 | 133.20 | 6150.0 | -696.6 | 741.8 | 0.00 | 0.00 | 1017.6 | |

**NEWFIELD PRODUCTION COMPANY**
**GMBU H-1-9-15**
**AT SURFACE: NE/NW (LOT #3) SECTION 1, T9S R15E**
**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 H-1-9-15 located in the NE 1/4 NW 1/4 Section 1, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction – 6.4 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.4 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 0.8 miles ± to it's junction with an existing road to the east; proceed in a southeasterly direction – 1.6 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 0.4 miles ± to it's junction with an existing road to the north; proceed northerly – 0.4 miles ± to it's junction with the beginning of the access road to the existing 3-1-9-15 well location.

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 directionaly off of the existing 3-1-9-15 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*

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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.

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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*** – Buruea of Land Management.

***12.*** ***OTHER ADDITIONAL INFORMATION***

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The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-12-MQ-0413b 5/29/12, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 5/22/12. See attached report cover pages, Exhibit "D".

**Surface Flow Line**
Newfield requests 708' 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. **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 as outlined in the Greater Monument Butte Green River Development SOP.

**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.

**Details of the On-Site Inspection**
The proposed GMBU H-1-9-15 was on-sited on 7/11/12. The following were present; Corie Miller (Newfield Production) and Janna Simonsen (Bureau of Land Management.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU H-1-9-15, 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 H-1-9-15, Newfield will use, produce, 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 REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

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Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-1-9-15, Section 1, Township 9S, Range 15E: Lease UTU-74826 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

Mandie Crozier

Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou=Regulatory Analyst, email=mcrozier@newfield.com, c=US
Date: 2012.10.02 15:11:50 -06'00'

10/2/12
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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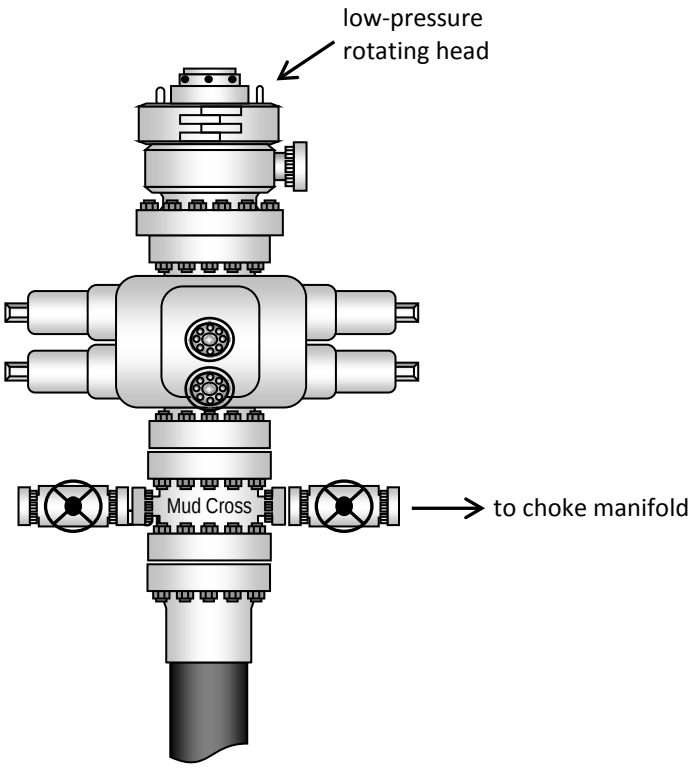
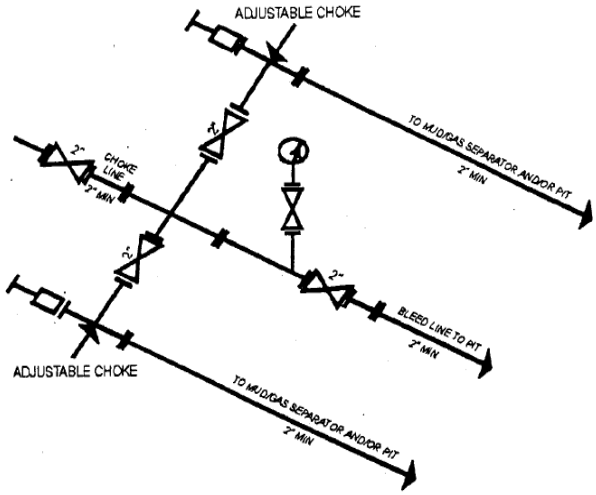
**Typical 2M BOP stack configuration**




2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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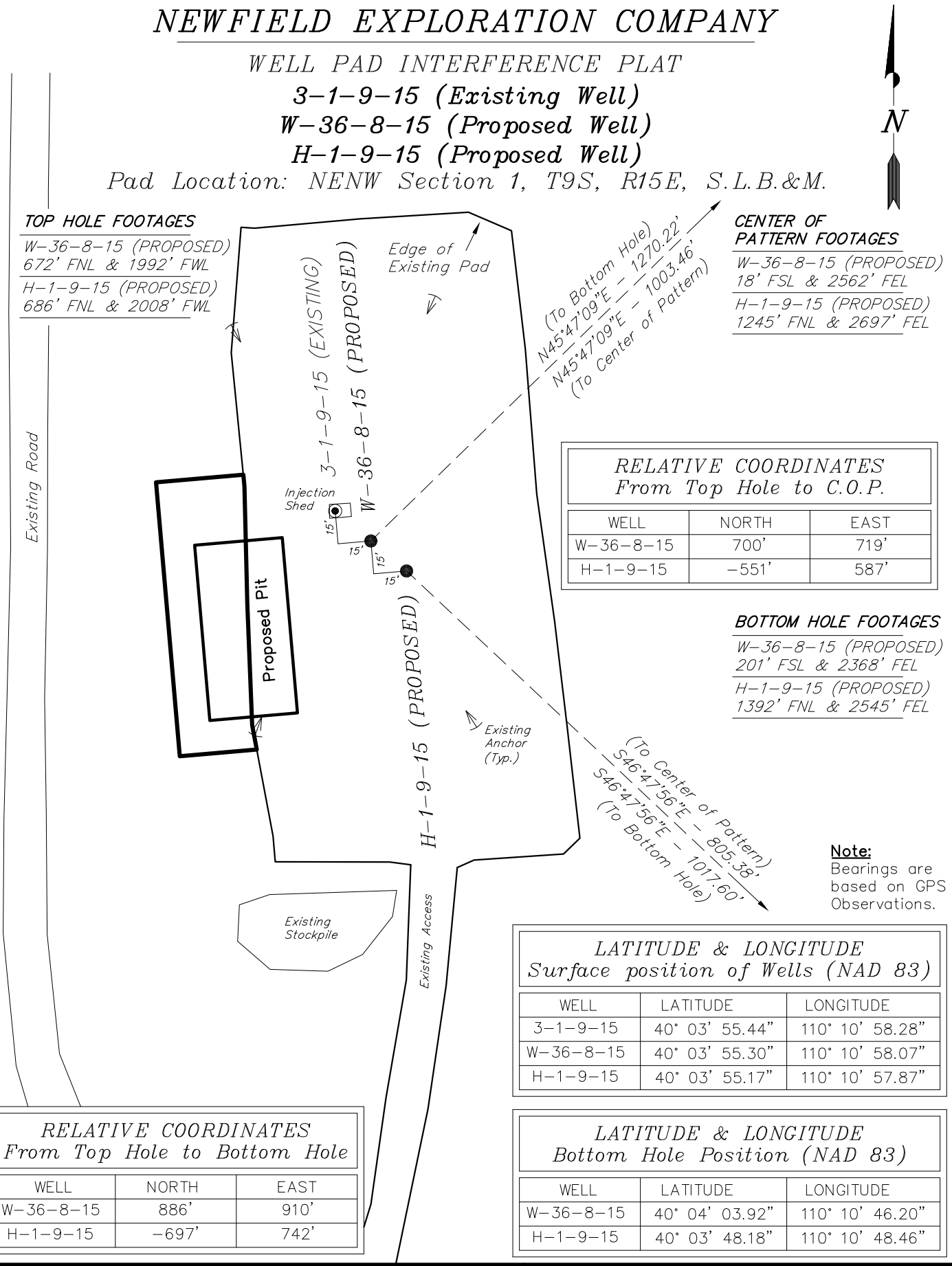
# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

### 3-1-9-15 (Existing Well)
### W-36-8-15 (Proposed Well)
### H-1-9-15 (Proposed Well)

Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.




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

### RELATIVE COORDINATES From Top Hole to C.O.P.

| WELL | NORTH | EAST |
|---|---|---|
| W-36-8-15 | 700' | 719' |
| H-1-9-15 | -551' | 587' |

### RELATIVE COORDINATES From Top Hole to Bottom Hole

| WELL | NORTH | EAST |
|---|---|---|
| W-36-8-15 | 886' | 910' |
| H-1-9-15 | -697' | 742' |

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

| WELL | LATITUDE | LONGITUDE |
|---|---|---|
| 3-1-9-15 | 40° 03' 55.44" | 110° 10' 58.28" |
| W-36-8-15 | 40° 03' 55.30" | 110° 10' 58.07" |
| H-1-9-15 | 40° 03' 55.17" | 110° 10' 57.87" |

### LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

| WELL | LATITUDE | LONGITUDE |
|---|---|---|
| W-36-8-15 | 40° 04' 03.92" | 110° 10' 46.20" |
| H-1-9-15 | 40° 03' 48.18" | 110° 10' 48.46" |

| | | | |
|---|---|---|---|
| SURVEYED BY: W.H. | DATE SURVEYED: 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: R.B.T. | DATE DRAWN: 06-19-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

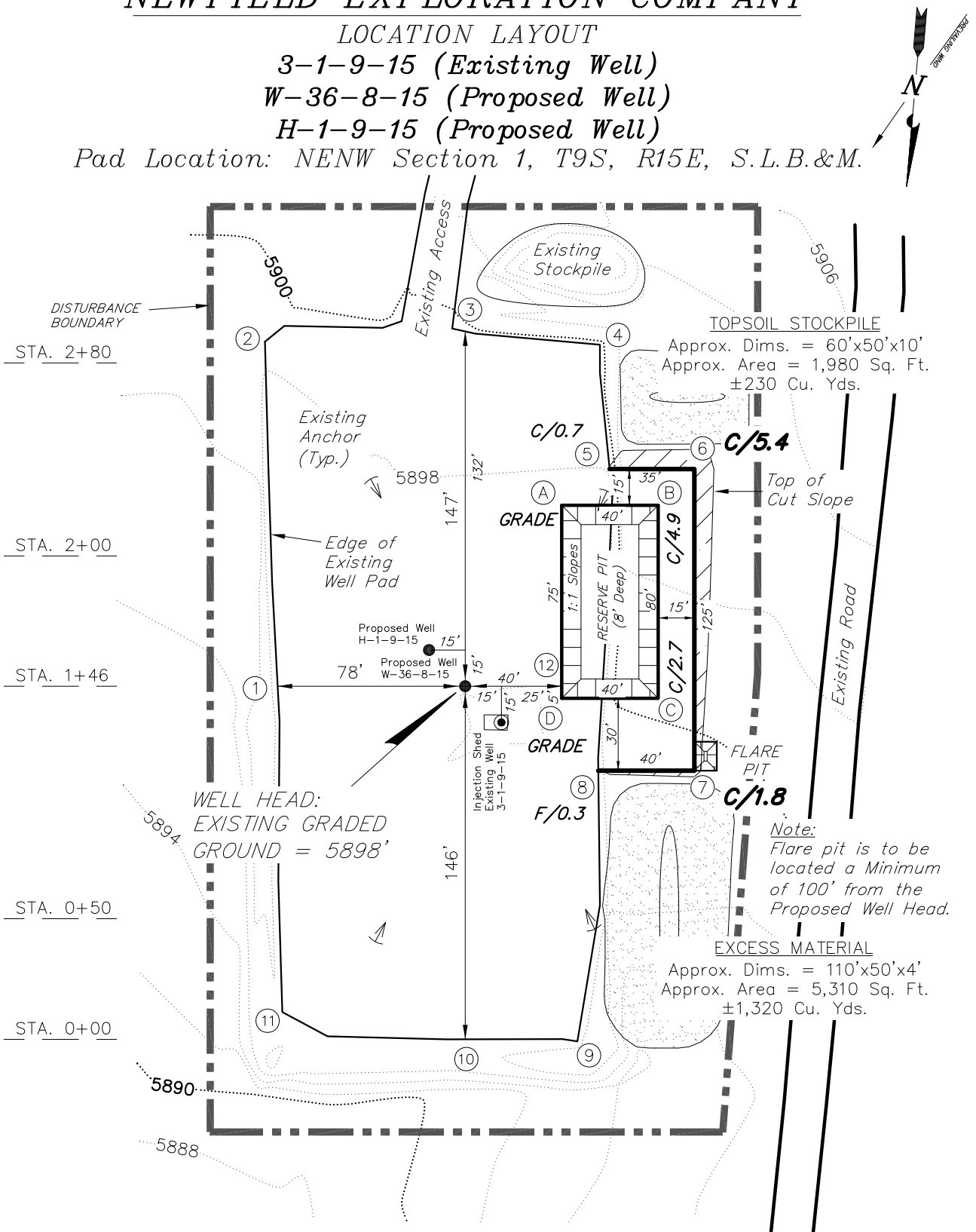
RECEIVED: October 04, 2012

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

### 3-1-9-15 (Existing Well)
### W-36-8-15 (Proposed Well)
### H-1-9-15 (Proposed Well)

Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.




NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,550 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.

| | | | |
|---|---|---|---|
| SURVEYED BY: W.H. | DATE SURVEYED: 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: M.W. | DATE DRAWN: 03-13-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: R.B.T. 06-19-12 | | |

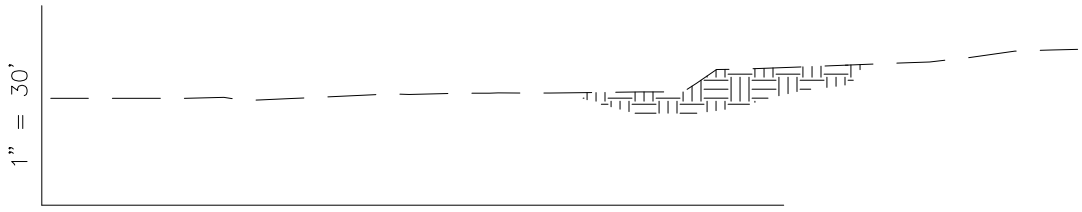
RECEIVED: October 04, 2012

# NEWFIELD EXPLORATION COMPANY

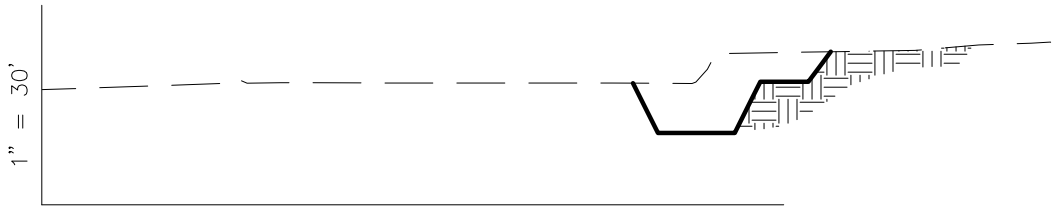
## CROSS SECTIONS

### 3-1-9-15 (Existing Well)
### W-36-8-15 (Proposed Well)
### H-1-9-15 (Proposed Well)

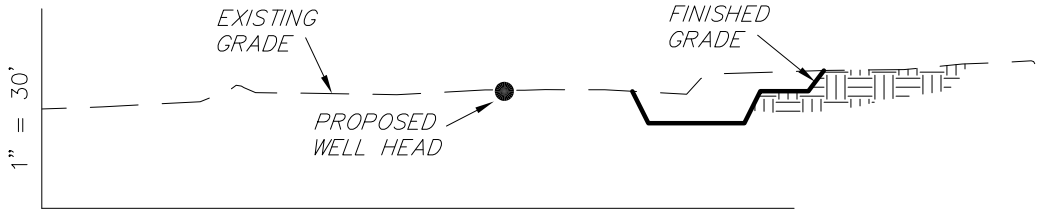
Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.



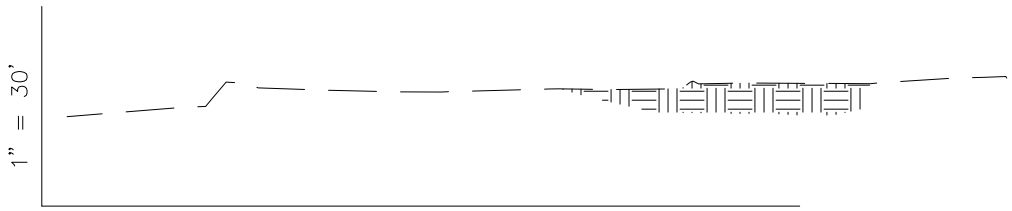

STA. 2+80




STA. 2+00




STA. 1+46




STA. 0+50

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

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|---|---|---|---|---|
| PAD | 520 | 10 | Topsoil is not included in Pad Cut | 510 |
| PIT | 690 | 0 | | 690 |
| TOTALS | 1,210 | 10 | 200 | 1,200 |

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

| | | | |
|---|---|---|---|
| SURVEYED BY: W.H. | DATE SURVEYED: 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: M.W. | DATE DRAWN: 03-13-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: R.B.T. 06-19-12 | | |

RECEIVED: October 04, 2012

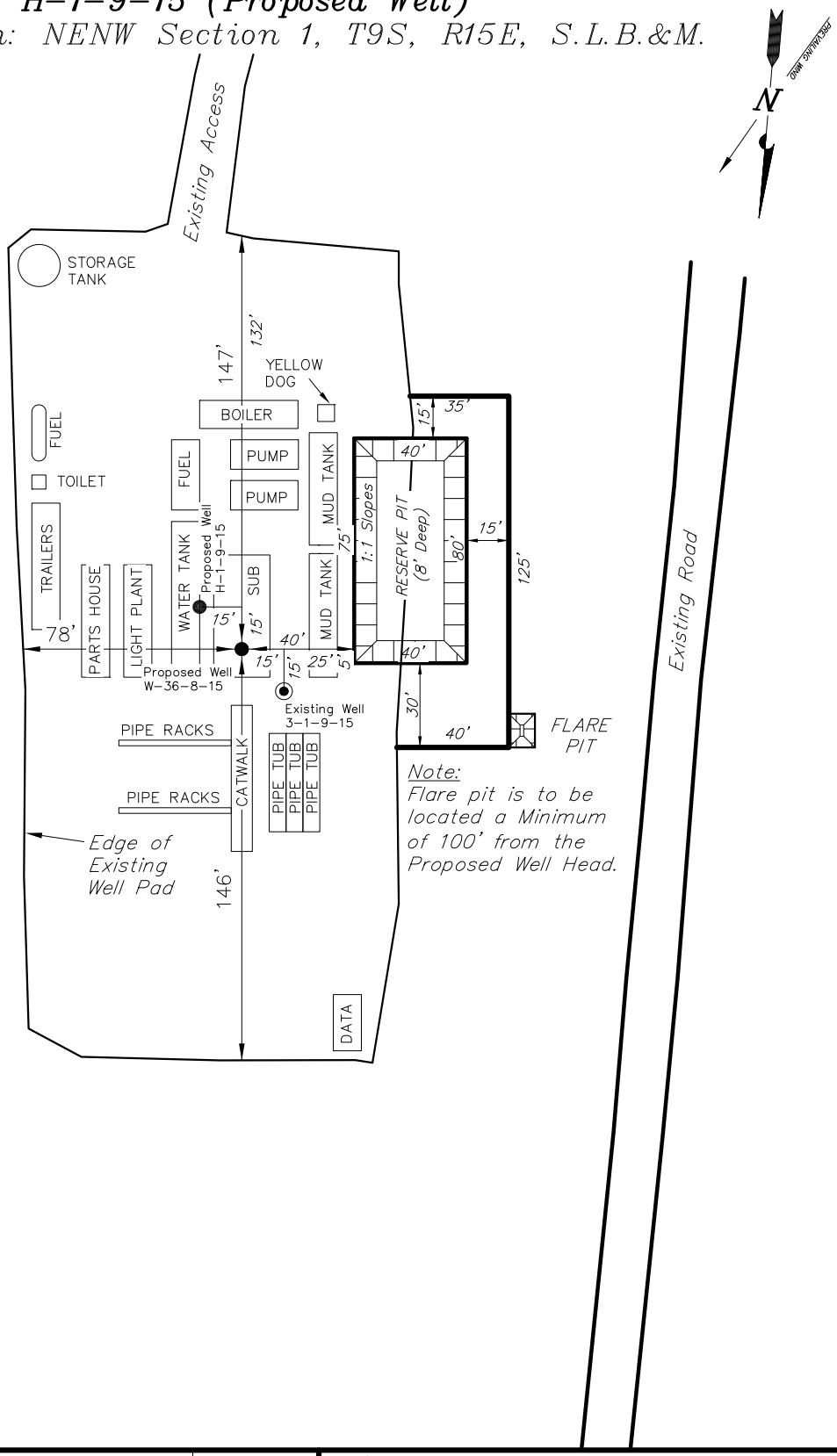
API Well Number: 43013517710000

# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

**3-1-9-15 (Existing Well)**
**W-36-8-15 (Proposed Well)**
**H-1-9-15 (Proposed Well)**

*Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.*




| | | | |
|---|---|---|---|
| SURVEYED BY: W.H. | DATE SURVEYED: 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: M.W. | DATE DRAWN: 03-13-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: R.B.T. 06-19-12 | | |

RECEIVED: October 04, 2012

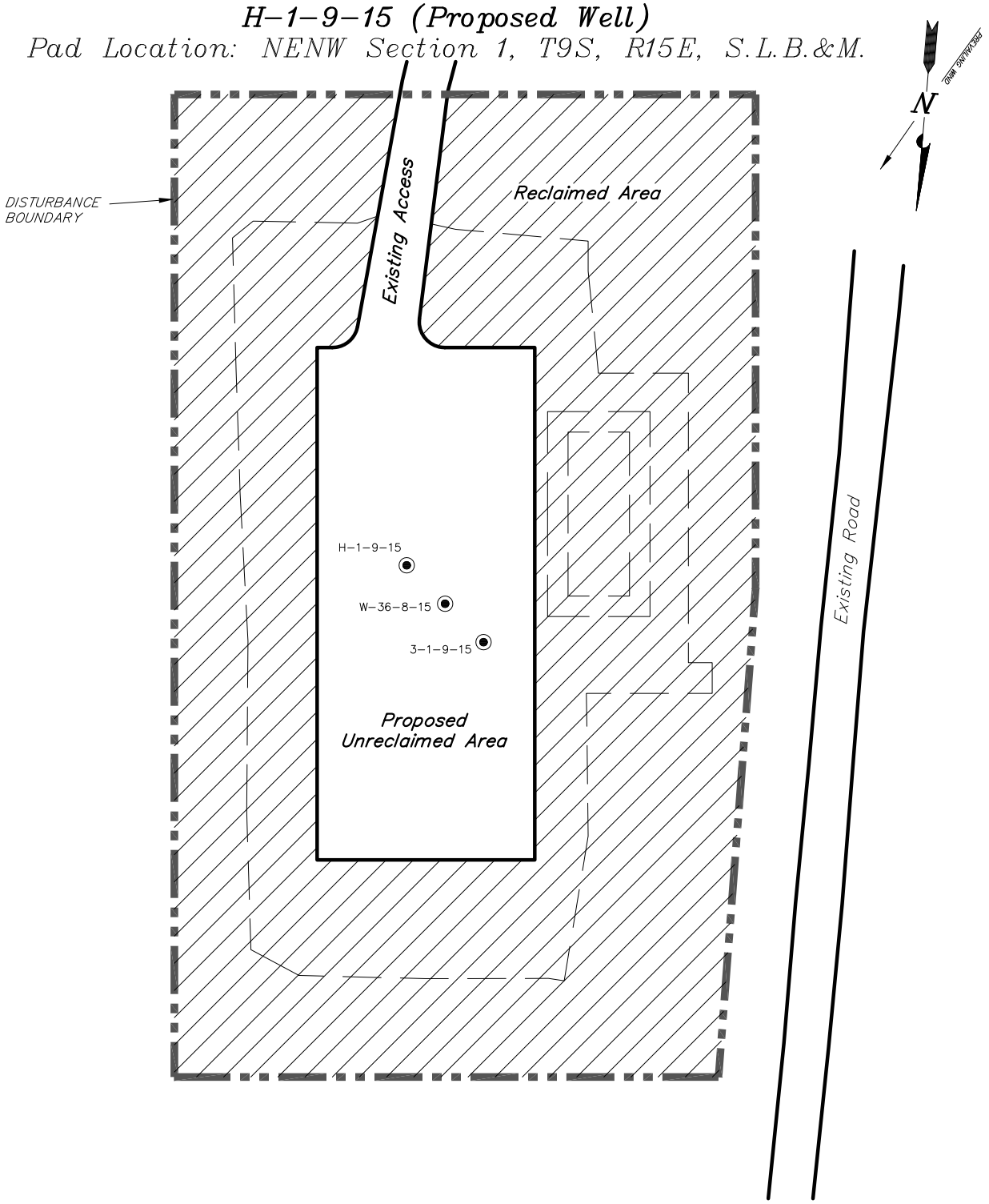
API Well Number: 43013517710000

# NEWFIELD EXPLORATION COMPANY

## RECLAMATION LAYOUT

### 3-1-9-15 (Existing Well)
### W-36-8-15 (Proposed Well)
### H-1-9-15 (Proposed Well)

Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.




Notes:
1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 1.97 ACRES
TOTAL RECLAIMED AREA = 1.53 ACRES
UNRECLAIMED AREA = 0.44 ACRES

| | | | |
|---|---|---|---|
| SURVEYED BY: W.H. | DATE SURVEYED: 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: R.B.T. | DATE DRAWN: 06-19-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: 1" = 60' | REVISED: | | |

RECEIVED: October 04, 2012

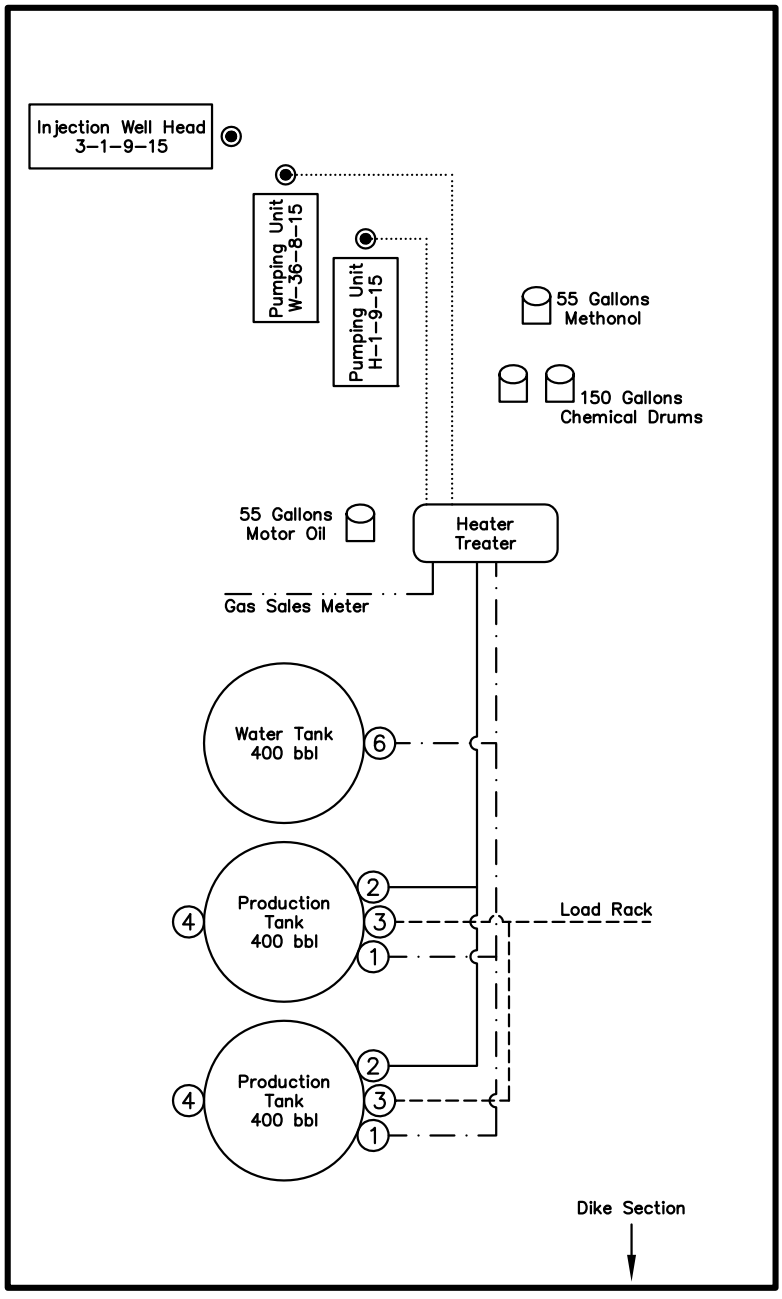
API Well Number: 43013517710000

# NEWFIELD EXPLORATION COMPANY

## PROPOSED SITE FACILITY DIAGRAM

### 3-1-9-15 (Existing Well)
### W-36-8-15 (Proposed Well) ML-43538
### H-1-9-15 (Proposed Well) UTU-74826

Pad Location: NENW Section 1, T9S, R15E, S.L.B.&M.
Duchesne County, Utah




**Legend**

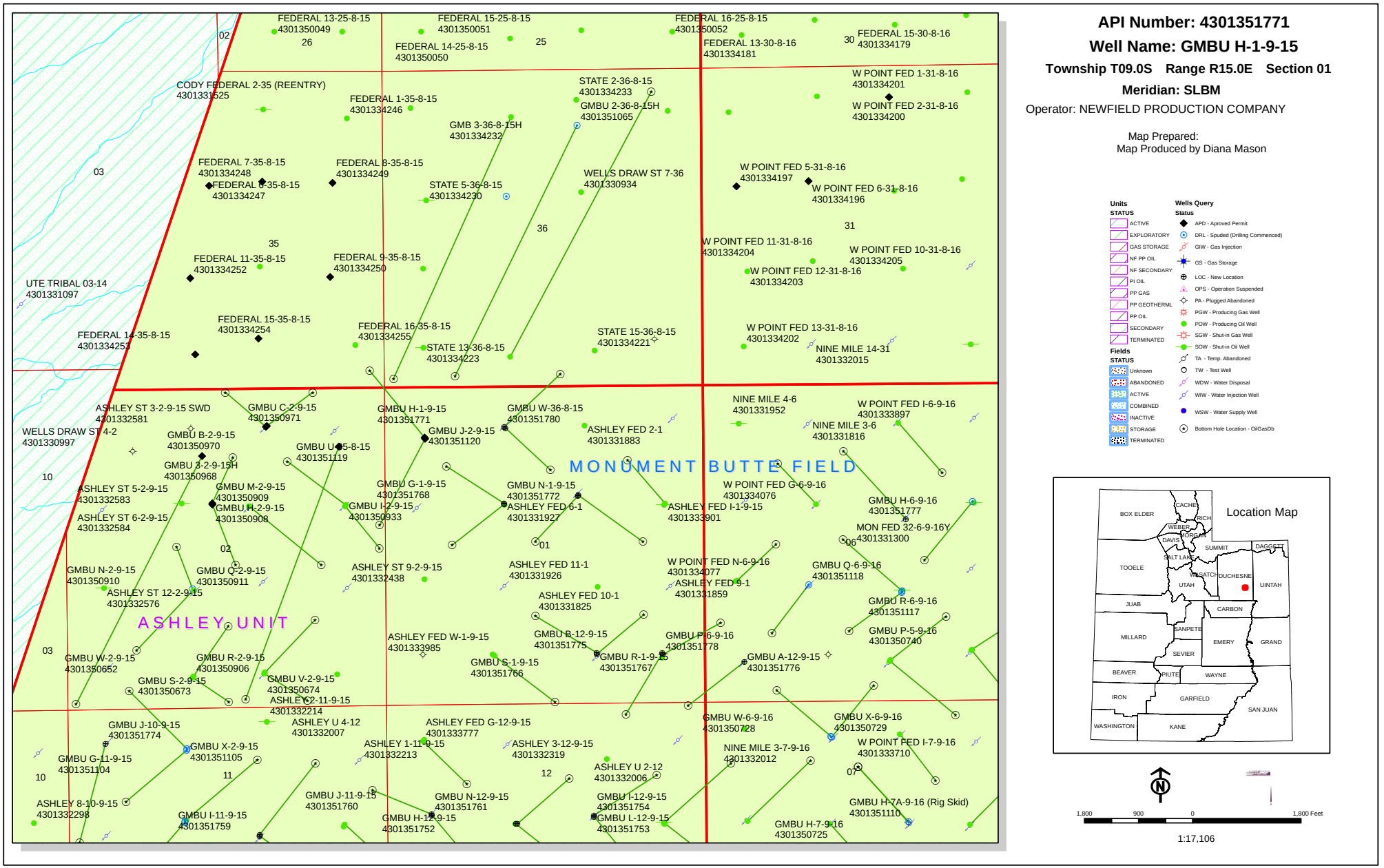
| | |
|---|---|
| Emulsion Line | ..... |
| Load Rack | - - - - - - - - |
| Water Line | — · — · — |
| Gas Sales | — · · — · · — |
| Oil Line | ——— |

NOT TO SCALE

| | | | | | |
|---|---|---|---|---|---|
| SURVEYED BY: | W.H. | DATE SURVEYED: | 03-09-12 | VERSION: | Tri State Land Surveying, Inc. (435) 781-2501 |
| DRAWN BY: | R.B.T. | DATE DRAWN: | 06-19-12 | V2 | 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 |
| SCALE: | NONE | REVISED: | | | |

RECEIVED: October 04, 2012

API Well Number: 43013517710000




**API Number: 4301351771**

**Well Name: GMBU H-1-9-15**

**Township T09.0S Range R15.0E Section 01**

**Meridian: SLBM**

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason







1:17,106

RECEIVED: October 10, 2012

NEWFIELD
ROCKY MOUNTAINS

*VIA ELECTRONIC DELIVERY*

October 10, 2012

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 H-1-9-15**
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 1: NENW (Lot 3) (UTU-74826)
686' FNL 2008' FWL

At Target: T9S-R15E Section 14: SWNE (UTU-74826)
1392' FNL 2545' FEL

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 10/4/2012, 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-exiting 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 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Leslie Burget
Land Associate

API Well Number: 43013517710000

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

# APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU74826

6. If Indian, Allottee or Tribe Name:

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.: GREATER MONUMENT

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

8. Lease Name and Well No.: GMBU H-1-9-15

2. Name of Operator: NEWFIELD PRODUCTION COMPANY
Contact: MANDIE CROZIER
E-Mail: mcrozier@newfield.com

9. API Well No.:

3a. Address: ROUTE #3 BOX 3630
MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-646-4825
Fx: 435-646-3031

10. Field and Pool, or Exploratory: MONUMENT BUTTE

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

At surface: NENW Lot 3 686FNL 2008FWL

At proposed prod. zone: SWNE 1392FNL 2545FEL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec 1 T9S R15E Mer SLB

14. Distance in miles and direction from nearest town or post office*: 13.1 MILES SOUTHWEST OF MYTON

12. County or Parish: DUCHESNE

13. State: UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 1392'

16. No. of Acres in Lease: 2189.90

17. Spacing Unit dedicated to this well: 20.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.: 848'

19. Proposed Depth: 6247 MD
6150 TVD

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KB, RT, GL, etc.: 5898 GL

22. Approximate date work will start: 01/01/2013

23. Estimated duration: 7 DAYS

## 24. Attachments

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

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

25. Signature: (Electronic Submission)

Name (Printed/Typed): MANDIE CROZIER Ph: 435-646-4825

Date: 10/04/2012

Title: REGULATORY ANALYST

Approved by (Signature):

Name (Printed/Typed):

Date:

Title:

Office:

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

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

**Additional Operator Remarks (see next page)**

**Electronic Submission #153427 verified by the BLM Well Information System**
**For NEWFIELD PRODUCTION COMPANY, sent to the Vernal**

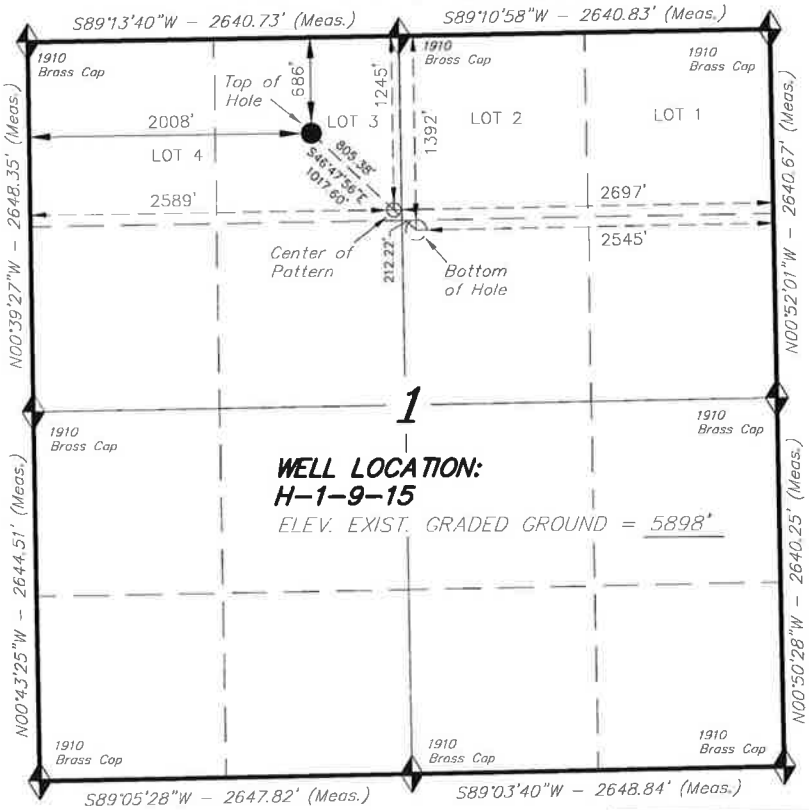
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

**Additional Operator Remarks:**

SURFACE LEASE: UTU-74826
BOTTOM HOLE LEASE: UTU-74826

API Well Number: 43013517710000

# T9S, R15E, S.L.B.&M.



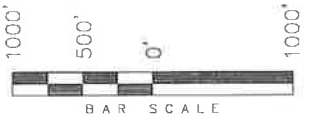

= SECTION CORNERS LOCATED

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'

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, H-1-9-15, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 (LOT 3) OF SECTION 1, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, H-1-9-15, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 1, T9S, R15E, 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.

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

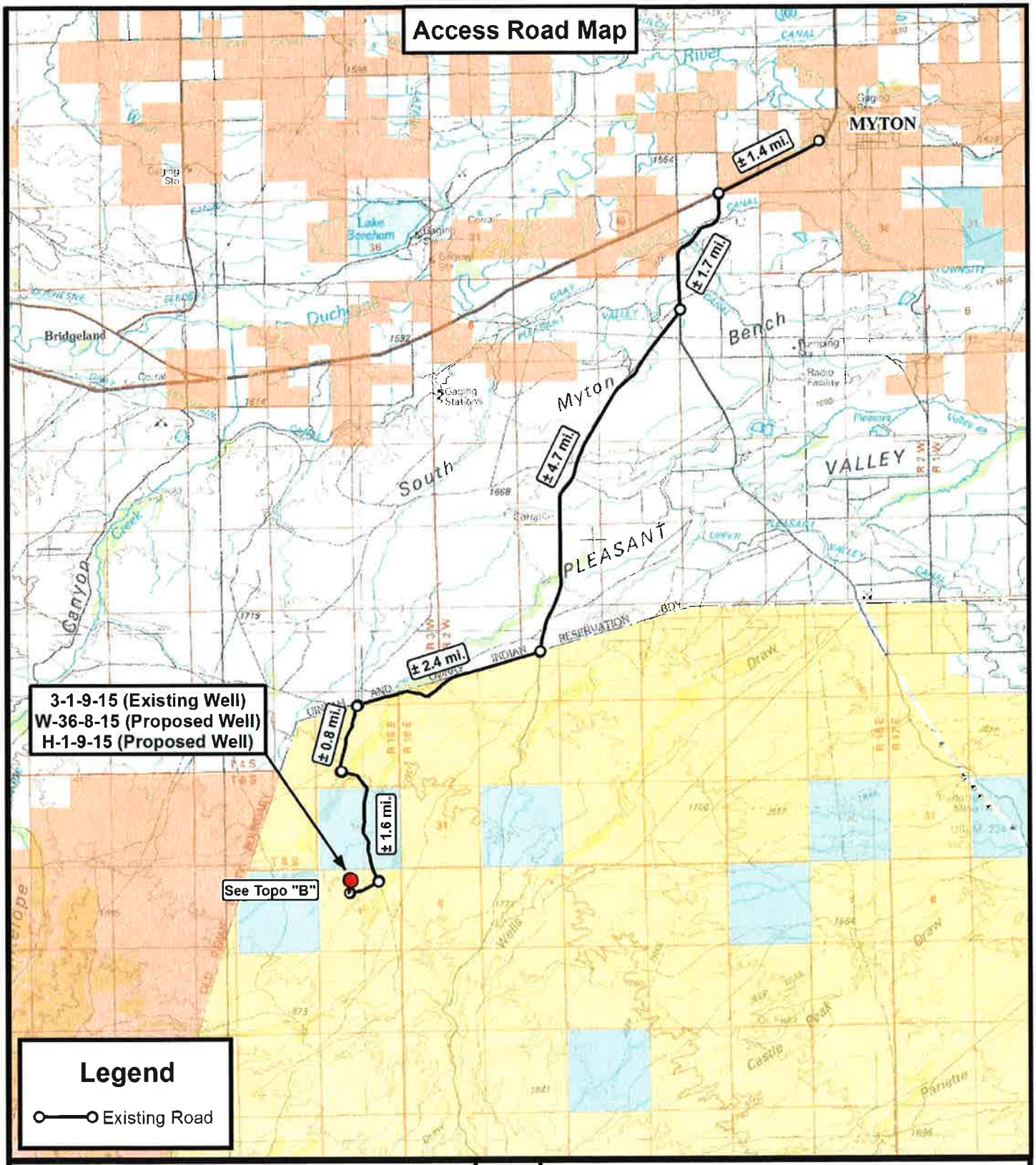
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH
06-19-12
STACY W. STEWART

| NAD 83 (SURFACE LOCATION) |
|---|
| LATITUDE = 40°03'55.17" |
| LONGITUDE = 110°10'52.87" |
| NAD 27 (SURFACE LOCATION) |
| LATITUDE = 40°03'55.31" |
| LONGITUDE = 110°10'55.32" |
| NAD 83 (BOTTOM HOLE LOCATION) |
| LATITUDE = 40°03'48.18" |
| LONGITUDE = 110°10'48.46" |
| NAD 27 (BOTTOM HOLE LOCATION) |
| LATITUDE = 40°03'48.32" |
| LONGITUDE = 110°10'45.91" |


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


| | | |
|---|---|---|
| DATE SURVEYED: 03-09-12 | SURVEYED BY: W.H. | VERSION: |
| DATE DRAWN: 06-19-12 | DRAWN BY: R.B.T. | V2 |
| REVISED: | SCALE: 1" = 1000' | |

API Well Number: 43013517710000





Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518


N

**NEWFIELD EXPLORATION COMPANY**

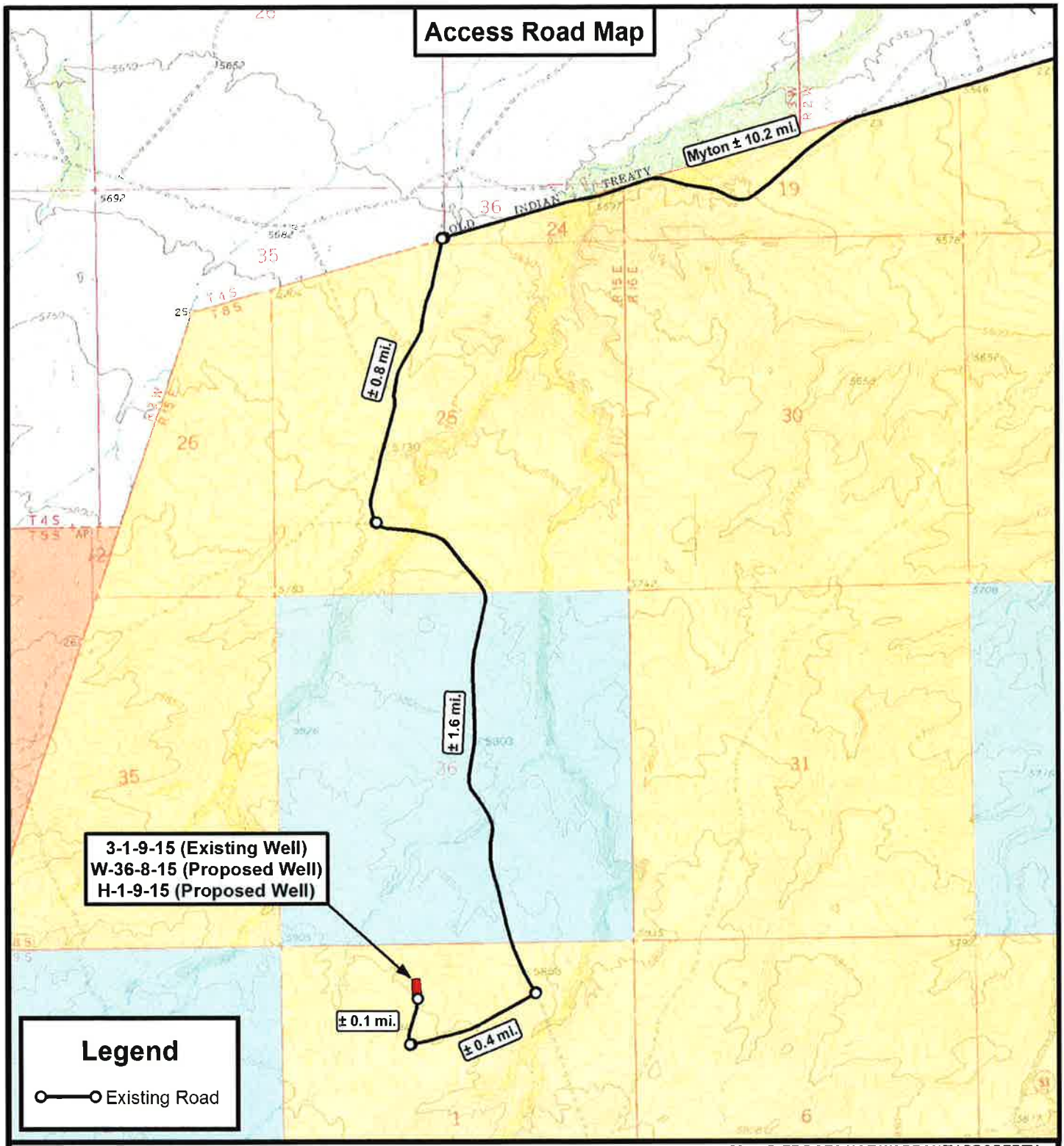
3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
|---|---|---|---|
| DATE: | 06-19-2012 | | V2 |
| SCALE: | 1:100,000 | | |

**TOPOGRAPHIC MAP**

SHEET A

API Well Number: 43013517710000




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


N

**NEWFIELD EXPLORATION COMPANY**

3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

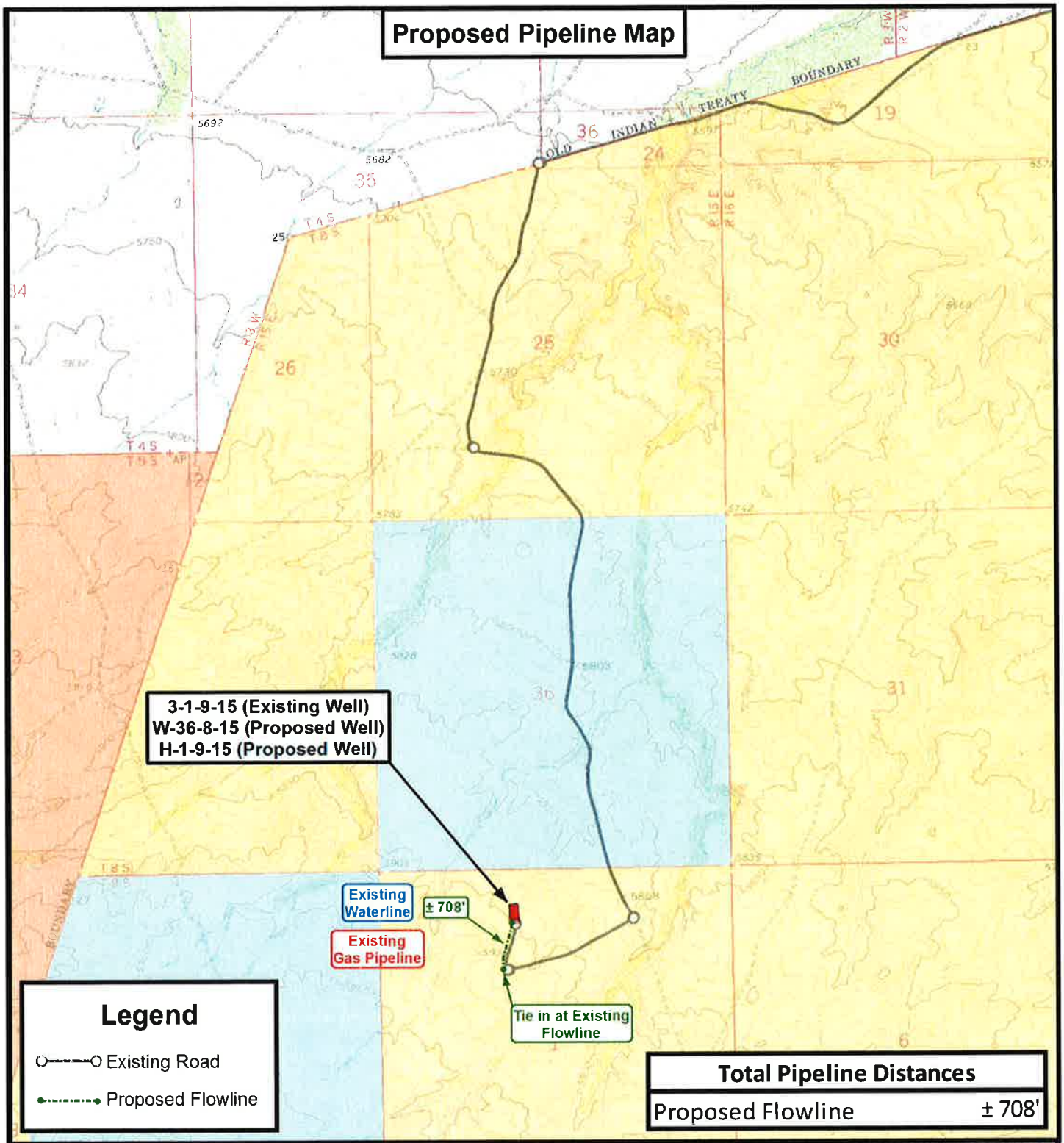
| DRAWN BY: | A.P.C. | REVISED: 06-19-12 A.P.C. | VERSION: |
|---|---|---|---|
| DATE: | 03-13-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013517710000

# Proposed Pipeline Map




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


N

## NEWFIELD EXPLORATION COMPANY

3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

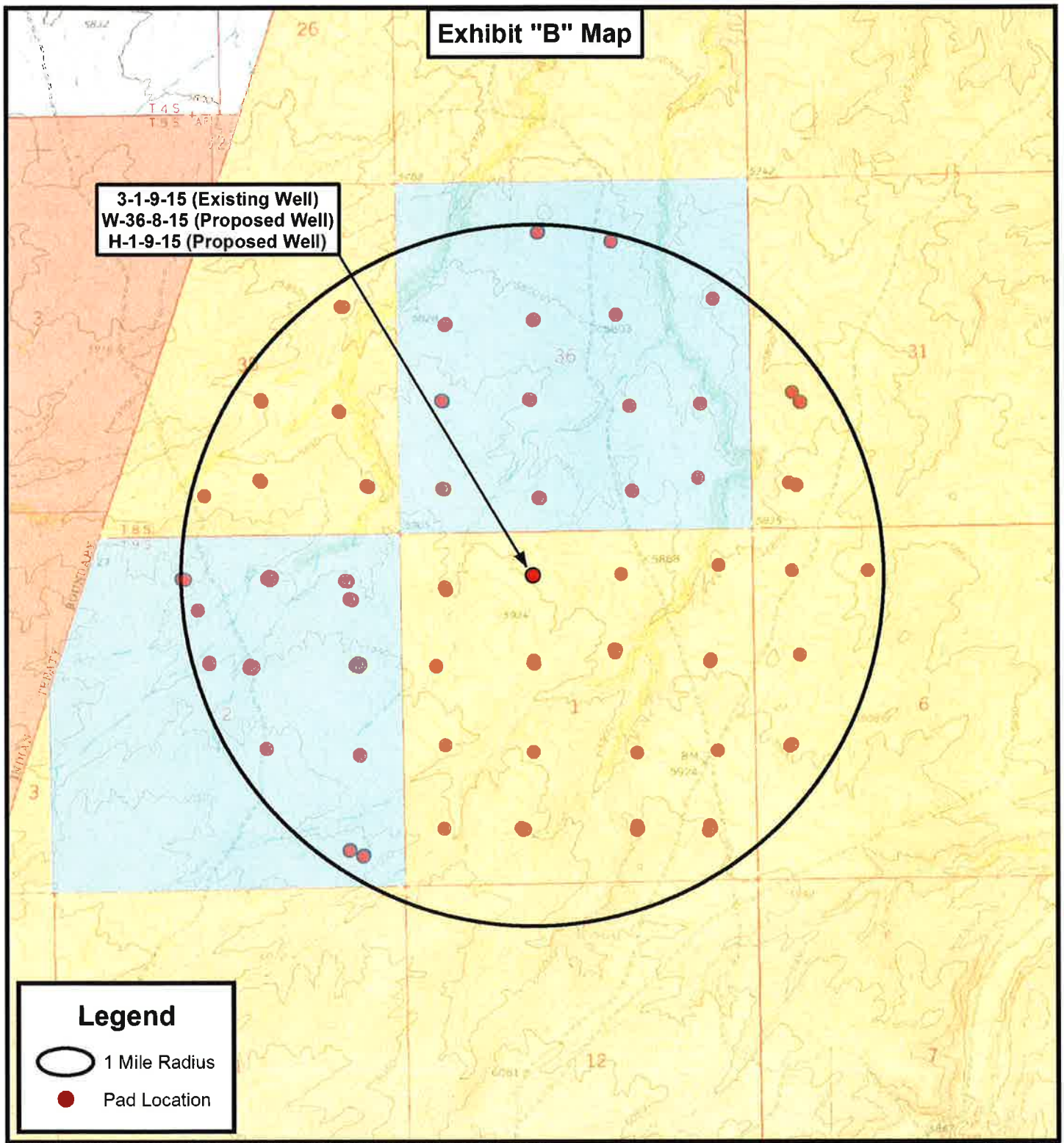
| DRAWN BY: | A.P.C. | REVISED: 06-19-12 A.P.C. | VERSION: |
|---|---|---|---|
| DATE: | 03-13-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013517710000

# Exhibit "B" Map




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


N

**NEWFIELD EXPLORATION COMPANY**

3-1-9-15 (Existing Well)
W-36-8-15 (Proposed Well)
H-1-9-15 (Proposed Well)
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

| DRAWN BY: | A.P.C. | REVISED: | VERSION: |
|---|---|---|---|
| DATE: | 06-19-2012 | | V2 |
| SCALE: | 1 " = 2,000 ' | | |

TOPOGRAPHIC MAP

SHEET D

# 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)**

October 15, 2012

Memorandum

To: Assistant Field Manager Minerals, Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 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 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|
| (Proposed PZ GREEN RIVER) | | |
| 43-013-51751 | GMBU M-12-9-15 | Sec 12 T09S R15E 1999 FNL 2133 FWL<br>BHL Sec 12 T09S R15E 2595 FSL 2324 FEL |
| 43-013-51752 | GMBU H-12-9-15 | Sec 12 T09S R15E 1996 FNL 2154 FWL<br>BHL Sec 12 T09S R15E 1252 FNL 2274 FEL |
| 43-013-51753 | GMBU L-12-9-15 | Sec 12 T09S R15E 1891 FNL 1870 FEL<br>BHL Sec 12 T09S R15E 2242 FSL 0941 FEL |
| 43-013-51754 | GMBU I-12-9-15 | Sec 12 T09S R15E 1869 FNL 1870 FEL<br>BHL Sec 12 T09S R15E 1205 FNL 0818 FEL |
| 43-013-51755 | GMBU W-12-9-15 | Sec 13 T09S R15E 0701 FNL 1912 FEL<br>BHL Sec 12 T09S R15E 0389 FSL 2545 FWL |
| 43-013-51756 | GMBU X-12-9-15 | Sec 13 T09S R15E 0824 FNL 0535 FWL<br>BHL Sec 12 T09S R15E 0176 FSL 1580 FWL |
| 43-013-51757 | GMBU R-11-9-15 | Sec 11 T09S R15E 0654 FSL 1992 FWL<br>BHL Sec 11 T09S R15E 1514 FSL 2481 FEL |
| 43-013-51758 | GMBU L-11-9-15 | Sec 11 T09S R15E 2143 FNL 2131 FEL<br>BHL Sec 11 T09S R15E 2443 FSL 1221 FEL |

RECEIVED: October 16, 2012

| API # | WELL NAME | LOCATION |
|---|---|---|
| (Proposed PZ GREEN RIVER) | | |
| 43-013-51759 | GMBU I-11-9-15 | Sec 11 T09S R15E 2122 FNL 2129 FEL |
| | | BHL Sec 11 T09S R15E 0948 FNL 1189 FEL |
| 43-013-51760 | GMBU J-11-9-15 | Sec 12 T09S R15E 1822 FNL 0728 FWL |
| | | BHL Sec 11 T09S R15E 1408 FNL 0251 FEL |
| 43-013-51761 | GMBU N-12-9-15 | Sec 12 T09S R15E 1841 FNL 0737 FWL |
| | | BHL Sec 12 T09S R15E 2415 FSL 1581 FWL |
| 43-013-51762 | GMBU Q-12-9-15 | Sec 12 T09S R15E 0502 FSL 0675 FWL |
| | | BHL Sec 12 T09S R15E 1506 FSL 1464 FWL |
| 43-013-51763 | GMBU C-14-9-15 | Sec 11 T09S R15E 0639 FSL 2006 FWL |
| | | BHL Sec 14 T09S R15E 0155 FNL 2490 FEL |
| 43-013-51764 | GMBU M-14-9-15 | Sec 14 T09S R15E 1811 FNL 2069 FWL |
| | | BHL Sec 14 T09S R15E 2466 FSL 2503 FEL |
| 43-013-51765 | GMBU G-14-9-15 | Sec 14 T09S R15E 1801 FNL 2050 FWL |
| | | BHL Sec 14 T09S R15E 1158 FNL 1215 FWL |
| 43-013-51766 | GMBU S-1-9-15 | Sec 01 T09S R15E 0820 FSL 1795 FEL |
| | | BHL Sec 01 T09S R15E 1466 FSL 1013 FEL |
| 43-013-51767 | GMBU R-1-9-15 | Sec 01 T09S R15E 0840 FSL 1801 FEL |
| | | BHL Sec 01 T09S R15E 1463 FSL 2488 FWL |
| 43-013-51768 | GMBU G-1-9-15 | Sec 01 T09S R15E 1940 FNL 1975 FWL |
| | | BHL Sec 01 T09S R15E 1320 FNL 1023 FWL |
| 43-013-51769 | GMBU L-1-9-15 | Sec 01 T09S R15E 1814 FNL 2084 FEL |
| | | BHL Sec 01 T09S R15E 2601 FNL 1017 FEL |
| 43-013-51770 | GMBU M-1-9-15 | Sec 01 T09S R15E 1833 FNL 2093 FEL |
| | | BHL Sec 01 T09S R15E 2577 FNL 2497 FWL |
| 43-013-51771 | GMBU H-1-9-15 | Sec 01 T09S R15E 0686 FNL 2008 FWL |
| | | BHL Sec 01 T09S R15E 1392 FNL 2545 FEL |
| 43-013-51772 | GMBU N-1-9-15 | Sec 01 T09S R15E 1961 FNL 1978 FWL |
| | | BHL Sec 01 T09S R15E 2634 FNL 1108 FWL |
| 43-013-51773 | GMBU J-14-9-15 | Sec 13 T09S R15E 0818 FNL 0515 FWL |
| | | BHL Sec 14 T09S R15E 1446 FNL 0062 FEL |
| 43-013-51774 | GMBU J-10-9-15 | Sec 11 T09S R15E 0568 FNL 0619 FWL |
| | | BHL Sec 10 T09S R15E 1532 FNL 0044 FEL |
| 43-013-51775 | GMBU B-12-9-15 | Sec 01 T09S R15E 0824 FSL 0711 FEL |
| | | BHL Sec 12 T09S R15E 0188 FNL 1324 FEL |

RECEIVED: October 16, 2012

| API # | WELL NAME | LOCATION |
|---|---|---|
| (Proposed PZ GREEN RIVER) | | |
| 43-013-51776 | GMBU A-12-9-15 | Sec 06 T09S R16E 0669 FSL 0653 FWL |
| | | BHL Sec 12 T09S R15E 0052 FNL 0283 FEL |
| 43-013-51777 | GMBU H-6-9-16 | Sec 06 T09S R16E 2258 FNL 1777 FEL |
| | | BHL Sec 06 T09S R16E 1111 FNL 2329 FWL |
| 43-013-51778 | GMBU P-6-9-16 | Sec 01 T09S R15E 0804 FSL 0702 FEL |
| | | BHL Sec 06 T09S R16E 1321 FSL 0267 FWL |
| 43-013-51779 | GMBU T-32-8-16 | Sec 33 T08S R16E 0615 FSL 0485 FWL |
| | | BHL Sec 32 T08S R16E 1494 FSL 0116 FEL |
| 43-013-51780 | GMBU W-36-8-15 | Sec 01 T09S R15E 0672 FNL 1992 FWL |
| | | BHL Sec 36 T08S R15E 0201 FSL 2368 FEL |

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: 2012.10.15 15:29:00 -06'00'

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

MCoulthard:mc:10-15-12

RECEIVED: October 16, 2012

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 10/4/2012 **API NO. ASSIGNED:** 43013517710000
**WELL NAME:** GMBU H-1-9-15
**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NENW 01 090S 150E **Permit Tech Review:** ☑
**SURFACE:** 0686 FNL 2008 FWL **Engineering Review:** ☐
**BOTTOM:** 1392 FNL 2545 FEL **Geology Review:** ☑
**COUNTY:** DUCHESNE
**LATITUDE:** 40.06533 **LONGITUDE:** -110.18282
**UTM SURF EASTINGS:** 569688.00 **NORTHINGS:** 4435328.00
**FIELD NAME:** MONUMENT BUTTE
**LEASE TYPE:** 1 - Federal
**LEASE NUMBER:** UTU-74826 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
**SURFACE OWNER:** 1 - Federal **COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling 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:**
4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: November 01, 2012

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 H-1-9-15
**API Well Number:** 43013517710000
**Lease Number:** UTU-74826
**Surface Owner:** FEDERAL
**Approval Date:** 11/1/2012

**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:**
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

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).

**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 at 801-538-5284

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

**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

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-74826

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

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU H-1-9-15

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013517710000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0686 FNL 2008 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NENW Section: 01 Township: 09.0S Range: 15.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 11/1/2013 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

Newfield proposes to extend the Application for Permit to Drill this well.

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

**Date:** October 16, 2013

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 10/9/2013 |

RECEIVED: Oct. 16, 2013

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

# Request for Permit Extension Validation Well Number 43013517710000

**API:** 43013517710000
**Well Name:** GMBU H-1-9-15
**Location:** 0686 FNL 2008 FWL QTR NENW SEC 01 TWNP 090S RNG 150E MER S
**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY
**Date Original Permit Issued:** 11/1/2012

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

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

**Signature:** Mandie Crozier **Date:** 10/9/2013
**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Oct. 16, 2013

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU H-1-9-15
Qtr/Qtr NE/NW Section 1 Township 9S Range 15E
Lease Serial Number UTU-74826
API Number 43-013-51771

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

Date/Time 9/11/14 8:00 AM ☒ PM ☐

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

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 9/11/14 _____ 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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-74826

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

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU H-1-9-15

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013517710000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0686 FNL 2008 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NENW Section: 01 Township: 09.0S Range: 15.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ✓ SPUD REPORT Date of Spud: 9/11/2014 | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

09/11/14 drill 5' of 14" conductor. Drill f/5' to 346' KB of 12 1/4" hole. P/U and run 8 joints of 8 5/8" casing set depth 337' KB. On 9/15/14 Cement w/Halliburton w/155 sx of 15.8 # 1.19 yield G Neat Cement. Returned 8 bbls back to pit and bumped plug to 864 psi.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
October 02, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Cherei Neilson | 435 646-4883 | Drilling Techinacian |
| **SIGNATURE** N/A | | **DATE** 10/1/2014 |

NEWFIELD

# Casing

## Conductor

| Legal Well Name | Wellbore Name |
|---|---|
| GMBU H-1-9-15 | Original Hole |

| API/UWI | Surface Legal Location | Field Name | Well Type | Well Configuration Type |
|---|---|---|---|---|
| 43013517710000 | NENW Lot 3 686 FNL 2008 FWL Sec 1 T9S R15E | GMBU CTB2 | Development | Slant |

| Well RC | County | State/Province | Spud Date | Final Rig Release Date |
|---|---|---|---|---|
| 500348064 | Duchesne | Utah | | |

### Wellbore

| Wellbore Name | Kick Off Depth (ftKB) |
|---|---|
| Original Hole | |

| Section Des | Size (in) | Actual Top Depth (MD) (ftKB) | Actual Bottom Depth (MD) (ftKB) | Start Date | End Date |
|---|---|---|---|---|---|
| Conductor | 14 | 11 | 16 | 9/11/2014 | 9/11/2014 |

### Wellhead

| Type | Install Date | Service | Comment |
|---|---|---|---|
| | | | |

### Wellhead Components

| Des | Make | Model | SN | WP Top (psi) |
|---|---|---|---|---|
| | | | | |

### Casing

| Casing Description | Set Depth (ftKB) | Run Date | Set Tension (kips) |
|---|---|---|---|
| Conductor | 16 | 9/11/2014 | |

| Centralizers | Scratchers |
|---|---|
| | |

### Casing Components

| Item Des | OD (in) | ID (in) | Wt (lb/ft) | Grade | Top Thread | Jts | Len (ft) | Top (ftKB) | Btm (ftKB) | Mk-up Tq (ft•lb) | Class | Max OD (in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conductor | 14 | 13.500 | 36.75 | H-40 | Welded | 1 | 5.00 | 11.0 | 16.0 | | | |

### Jewelry Details

#### External Casing Packer

| Type | Setting Requirement | Release Requirements | Inflation Method | Vol Inflation (gal) | Equiv Hole Sz (in) |
|---|---|---|---|---|---|
| | | | | | |

| Inflation Fluid Type | Infl Fl Dens (lb/gal) | P AV Set (psi) | AV Acting Pressure (psi) | P ICV Set (psi) | P ICV Act (psi) | ECP Load (1000lbf) | Seal Load (1000lbf) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

#### Slotted Liner

| % Open Area (%) | Perforation Min Dimension (in) | Perforation Max Dimension (in) | Axial Perf Spacing (ft) | Perf Rows | Blank Top Length (ft) | Blank Bottom Length (ft) |
|---|---|---|---|---|---|---|
| | | | | | | |

| Slot Description | Slot Pattern | Slot Length (in) | Slot Width (in) | Slot Frequency | Screen Gauge (ga) |
|---|---|---|---|---|---|
| | | | | | |

#### Liner Hanger

| Retrievable? | Elastomer Type | Element Center Depth (ft) | Polish Bore Size (in) | Polish Bore Length (ft) |
|---|---|---|---|---|
| | | | | |

| Slip Description | Set Mechanics |
|---|---|
| | |

| Setting Procedure |
|---|
| |

| Unsetting Procedure |
|---|
| |



RECEIVED: Oct. 01, 2014

NEWFIELD

# Casing

## Surface

| Legal Well Name | Wellbore Name |
|---|---|
| GMBU H-1-9-15 | Original Hole |

| API/UWI | Surface Legal Location | Field Name | Well Type | Well Configuration Type |
|---|---|---|---|---|
| 43013517710000 | NENW Lot 3 686 FNL 2008 FWL Sec 1 T9S R15E | GMBU CTB2 | Development | Slant |

| Well RC | County | State/Province | Spud Date | Final Rig Release Date |
|---|---|---|---|---|
| 500348064 | Duchesne | Utah | | |

### Wellbore

| Wellbore Name | Kick Off Depth (ftKB) |
|---|---|
| Original Hole | |

| Section Des | Size (in) | Actual Top Depth (MD) (ftKB) | Actual Bottom Depth (MD) (ftKB) | Start Date | End Date |
|---|---|---|---|---|---|
| Conductor | 14 | 11 | 16 | 9/11/2014 | 9/11/2014 |
| Vertical | 12 1/4 | 16 | 346 | 9/11/2014 | 9/11/2014 |

### Wellhead

| Type | Install Date | Service | Comment |
|---|---|---|---|
| | | | |

### Wellhead Components

| Des | Make | Model | SN | WP Top (psi) |
|---|---|---|---|---|
| | | | | |

### Casing

| Casing Description | Set Depth (ftKB) | Run Date | Set Tension (kips) |
|---|---|---|---|
| Surface | 337 | 9/11/2014 | |

| Centralizers | Scratchers |
|---|---|
| | |

### Casing Components

| Item Des | OD (in) | ID (in) | Wt (lb/ft) | Grade | Top Thread | Jts | Len (ft) | Top (ftKB) | Btm (ftKB) | Mk-up Tq (ft•lb) | Class | Max OD (in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wellhead | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 1 | 1.80 | 11.0 | 12.8 | | | |
| Cut Off | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 1 | 38.50 | 12.8 | 51.3 | | | |
| Casing Joints | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 6 | 243.68 | 51.3 | 295.0 | | | |
| Float Collar | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 1 | 1.00 | 295.0 | 296.0 | | | |
| Shoe Joint | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 1 | 39.53 | 296.0 | 335.5 | | | |
| Guide Shoe | 8 5/8 | 8.097 | 24.00 | J-55 | ST&C | 1 | 1.50 | 335.5 | 337.0 | | | |

### Jewelry Details

#### External Casing Packer

| Type | Setting Requirement | Release Requirements | Inflation Method | Vol Inflation (gal) | Equiv Hole Sz (in) |
|---|---|---|---|---|---|
| | | | | | |

| Inflation Fluid Type | Infl Fl Dens (lb/gal) | P AV Set (psi) | AV Acting Pressure (psi) | P ICV Set (psi) | P ICV Act (psi) | ECP Load (1000lbf) | Seal Load (1000lbf) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

#### Slotted Liner

| % Open Area (%) | Perforation Min Dimension (in) | Perforation Max Dimension (in) | Axial Perf Spacing (ft) | Perf Rows | Blank Top Length (ft) | Blank Bottom Length (ft) |
|---|---|---|---|---|---|---|
| | | | | | | |

| Slot Description | Slot Pattern | Slot Length (in) | Slot Width (in) | Slot Frequency | Screen Gauge (ga) |
|---|---|---|---|---|---|
| | | | | | |

#### Liner Hanger

| Retrievable? | Elastomer Type | Element Center Depth (ft) | Polish Bore Size (in) | Polish Bore Length (ft) |
|---|---|---|---|---|
| | | | | |

| Slip Description | Set Mechanics |
|---|---|
| | |

| Setting Procedure |
|---|
| |

| Unsetting Procedure |
|---|
| |



RECEIVED: Oct. 01, 2014

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Alfredo Beltran Phone Number 435-401-1955
Well Name/Number GMBU H-1-9-15
Qtr/Qtr NE/NW Section 1 Township 9S Range 15E
Lease Serial Number UTU-74826
API Number 43-013-51771

TD Notice – TD is the final drilling depth of hole.

Date/Time 9/30/14 1:00 AM ☒ PM ☐

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

☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 9/30/14 11:00 AM ☒ PM ☐

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-74826

## SUNDRY NOTICES AND REPORTS ON WELLS

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

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

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU H-1-9-15

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013517710000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0686 FNL 2008 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NENW Section: 01 Township: 09.0S Range: 15.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>10/21/2014 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ✓ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

The above well was placed on production on 10/21/2014 at 14:45 hours.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
November 12, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Jennifer Peatross | 435 646-4885 | Production Technician |
| **SIGNATURE** N/A | | **DATE** 11/11/2014 |

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU74826

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: UTU87538X

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: GMBU H-1-9-15

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

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

9. API Well No.: 43-013-51771

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

At surface: 686' FNL 2008' FWL (NE/NW, LOT 3) SEC 1 T9S R15E (UTU-74826)

At top prod. interval reported below: 1146' FNL 2481' FWL (NE/NW, LOT 3) SEC 1 T9S R15E (UTU-74826)

At total depth: 1398' FNL 2544' FEL (SW/NE) SEC 1 T9S R15E (UTU-74826)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 1 T9S R15E Mer SLB

12. County or Parish: DUCHESNE

13. State: UT

| 14. Date Spudded | 15. Date T.D. Reached | 16. Date Completed | 17. Elevations (DF, RKB, RT, GL)* |
|---|---|---|---|
| 09/11/2014 | 10/02/2014 | ☐ D & A ☑ Ready to Prod. 10/21/2014 | 5898' GL 5909' KB |

| 18. Total Depth: | 19. Plug Back T.D.: | 20. Depth Bridge Plug Set: |
|---|---|---|
| MD 6394' TVD 6299' | MD 6365' TVD | MD TVD |

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, 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' | 337' | | 155 CLASS G | | | |
| 7-7/8" | 5-1/2" J-55 | 15.50 | 0' | 6390' | | 420 Econocem | | 0' | |
| | | | | | | 480Expandacem | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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@6193 | TA@6035' | | | | | | |

25. Producing Intervals / 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|
| A) Green River | 4358' | 6000' | 4358' - 6000' MD | 0.34 | 64 | |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 4358' - 6000' MD | Frac w/ 274,213#s of 20/40 white sand in 2,346 bbls of Lightning 17 fluid, in 4 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 |
|---|---|---|---|---|---|---|---|---|---|
| 10/21/14 | 10/31/14 | 24 | → | 43 | 0 | 119 | | | 2.5 X 1.75 X 20 X 20 X 22 RHAC |

| 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 |
|---|---|---|---|---|---|---|---|---|
| | | | → | | | | | |

*(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.)*

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|---|---|---|---|---|---|
| | | | | GARDEN GULCH MARK | 3800' |
| | | | | GARDEN GULCH 1 | 4020' |
| | | | | GARDEN GULCH 2 | 4135' |
| | | | | POINT 3 | 4395' |
| | | | | X MRKR | 4670' |
| | | | | Y MRKR | 4710' |
| | | | | DOUGLAS CREEK MRK | 4820' |
| | | | | BI CARBONATE MRK | 5065' |
| | | | | B LIMESTONE MRK | 5190' |
| | | | | CASTLE PEAK | 5715' |
| | | | | BASAL CARBONATE | 6150' |
| | | | | WASATCH | 6275' |

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)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 11/13/2014

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

(Continued on page 3)

Sundry Number: 57816 API Well Number: 43013517710000

NEWFIELD

# NEWFIELD EXPLORATION

**USGS Myton SW (UT)**
**SECTION 1**
**H-1-9-15**
**Wellbore #1**

**Design: Actual**

# End of Well Report

**06 October, 2014**

PAYZONE

NEWFIELD

# Payzone Directional

End of Well Report

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Project** USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | Utah Central Zone | | |

**Site** SECTION 1, SEC 1 T9S R15E

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 7,193,438.05 usft | **Latitude:** | 40° 3' 37.338 N |
| **From:** | Lat/Long | **Easting:** | 2,009,700.00 usft | **Longitude:** | 110° 10' 50.033 W |
| **Position Uncertainty:** | 0.0 usft | **Slot Radius:** | 13-3/16 " | **Grid Convergence:** | 0.85 ° |

**Well** H-1-9-15, SHL: 40 03 55.17 -110 10 57.87

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 7,195,233.14 usft | **Latitude:** | 40° 3' 55.170 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 2,009,064.16 usft | **Longitude:** | 110° 10' 57.870 W |
| **Position Uncertainty** | | 0.0 usft | **Wellhead Elevation:** | 5,909.0 usft | **Ground Level:** | 5,898.0 usft |

**Wellbore** Wellbore #1

| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
|---|---|---|---|---|---|
| | IGRF2010 | 9/22/2014 | 10.95 | 65.71 | 51,939 |

**Design** Actual

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | 1.0 | **Phase:** | ACTUAL | **Tie On Depth:** | 0.0 |

| **Vertical Section:** | **Depth From (TVD) (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Direction (°)** |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 134.26 |

**Survey Program** **Date** 10/6/2014

| **From (usft)** | **To (usft)** | **Survey (Wellbore)** | **Tool Name** | **Description** |
|---|---|---|---|---|
| 378.0 | 6,394.0 | Survey #1 (Wellbore #1) | MWD | MWD - Standard |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 378.0 | 0.75 | 16.84 | 378.0 | -1.1 | 2.4 | 0.7 | 0.20 | 0.20 | 0.00 |
| 409.0 | 0.44 | 42.46 | 409.0 | -1.2 | 2.6 | 0.9 | 1.29 | -1.00 | 82.65 |
| 440.0 | 0.62 | 74.14 | 440.0 | -1.2 | 2.8 | 1.1 | 1.09 | 0.58 | 102.19 |
| 470.0 | 0.57 | 94.36 | 470.0 | -1.0 | 2.8 | 1.4 | 0.72 | -0.17 | 67.40 |
| 501.0 | 0.83 | 119.58 | 501.0 | -0.6 | 2.7 | 1.8 | 1.28 | 0.84 | 81.35 |
| 532.0 | 1.14 | 123.93 | 532.0 | -0.1 | 2.4 | 2.2 | 1.03 | 1.00 | 14.03 |
| 563.0 | 1.27 | 125.87 | 563.0 | 0.5 | 2.0 | 2.7 | 0.44 | 0.42 | 6.26 |
| 593.0 | 1.37 | 130.79 | 593.0 | 1.2 | 1.6 | 3.3 | 0.50 | 0.33 | 16.40 |
| 624.0 | 1.67 | 140.41 | 624.0 | 2.0 | 1.0 | 3.8 | 1.27 | 0.97 | 31.03 |
| 655.0 | 2.02 | 139.18 | 654.9 | 3.0 | 0.3 | 4.5 | 1.14 | 1.13 | -3.97 |
| 686.0 | 2.20 | 137.64 | 685.9 | 4.2 | -0.6 | 5.2 | 0.61 | 0.58 | -4.97 |
| 716.0 | 2.50 | 135.49 | 715.9 | 5.4 | -1.5 | 6.1 | 1.04 | 1.00 | -7.17 |
| 747.0 | 3.08 | 136.02 | 746.9 | 6.9 | -2.6 | 7.1 | 1.87 | 1.87 | 1.71 |
| 778.0 | 3.38 | 135.14 | 777.8 | 8.7 | -3.8 | 8.4 | 0.98 | 0.97 | -2.84 |
| 809.0 | 3.36 | 138.62 | 808.7 | 10.5 | -5.1 | 9.6 | 0.66 | -0.06 | 11.23 |
| 840.0 | 3.38 | 142.08 | 839.7 | 12.3 | -6.5 | 10.8 | 0.66 | 0.06 | 11.16 |
| 870.0 | 3.56 | 141.42 | 869.6 | 14.1 | -8.0 | 11.9 | 0.61 | 0.60 | -2.20 |
| 901.0 | 3.91 | 140.85 | 900.6 | 16.1 | -9.5 | 13.2 | 1.14 | 1.13 | -1.84 |
| 932.0 | 4.39 | 142.26 | 931.5 | 18.3 | -11.3 | 14.6 | 1.58 | 1.55 | 4.55 |
| 963.0 | 4.79 | 141.64 | 962.4 | 20.8 | -13.3 | 16.1 | 1.30 | 1.29 | -2.00 |
| 993.0 | 5.36 | 139.49 | 992.3 | 23.4 | -15.3 | 17.8 | 2.00 | 1.90 | -7.17 |
| 1,024.0 | 5.89 | 140.50 | 1,023.1 | 26.4 | -17.6 | 19.7 | 1.74 | 1.71 | 3.26 |
| 1,055.0 | 6.33 | 140.85 | 1,054.0 | 29.7 | -20.2 | 21.8 | 1.42 | 1.42 | 1.13 |
| 1,101.0 | 6.81 | 140.19 | 1,099.6 | 34.9 | -24.2 | 25.2 | 1.06 | 1.04 | -1.43 |
| 1,144.0 | 7.21 | 136.81 | 1,142.3 | 40.2 | -28.2 | 28.7 | 1.34 | 0.93 | -7.86 |
| 1,190.0 | 7.78 | 134.79 | 1,187.9 | 46.2 | -32.5 | 32.8 | 1.36 | 1.24 | -4.39 |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 1,236.0 | 8.26 | 135.71 | 1,233.5 | 52.6 | -37.0 | 37.4 | 1.08 | 1.04 | 2.00 |
| 1,282.0 | 8.88 | 136.68 | 1,279.0 | 59.4 | -42.0 | 42.1 | 1.38 | 1.35 | 2.11 |
| 1,327.0 | 9.54 | 135.80 | 1,323.4 | 66.6 | -47.2 | 47.1 | 1.50 | 1.47 | -1.96 |
| 1,373.0 | 10.02 | 134.70 | 1,368.7 | 74.5 | -52.7 | 52.6 | 1.12 | 1.04 | -2.39 |
| 1,417.0 | 10.47 | 133.59 | 1,412.0 | 82.3 | -58.2 | 58.2 | 1.12 | 1.02 | -2.52 |
| 1,463.0 | 10.76 | 132.67 | 1,457.2 | 90.8 | -64.0 | 64.4 | 0.73 | 0.63 | -2.00 |
| 1,509.0 | 11.38 | 132.17 | 1,502.4 | 99.6 | -69.9 | 70.9 | 1.36 | 1.35 | -1.09 |
| 1,555.0 | 11.91 | 132.46 | 1,547.4 | 108.9 | -76.2 | 77.8 | 1.16 | 1.15 | 0.63 |
| 1,600.0 | 12.13 | 132.02 | 1,591.4 | 118.2 | -82.5 | 84.7 | 0.53 | 0.49 | -0.98 |
| 1,646.0 | 12.39 | 131.71 | 1,636.4 | 128.0 | -89.0 | 92.0 | 0.58 | 0.57 | -0.67 |
| 1,692.0 | 12.48 | 132.15 | 1,681.3 | 137.9 | -95.6 | 99.3 | 0.28 | 0.20 | 0.96 |
| 1,738.0 | 12.70 | 133.12 | 1,726.2 | 147.9 | -102.4 | 106.7 | 0.66 | 0.48 | 2.11 |
| 1,783.0 | 12.78 | 133.23 | 1,770.1 | 157.8 | -109.2 | 114.0 | 0.19 | 0.18 | 0.24 |
| 1,829.0 | 12.83 | 134.17 | 1,815.0 | 168.0 | -116.2 | 121.3 | 0.47 | 0.11 | 2.04 |
| 1,875.0 | 12.74 | 134.13 | 1,859.8 | 178.2 | -123.3 | 128.6 | 0.20 | -0.20 | -0.09 |
| 1,921.0 | 12.92 | 134.52 | 1,904.7 | 188.4 | -130.5 | 135.9 | 0.43 | 0.39 | 0.85 |
| 1,966.0 | 12.77 | 134.99 | 1,948.5 | 198.4 | -137.5 | 143.0 | 0.41 | -0.33 | 1.04 |
| 2,012.0 | 12.52 | 134.48 | 1,993.4 | 208.5 | -144.6 | 150.2 | 0.60 | -0.54 | -1.11 |
| 2,058.0 | 12.48 | 136.24 | 2,038.3 | 218.4 | -151.7 | 157.2 | 0.83 | -0.09 | 3.83 |
| 2,104.0 | 12.34 | 135.16 | 2,083.3 | 228.3 | -158.8 | 164.1 | 0.59 | -0.30 | -2.35 |
| 2,150.0 | 12.35 | 134.48 | 2,128.2 | 238.2 | -165.7 | 171.1 | 0.32 | 0.02 | -1.48 |
| 2,195.0 | 12.13 | 134.30 | 2,172.2 | 247.7 | -172.4 | 177.9 | 0.50 | -0.49 | -0.40 |
| 2,239.0 | 11.95 | 135.49 | 2,215.2 | 256.9 | -178.8 | 184.4 | 0.70 | -0.41 | 2.70 |
| 2,285.0 | 11.82 | 135.32 | 2,260.2 | 266.3 | -185.6 | 191.0 | 0.29 | -0.28 | -0.37 |
| 2,331.0 | 11.73 | 136.02 | 2,305.3 | 275.7 | -192.3 | 197.6 | 0.37 | -0.20 | 1.52 |
| 2,376.0 | 11.65 | 135.62 | 2,349.3 | 284.8 | -198.8 | 204.0 | 0.25 | -0.18 | -0.89 |
| 2,422.0 | 11.56 | 134.70 | 2,394.4 | 294.1 | -205.4 | 210.5 | 0.45 | -0.20 | -2.00 |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 2,468.0 | 11.51 | 134.66 | 2,439.5 | 303.3 | -211.9 | 217.0 | 0.11 | -0.11 | -0.09 |
| 2,514.0 | 11.25 | 133.60 | 2,484.5 | 312.4 | -218.2 | 223.5 | 0.73 | -0.57 | -2.30 |
| 2,560.0 | 11.16 | 133.91 | 2,529.7 | 321.3 | -224.4 | 230.0 | 0.24 | -0.20 | 0.67 |
| 2,605.0 | 11.29 | 133.82 | 2,573.8 | 330.1 | -230.4 | 236.3 | 0.29 | 0.29 | -0.20 |
| 2,651.0 | 10.99 | 133.25 | 2,618.9 | 339.0 | -236.6 | 242.8 | 0.69 | -0.65 | -1.24 |
| 2,697.0 | 10.55 | 133.38 | 2,664.1 | 347.6 | -242.5 | 249.0 | 0.96 | -0.96 | 0.28 |
| 2,743.0 | 10.55 | 133.78 | 2,709.4 | 356.0 | -248.3 | 255.1 | 0.16 | 0.00 | 0.87 |
| 2,789.0 | 10.63 | 134.35 | 2,754.6 | 364.4 | -254.1 | 261.2 | 0.29 | 0.17 | 1.24 |
| 2,834.0 | 10.81 | 134.26 | 2,798.8 | 372.8 | -260.0 | 267.2 | 0.40 | 0.40 | -0.20 |
| 2,880.0 | 10.72 | 133.43 | 2,844.0 | 381.4 | -265.9 | 273.4 | 0.39 | -0.20 | -1.80 |
| 2,924.0 | 10.77 | 133.47 | 2,887.2 | 389.6 | -271.6 | 279.3 | 0.11 | 0.11 | 0.09 |
| 2,970.0 | 10.81 | 133.16 | 2,932.4 | 398.2 | -277.5 | 285.6 | 0.15 | 0.09 | -0.67 |
| 3,016.0 | 11.01 | 133.64 | 2,977.6 | 406.9 | -283.5 | 291.9 | 0.48 | 0.43 | 1.04 |
| 3,061.0 | 10.99 | 133.07 | 3,021.7 | 415.5 | -289.4 | 298.2 | 0.25 | -0.04 | -1.27 |
| 3,107.0 | 10.85 | 132.75 | 3,066.9 | 424.2 | -295.3 | 304.5 | 0.33 | -0.30 | -0.70 |
| 3,153.0 | 11.03 | 133.87 | 3,112.1 | 432.9 | -301.3 | 310.9 | 0.61 | 0.39 | 2.43 |
| 3,198.0 | 11.07 | 134.70 | 3,156.2 | 441.6 | -307.3 | 317.1 | 0.36 | 0.09 | 1.84 |
| 3,243.0 | 10.81 | 133.91 | 3,200.4 | 450.1 | -313.3 | 323.2 | 0.67 | -0.58 | -1.76 |
| 3,289.0 | 10.68 | 134.61 | 3,245.6 | 458.7 | -319.3 | 329.3 | 0.40 | -0.28 | 1.52 |
| 3,332.0 | 10.85 | 134.83 | 3,287.8 | 466.7 | -324.9 | 335.0 | 0.41 | 0.40 | 0.51 |
| 3,378.0 | 10.81 | 134.39 | 3,333.0 | 475.3 | -331.0 | 341.2 | 0.20 | -0.09 | -0.96 |
| 3,424.0 | 10.85 | 134.57 | 3,378.2 | 484.0 | -337.0 | 347.3 | 0.11 | 0.09 | 0.39 |
| 3,470.0 | 10.99 | 134.35 | 3,423.4 | 492.7 | -343.1 | 353.6 | 0.32 | 0.30 | -0.48 |
| 3,515.0 | 10.81 | 134.22 | 3,467.6 | 501.2 | -349.1 | 359.7 | 0.40 | -0.40 | -0.29 |
| 3,561.0 | 10.82 | 134.22 | 3,512.7 | 509.8 | -355.1 | 365.8 | 0.02 | 0.02 | 0.00 |
| 3,607.0 | 10.81 | 133.51 | 3,557.9 | 518.5 | -361.1 | 372.1 | 0.29 | -0.02 | -1.54 |
| 3,653.0 | 10.63 | 133.21 | 3,603.1 | 527.0 | -367.0 | 378.3 | 0.41 | -0.39 | -0.65 |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 3,697.0 | 10.68 | 133.69 | 3,646.4 | 535.2 | -372.6 | 384.2 | 0.23 | 0.11 | 1.09 |
| 3,742.0 | 10.68 | 133.51 | 3,690.6 | 543.5 | -378.3 | 390.2 | 0.07 | 0.00 | -0.40 |
| 3,788.0 | 10.63 | 132.68 | 3,735.8 | 552.0 | -384.1 | 396.4 | 0.35 | -0.11 | -1.80 |
| 3,834.0 | 10.28 | 132.20 | 3,781.0 | 560.4 | -389.8 | 402.6 | 0.78 | -0.76 | -1.04 |
| 3,880.0 | 10.29 | 133.08 | 3,826.3 | 568.6 | -395.3 | 408.6 | 0.34 | 0.02 | 1.91 |
| 3,923.0 | 10.59 | 133.21 | 3,868.6 | 576.4 | -400.6 | 414.3 | 0.70 | 0.70 | 0.30 |
| 3,969.0 | 10.70 | 133.92 | 3,913.8 | 584.8 | -406.5 | 420.5 | 0.37 | 0.24 | 1.54 |
| 4,015.0 | 10.72 | 135.80 | 3,959.0 | 593.4 | -412.5 | 426.5 | 0.76 | 0.04 | 4.09 |
| 4,061.0 | 10.59 | 136.06 | 4,004.2 | 601.9 | -418.6 | 432.5 | 0.30 | -0.28 | 0.57 |
| 4,105.0 | 10.63 | 135.84 | 4,047.4 | 610.0 | -424.5 | 438.1 | 0.13 | 0.09 | -0.50 |
| 4,150.0 | 10.68 | 135.89 | 4,091.7 | 618.3 | -430.4 | 443.9 | 0.11 | 0.11 | 0.11 |
| 4,196.0 | 10.63 | 135.36 | 4,136.9 | 626.8 | -436.5 | 449.8 | 0.24 | -0.11 | -1.15 |
| 4,242.0 | 10.42 | 136.19 | 4,182.1 | 635.2 | -442.5 | 455.7 | 0.56 | -0.46 | 1.80 |
| 4,286.0 | 10.50 | 134.96 | 4,225.4 | 643.2 | -448.2 | 461.3 | 0.54 | 0.18 | -2.80 |
| 4,332.0 | 10.30 | 134.81 | 4,270.6 | 651.5 | -454.1 | 467.2 | 0.44 | -0.43 | -0.33 |
| 4,378.0 | 10.28 | 134.70 | 4,315.9 | 659.7 | -459.9 | 473.0 | 0.06 | -0.04 | -0.24 |
| 4,421.0 | 10.40 | 134.58 | 4,358.2 | 667.4 | -465.3 | 478.5 | 0.28 | 0.28 | -0.28 |
| 4,467.0 | 10.50 | 133.99 | 4,403.4 | 675.8 | -471.1 | 484.5 | 0.32 | 0.22 | -1.28 |
| 4,511.0 | 10.46 | 133.51 | 4,446.7 | 683.8 | -476.7 | 490.3 | 0.22 | -0.09 | -1.09 |
| 4,555.0 | 10.37 | 133.65 | 4,490.0 | 691.7 | -482.1 | 496.0 | 0.21 | -0.20 | 0.32 |
| 4,599.0 | 10.33 | 134.61 | 4,533.2 | 699.6 | -487.7 | 501.7 | 0.40 | -0.09 | 2.18 |
| 4,644.0 | 10.24 | 135.53 | 4,577.5 | 707.7 | -493.3 | 507.4 | 0.42 | -0.20 | 2.04 |
| 4,690.0 | 10.24 | 136.19 | 4,622.8 | 715.8 | -499.2 | 513.1 | 0.26 | 0.00 | 1.43 |
| 4,734.0 | 10.11 | 136.02 | 4,666.1 | 723.6 | -504.8 | 518.4 | 0.30 | -0.30 | -0.39 |
| 4,780.0 | 10.15 | 135.80 | 4,711.4 | 731.7 | -510.6 | 524.1 | 0.12 | 0.09 | -0.48 |
| 4,826.0 | 10.46 | 136.06 | 4,756.6 | 739.9 | -516.5 | 529.8 | 0.68 | 0.67 | 0.57 |
| 4,871.0 | 10.77 | 135.53 | 4,800.9 | 748.2 | -522.5 | 535.6 | 0.72 | 0.69 | -1.18 |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 4,917.0 | 10.90 | 134.92 | 4,846.0 | 756.9 | -528.6 | 541.7 | 0.38 | 0.28 | -1.33 |
| 4,963.0 | 10.94 | 133.43 | 4,891.2 | 765.6 | -534.7 | 547.9 | 0.62 | 0.09 | -3.24 |
| 5,009.0 | 10.94 | 133.21 | 4,936.4 | 774.3 | -540.7 | 554.3 | 0.09 | 0.00 | -0.48 |
| 5,055.0 | 10.99 | 132.33 | 4,981.5 | 783.0 | -546.6 | 560.7 | 0.38 | 0.11 | -1.91 |
| 5,099.0 | 10.59 | 133.25 | 5,024.8 | 791.3 | -552.2 | 566.7 | 0.99 | -0.91 | 2.09 |
| 5,144.0 | 10.26 | 132.41 | 5,069.0 | 799.4 | -557.7 | 572.7 | 0.81 | -0.73 | -1.87 |
| 5,190.0 | 9.89 | 132.28 | 5,114.3 | 807.5 | -563.2 | 578.7 | 0.81 | -0.80 | -0.28 |
| 5,234.0 | 9.83 | 132.29 | 5,157.7 | 815.0 | -568.2 | 584.2 | 0.14 | -0.14 | 0.02 |
| 5,280.0 | 10.24 | 131.80 | 5,202.9 | 823.0 | -573.6 | 590.2 | 0.91 | 0.89 | -1.07 |
| 5,323.0 | 10.42 | 130.61 | 5,245.3 | 830.7 | -578.7 | 596.0 | 0.65 | 0.42 | -2.77 |
| 5,367.0 | 10.24 | 132.46 | 5,288.5 | 838.6 | -583.9 | 601.9 | 0.86 | -0.41 | 4.20 |
| 5,413.0 | 10.24 | 135.51 | 5,333.8 | 846.8 | -589.6 | 607.8 | 1.18 | 0.00 | 6.63 |
| 5,459.0 | 10.06 | 137.25 | 5,379.1 | 854.9 | -595.5 | 613.4 | 0.77 | -0.39 | 3.78 |
| 5,503.0 | 10.33 | 139.12 | 5,422.4 | 862.6 | -601.3 | 618.6 | 0.97 | 0.61 | 4.25 |
| 5,549.0 | 10.77 | 137.38 | 5,467.6 | 871.0 | -607.5 | 624.2 | 1.18 | 0.96 | -3.78 |
| 5,594.0 | 11.56 | 135.71 | 5,511.8 | 879.7 | -613.9 | 630.2 | 1.90 | 1.76 | -3.71 |
| 5,640.0 | 11.91 | 135.62 | 5,556.8 | 889.1 | -620.6 | 636.7 | 0.76 | 0.76 | -0.20 |
| 5,686.0 | 11.69 | 134.57 | 5,601.8 | 898.5 | -627.2 | 643.3 | 0.67 | -0.48 | -2.28 |
| 5,730.0 | 11.25 | 134.66 | 5,644.9 | 907.2 | -633.4 | 649.6 | 1.00 | -1.00 | 0.20 |
| 5,776.0 | 10.99 | 133.47 | 5,690.1 | 916.1 | -639.5 | 655.9 | 0.75 | -0.57 | -2.59 |
| 5,820.0 | 10.81 | 132.15 | 5,733.3 | 924.4 | -645.2 | 662.0 | 0.70 | -0.41 | -3.00 |
| 5,865.0 | 10.56 | 133.45 | 5,777.5 | 932.8 | -650.9 | 668.2 | 0.77 | -0.56 | 2.89 |
| 5,911.0 | 10.33 | 134.13 | 5,822.7 | 941.1 | -656.6 | 674.2 | 0.57 | -0.50 | 1.48 |
| 5,957.0 | 10.28 | 134.44 | 5,868.0 | 949.3 | -662.4 | 680.1 | 0.16 | -0.11 | 0.67 |
| 6,001.0 | 10.02 | 134.08 | 5,911.3 | 957.1 | -667.8 | 685.6 | 0.61 | -0.59 | -0.82 |
| 6,046.0 | 9.89 | 134.17 | 5,955.6 | 964.9 | -673.2 | 691.2 | 0.29 | -0.29 | 0.20 |
| 6,092.0 | 9.71 | 133.56 | 6,001.0 | 972.7 | -678.6 | 696.9 | 0.45 | -0.39 | -1.33 |



Sundry Number: 57816 API Well Number: 43013517710000

| | | | |
|---|---|---|---|
| **Company:** | NEWFIELD EXPLORATION | **Local Co-ordinate Reference:** | Well H-1-9-15 |
| **Project:** | USGS Myton SW (UT) | **TVD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Site:** | SECTION 1 | **MD Reference:** | H-1-9-15 @ 5909.0usft (SS # 1) |
| **Well:** | H-1-9-15 | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Actual | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | V. Sec (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 6,138.0 | 9.36 | 134.32 | 6,046.3 | 980.3 | -683.9 | 702.3 | 0.81 | -0.76 | 1.65 |
| 6,184.0 | 9.05 | 135.23 | 6,091.7 | 987.7 | -689.1 | 707.6 | 0.74 | -0.67 | 1.98 |
| 6,229.0 | 8.88 | 135.05 | 6,136.2 | 994.7 | -694.1 | 712.5 | 0.38 | -0.38 | -0.40 |
| 6,275.0 | 8.79 | 133.82 | 6,181.6 | 1,001.8 | -699.0 | 717.6 | 0.45 | -0.20 | -2.67 |
| 6,321.0 | 8.75 | 133.97 | 6,227.1 | 1,008.8 | -703.9 | 722.6 | 0.10 | -0.09 | 0.33 |
| 6,340.0 | 8.66 | 135.36 | 6,245.9 | 1,011.6 | -705.9 | 724.7 | 1.20 | -0.47 | 7.32 |
| 6,394.0 | 8.66 | 135.36 | 6,299.3 | 1,019.8 | -711.7 | 730.4 | 0.00 | 0.00 | 0.00 |

Checked By: _____ Approved By: _____ Date: _____



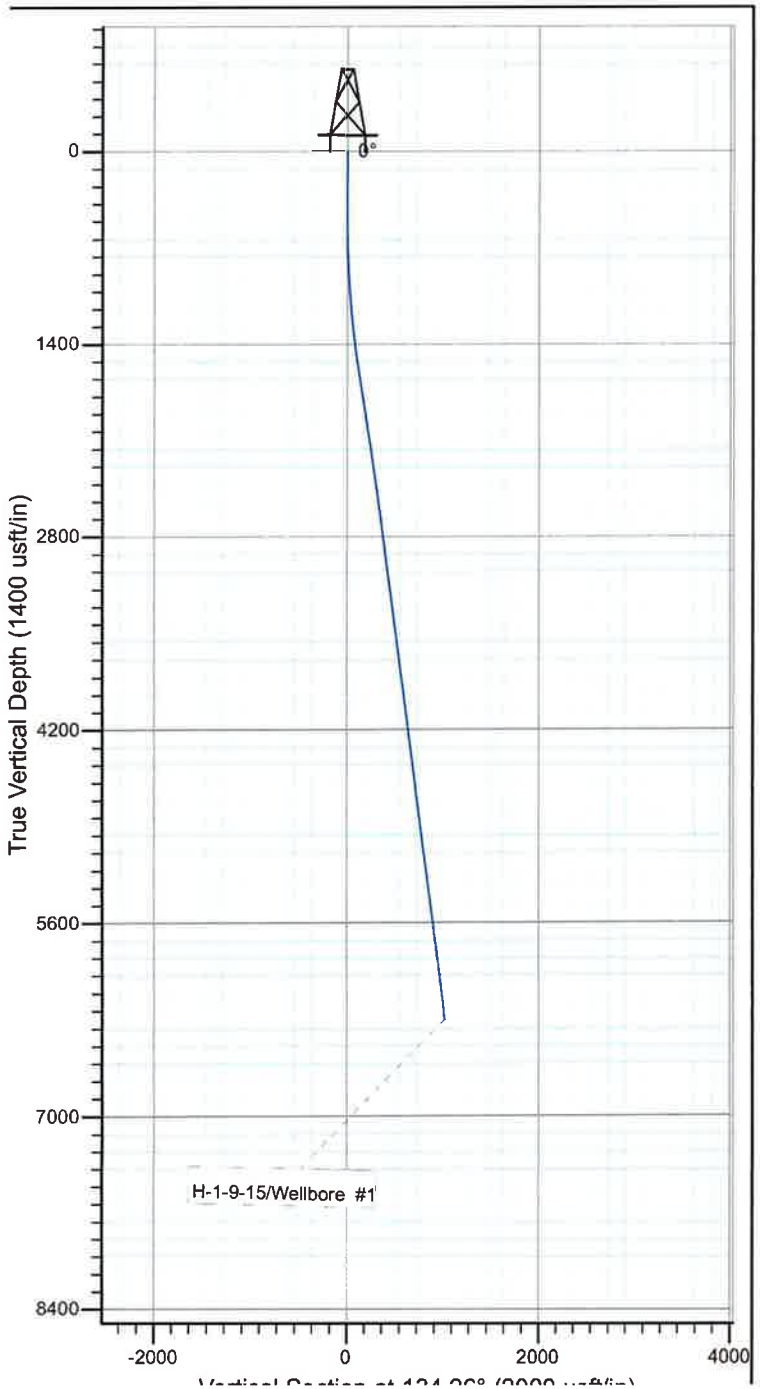
Sundry Number: 57816 API Well Number: 43013517710000

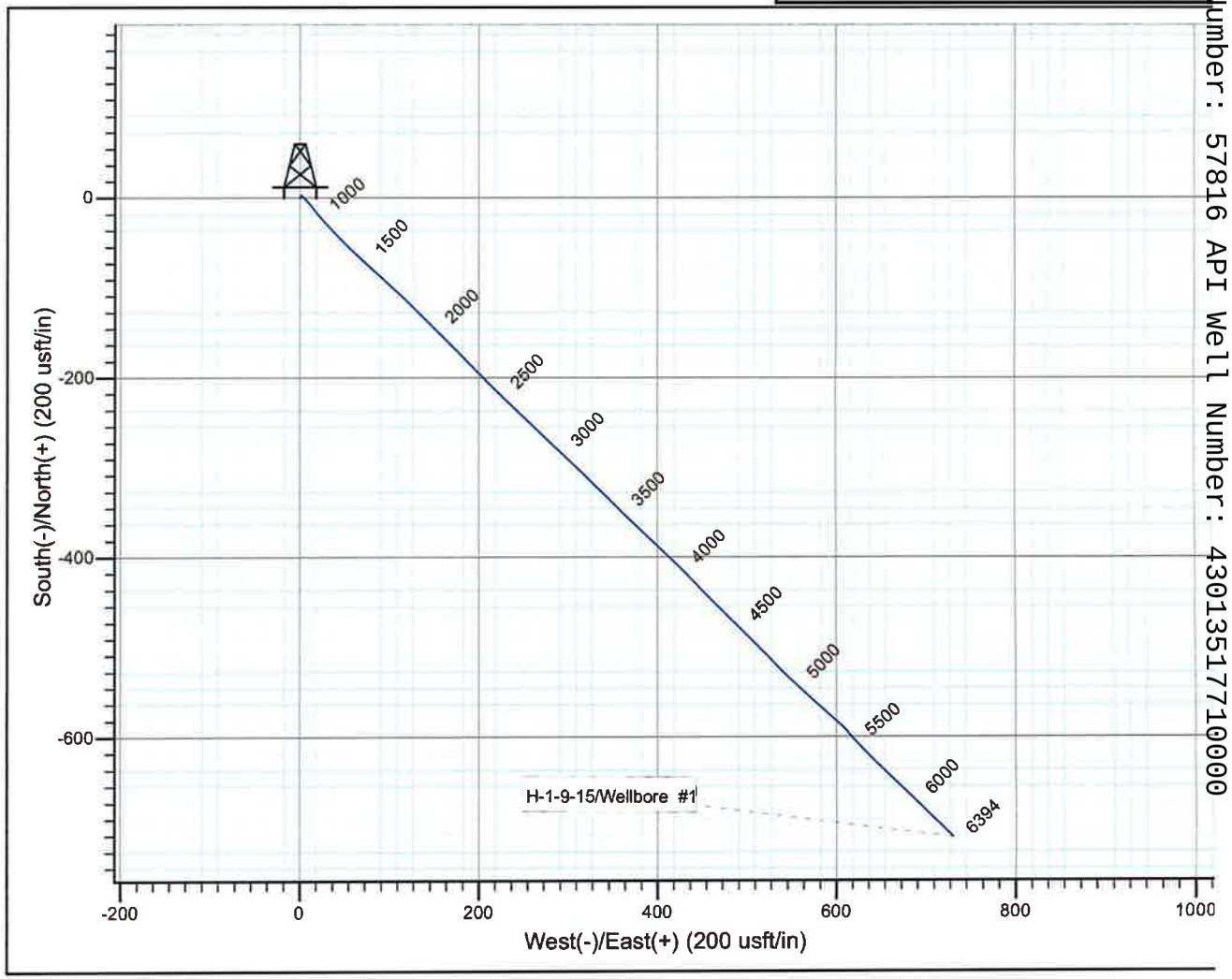
NEWFIELD

Project: USGS Myton SW (UT)
Site: SECTION 1
Well: H-1-9-15
Wellbore: Wellbore #1
Design: Actual

Azimuths to True North
Magnetic North: 10.95°

Magnetic Field
Strength: 51938.7snT
Dip Angle: 65.71°
Date: 9/22/2014
Model: IGRF2010




Design: Actual (H-1-9-15/Wellbore #1)

Created By: Matthew Linton Date: 8:48, October 06 2

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

Sundry Number: 57816 API Well Number: 43013517710000

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Job Category | Job Start Date | Job End Date |
|---|---|---|
| | | |

## Daily Operations

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 10/14/2014 | 10/15/2014 | CBL/psi test/perf stg 1 |

| Start Time | End Time | Comment |
|---|---|---|
| 00:00 | 08:30 | SDFN |
| 08:30 | 10:00 | RIH w/CBL tools. Run log from 6332' to surface under 0 psi. Estimated cement top @ surface. SJ @ 3590-3601'. |
| 10:00 | 12:00 | PSI test frac valve/csg/BOP-good. |
| 12:00 | 13:30 | RIH w/3 1/8" slick guns (16g, 0.34 EH, 21.00 pen). Perforate stg 1 @ CP3 5996-6000', CP2 5923-26', Cp half 5828-29', 5821-22'. |
| 13:30 | 00:00 | SDFN |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 10/15/2014 | 10/16/2014 | Frac/flowback |

| Start Time | End Time | Comment |
|---|---|---|
| 00:00 | 10:30 | SDFN |
| 10:30 | 11:00 | Rig iron to well |
| 11:00 | 11:15 | Location safety mtg |
| 11:15 | 11:30 | PSI test all frac iron & equipment |
| 11:30 | 11:45 | Stage #1, CP3, CP2 & CP half sands.<br>161 psi on well. Frac CP3, CP2 & CP half w/41,243#s of 20/40 White sand in 216 bbls 17# Crosslinked fluid. Broke @ 2959 psi @ 2.1 BPM. Treated w/ ave pressure of 2865 psi @ ave rate of 32.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 2135 psi. FG=.80 5 min SIP 2052 psi, 10 min SIP 2008 psi, 15 min SIP 1972 psi. Leave pressure on well. 500 total BWTR. |
| 11:45 | 12:45 | RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 5680'. Perforate LODC @ 5600-03', 5589-92', 5576-78', 5502-04' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 20 shots. |
| 12:45 | 13:15 | Stage #2, LODC sands.<br>1912 psi on well. Frac LBLKSH sds w/100,044#s of 20/40 White sand in 516 bbls 17# Crosslinked fluid. Broke @ 2659 psi @ 2.1 BPM. Treated w/ ave pressure of 3104 psi @ ave rate of 41.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2590 psi. FG=.90, 5 min SIP 2243 psi, 10 min SIP 2074 psi, 15 min SIP 2016 psi. Leave pressure on well. 757 total BWTR |
| 13:15 | 13:45 | RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 5140'. Perforate C, D2 & D1 sands @ 5055-59', 4965-68', 4916-17', 4904-05' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 18 shots. |



Sundry Number: 57816 API Well Number: 43013517710000

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Start Time | End Time | Comment |
|---|---|---|
| 13:45 | 14:15 | Stage #3, C, D2 & D1 sands.<br>1897 psi on well. Frac C, D2 & D1 sds w/85,057#s of 20/40 White sand in 437 bbls 17# Crosslinked fluid. Broke @ 2417 psi @ 9.0 BPM. Treated w/ ave pressure of 2612 psi @ ave rate of 38.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2310 psi. FG=.90, 5 min SIP 2060 psi, 10 min SIP 1972 psi, 15 min SIP 1942 psi. Leave pressure on well. 664 total BWTR |
| 14:15 | 14:45 | RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Nabors blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4490'. Perforate GB6 & GB4 sands @ 4399-4401', 4358-62' slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 12 shots |
| 14:45 | 15:30 | Stage #4, GB6 & GB4 sands.<br>1765 psi on well. Frac GB6 & GB4 sds w/47,869#s of 20/40 White sand in 268 bbls 17# Delta 140 fluid. Broke @ 1904 @ 3.1 BPM. Treated w/ ave pressure of 2233 psi @ ave rate of 25.3 BPM. ISDP 2920 psi. FG= 1.1, 5 min SIP 1767 psi, 10 min SIP 1745 psi, 15 min SIP 1759 psi. 425 total BWTR |
| 15:30 | 22:00 | Open well to pit @ 3bpm. Flow til turned to oil. Returned approx. 900 bbls to pit. |
| 22:00 | 00:00 | SDFN |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 10/17/2014 | 10/18/2014 | set KP |

| Start Time | End Time | Comment |
|---|---|---|
| 00:00 | 13:00 | SDFN |
| 13:00 | 14:30 | RU Extreme Wireline. RIH w/Weatherford 5k composite plug. Set KP @ 4260'. POOH, bleed psi off well until dead. RD wireline. |
| 14:30 | 00:00 | SDFN |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 10/20/2014 | 10/21/2014 | Drill out plugs |

| Start Time | End Time | Comment |
|---|---|---|
| 00:00 | 06:00 | SWIFN |
| 06:00 | 07:00 | Crew travel, jsa, jsp, start equiptment |
| 07:00 | 08:30 | UNLOAD, PREP, & TALLY TBG, TEST BOP'S, R/U HARDLINE. |
| 08:30 | 11:00 | M/U & RIH W/ BIT, BIT SUB, 2-JNTS 2 7/8" J-55 TBG, S/N, 127-JNTS 2 7/8" J-55 TBG & TAG KP 13' OUT 0N JNT 129 @4260' (HAD TO STOP & ROLL OIL OUT OF HOLE 2X TO CLEAR DISPLACEMENT LINE) |
| 11:00 | 15:30 | SIRU SWIVEL, CATCH CIRCULATION W/ PUMP & D/O K/P @4260' (45 MINS TO DRILL, N0-FILL, 1100 PSI UNDER PLUG. HAD TO ROLL KICK OUT TO DRILL PLUG), RIH TO 16' OUT ON JNT 136 & D/O F/T PLUG #1 @4490' (12 MINS TO<br>DRILL PLUG, NO-FILL), RIH TO 8' IN ON JNT 156 & D/O F/T PLUG #2 @5140', (NO-FILL, 12 MINS TO DRILL PLUG), RIH TO JNT 171 & TAG FILL @5650'. CLEAN OUT TO 16' OUT ON JNT 172 & D/O F/T PLUG #3 @5680' (30' OF FILL, 12<br>MINS TO D/O PLUG) RIH & TAG FILL ON JNT 189 @6242' CLEAN OUT FILL TO 8' IN ON JNT 193 @6365'. |
| 15:30 | 16:30 | CIRCULATE 180 BBLS 1% KCL UNTIL WELLBORE WAS CLEAN. |
| 16:30 | 17:00 | TOOH W/ 10-JNTS 2 7/8" J-55 TBG, SIW, GET READY FOR BRINE IN MORNING, SDFN. |



Sundry Number: 57816 API Well Number: 43013517710000

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Start Time | End Time | Comment |
|---|---|---|
| 17:00 | 18:00 | crew travel |
| 18:00 | 00:00 | SDFN |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 10/21/2014 | 10/22/2014 | Trip production. PWOP |

| Start Time | End Time | Comment |
|---|---|---|
| 00:00 | 06:00 | SDFN |
| 06:00 | 07:00 | Crew travel & safety mtg |
| 07:00 | 08:30 | Check psi (tbg-10#, csg 200# flowing wide open). Bleed dwn tbg. Unlock rams, TIH w/9 jts 2 7/8" J55 & tag fill @ 6325', clean out fill to 6365' PBTD. Roll 160 bbls 10# brine heated to 130 deg. until well was dead & wellbore was clean. |
| 08:30 | 10:00 | LD 7 jts 2 7/8" J55 (11 total on racks), TOOH w/186 jts, LD bit sub & bit. |
| 10:00 | 11:30 | M/U & RIH W/ PURGE VALVE (.80'), 2-JNTS 2 7/8" J-55 TBG (66.18'), #5 DESANDER (17.12'), 4' J-55 SUB (4.10'), 1- JNT 2 7/8" J-55 TBG (33.07'), S/N (1.10' @6067.75'), 1-JNT 2 7/8" J-55 TBG (33.11'), TAC (2.80' @6034.64'), 182-<br>JNTS 2 7/8" J-55 TBG. M/U 4' SUB, HNGR (.80'), 1-JNT 2 7/8" J-55 TBG, SET TAC FROM RIG FLOOR @(1.98') STRETCH FOR 18K TENSION, LAND WELL EOT @6190.12' W/ 11' KB. |
| 11:30 | 12:30 | RD work floor, ND BOPs, unland hngr, remove 4' sub, land well, NU WH, RO BOPs & wind up hoses, load tbg equipment. |
| 12:30 | 13:00 | Sl rod trailer, X-over for rods. |
| 13:00 | 15:30 | P/U & STROKE NEW CENT. HYD. PUMP #NF 1240 25-175-RHAC-20-5-20-22, RIH W/ PUMP, 30-7/8" 8 PERS, 131-3/4" 4 PERS, 80-7/8" 4 PERS, S/O, (NO PONIES), P/U 1 1/2" X 30' POLISH ROD & CLAMP. |
| 15:30 | 16:00 | Stroke w/rig to 800 psi (good test), hang head, adjust 12" off dbl tag & clamp, adjust head & bridle. |
| 16:00 | 17:00 | RD, wrap lines, load T-sill & trailers, R/O rig pump & hardline, clean location, MOLO, PWOP 144" SL @ 5 SPM. |
| 17:00 | 18:00 | Pre-trip, move rig & equipment to D-5-9-16, Post trip. SDFN |
| 18:00 | 19:00 | Crew travel |
| 19:00 | 00:00 | SDFN |



Sundry Number: 57816 API Well Number: 43013517710000

Sundry Number: 75657 API Well Number: 43013517710000

**FEDERAL APPROVAL OF THIS ACTION IS NECESSARY**

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-74826

## SUNDRY NOTICES AND REPORTS ON WELLS

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

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

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU H-1-9-15

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013517710000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0686 FNL 2008 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NENW Section: 01 Township: 09.0S Range: 15.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 10/28/2016 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Sand Clean out |

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

Newfield will be bailing out sand from the wellbore of the above mentioned well with the intention to increase hydrocarbon production and bring the well back up to economic production volumes.

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

**Date:** ~~November 09, 2016~~

**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 10/28/2016 |

RECEIVED: Oct. 28, 2016

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-74826

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

**7.UNIT or CA AGREEMENT NAME:** GMBU (GRRV)

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** GMBU H-1-9-15

**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:** 43013517710000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052

**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:** MONUMENT BUTTE

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0686 FNL 2008 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NENW Section: 01 Township: 09.0S Range: 15.0E Meridian: S

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

**TYPE OF SUBMISSION**

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ☑ SUBSEQUENT REPORT — Date of Work Completion: 11/7/2016
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

**TYPE OF ACTION**

| | | |
|---|---|---|
| ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| ☐ WILDCAT WELL DETERMINATION | ☑ OTHER | OTHER: Well Clean Out |

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

On 11/7/2016, the well clean out was completed on the above mentioned well. See attached rig summary report.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
November 30, 2016

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mandie Crozier | 435 646-4825 | Regulatory Tech |
| **SIGNATURE** N/A | | **DATE** 11/29/2016 |

RECEIVED: Nov. 29, 2016

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Job Category | Job Start Date | Job End Date |
|---|---|---|
| | | |

**Daily Operations**

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 11/2/2016 | 11/2/2016 | Move in rig up service unit |

| Start Time | End Time | Comment |
|---|---|---|
| 16:00 | 18:00 | Move in rig up service unit. Attempt to rig down pumping unit. |
| 18:00 | 19:00 | Crew travel from location to yard. |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 11/3/2016 | 11/3/2016 | Unseat pump, Flush rods w/ 30 bbl @ 250°. Pumped 40 bbl. w/ no psi. No test<br>Trip out of hole w/ 79) 7/8" 4per, 131) 3/4" 4per, 30) 7/8" 8per, Pump. Lay down as follows: #145 thru #190 (3675' thru 4800'), #196 thru #210 (4950' thru 5300'), #211 thru #224 (5300' thru 5650'). Stopped and flushed w/ 20 bbl. 3 times on way out.<br>Flushed tubing w/ 40 bbl. dropped standing valve. Pumped 40 bbl. w/ no psi. Rig up and run in hole w/ sandline, tagged valved to seat. Pull out of hole w/ sandline. Pumped 20 bbl. water w/ no psi, no test.<br>Crossover to tubing equipment. Nipple down wellhead. Nipple up BOP. Rig up work floor and tongs. Release tubing anchor.<br>Pick up and run in hole w/ 3 jts 2-7/8" J55 tubing, Tagged @ 6290 (75' of fill), Lay down 3 joints. Shut well in for night. |

| Start Time | End Time | Comment |
|---|---|---|
| 07:00 | 08:00 | Crew travel from yard to location |
| 08:00 | 09:00 | Unseat pump, Flush rods w/ 30 bbl @ 250°. Pumped 40 bbl. w/ no psi. No test |
| 09:00 | 13:00 | Trip out of hole w/ 79) 7/8" 4per, 131) 3/4" 4per, 30) 7/8" 8per, Pump. Lay down as follows: #145 thru #190 (3675' thru 4800'), #196 thru #210 (4950' thru 5300'), #211 thru #224 (5300' thru 5650'). Stopped and flushed w/ 20 bbl. 3 times on way out. |
| 13:00 | 15:00 | Flushed tubing w/ 40 bbl. dropped standing valve. Pumped 40 bbl. w/ no psi. Rig up and run in hole w/ sandline, tagged valved to seat. Pull out of hole w/ sandline. Pumped 20 bbl. water w/ no psi, no test. |
| 15:00 | 16:30 | Crossover to tubing equipment. Nipple down wellhead. Nipple up BOP. Rig up work floor and tongs. Release tubing anchor. |
| 16:30 | 17:00 | Pick up and run in hole w/ 3 jts 2-7/8" J55 tubing, Tagged @ 6290 (75' of fill), Lay down 3 joints. Shut well in for night. |
| 17:00 | 18:00 | Crew travel from location to yard. |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 11/4/2016 | 11/4/2016 | Scan tbg out of hole. TIH w/ kill string. |

| Start Time | End Time | Comment |
|---|---|---|
| 06:00 | 07:00 | Crew travel |
| 07:00 | 07:30 | Check pressure on well, 50 psi csg, 0 psi tbg. Bleed pressure off to tank. |
| 07:30 | 12:00 | RU PRS tbg scanning equipment. TOOH w/ tbg while scanning & tallying, as follows: 182- jts 2-7/8" J-55 6.5# 8rd EUE tbg, TAC, 1- jt 2-7/8" J-55 6.5# 8rd EUE tbg, PSN, 1- jt 2-7/8" J-55 6.5# 8rd EUE tbg, 4' X 2-7/8" J-55 6.5# 8rd EUE tbg sub, Desander, 2- jts 2-7/8" J-55 6.5# 8rd EUE tbg & Purge valve. 63- jts yellow band, 19- jts blue band & 104- jts red band tbg. There was a lot of corrosion wear on tbg LD. |
| 12:00 | 12:30 | MU BHA & TIH w/ NC, 3- jts 2-7/8" J-55 6.5# 8rd EUE tbg, PSN, 1- jt 2-7/8" J-55 6.5# 8rd EUE tbg, TAC & 16- jts 2-7/8" J-55 6.5# 8rd EUE tbg. |
| 12:30 | 14:30 | Rig maintenance while waiting on new tbg. |

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Start Time | End Time | Comment |
|---|---|---|
| 14:30 | 18:30 | PU & TIH w/ 90- jts new 2-7/8" J-55 6.5# 8rd EUE tbg, 19- jts blue band 2-7/8" J-55 6.5# 8rd EUE tbg, 63- jts yellow band 2-7/8" J-55 6.5# 8rd EUE tbg. |
| 18:30 | 19:00 | SWIFN. Clean tools & location. |
| 19:00 | 20:00 | Crew travel |

| Report Start Date | Report End Date | 24hr Activity Summary |
|---|---|---|
| 11/7/2016 | 11/7/2016 | Drop standing valve. Rig up hot oiler, pump 30 bbl. water down tubing. Pressure test tubing to 3000 psi. Good test.<br>Rig up sandline w/ overshot. Run in hole and fish standing valve.<br>Rig up hot oiler, Circulate wellbore w/ 150 bbl. water.<br>Rig down tubing tongs and work floor. Nipple down BOP. Set tubing anchor w/ 18000# tension. Nipple up wellhead. Crossover work equipment to trip rods.<br>Pick up and prime pump and trip in hole as detailed:<br><br>1-1/2"x30' Polish rod<br>2'x7/8" Pony<br>6'x7/8" Pony<br>8'x7/8" Pony (NEW)<br>79) 7/8" 4per<br>71) 3/4" 4per<br>60) 3/4" 8per (NEW)<br>30) 7/8" 8per (13 NEW)<br>Weatherford 2-1/2"x2"x24' RXBC Pump#5243<br><br>Tubing full, Stroke test pump to 800 psi. Good pump action. Rig up pumping unit w/ 144" stroke length.<br>Rig down service unit. Prep for rig move. FINAL REPORT! |

| Start Time | End Time | Comment |
|---|---|---|
| 06:00 | 07:00 | Crew travel from yard to location. Perform daily safety meeting and JSA's |
| 07:00 | 08:00 | Drop standing valve. Rig up hot oiler, pump 30 bbl. water down tubing. Pressure test tubing to 3000 psi. Good test. |
| 08:00 | 09:00 | Rig up sandline w/ overshot. Run in hole and fish standing valve. |
| 09:00 | 11:00 | Rig up hot oiler, Circulate wellbore w/ 150 bbl. water. |
| 11:00 | 12:30 | Rig down tubing tongs and work floor. Nipple down BOP. Set tubing anchor w/ 18000# tension. Nipple up wellhead. Crossover work equipment to trip rods. |
| 12:30 | 15:30 | Pick up and prime pump and trip in hole as detailed:<br><br>1-1/2"x30' Polish rod<br>2'x7/8" Pony<br>6'x7/8" Pony<br>8'x7/8" Pony (NEW)<br>79) 7/8" 4per<br>71) 3/4" 4per<br>60) 3/4" 8per (NEW)<br>30) 7/8" 8per (13 NEW)<br>Weatherford 2-1/2"x2"x24' RXBC Pump#5243 |

NEWFIELD

# Summary Rig Activity

**Well Name: GMBU H-1-9-15**

| Start Time | End Time | Comment |
|---|---|---|
| 15:30 | 16:30 | Tubing full, Stroke test pump to 800 psi. Good pump action. Rig up pumping unit w/ 144" stroke length. |
| 16:30 | 18:00 | Rig down service unit. Prep for rig move. |
| 18:00 | 19:00 | Crew travel from location to yard. FINAL REPORT! |