

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> GMBU N-2-9-15
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> GMBU (GRRV)
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY		<b>7. OPERATOR PHONE</b> 435 646-4825
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML-43538	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2015 FSL 2037 FWL	NESW	2	9.0 S	15.0 E	S
Top of Uppermost Producing Zone	2353 FSL 1517 FWL	NESW	2	9.0 S	15.0 E	S
At Total Depth	2615 FNL 1043 FWL	SWNW	2	9.0 S	15.0 E	S

<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1043	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 20
<b>27. ELEVATION - GROUND LEVEL</b> 6029	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1199	<b>26. PROPOSED DEPTH</b> MD: 6433 TVD: 6433
	<b>28. BOND NUMBER</b> B001834	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 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 - 6433	15.5	J-55 LT&C	8.3	Premium Lite High Strength	306	3.26	11.0
							50/50 Poz	363	1.24	14.3

**ATTACHMENTS**

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

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

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 07/29/2011	<b>EMAIL</b> mcrozier@newfield.com
<b>API NUMBER ASSIGNED</b> 43013509100000	<b>APPROVAL</b>   Permit Manager	

NEWFIELD PRODUCTION COMPANY  
 GMBU N-2-9-15  
 AT SURFACE: NE/SW SECTION 2, 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	6260'
<b>Proposed TD</b>	<b>6433'</b>

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

Green River Formation (Oil)	1650' – 6260'
-----------------------------	---------------

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

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

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

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

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

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU N-2-9-15**

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 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,433'	15.5	J-55	LTC	4,810 2.35	4,040 1.97	217,000 2.18

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 N-2-9-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,433'	Prem Lite II w/ 10% gel + 3% KCl	306	30%	11.0	3.26
			999			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from 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 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:**

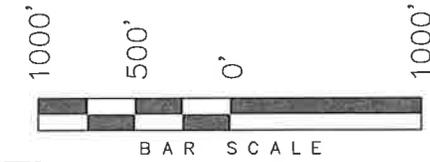
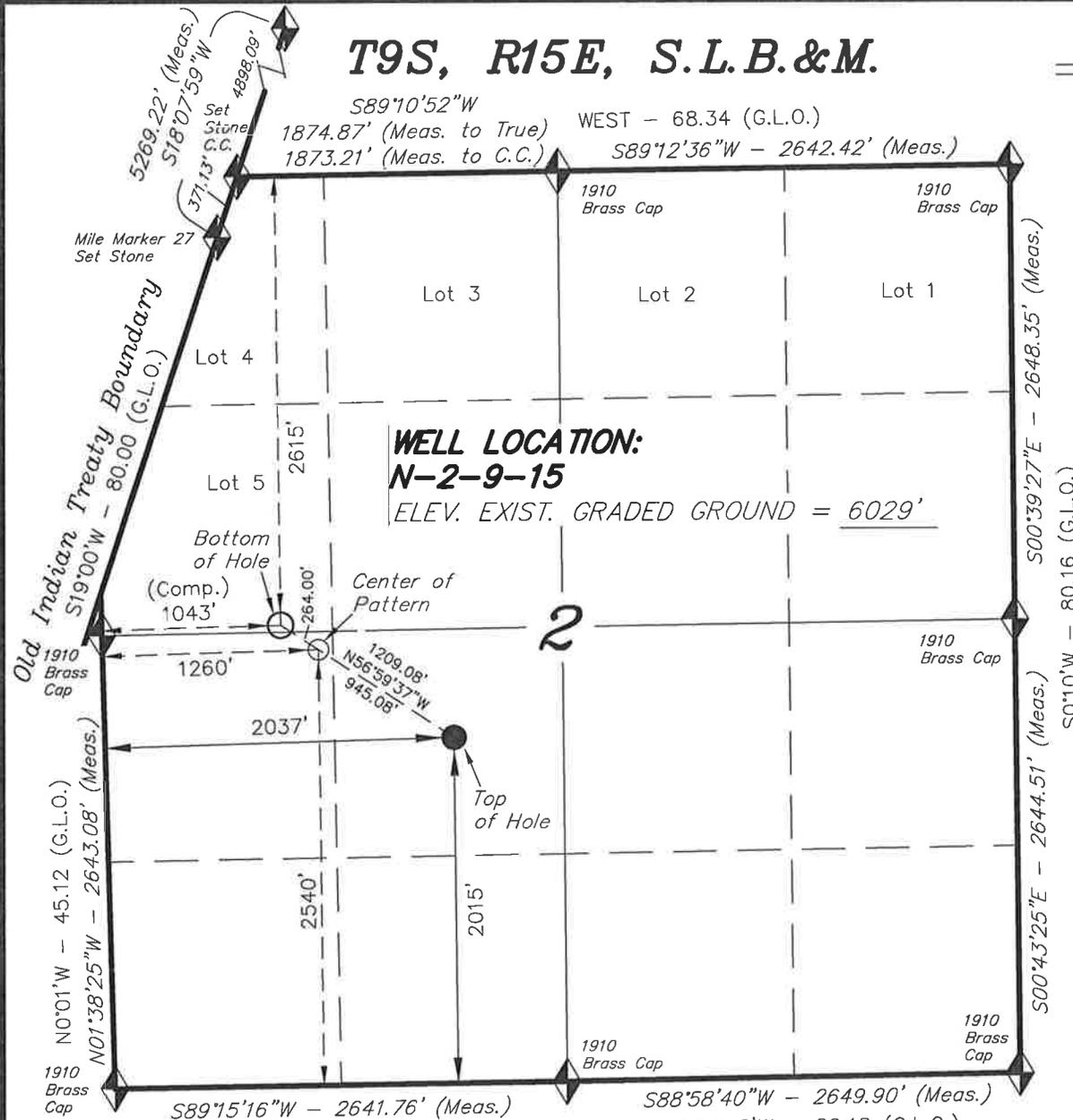
It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

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

## NEWFIELD EXPLORATION COMPANY

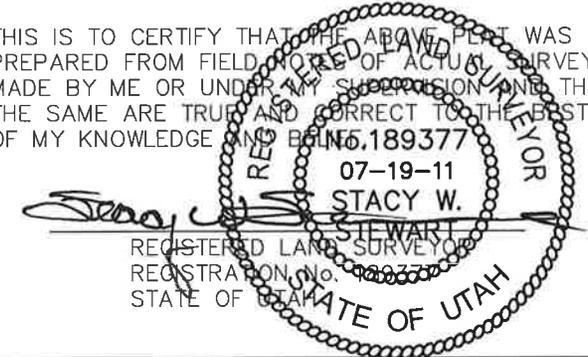
WELL LOCATION, N-2-9-15, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-2-9-15, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 (LOT 5) OF SECTION 2, 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.
  3. The Proposed Bottom Hole bears N86°50'30"E 1043.18' from the West Corner of Section 2.

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.



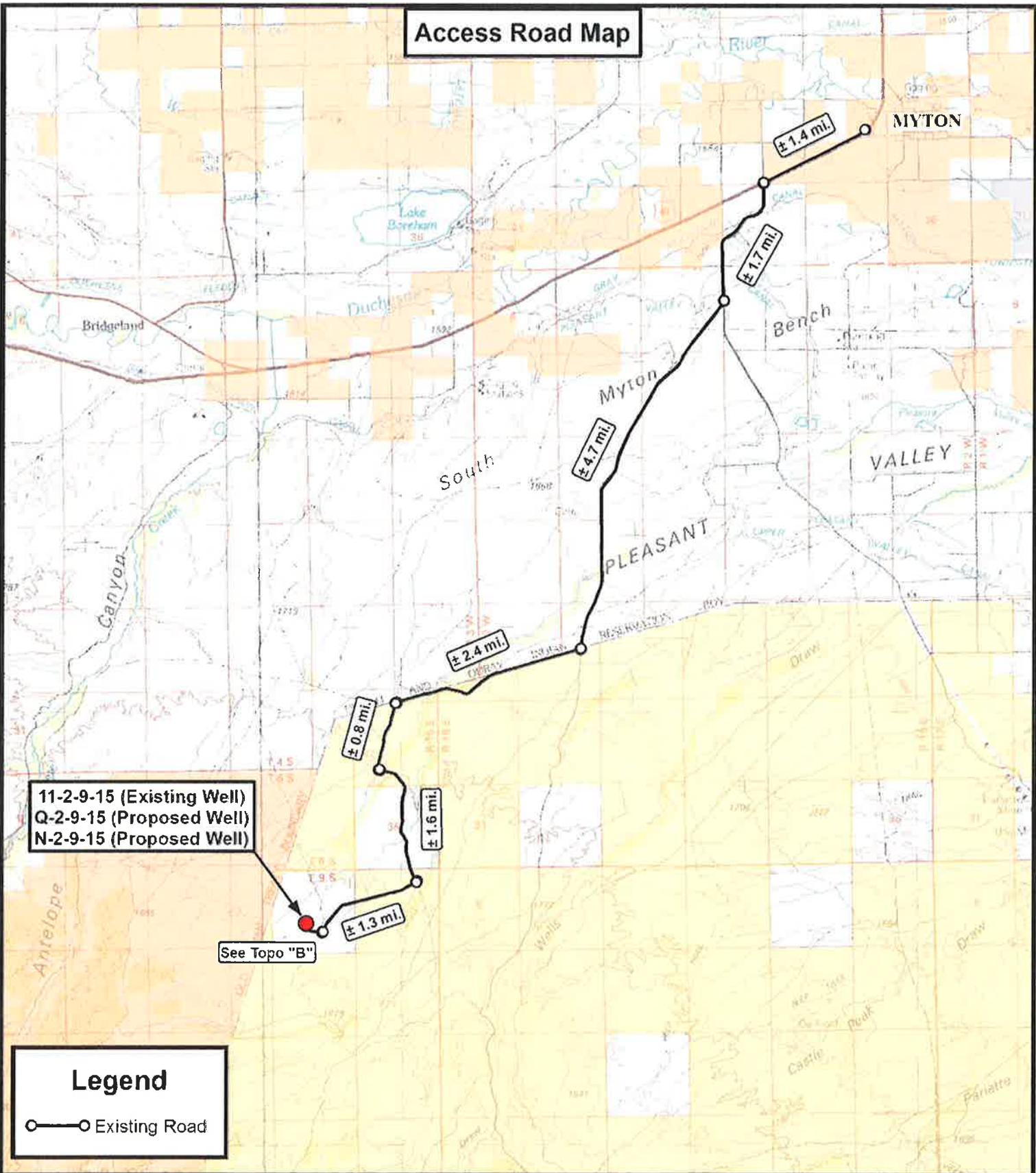
◆ = SECTION CORNERS LOCATED

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'

**N-2-9-15**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 03' 29.50"  
 LONGITUDE = 110° 12' 06.04"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>		
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501		
DATE SURVEYED: 06-08-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 06-28-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

**Access Road Map**



11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)

See Topo "B"

**Legend**

○—○ Existing Road

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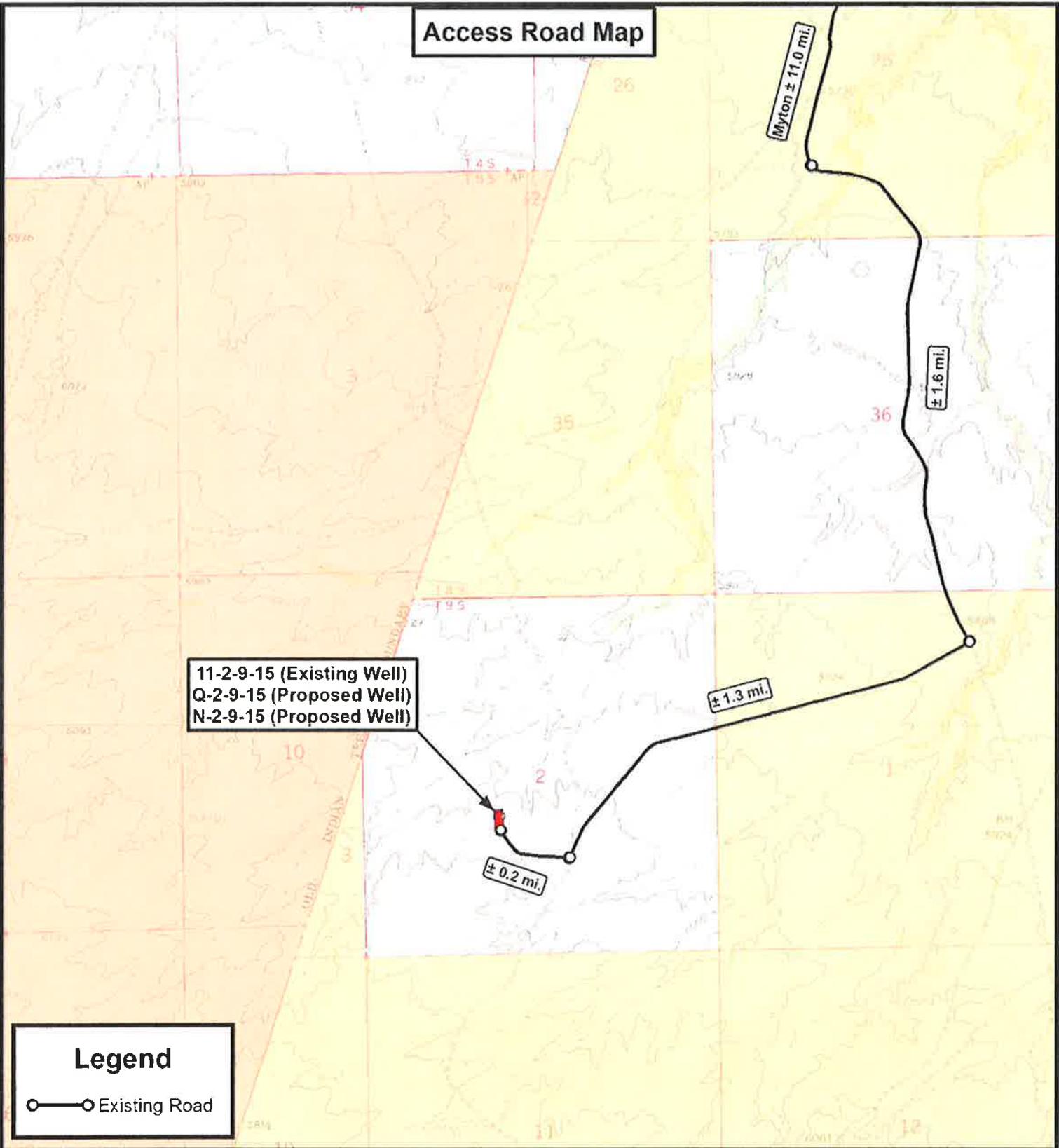
11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)  
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		<b>V1</b>
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



**Legend**

○—○ Existing Road

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**NEWFIELD EXPLORATION COMPANY**

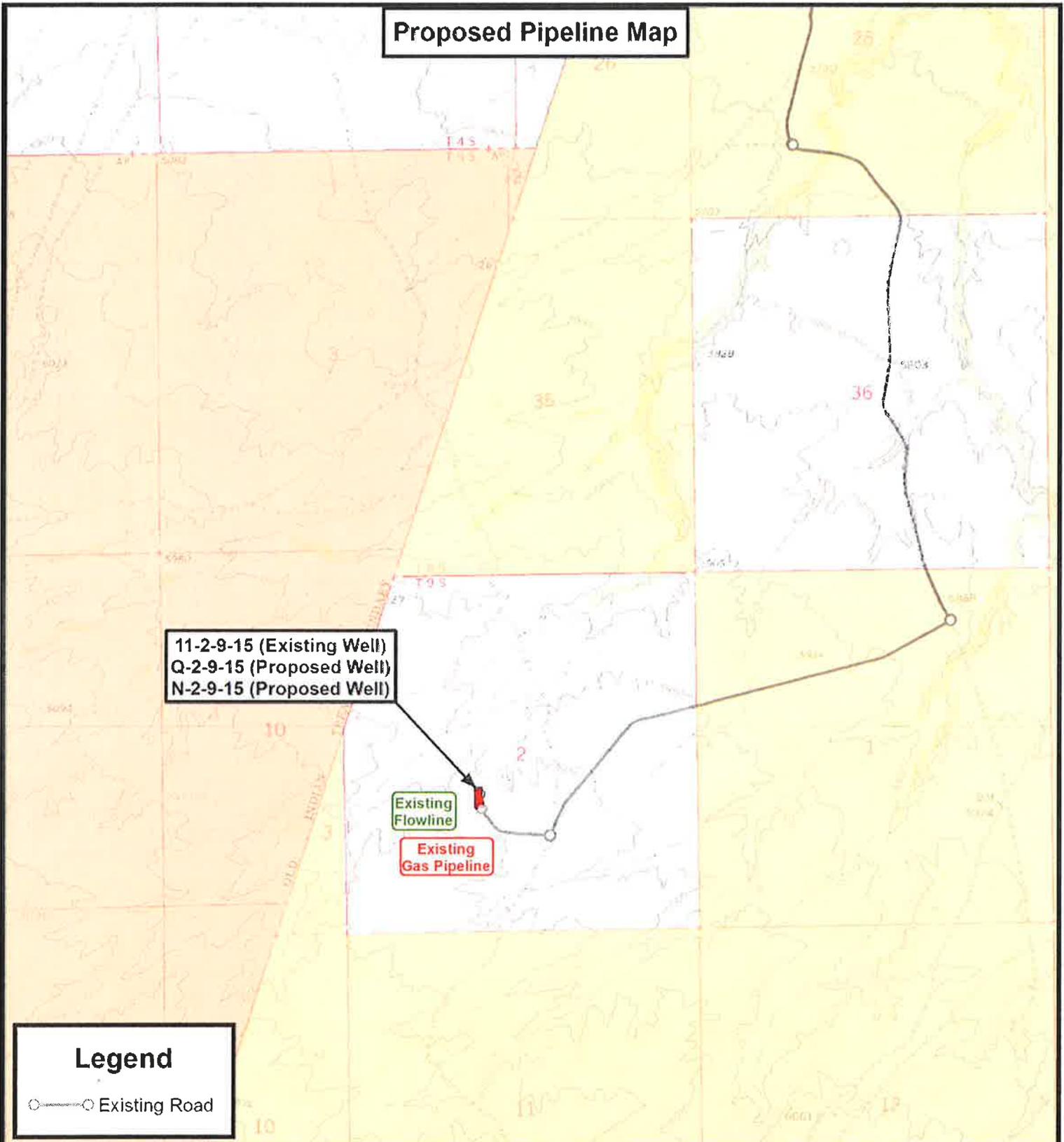
11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)  
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)

Existing Flowline  
 Existing Gas Pipeline

**Legend**  
 ○ Existing Road

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

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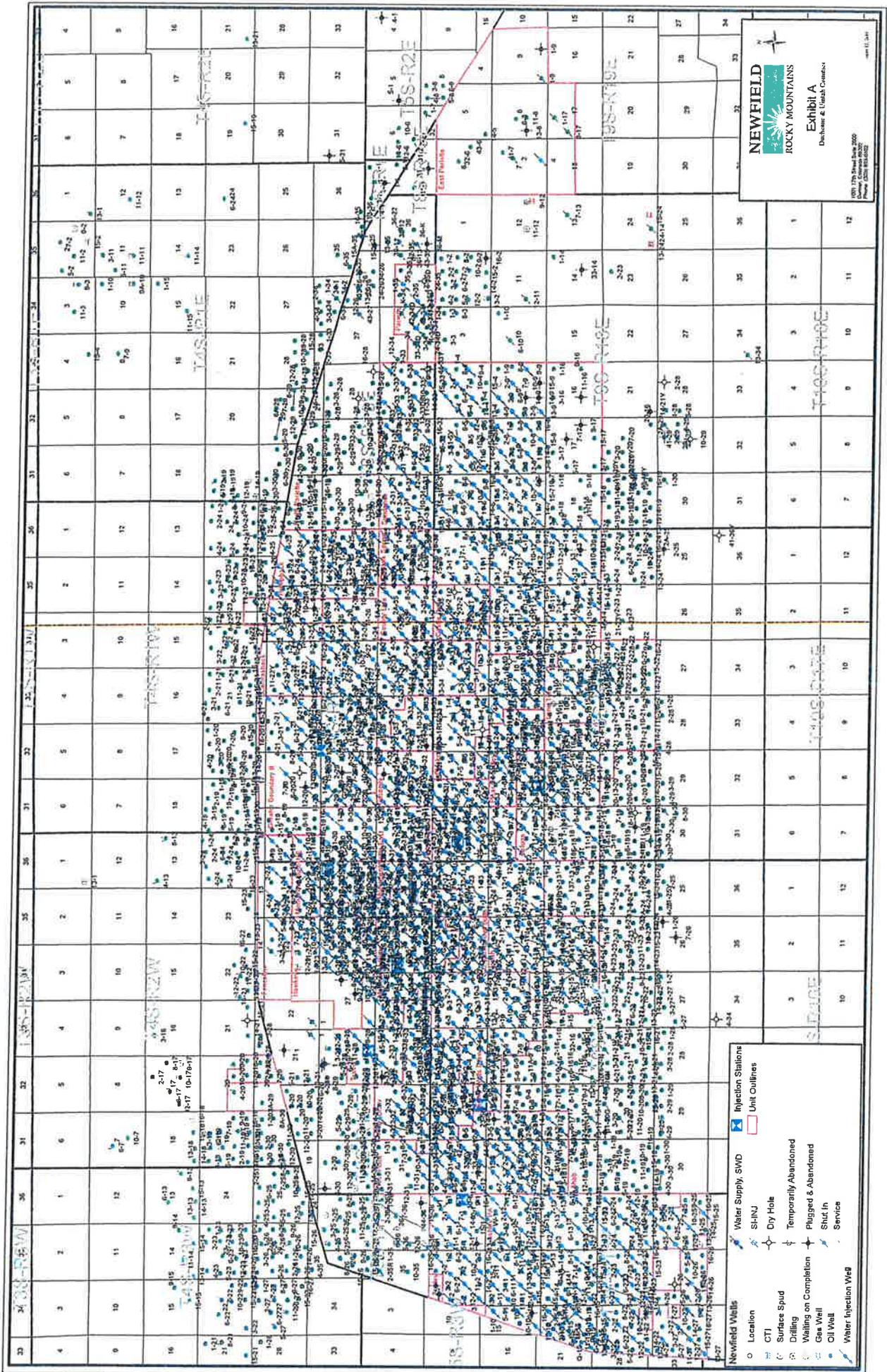
**NEWFIELD EXPLORATION COMPANY**

11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)  
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**



**NEWFIELD**  
**ROCKY MOUNTAINS**  
 Exhibit A  
 DeWorm & Erlich Company

1001 17th Street, Suite 2000  
 Denver, Colorado 80202  
 Phone: 303.733.8800  
 Email: newfield@erlich.com

**Newfield Wells**

- Location
- ⊖ CTI
- ⊕ Surface Spud
- ⊖ Drilling
- ⊖ Waiting on Completion
- ⊖ Gas Well
- ⊖ Oil Well
- ⊖ Water Injection Well

**Water Supply, SWD**

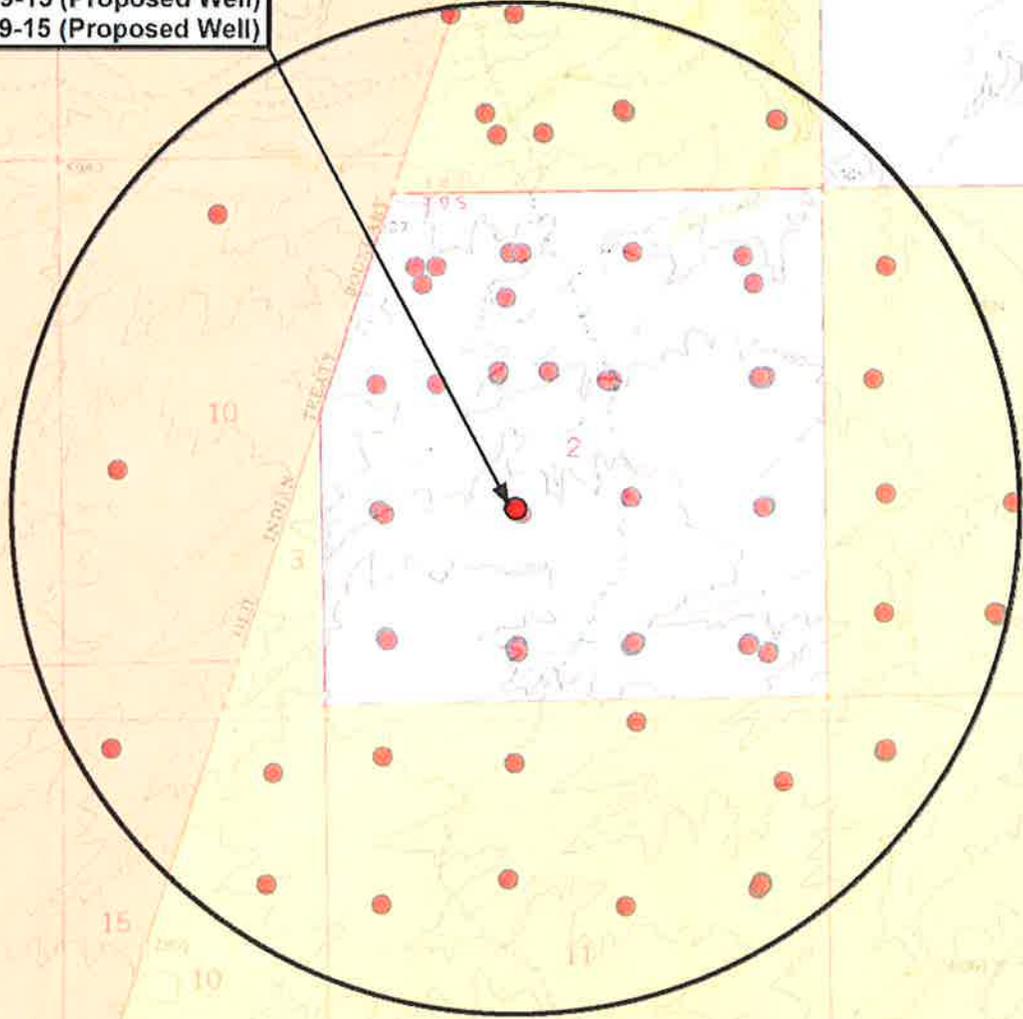
- ⊖ SHNU
- ⊖ Dry Hole
- ⊖ Temporarily Abandoned
- ⊖ Plugged & Abandoned
- ⊖ Shut In
- ⊖ Service

**Injection Stations**

- ⊖ Injection Stations
- ⊖ Unit Outlines

**Exhibit "B" Map**

11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)



**Legend**

-  1 Mile Radius
-  Pad Location

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**NEWFIELD EXPLORATION COMPANY**

11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)  
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 2 T9, R15**

**N-2-9-15**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**20 June, 2011**





<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well N-2-9-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Site:</b>	SECTION 2 T9, R15	<b>North Reference:</b>	Grid
<b>Well:</b>	N-2-9-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 2 T9, R15				
<b>Site Position:</b>		<b>Northing:</b>	7,191,145.41 ft	<b>Latitude:</b>	40° 3' 15.350 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,005,088.49 ft	<b>Longitude:</b>	110° 11' 49.770 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.83 °

<b>Well</b>	N-2-9-15, SHL LAT:40 03 29.50 LONG: -110 12 06.04					
<b>Well Position</b>	<b>+N/-S</b>	1,413.2 ft	<b>Northing:</b>	7,192,558.58 ft	<b>Latitude:</b>	40° 3' 29.500 N
	<b>+E/-W</b>	-1,285.7 ft	<b>Easting:</b>	2,003,802.78 ft	<b>Longitude:</b>	110° 12' 6.040 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	6,041.0 ft	<b>Ground Level:</b>	6,029.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2011/06/20	11.37	65.78	52,252

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	5,150.0	0.0	0.0	303.01

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,461.9	12.93	303.01	1,454.6	52.7	-81.2	1.50	1.50	0.00	303.01	
5,253.4	12.93	303.01	5,150.0	514.9	-792.5	0.00	0.00	0.00	0.00	N-2-9-15 TGT
6,433.3	12.93	303.01	6,300.0	658.7	-1,013.9	0.00	0.00	0.00	0.00	



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well N-2-9-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Site:</b>	SECTION 2 T9, R15	<b>North Reference:</b>	Grid
<b>Well:</b>	N-2-9-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	303.01	700.0	0.7	-1.1	1.3	1.50	1.50	0.00
800.0	3.00	303.01	799.9	2.9	-4.4	5.2	1.50	1.50	0.00
900.0	4.50	303.01	899.7	6.4	-9.9	11.8	1.50	1.50	0.00
1,000.0	6.00	303.01	999.3	11.4	-17.5	20.9	1.50	1.50	0.00
1,100.0	7.50	303.01	1,098.6	17.8	-27.4	32.7	1.50	1.50	0.00
1,200.0	9.00	303.01	1,197.5	25.6	-39.4	47.0	1.50	1.50	0.00
1,300.0	10.50	303.01	1,296.1	34.8	-53.6	64.0	1.50	1.50	0.00
1,400.0	12.00	303.01	1,394.2	45.5	-70.0	83.5	1.50	1.50	0.00
1,461.9	12.93	303.01	1,454.6	52.7	-81.2	96.8	1.50	1.50	0.00
1,500.0	12.93	303.01	1,491.7	57.4	-88.3	105.4	0.00	0.00	0.00
1,600.0	12.93	303.01	1,589.2	69.6	-107.1	127.7	0.00	0.00	0.00
1,700.0	12.93	303.01	1,686.7	81.8	-125.9	150.1	0.00	0.00	0.00
1,800.0	12.93	303.01	1,784.1	94.0	-144.6	172.5	0.00	0.00	0.00
1,900.0	12.93	303.01	1,881.6	106.1	-163.4	194.8	0.00	0.00	0.00
2,000.0	12.93	303.01	1,979.1	118.3	-182.2	217.2	0.00	0.00	0.00
2,100.0	12.93	303.01	2,076.5	130.5	-200.9	239.6	0.00	0.00	0.00
2,200.0	12.93	303.01	2,174.0	142.7	-219.7	262.0	0.00	0.00	0.00
2,300.0	12.93	303.01	2,271.5	154.9	-238.4	284.3	0.00	0.00	0.00
2,400.0	12.93	303.01	2,368.9	167.1	-257.2	306.7	0.00	0.00	0.00
2,500.0	12.93	303.01	2,466.4	179.3	-276.0	329.1	0.00	0.00	0.00
2,600.0	12.93	303.01	2,563.9	191.5	-294.7	351.5	0.00	0.00	0.00
2,700.0	12.93	303.01	2,661.3	203.7	-313.5	373.8	0.00	0.00	0.00
2,800.0	12.93	303.01	2,758.8	215.8	-332.2	396.2	0.00	0.00	0.00
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3,000.0	12.93	303.01	2,953.7	240.2	-369.8	440.9	0.00	0.00	0.00
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3,200.0	12.93	303.01	3,148.6	264.6	-407.3	485.7	0.00	0.00	0.00
3,300.0	12.93	303.01	3,246.1	276.8	-426.0	508.1	0.00	0.00	0.00
3,400.0	12.93	303.01	3,343.6	289.0	-444.8	530.4	0.00	0.00	0.00
3,500.0	12.93	303.01	3,441.0	301.2	-463.6	552.8	0.00	0.00	0.00
3,600.0	12.93	303.01	3,538.5	313.3	-482.3	575.2	0.00	0.00	0.00
3,700.0	12.93	303.01	3,636.0	325.5	-501.1	597.5	0.00	0.00	0.00
3,800.0	12.93	303.01	3,733.4	337.7	-519.8	619.9	0.00	0.00	0.00
3,900.0	12.93	303.01	3,830.9	349.9	-538.6	642.3	0.00	0.00	0.00
4,000.0	12.93	303.01	3,928.4	362.1	-557.4	664.7	0.00	0.00	0.00
4,100.0	12.93	303.01	4,025.8	374.3	-576.1	687.0	0.00	0.00	0.00
4,200.0	12.93	303.01	4,123.3	386.5	-594.9	709.4	0.00	0.00	0.00
4,300.0	12.93	303.01	4,220.8	398.7	-613.7	731.8	0.00	0.00	0.00
4,400.0	12.93	303.01	4,318.2	410.9	-632.4	754.2	0.00	0.00	0.00
4,500.0	12.93	303.01	4,415.7	423.0	-651.2	776.5	0.00	0.00	0.00
4,600.0	12.93	303.01	4,513.2	435.2	-669.9	798.9	0.00	0.00	0.00
4,700.0	12.93	303.01	4,610.6	447.4	-688.7	821.3	0.00	0.00	0.00
4,800.0	12.93	303.01	4,708.1	459.6	-707.5	843.6	0.00	0.00	0.00
4,900.0	12.93	303.01	4,805.6	471.8	-726.2	866.0	0.00	0.00	0.00
5,000.0	12.93	303.01	4,903.0	484.0	-745.0	888.4	0.00	0.00	0.00
5,100.0	12.93	303.01	5,000.5	496.2	-763.7	910.8	0.00	0.00	0.00
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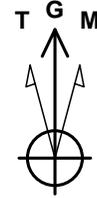


<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well N-2-9-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	N-2-9-15 @ 6041.0ft (Newfield Rig)
<b>Site:</b>	SECTION 2 T9, R15	<b>North Reference:</b>	Grid
<b>Well:</b>	N-2-9-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,253.4	12.93	303.01	5,150.0	514.9	-792.5	945.1	0.00	0.00	0.00
<b>N-2-9-15 TGT</b>									
5,300.0	12.93	303.01	5,195.4	520.5	-801.3	955.5	0.00	0.00	0.00
5,400.0	12.93	303.01	5,292.9	532.7	-820.0	977.9	0.00	0.00	0.00
5,500.0	12.93	303.01	5,390.3	544.9	-838.8	1,000.3	0.00	0.00	0.00
5,600.0	12.93	303.01	5,487.8	557.1	-857.5	1,022.6	0.00	0.00	0.00
5,700.0	12.93	303.01	5,585.3	569.3	-876.3	1,045.0	0.00	0.00	0.00
5,800.0	12.93	303.01	5,682.7	581.5	-895.1	1,067.4	0.00	0.00	0.00
5,900.0	12.93	303.01	5,780.2	593.7	-913.8	1,089.7	0.00	0.00	0.00
6,000.0	12.93	303.01	5,877.7	605.9	-932.6	1,112.1	0.00	0.00	0.00
6,100.0	12.93	303.01	5,975.1	618.1	-951.4	1,134.5	0.00	0.00	0.00
6,200.0	12.93	303.01	6,072.6	630.2	-970.1	1,156.9	0.00	0.00	0.00
6,300.0	12.93	303.01	6,170.1	642.4	-988.9	1,179.2	0.00	0.00	0.00
6,400.0	12.93	303.01	6,267.5	654.6	-1,007.6	1,201.6	0.00	0.00	0.00
6,433.3	12.93	303.01	6,300.0	658.7	-1,013.9	1,209.1	0.00	0.00	0.00



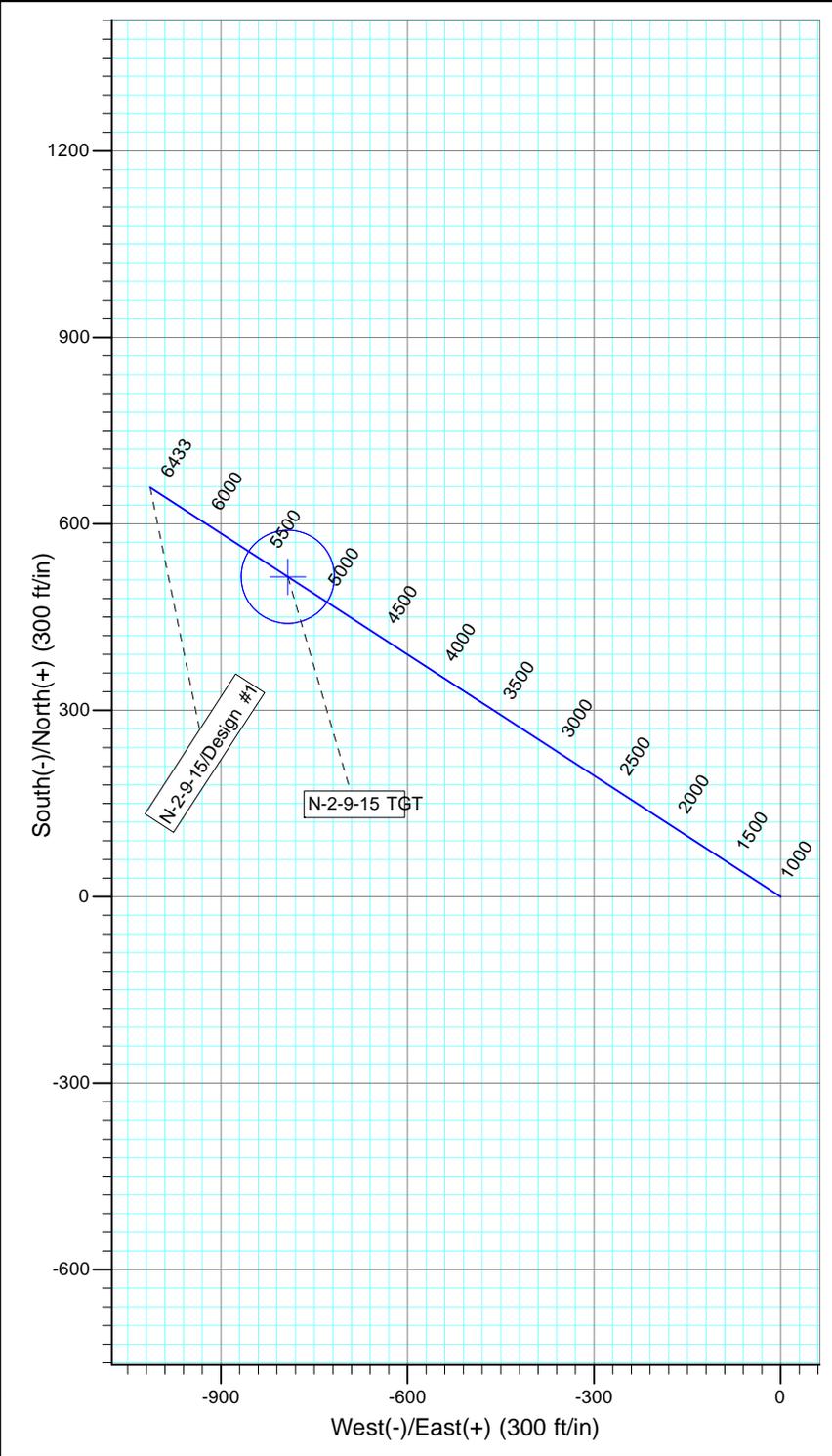
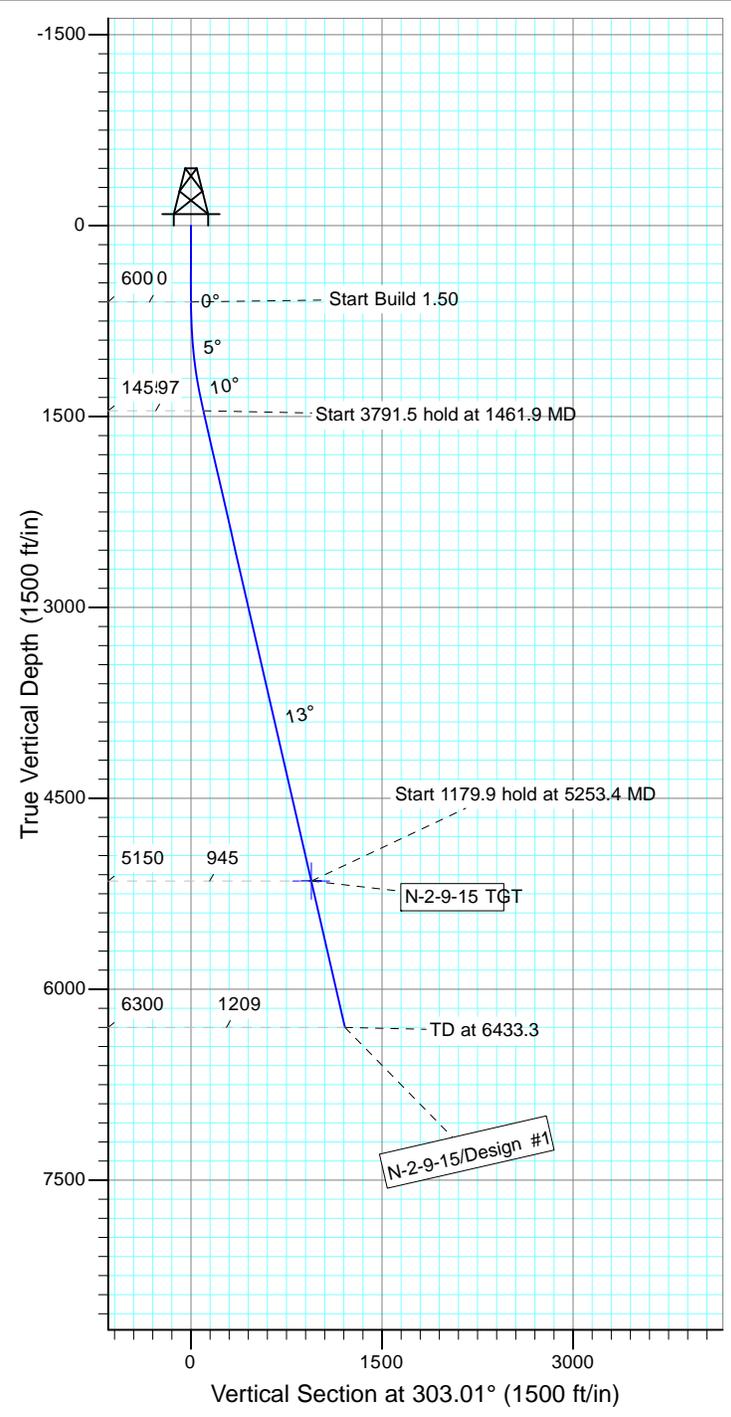
Project: USGS Myton SW (UT)  
 Site: SECTION 2 T9, R15  
 Well: N-2-9-15  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to Grid North  
 True North: -0.83°  
 Magnetic North: 10.54°

Magnetic Field  
 Strength: 52252.3snT  
 Dip Angle: 65.78°  
 Date: 2011/06/20  
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-2-9-15 TGT	5150.0	514.9	-792.5	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	1461.9	12.93	303.01	1454.6	52.7	-81.2	1.50	303.01	96.8	
4	5253.4	12.93	303.01	5150.0	514.9	-792.5	0.00	0.00	945.1	N-2-9-15 TGT
5	6433.3	12.93	303.01	6300.0	658.7	-1013.9	0.00	0.00	1209.1	



**NEWFIELD PRODUCTION COMPANY  
GMBU N-2-9-15  
AT SURFACE: NE/SW SECTION 2, 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 N-2-9-15 located in the NE 1/4 SW 1/4 Section 2, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 6.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 0.8 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 1.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 1.3 miles  $\pm$  to it's junction with an existing road to the northwest; proceed northwesterly - 0.2 miles  $\pm$  to the existing 11-2-9-15 well pad.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 11-2-9-15 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**

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

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

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

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

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

11. **OTHER ADDITIONAL INFORMATION :**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-03-MQ-0751b,s 11/18/03, prepared by

Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 7/28/03. See attached report cover pages, Exhibit "D".

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

#### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

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

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU N-2-9-15, 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 N-2-9-15, 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 REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton

Address: Newfield Production Company  
Route 3, Box 3630

Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-2-9-15, Section 2, Township 9S, Range 15E: Lease ML-43538 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

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

7/29/11  
Date

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

## 2-M SYSTEM

Blowout Prevention Equipment Systems

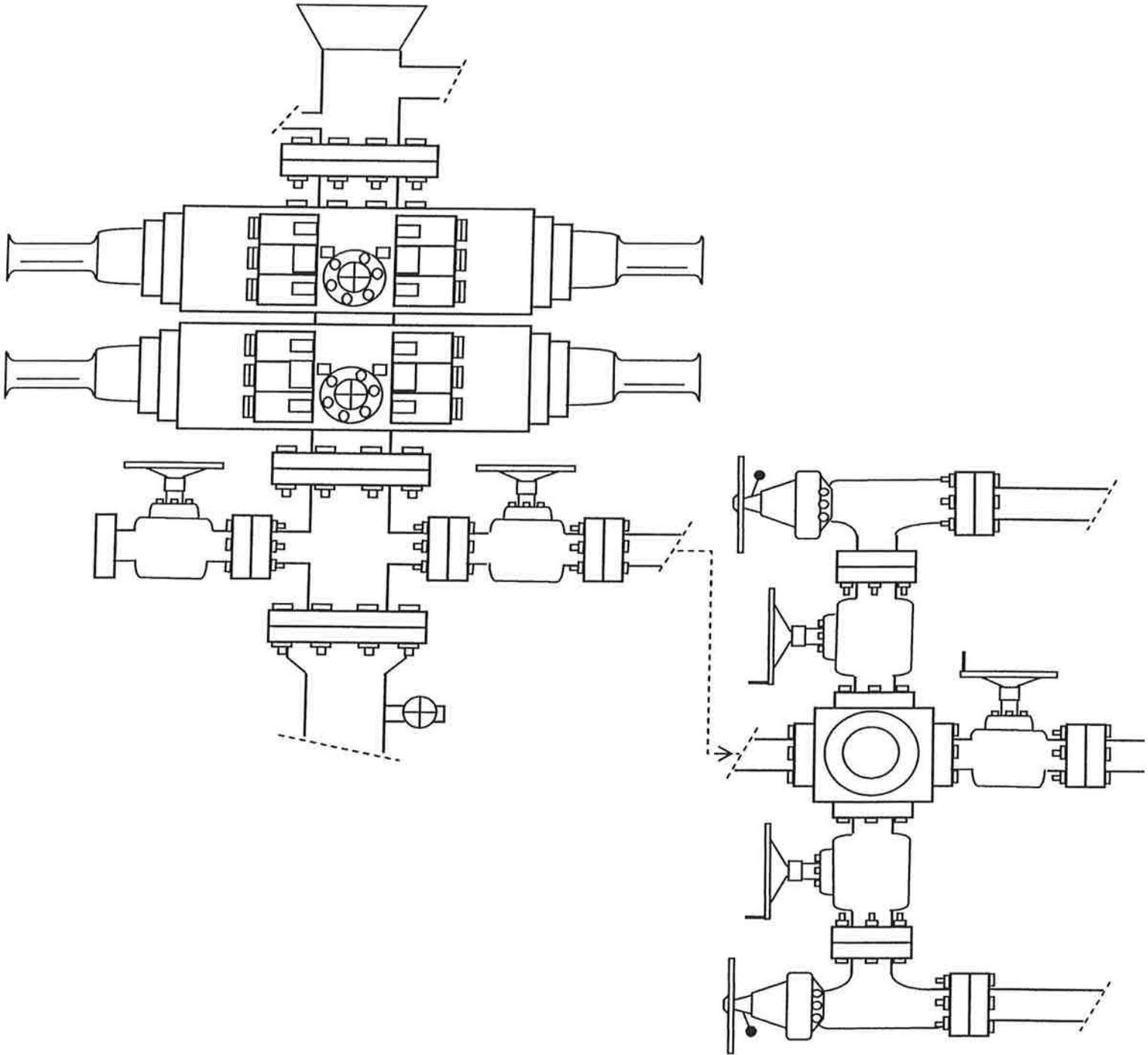


EXHIBIT C

# NEWFIELD EXPLORATION COMPANY

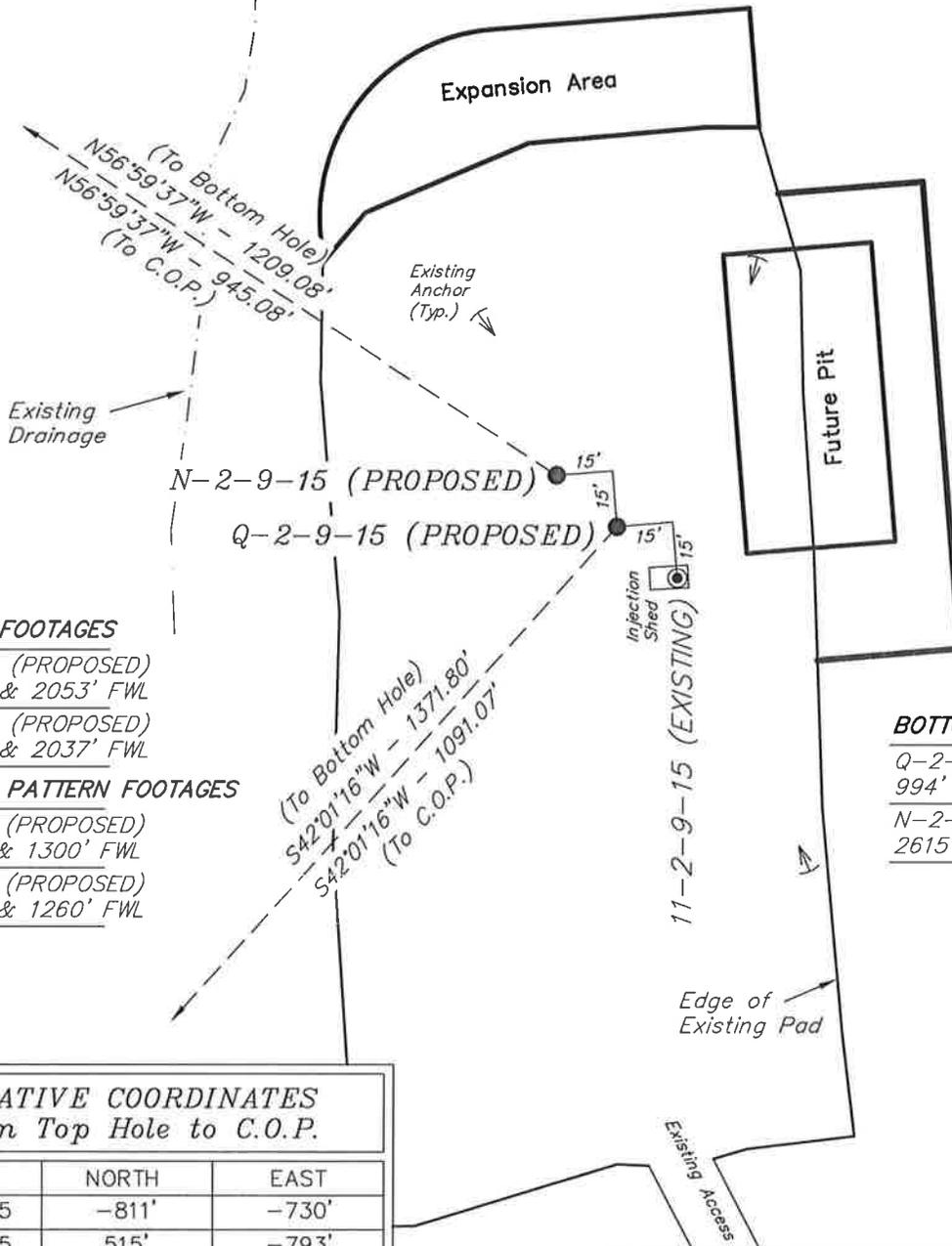
## WELL PAD INTERFERENCE PLAT

11-2-9-15 (Existing Well)

Q-2-9-15 (Proposed Well)

N-2-9-15 (Proposed Well)

Pad Location: *NESW Section 2, T9S, R15E, S.L.B.&M.*



**TOP HOLE FOOTAGES**

Q-2-9-15 (PROPOSED)  
2001' FSL & 2053' FWL  
N-2-9-15 (PROPOSED)  
2015' FSL & 2037' FWL

**CENTER OF PATTERN FOOTAGES**

Q-2-9-15 (PROPOSED)  
1200' FSL & 1300' FWL  
N-2-9-15 (PROPOSED)  
2540' FSL & 1260' FWL

**BOTTOM HOLE FOOTAGES**

Q-2-9-15 (PROPOSED)  
994' FSL & 1106' FWL  
N-2-9-15 (PROPOSED)  
2615' FSL & 1043' FWL

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

WELL	NORTH	EAST
Q-2-9-15	-811'	-730'
N-2-9-15	515'	-793'

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

WELL	NORTH	EAST
Q-2-9-15	-1019'	-918'
N-2-9-15	659'	-1014'

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

WELL	LATITUDE	LONGITUDE
Q-2-9-15	40° 03' 29.37"	110° 12' 05.83"
N-2-9-15	40° 03' 29.50"	110° 12' 06.04"
11-2-9-15	40° 03' 29.23"	110° 12' 05.63"

SURVEYED BY: K.S.      DATE SURVEYED: 06-08-11      VERSION:  
 DRAWN BY: M.W.      DATE DRAWN: 06-28-11      **V1**  
 SCALE: 1" = 50'      REVISED:

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

# NEWFIELD EXPLORATION COMPANY

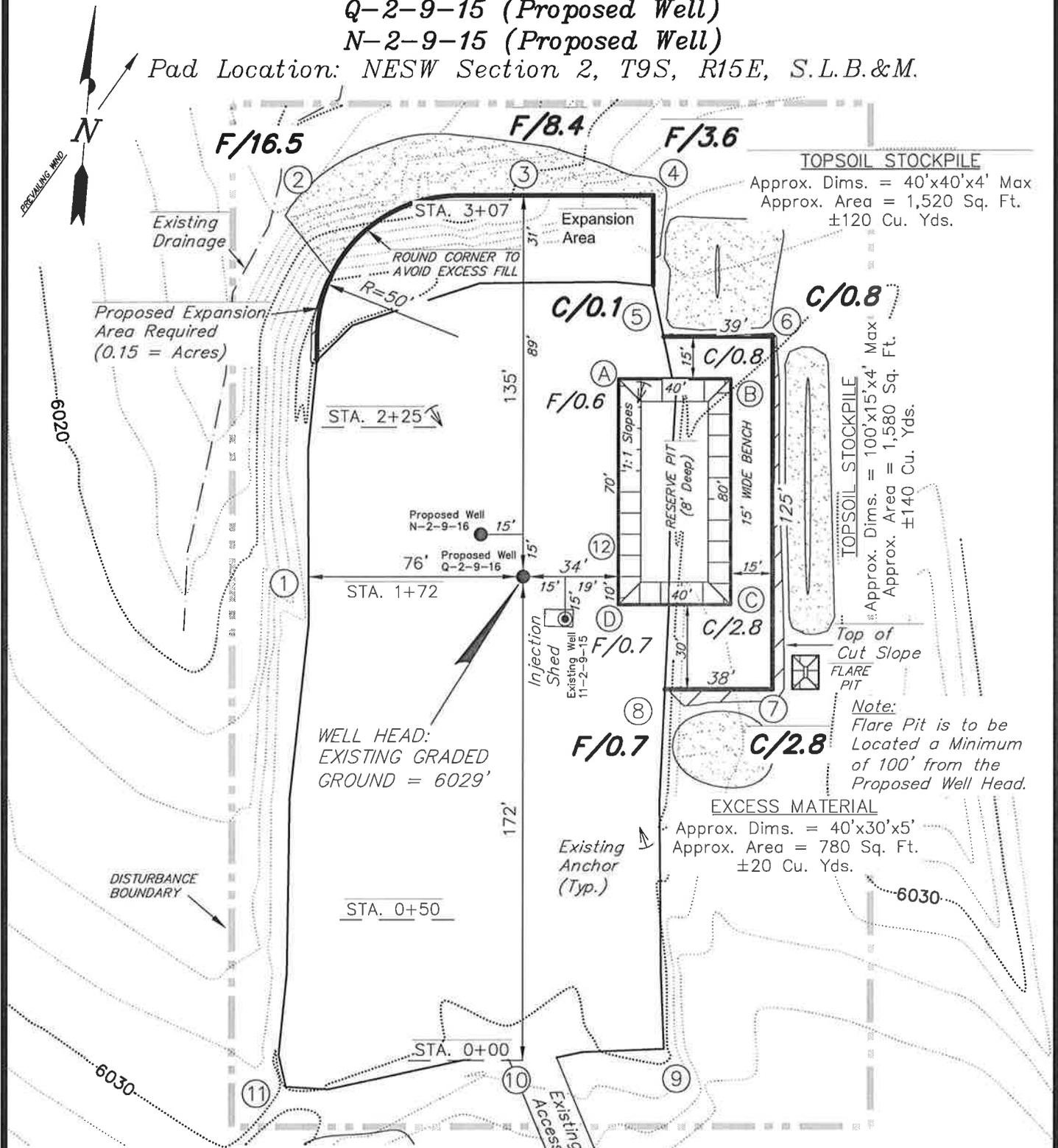
## LOCATION LAYOUT

11-2-9-15 (Existing Well)

Q-2-9-15 (Proposed Well)

N-2-9-15 (Proposed Well)

Pad Location: NESW Section 2, T9S, R15E, S.L.B.&M.



**NOTE:**

The topsoil & excess material areas are calculated as being mounds containing 270 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

**Note:**

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

SURVEYED BY: K.S.	DATE SURVEYED: 06-08-11	VERSION:	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: M.W.	DATE DRAWN: 06-14-11	V1	
SCALE: 1" = 50'	REVISED:		

(435) 781-2501

# NEWFIELD EXPLORATION COMPANY

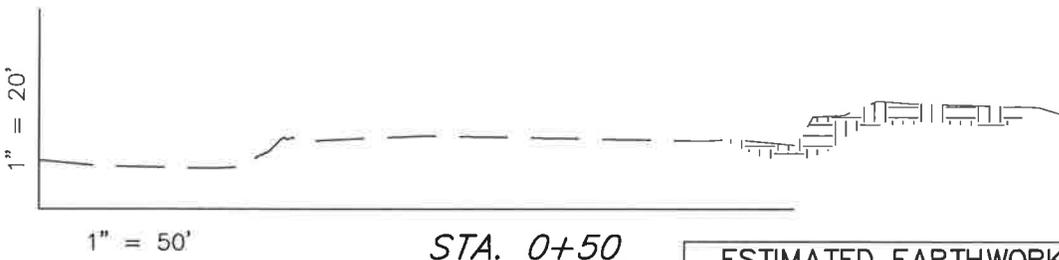
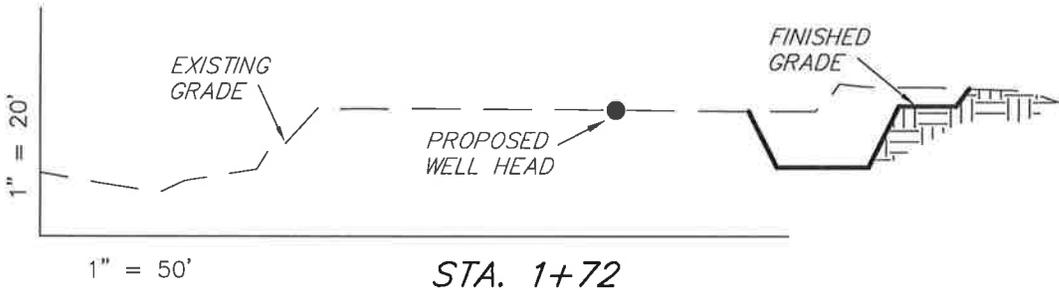
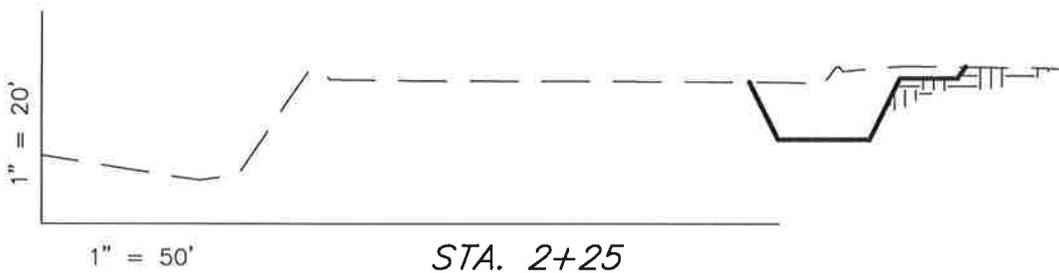
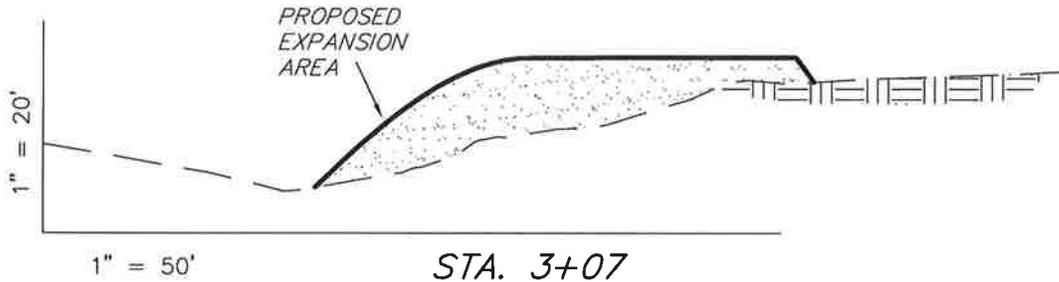
## CROSS SECTIONS

11-2-9-15 (Existing Well)

Q-2-9-15 (Proposed Well)

N-2-9-15 (Proposed Well)

Pad Location: NESW Section 2, T9S, R15E, S.L.B.&M.



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	140	810	Topsoil is not included in Pad Cut	-670
PIT	690	0		690
<b>TOTALS</b>	<b>830</b>	<b>810</b>	<b>220</b>	<b>20</b>

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

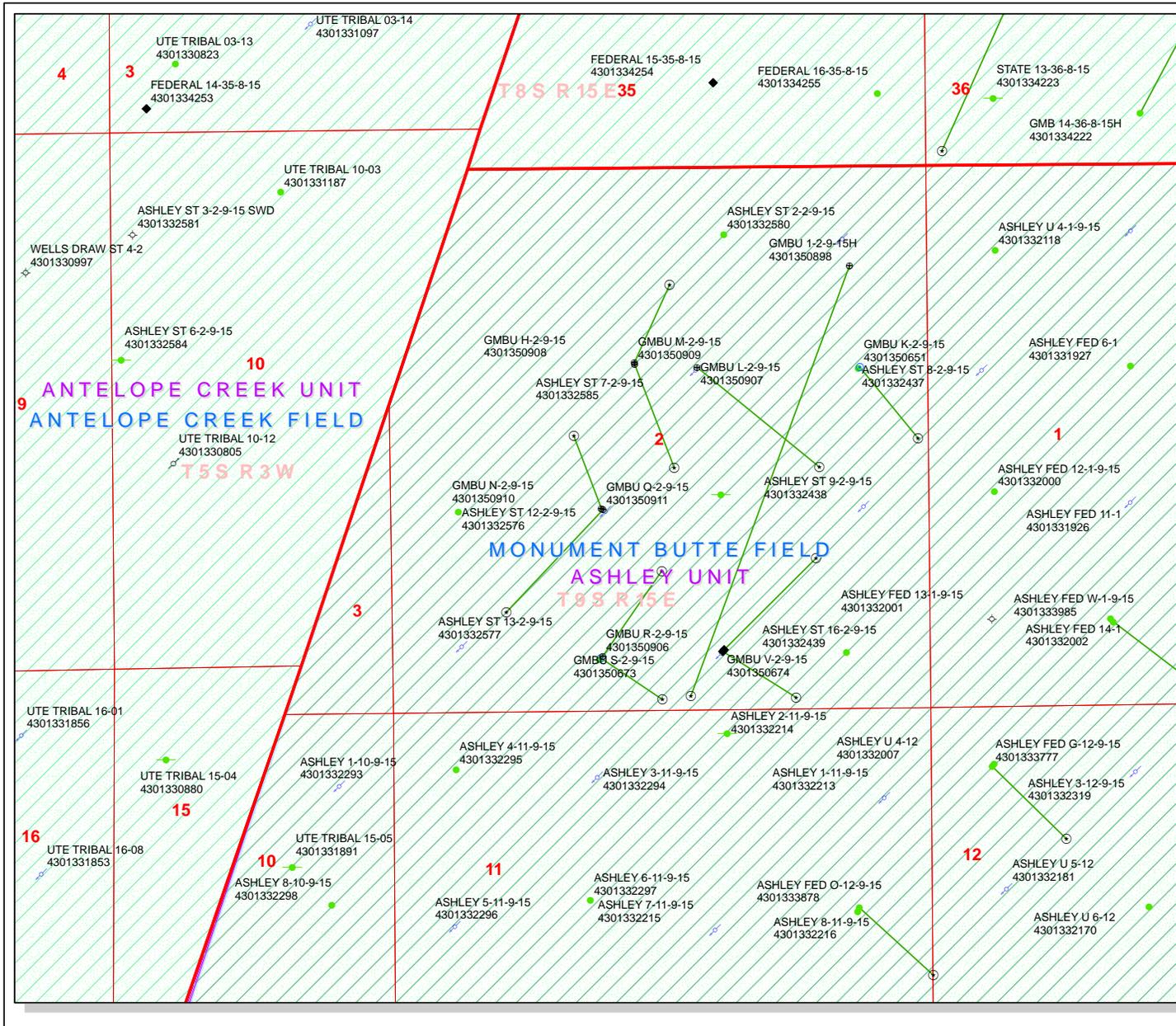
SURVEYED BY: K.S.	DATE SURVEYED: 06-08-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 06-14-11	V1
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

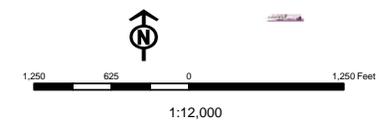




**API Number: 4301350910**  
**Well Name: GMBU N-2-9-15**  
**Township T0.9 . Range R1.5 . Section 02**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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



# 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)

August 3, 2011

Memorandum

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

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

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50906	GMBU R-2-9-15	Sec 02 T09S R15E 0561 FSL 2050 FWL BHL Sec 02 T09S R15E 1367 FSL 2620 FEL
43-013-50907	GMBU L-2-9-15	Sec 02 T09S R15E 1977 FNL 2241 FEL BHL Sec 02 T09S R15E 2357 FSL 1068 FEL
43-013-50908	GMBU H-2-9-15	Sec 02 T09S R15E 1893 FNL 1639 FWL BHL Sec 02 T09S R15E 1171 FNL 2510 FEL
43-013-50909	GMBU M-2-9-15	Sec 02 T09S R15E 1913 FNL 1641 FWL BHL Sec 02 T09S R15E 2377 FSL 2492 FEL
43-013-50910	GMBU N-2-9-15	Sec 02 T09S R15E 2015 FSL 2037 FWL BHL Sec 02 T09S R15E 2615 FNL 1043 FWL
43-013-50911	GMBU Q-2-9-15	Sec 02 T09S R15E 2001 FSL 2053 FWL BHL Sec 02 T09S R15E 0994 FSL 1106 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.08.03 14:18:49 -06'00'

**RECEIVED: August 04, 2011**

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

MCoulthard:mc:8-3-11



*VIA ELECTRONIC DELIVERY*

August 9, 2011

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

RE: Directional Drilling  
**GMBU N-2-9-15**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 2: NESW (ML-43538)  
2015' FSL 2037' FWL

At Target: T9S-R15E Section 2: SWNW (ML-43538)  
2615' FNL 1043' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 7/28/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

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

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at [pburns@newfield.com](mailto:pburns@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "P. Burns", with a long horizontal flourish extending to the right.

Peter Burns  
Land Associate

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: <b>ML-43538</b>	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company			9. WELL NAME and NUMBER: GMBU N-2-9-15	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052		PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES)  AT SURFACE: NE/SW 2015' FSL 2037' FWL Sec. 2 T9S R15E AT PROPOSED PRODUCING ZONE: SW/NW 2615' FNL 1043' FWL Sec. 2 T9S R15E			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 9S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 14.1 miles southwest of Myton, Utah			12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 1043' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 621.07 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1,199'	19. PROPOSED DEPTH: 6,433	20. BOND DESCRIPTION: #B001834		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6029' GL	22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011	23. ESTIMATED DURATION: (15) days from SPUD to rig release		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	138 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,433	Lead(Prem Lite II)	307 sx +/-	3.26	11.0
					Tail (50/50 Poz)	363 sx +/-	1.24	14.3

25. **ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE 7/29/11

(This space for State use only)

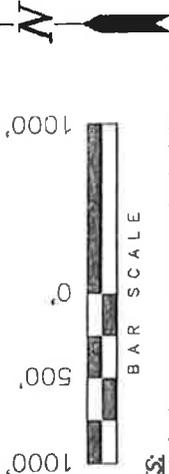
API NUMBER ASSIGNED: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

**NEWFIELD EXPLORATION COMPANY**

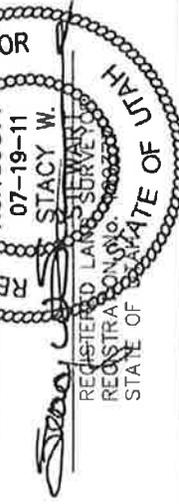
WELL LOCATION, N-2-9-15, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-2-9-15, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 (LOT 5) OF SECTION 2, 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.
  3. The Proposed Bottom Hole bears N86°50'30"E 1043.18' from the West Corner of Section 2.

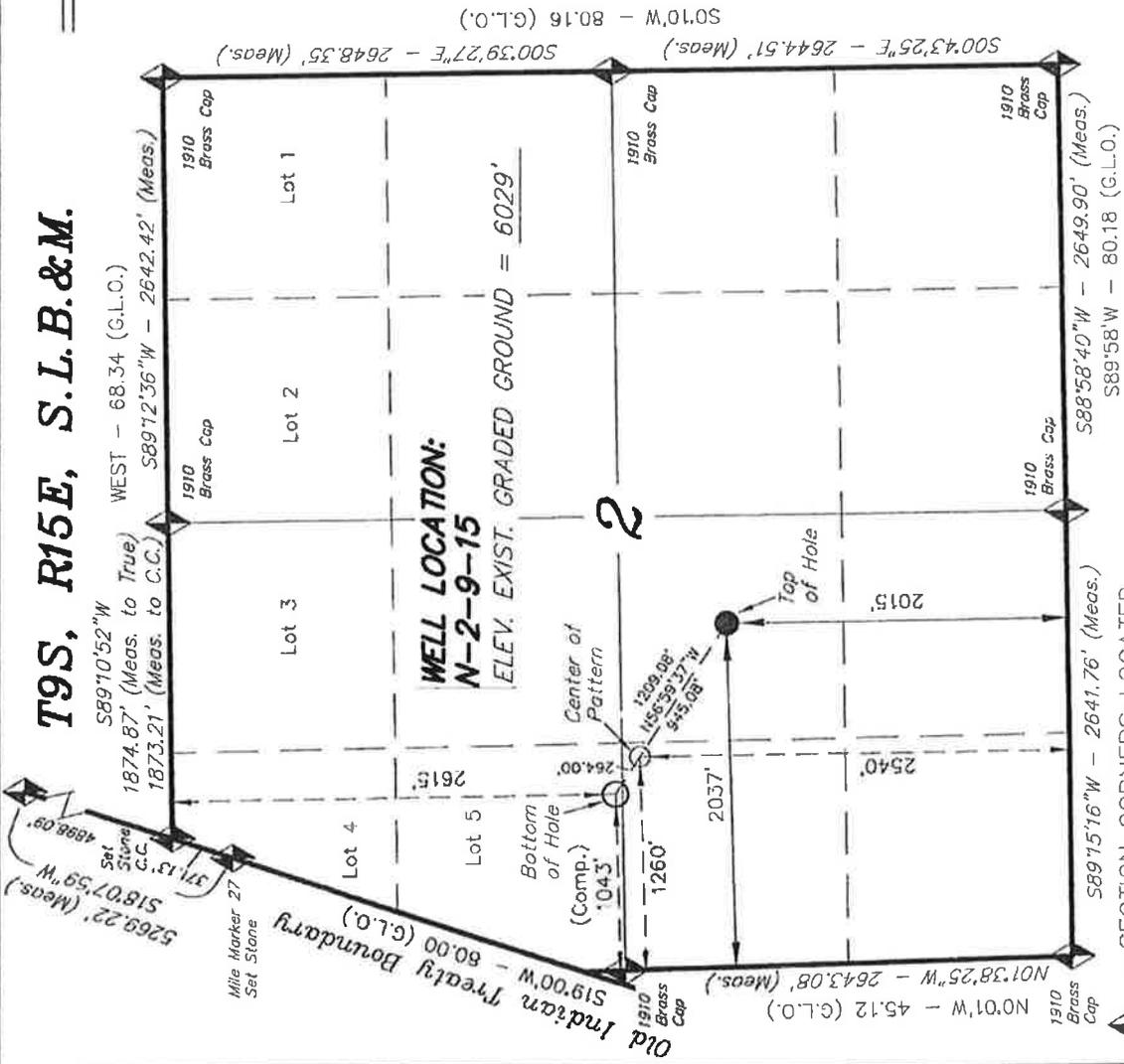
THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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

DATE SURVEYED: 06-08-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 06-28-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

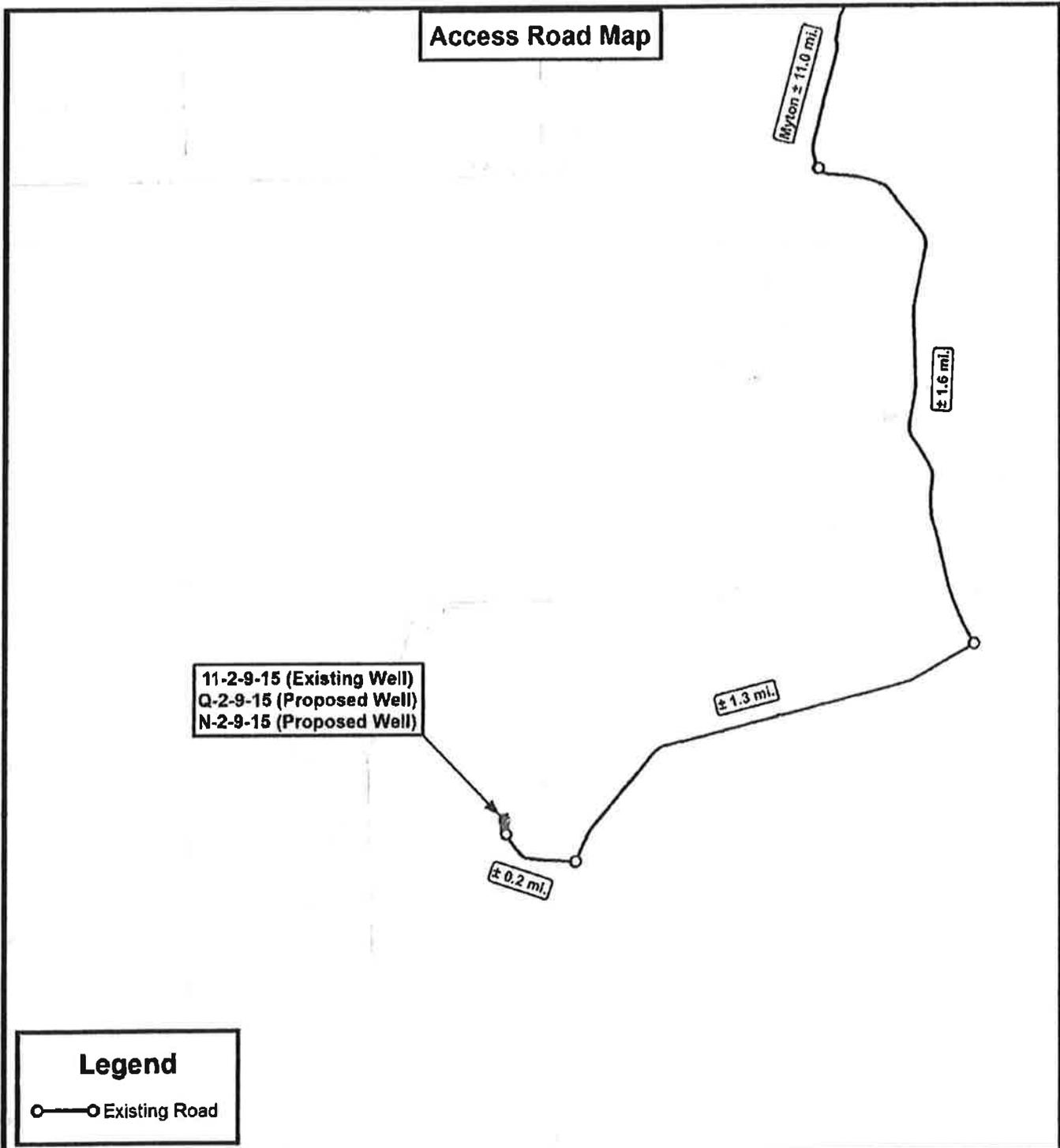
**T9S, R15E, S.L.B.&M.**



**WELL LOCATION:  
N-2-9-15**  
ELEV. EXIST. GRADED GROUND = 6029'

**N-2-9-15**  
(Surface Location) NAD 83  
LATITUDE = 40° 03' 29.50"  
LONGITUDE = 110° 12' 06.04"

**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'



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

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



**NEWFIELD EXPLORATION COMPANY**  
 11-2-9-15 (Existing Well)  
 Q-2-9-15 (Proposed Well)  
 N-2-9-15 (Proposed Well)  
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

Well Name	NEWFIELD PRODUCTION COMPANY GMBU N-2-9-15 43013			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6300		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2728	8.3		

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

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2752	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1996	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1366	YES <input type="checkbox"/> OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1432	NO <input type="checkbox"/> Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

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

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

API Well Number: 43013509100000

\*Max Pressure Allowed @ Previous Casing Shoe=

psi \*Assumes 1psi/ft frac gradient

**RECEIVED: September 20, 2011**

**From:** Jim Davis  
**To:** Hill, Brad; Mason, Diana  
**CC:** Bonner, Ed; Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield...  
**Date:** 9/20/2011 3:45 PM  
**Subject:** Newfield APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

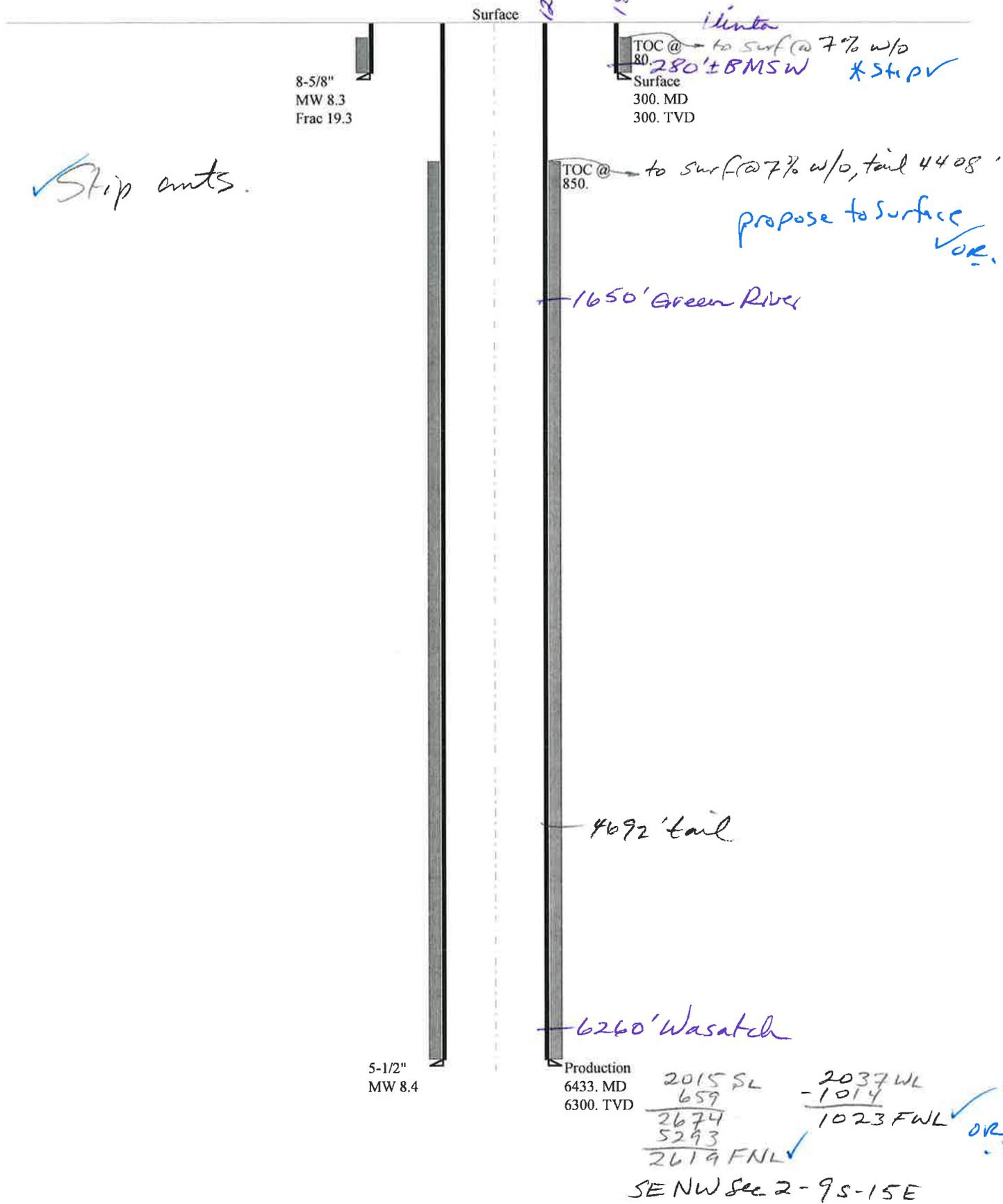
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4304751881 GMBU M-32-8-18  
4304751882 GMBU G-32-8-18  
4304751883 GMBU N-32-8-18  
4304751884 GMBU S-32-8-18  
4301350898 GMBU 1-2-9-15H  
4301350906 GMBU R-2-9-15  
4301350907 GMBU L-2-9-15  
4301350908 GMBU H-2-9-15  
4301350909 GMBU M-2-9-15  
4301350910 GMBU N-2-9-15  
4301350911 GMBU Q-2-9-15

Thanks.  
-Jim

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

# 43013509100000 GMBU N-2-9-15

## Casing Schematic



Well name:	<b>43013509100000 GMBU N-2-9-15</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-013-50910
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

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

**Burst**

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

No backup mud specified.

**Tension:**

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

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

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 6,300 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 2,749 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 300 ft  
 Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

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

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

Date: August 18, 2011  
 Salt Lake City, Utah

**Remarks:**

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

Burst strength is not adjusted for tension.

Well name:	<b>43013509100000 GMBU N-2-9-15</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50910
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

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

Cement top: 850 ft

**Burst**

Max anticipated surface pressure: 1,363 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 2,749 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 5,612 ft

**Directional Info - Build & Hold**

Kick-off point 600 ft  
 Departure at shoe: 1209 ft  
 Maximum dogleg: 1.5 °/100ft  
 Inclination at shoe: 12.93 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6433	5.5	15.50	J-55	LT&C	6300	6433	4.825	22715

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2749	4040	1.470	2749	4810	1.75	97.6	217	2.22 J

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

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

Date: August 18, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** GMBU N-2-9-15  
**API Number** 43013509100000      **APD No** 4290      **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4** NESW      **Sec 2 Tw 9.0S Rng 15.0E** 2015 FSL 2037 FWL  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

M. Jones (UDOGM), T. Eaton (Newfield), J. Davis (SITLA), A. Hansen (DWR).

### Regional/Local Setting & Topography

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is approximately 20' of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0	<b>Width 110 Length 307</b>	Onsite	

#### **Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

existing well pad.

#### **Soil Type and Characteristics**

gravely clay

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

Berm location to prevent fluids from entering and/or leaving the pad.

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

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

**Characteristics / Requirements**

Dugout earthen (80' x 40' x 8') excluded from pad dimensions.

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

**Other Observations / Comments**

Mark Jones  
Evaluator

8/10/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

9/20/2011

## Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4290	43013509100000	SITLA	OW	S	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>		
<b>Well Name</b>	GMBU N-2-9-15	<b>Unit</b>		GMBU (GRRV)	
<b>Field</b>	MONUMENT BUTTE	<b>Type of Work</b>		DRILL	
<b>Location</b>	NESW 2 9S 15E S 2015 FSL 2037 FWL GPS Coord (UTM) 568165E 4434304N				

### Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 280'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill  
**APD Evaluator**

8/16/2011  
**Date / Time**

### Surface Statement of Basis

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is approximately 20' of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit.

Mark Jones  
**Onsite Evaluator**

8/10/2011  
**Date / Time**

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

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

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/29/2011**API NO. ASSIGNED:** 43013509100000**WELL NAME:** GMBU N-2-9-15**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** NESW 02 090S 150E**Permit Tech Review:** **SURFACE:** 2015 FSL 2037 FWL**Engineering Review:** **BOTTOM:** 2615 FNL 1043 FWL**Geology Review:** **COUNTY:** DUCHESNE**LATITUDE:** 40.05812**LONGITUDE:** -110.20079**UTM SURF EASTINGS:** 568165.00**NORTHINGS:** 4434304.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-43538**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

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

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

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

**Comments:** Presite Completed

**Stipulations:**

- 5 - Statement of Basis - bhill
- 8 - Cement to Surface -- 2 strings - hmadonald
- 15 - Directional - dmason
- 27 - Other - bhill



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU N-2-9-15  
**API Well Number:** 43013509100000  
**Lease Number:** ML-43538  
**Surface Owner:** STATE  
**Approval Date:** 9/20/2011

**Issued to:**

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

**Authority:**

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

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

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

**Conditions of Approval:**

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

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

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

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

**Additional Approvals:**

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

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet

- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

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

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

**Contact Information:**

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By  
David Miller Phone Number 435-401-8893  
Well Name/Number GMBU N-2-9-15  
Qtr/Qtr NE/SW Section 2 Township 9S Range 15E  
Lease Serial Number ML-43538  
API Number 43-013-509100000

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

Date/Time 11/30/11      9:00 AM  PM

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

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

Date/Time 11/30/11      2:00 AM  PM

BOPE

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

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

Remarks \_\_\_\_\_

---

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
GMBU N-2-9-15

**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, recenter 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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
GMBU N-2-9-15

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301350910

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

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2015 FSL 2037 FWL  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R15E

COUNTY: DUCHESNE  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/07/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 11/30/11 MIRU Ross #29. Spud well @9:00 AM. Drill 305' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 302.22. On 12/4/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 7.8 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE \_\_\_\_\_  
SIGNATURE Bd Arnold DATE 12/07/2011

(This space for State use only)

**RECEIVED**  
**DEC 13 2011**  
DIV. OF OIL, GAS & MINING





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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	<del>4301350699</del>	<del>GMBU U-7-9-16</del>	NWNW	7	9S	16E	DUCHESNE	11/21/2011	
WELL 1 COMMENTS: <i>processed 11/30/11 Duplicate</i>											
B	99999	17400 ✓	50703 <del>4301350700</del>	GMBU G-8-9-16	NWNW	8	9S	16E	DUCHESNE	12/5/2011	12/16/11
<i>GRRV BHL=SENE</i>											
B	99999	17400 ✓	4301350907	GMBU L-2-9-15	SWNE	2	9S	15E	DUCHESNE	11/29/2011	12/16/11
<i>GRRV BHL=NESE</i>											
B	99999	17400 ✓	4301350728	GMBU W-6-9-16	NENW	7 8	9S	16E	DUCHESNE	11/30/2011	12/16/11
<i>GRRV BHL=Sec 6 SWSE</i>											
B	99999	17400 ✓	4301350911	GMBU Q-2-9-15	NESW	2	9S	15E	DUCHESNE	11/29/2011	12/16/11
<i>GRRV BHL=SWSW</i>											
B	99999	17400 ✓	4301350910	GMBU N-2-9-15	NESW	2	9S	15E	DUCHESNE	11/30/2011	12/16/11
<i>GRRV BHL=SWNW</i>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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

RECEIVED  
 DEC 12 2011

DIV. OF OIL, GAS & MINING

*[Signature]*  
 Signature  
 Production Clerk  
 Jentri Park  
 12/08/11

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-43538	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> GMBU N-2-9-15	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013509100000	
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2015 FSL 2037 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/15/2012	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above well was placed on production on 03/15/2012 at 15:00 hours.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 08, 2012</b>			
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician	
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/23/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-43538
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> GMBU N-2-9-15
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013509100000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2015 FSL 2037 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/15/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above well was placed on production on 03/15/2012 at 15:00 hours. Production Start Sundry re-sent 10/07/2012.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 12, 2012**

<b>NAME (PLEASE PRINT)</b> Kaci Deveraux	<b>PHONE NUMBER</b> 435 646-4867	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/7/2012	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
ML-43538

6. If Indian, Allottee or Tribe Name  
NA

7. Unit or CA Agreement Name and No.  
GMBU (GRRV)

8. Lease Name and Well No.  
GMBU N-2-9-15

9. AFI Well No.  
43-013-50910

10. Field and Pool or Exploratory  
MONUMENT BUTTE

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 2, T9S, R15E

12. County or Parish  
DUCHESNE

13. State  
UT

1a. Type of Well  Oil Well  Gas Well  Dry  Other

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

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 2015' FSL & 2037' FWL (NE/SW) SEC. 2, T9S, R15E (ML-43538)  
At top prod. interval reported below 2416' FSL & 1397' FWL (NE/SW) SEC. 2, T9S, R15E (ML-43538)  
At total depth 2640' FSL & 1013' FWL (SW/NW) SEC. 2, T9S, R15E (ML-43538) *BHL by HSM*

14. Date Spudded  
11/30/2012

15. Date T.D. Reached  
02/16/2012

16. Date Completed 07/11/2012  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6029' GL 6039' KB

18. Total Depth: MD 6433'  
TVD 6300'

19. Plug Back T.D.: MD 6393'  
TVD 6260'

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	299'		160 CLASS "G"			
7-7/8"	5-1/2" J-55	15.5#	0	6417'		275 PRIMLITE 475 50/50 POZ		22'	

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@ 4963'	CE @ 4956'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Green River	4293'	5624'	4293-5624'	0.34"	87	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4293-5624'	Frac w/ 255886# 20/40 white sand and 2237 bbls Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/14/12	7/19/12	24	→	0	0	63			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

RECEIVED

9 2012

\*(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.)

NONE

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4293'	5624'		GARDEN GULCH MARKER	3828'
				GARDEN GULCH 1	4067'
				GARDEN GULCH 2	4180'
				POINT 3 MARKER	4453'
				X MRKR	4722'
				Y MRKR	4759'
				DOUGLAS CREEK MRKR	4873'
				BI-CARBONATE	5129'
				B LIMESTONE	5241'
				CASTLE PEAK	5818'
				BASAL CARBONATE	6246'

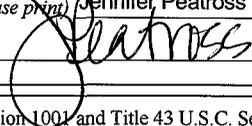
32. Additional remarks (include plugging procedure):

The above well was placed on production on 03/15/2012 at 15:00 hours, flowing water only. The well continued to flow water sporatically until rods and a pumping unit were placed on 07/11/2012 and the well was returned to production at 12:00 hours. Test data was taken on 7/19/2012.

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

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

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

Name (please print) Jennifer Peatross Title Production Technician  
 Signature  Date 07/31/2012

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.

## Daily Activity Report

Format For Sundry

GMBU N-2-9-15

1/1/2012 To 5/30/2012

**2/28/2012 Day: 1**

**Completion**

Rigless on 2/28/2012 - Run CBL, Perf stage 1 - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU Cameron BOP's & 5K 7 1/16" manual frac valve. RU Hot Oiler & WCS test truck. RU 5-1/2" 5K lubricator with single WL ram, pick-up toolstring and make-up lubricator. Function test all wireline rams. Test lubricator and top of frac valve to 200-300 psig low for 5min / 5000 psig high for 10 min psi. RIH & run CBL @ 0 psi on well. WLTD was 6296' w/ cement top @ 22'. With the frac valve closed and the BOP open, Pressure tested the casing and bottom or frac valve to 200-300 psig low / 4300 psig high for 30 min through the production side of the tubing head. RIH w/ 3-1/8" Port Guns & perforate 1st stage. RD Perforators, HO & testers. SIFN w/ 152 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$18,896

**2/29/2012 Day: 2**

**Completion**

Rigless on 2/29/2012 - Frac and flow back well - REPORT SENT THRU AGAIN TO CORRECT COST CODES - Frac and flow back as planed in procedure.

**Daily Cost:** \$0

**Cumulative Cost:** \$163,271

**3/12/2012 Day: 3**

**Completion**

Rigless on 3/12/2012 - MORU. Set Kill Plugs. Press test BOPs. Perp & Tally Pipe - DO A DERRICK INSPCTION, GREASE THE CROWN, SPOT IN RIG AND RIG UP, HOT OILER WAS STILL HOOKED UP TO CASING PUMPING. SIWP WAS 1500 PSI SPOT IN WIRELINE AND RIG UP THEIR EQUIPMENT HELD A TAIL GATE MEETING AND DICUSSED THE JOB STEPS THAT WAS GOING TO BE DONE, FOUR STAR TESTED EXTREMES LUBICATOR TO 1500 PSI FOR 10 MIN (GOOD TEST) RIH W/ KILL PLUG AND SET @ 4230, OPENED UP CSG TO BLEED DOWN AND RIGGED DOWN WIRELINE CSG WAS STILL FLOWING, SPOTTED IN PIPE RACKS, SPOT IN TBG AND UNLOADED CSG WAS STILL FLOWING, SWI AND BUILT UP 900 PSI IN JUST 10 MINUTES, CALLED COMPANY MAN TO INFORM AND GOT AHOLD OF EXTREME WIRELINE TO COME SET ANOTHER KILL PLUG WAITED ON WIRELINE, PREPPED AND TALLIED TBG, RAN HARDLINE, AND RIGGED UP OUR PICK UP RAM SPOT IN WIRELINE AND RIGGED UP THEIR EQUIP, TESTED THEIR LUBICATOR TO 900 PSI ( GOOD TEST) RIH AND TAGGED TH EFIRST KILL PLUG @ 4225 ( 5 FT HIGHER THEN WHERE WE SET IT) SET SECOND KILL PLUG @ 4220, CSG BLEED OFF IMEDIATLEY AND RIGGED DOWN WIRELINE PRESSURE TEST BOTTOM SET OF PIPE RAMS AND TWI TO 5000 PSI (GOOD TEST) TESTED TOP SET OF PIPE RAMS AND TWI TO 5000 PSI AND THE GATE VALVE ON THE BOPS HAD A SMALL DRIP, BLEED OFF PRESSURE TIGHTEN DOWN GATE VALVE AND RETESTED TO 5000 AND GOOD TEST SWIFN , RIGGED UP TBG TONGS AND WASHINGTON HEAD, CLEAN TOOLS

**Daily Cost:** \$0

**Cumulative Cost:** \$215,661

**3/13/2012 Day: 4**

**Completion**

Nabors #1608 on 3/13/2012 - PU Tbg TIH w/ tbg & 4-3/4 Chomp Bit Drill Plugs & Clean Out

Sand - JSA.CSG HAD 1500 PSI, HOOKED UP HARD LINE AND BLEED CSG DOWN 08:00 12:15  
 4 hrs 15 mins B.04 MADE UP 4 3/4 BUTON MILL W/ POP OFF BIT SUB 1 JT, PSN AND 135  
 JTS OF J55 TBG, TAGGED KILL PLUG @ 4220 SPOT IN POWER SWIVEL AND R/U SWIVEL  
 DRILLED UP KILLPLUG DRILLED UP OTHER KILL PLUG @ 4225, AFTER 45 MINS DRILLING THE  
 PLUG UNDER NEATH SHOT UP 1500 PSI AND HAD US STUCK FOR A HOUR WHERE WE  
 COULDNT GO UP OR DOWN. STARTED PICKING UP TBG W/ POWER SWIVEL AND AFTER ONLY  
 FOUR JTS THE TBG CAME ON AND HAD TO STAB THE TWI, TBG WAS FLOWING AND GASSING  
 TO HARD TO BE ABLE TO USE SWIVEL , PUMPED 80 BBLS DWN TBG UP CSG TO GET THE GAS  
 OFF TOP TAGGED PLUG @ 4500 AND DRILLED UP MADE UP 5 JTS USING THE POWER SWIVEL  
 AND TAGGED PLUG @ 4670 DRILLED UP PLUG CIRCULATED CLEAN WITH FRESH WATER  
 CIRCULATED CLEAN WITH FRESH WATER HANG SWIVEL IN DERRICKS, SWIFN, DRAIN MUD  
 PUMP, DRAIN HARD LINE,PUT UP TOOLS

**Daily Cost:** \$0

**Cumulative Cost:** \$222,894

**3/14/2012 Day: 5**

**Completion**

Nabors #1608 on 3/14/2012 - Finish Clean out Flow Back Well - JSA. CSG 1800 PSI, TBG  
 1300 PSI, HOOK UP HARD LINE AND BLEED DOWN CSG, PUMPED 60 BBLS DOWN TBG UP  
 CSG AND TBG STILL HAD 400 PSI, PUMPED BACK DOWN TBG W/ 100 BBLS AND WAS DEAD  
 ENOUGH TO PICK UP TBG.PICKED UP 8 JTS AND TAGGED FILL @ 4920 (60 FT OF FILL)  
 RIGGED UP SWIVEL CLEANED OUT 60 FT OF FILL AND DRILLED UP PLUG, (45 MINS ON PLUG)  
 PICKED UP TBG W/ POWER SWIVEL AND RIH AND TAGGED PLUG @ 5245 (NO FILL) DRILLED  
 UP PLUG HANG BACK POWER SWIVEL AND PICKED UP 30 JTS AND TAGGED FILL @ 6215 (178  
 FT OF FILL) CLEAN OUT 178 FT OF FILL AND TAGG PBDT @ 6393 CIRCULATE CLEAN W/ 180  
 BBLS OF FRESH WATER R/D POWER SWIVEL, STAND 2 STANDS IN THE DERRICK SHUT IN  
 CASING AND LET TBG FLOW BACK 100 BBLS, HAD A PUMPER SET UP THE FLOW LINE TO  
 FLOW OVER NIGHT SHUT IN CSG AND LEFT TBG OPEN TO FLOW W/ A 20 CHOKE IN. PUT UP  
 TOOLS

**Daily Cost:** \$0

**Cumulative Cost:** \$233,488

**3/15/2012 Day: 7**

**Completion**

Nabors #1608 on 3/15/2012 - POOH /wtbg LD tbg. LD tbg@4,280 FS. ND BOP, NU WH, turn  
 well over to production. - SICP700 psi SITP 400 psi. Pmp down tbg w/30 bbl Bw and Kill tbg.  
 TIH w/4 jts 2-7/8" tbg Tag no fill. Pump 190 bbl/BW to KW. Well filling up back side about 1 to  
 1.5 min @ 50 psi. POOH and LD 67 jts 2-7/8 tbg. LD tbg w/donut as follows: Pump out bit @  
 4,283' SN @ 4,251' w/137 jts 2-7/8" tbg. - Safety meeting with Nobal rig crew. Talk about,  
 driving on slippery roads, pinch points, PPE and the right to stop work for safety reasons and  
 PPE. - Flow well over night w/the choke set on 30. Estimated fluid back 272 bbl/water and 50  
 bbl/oil. - Flow well over night w/the choke set on 30. Estimated fluid back 272 bbl/water and  
 50 bbl/oil. - CSG 1200 PSI , TBG 1200 PSI, HOOKED UP HARD LINE AND BLEED DOWN CSG,  
 PUMP 30 BBLS OF BRINE DOWN TBG , RIH W/ 4 JTS TO CHECK FOR FILL(NO FILL) PUMPED  
 190 BBLS OF BRINE DWN TBG UP CSG , GOT BRINE TO SURFACE, PINCHED WELL IN 80 %  
 AND PUMPED ANOTHER 100 BBLS SHUT WELL IN TO LET BRINE WATER SETTLE OPENED UP  
 CSG AND LET IT FLOW BACK TO DIE, OPENED TBG AND WAS TBG WAS DEAD CSG FLOWING  
 @ 50 PSI ALL THE WAY OPENED.SERVICED OUR RIG AND VEHICLES AND CLEANED UP  
 LOCATION. SHUT IN WELL AND PUT A CHOKE ON TBG AND HOOKED UP TO THE FLOW LINE  
 TO FLOW OVER NIGHT WITH THE CHOKE SET ON 30. - CSG 1200 PSI , TBG 1200 PSI,  
 HOOKED UP HARD LINE AND BLEED DOWN CSG, PUMP 30 BBLS OF BRINE DOWN TBG , RIH  
 W/ 4 JTS TO CHECK FOR FILL(NO FILL) PUMPED 190 BBLS OF BRINE DWN TBG UP CSG , GOT  
 BRINE TO SURFACE, PINCHED WELL IN 80 % AND PUMPED ANOTHER 100 BBLS SHUT WELL  
 IN TO LET BRINE WATER SETTLE OPENED UP CSG AND LET IT FLOW BACK TO DIE, OPENED

TBG AND WAS TBG WAS DEAD CSG FLOWING @ 50 PSI ALL THE WAY OPENED. SERVICED OUR RIG AND VEHICLES AND CLEANED UP LOCATION. SHUT IN WELL AND PUT A CHOKE ON TBG AND HOOKED UP TO THE FLOW LINE TO FLOW OVER NIGHT WITH THE CHOKE SET ON 30. - SICP700 psi SITP 400 psi. Pmp down tbg w/30 bbl Bw and Kill tbg. TIH w/4 jts 2-7/8" tbg Tag no fill. Pump 190 bbl/BW to KW. Well filling up back side about 1 to 1.5 min @ 50 psi. POOH and LD 67 jts 2-7/8" tbg. LD tbg w/donut as follows: Pump out bit @ 4,283' SN @ 4,251' w/137 jts 2-7/8" tbg. - ND BOP, NU WH. Ru 2" choke lines. Set choke 15. Turn well over production sales. - ND BOP, NU WH. Ru 2" choke lines. Set choke 15. Turn well over production sales. - Turn well to production sales - Turn well to production sales - Safety meeting with Nobal rig crew. Talk about, driving on slippery roads, pinch points, PPE and the right to stop work for safety reasons and PPE.

**Daily Cost:** \$0

**Cumulative Cost:** \$258,563

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**3/16/2012 Day: 8**

**Completion**

Nabors #1608 on 3/16/2012 - Set choke 15/64 well flowing to production sales. Well turn over to production dept. - Turn well over to production dept. Finally report - Set choke 15/64 well to sales

**Daily Cost:** \$0

**Cumulative Cost:** \$258,563

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**Pertinent Files: Go to File List**

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 2 T9, R15**

**N-2-9-15**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**28 February, 2012**





# Payzone Directional

## Survey Report



<b>Company:</b> NEWFIELD EXPLORATION	<b>Local Co-ordinate Reference:</b> Well N-2-9-15	
<b>Project:</b> USGS Myton SW (UT)	<b>TVD Reference:</b> N-2-9-15 @ 6041.0ft (NDSI SS #2)	
<b>Site:</b> SECTION 2 T9, R15	<b>MD Reference:</b> N-2-9-15 @ 6041.0ft (NDSI SS #2)	
<b>Well:</b> N-2-9-15	<b>North Reference:</b> True	
<b>Wellbore:</b> Wellbore #1	<b>Survey Calculation Method:</b> Minimum Curvature	
<b>Design:</b> Actual	<b>Database:</b> EDM 2003.21 Single User Db	

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

<b>Site</b>	SECTION 2 T9, R15				
<b>Site Position:</b>		<b>Northing:</b>	7,191,145.41 ft	<b>Latitude:</b>	40° 3' 15.350 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,005,088.49 ft	<b>Longitude:</b>	110° 11' 49.770 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.83 °

<b>Well</b>	N-2-9-15, SHL LAT:40 03 29.50 LONG: -110 12 06.04					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,192,558.58 ft	<b>Latitude:</b>	40° 3' 29.500 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,003,802.78 ft	<b>Longitude:</b>	110° 12' 6.040 W
<b>Position Uncertainty</b>	0.0 ft		<b>Wellhead Elevation:</b>	6,041.0 ft	<b>Ground Level:</b>	6,029.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	6/20/2011	11.37	65.78	52,252

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	303.01	

<b>Survey Program</b>	<b>Date</b>	2/28/2012			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
348.0	6,433.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
348.0	0.79	93.11	348.0	-0.1	2.4	-2.1	0.23	0.23	0.00
378.0	0.88	97.77	378.0	-0.2	2.8	-2.5	0.38	0.30	15.53
409.0	0.50	78.20	409.0	-0.2	3.2	-2.8	1.43	-1.23	-63.13
439.0	0.50	16.20	439.0	0.0	3.4	-2.8	1.72	0.00	-206.67
470.0	0.60	355.00	470.0	0.3	3.4	-2.7	0.73	0.32	-68.39
500.0	0.80	341.90	500.0	0.6	3.3	-2.4	0.85	0.67	-43.67
531.0	0.80	0.00	531.0	1.0	3.2	-2.1	0.81	0.00	58.39
561.0	0.80	355.50	561.0	1.5	3.2	-1.9	0.21	0.00	-15.00
592.0	0.90	357.30	592.0	1.9	3.2	-1.6	0.33	0.32	5.81
622.0	1.30	340.20	622.0	2.5	3.1	-1.2	1.71	1.33	-57.00
653.0	1.50	329.50	653.0	3.2	2.7	-0.6	1.06	0.65	-34.52
683.0	2.00	320.30	682.9	3.9	2.2	0.3	1.91	1.67	-30.67



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 2 T9, R15  
**Well:** N-2-9-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-2-9-15  
**TVD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**MD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Bull Rate (°/100ft)	Turn Rate (°/100ft)
714.0	2.50	313.90	713.9	4.8	1.4	1.5	1.80	1.61	-20.65
744.0	2.60	309.50	743.9	5.7	0.4	2.8	0.73	0.33	-14.67
775.0	3.00	305.40	774.9	6.6	-0.8	4.3	1.44	1.29	-13.23
806.0	3.20	299.20	805.8	7.5	-2.2	6.0	1.26	0.65	-20.00
836.0	3.70	298.70	835.8	8.4	-3.8	7.8	1.67	1.67	-1.67
880.0	4.00	295.60	879.7	9.7	-6.4	10.7	0.83	0.68	-7.05
924.0	4.60	293.40	923.5	11.1	-9.5	14.0	1.41	1.36	-5.00
968.0	5.40	293.00	967.4	12.6	-13.0	17.7	1.82	1.82	-0.91
1,011.0	6.00	296.70	1,010.1	14.4	-16.8	22.0	1.64	1.40	8.60
1,055.0	6.70	295.70	1,053.9	16.5	-21.2	26.8	1.61	1.59	-2.27
1,099.0	7.10	297.90	1,097.6	18.9	-25.9	32.0	1.09	0.91	5.00
1,143.0	7.80	301.30	1,141.2	21.7	-30.9	37.7	1.88	1.59	7.73
1,187.0	8.40	303.60	1,184.7	25.1	-36.1	43.9	1.55	1.36	5.23
1,230.0	9.10	305.20	1,227.2	28.8	-41.5	50.5	1.72	1.63	3.72
1,274.0	9.90	306.00	1,270.6	33.0	-47.4	57.7	1.84	1.82	1.82
1,318.0	10.50	305.80	1,313.9	37.6	-53.7	65.5	1.37	1.36	-0.45
1,362.0	11.30	305.90	1,357.2	42.4	-60.5	73.8	1.82	1.82	0.23
1,406.0	12.10	306.40	1,400.2	47.7	-67.7	82.7	1.83	1.82	1.14
1,449.0	12.30	306.40	1,442.3	53.1	-75.0	91.8	0.47	0.47	0.00
1,493.0	12.20	303.40	1,485.3	58.4	-82.6	101.1	1.46	-0.23	-6.82
1,537.0	12.80	303.50	1,528.2	63.7	-90.6	110.6	1.36	1.36	0.23
1,581.0	13.30	302.70	1,571.1	69.1	-98.9	120.6	1.21	1.14	-1.82
1,624.0	14.00	303.30	1,612.9	74.6	-107.4	130.7	1.66	1.63	1.40
1,668.0	14.00	303.50	1,655.6	80.5	-116.3	141.4	0.11	0.00	0.45
1,712.0	14.10	303.80	1,698.2	86.4	-125.2	152.1	0.28	0.23	0.68
1,756.0	14.10	303.30	1,740.9	92.3	-134.1	162.8	0.28	0.00	-1.14
1,800.0	13.60	302.50	1,783.6	98.0	-143.0	173.3	1.22	-1.14	-1.82
1,844.0	13.20	301.40	1,826.4	103.4	-151.6	183.5	1.08	-0.91	-2.50
1,887.0	13.60	301.40	1,868.3	108.6	-160.1	193.5	0.93	0.93	0.00
1,931.0	13.80	301.50	1,911.0	114.1	-169.0	203.9	0.46	0.45	0.23
1,975.0	13.20	302.00	1,953.8	119.5	-177.8	214.1	1.39	-1.36	1.14
2,019.0	12.80	300.60	1,996.7	124.6	-186.2	224.0	1.16	-0.91	-3.18
2,063.0	13.00	300.80	2,039.6	129.6	-194.7	233.9	0.47	0.45	0.45
2,106.0	13.10	304.20	2,081.5	134.9	-202.8	243.6	1.80	0.23	7.91
2,150.0	13.20	304.70	2,124.3	140.5	-211.1	253.6	0.34	0.23	1.14
2,194.0	13.50	303.50	2,167.1	146.2	-219.5	263.7	0.93	0.68	-2.73
2,238.0	14.20	301.80	2,209.8	151.9	-228.4	274.3	1.84	1.59	-3.86
2,281.0	13.70	299.10	2,251.6	157.1	-237.3	284.6	1.91	-1.16	-6.28
2,325.0	13.90	297.50	2,294.3	162.1	-246.5	295.1	0.98	0.45	-3.64
2,369.0	14.20	298.00	2,337.0	167.1	-256.0	305.7	0.74	0.68	1.14
2,413.0	14.20	299.30	2,379.6	172.3	-265.5	316.5	0.72	0.00	2.95
2,457.0	13.90	299.00	2,422.3	177.5	-274.8	327.1	0.70	-0.68	-0.68
2,500.0	13.80	299.20	2,464.1	182.5	-283.8	337.4	0.26	-0.23	0.47
2,544.0	13.30	299.70	2,506.8	187.5	-292.8	347.7	1.17	-1.14	1.14
2,588.0	12.80	299.60	2,549.7	192.5	-301.4	357.6	1.14	-1.14	-0.23
2,632.0	12.70	300.10	2,592.6	197.3	-309.8	367.3	0.34	-0.23	1.14
2,676.0	12.10	300.00	2,635.6	202.0	-318.0	376.7	1.36	-1.36	-0.23
2,719.0	11.80	299.90	2,677.7	206.5	-325.7	385.6	0.70	-0.70	-0.23
2,763.0	11.60	302.20	2,720.8	211.1	-333.4	394.5	1.15	-0.45	5.23
2,807.0	12.30	303.50	2,763.8	216.0	-341.0	403.7	1.70	1.59	2.95
2,851.0	13.10	303.70	2,806.7	221.4	-349.1	413.3	1.82	1.82	0.45
2,894.0	13.90	302.40	2,848.5	226.8	-357.5	423.4	1.99	1.86	-3.02
2,938.0	14.70	302.70	2,891.2	232.7	-366.6	434.2	1.83	1.82	0.68
2,982.0	15.20	302.10	2,933.7	238.8	-376.2	445.6	1.19	1.14	-1.36



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 2 T9, R15  
**Well:** N-2-9-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-2-9-15  
**TVD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**MD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,026.0	14.80	300.70	2,976.2	244.7	-386.0	457.0	1.23	-0.91	-3.18
3,070.0	14.10	299.80	3,018.8	250.2	-395.4	467.9	1.67	-1.59	-2.05
3,113.0	13.80	298.70	3,060.5	255.3	-404.5	478.3	0.93	-0.70	-2.56
3,157.0	14.40	299.30	3,103.2	260.5	-413.9	489.0	1.40	1.36	1.36
3,201.0	14.20	299.80	3,145.8	265.9	-423.3	499.8	0.53	-0.45	1.14
3,245.0	13.40	297.40	3,188.6	270.9	-432.5	510.3	2.24	-1.82	-5.45
3,289.0	13.60	296.50	3,231.3	275.5	-441.7	520.5	0.66	0.45	-2.05
3,332.0	14.37	298.60	3,273.1	280.4	-450.9	530.8	2.14	1.79	4.88
3,376.0	14.80	301.20	3,315.7	285.9	-460.5	541.9	1.78	0.98	5.91
3,420.0	15.10	303.80	3,358.2	292.0	-470.1	553.2	1.67	0.68	5.91
3,464.0	15.10	303.00	3,400.6	298.3	-479.6	564.7	0.47	0.00	-1.82
3,507.0	15.00	301.33	3,442.2	304.2	-489.1	575.9	1.03	-0.23	-3.88
3,551.0	15.00	300.50	3,484.7	310.1	-498.8	587.2	0.49	0.00	-1.89
3,595.0	14.90	300.00	3,527.2	315.8	-508.6	598.6	0.37	-0.23	-1.14
3,639.0	14.77	301.00	3,569.7	321.5	-518.4	609.8	0.65	-0.30	2.27
3,683.0	14.40	300.30	3,612.3	327.2	-527.9	620.9	0.93	-0.84	-1.59
3,726.0	14.00	301.20	3,654.0	332.6	-537.0	631.4	1.06	-0.93	2.09
3,770.0	13.70	299.80	3,696.7	337.9	-546.0	642.0	1.02	-0.68	-3.18
3,814.0	13.00	302.60	3,739.5	343.2	-554.7	652.1	2.17	-1.59	6.36
3,858.0	12.60	301.70	3,782.4	348.3	-563.0	661.9	1.02	-0.91	-2.05
3,901.0	12.30	302.10	3,824.4	353.2	-570.8	671.1	0.73	-0.70	0.93
3,945.0	12.20	300.00	3,867.4	358.1	-578.8	680.5	1.04	-0.23	-4.77
3,989.0	12.22	300.90	3,910.4	362.8	-586.9	689.8	0.43	0.05	2.05
4,033.0	12.30	303.00	3,953.4	367.7	-594.8	699.1	1.03	0.18	4.77
4,076.0	12.13	303.50	3,995.4	372.7	-602.4	708.2	0.47	-0.40	1.16
4,120.0	12.40	305.50	4,038.4	378.0	-610.1	717.5	1.14	0.61	4.55
4,164.0	12.80	307.60	4,081.4	383.7	-617.8	727.1	1.38	0.91	4.77
4,208.0	12.80	307.96	4,124.3	389.7	-625.5	736.8	0.18	0.00	0.82
4,251.0	12.50	307.98	4,166.2	395.5	-632.9	746.2	0.70	-0.70	0.05
4,295.0	12.40	307.30	4,209.2	401.3	-640.4	755.7	0.40	-0.23	-1.55
4,339.0	12.30	306.60	4,252.2	406.9	-648.0	765.1	0.41	-0.23	-1.59
4,383.0	12.30	306.50	4,295.2	412.5	-655.5	774.4	0.05	0.00	-0.23
4,427.0	12.61	306.86	4,338.1	418.2	-663.1	783.9	0.73	0.70	0.82
4,470.0	11.73	305.50	4,380.2	423.5	-670.4	792.9	2.15	-2.05	-3.16
4,514.0	11.60	304.18	4,423.3	428.6	-677.7	801.8	0.67	-0.30	-3.00
4,558.0	11.50	303.00	4,466.4	433.5	-685.1	810.6	0.58	-0.23	-2.68
4,602.0	11.21	304.05	4,509.5	438.3	-692.3	819.3	0.81	-0.66	2.39
4,646.0	11.69	305.37	4,552.6	443.3	-699.5	828.0	1.24	1.09	3.00
4,689.0	11.91	306.29	4,594.7	448.4	-706.6	836.8	0.67	0.51	2.14
4,733.0	11.56	305.33	4,637.8	453.6	-713.8	845.7	0.91	-0.80	-2.18
4,777.0	12.13	306.60	4,680.9	458.9	-721.1	854.8	1.42	1.30	2.89
4,821.0	12.92	306.56	4,723.8	464.6	-728.8	864.3	1.80	1.80	-0.09
4,865.0	12.56	306.47	4,766.7	470.4	-736.6	874.0	0.82	-0.82	-0.20
4,908.0	12.39	304.75	4,808.7	475.8	-744.2	883.3	0.95	-0.40	-4.00
4,952.0	13.14	305.68	4,851.6	481.4	-752.1	893.0	1.77	1.70	2.11
4,996.0	12.96	304.54	4,894.5	487.1	-760.2	902.9	0.71	-0.41	-2.59
5,040.0	12.35	304.32	4,937.4	492.6	-768.2	912.5	1.39	-1.39	-0.50
5,084.0	12.74	303.83	4,980.4	497.9	-776.1	922.1	0.92	0.89	-1.11
5,127.0	12.52	303.70	5,022.3	503.2	-783.9	931.5	0.52	-0.51	-0.30
5,161.0	12.40	300.80	5,055.5	507.1	-790.1	938.8	1.87	-0.35	-8.53
5,215.0	12.60	300.20	5,108.3	513.0	-800.2	950.5	0.44	0.37	-1.11
5,254.5	12.60	299.12	5,146.8	517.3	-807.7	959.1	0.59	0.00	-2.73
<b>N-2-9-15 TGT</b>									
5,259.0	12.60	299.00	5,151.2	517.8	-808.5	960.1	0.59	0.01	-2.73



**Payzone Directional**

Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 2 T9, R15  
**Well:** N-2-9-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-2-9-15  
**TVD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**MD Reference:** N-2-9-15 @ 6041.0ft (NDSI SS #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,302.0	12.60	299.50	5,193.2	522.3	-816.7	969.4	0.25	0.00	1.16
5,346.0	13.13	299.70	5,236.1	527.2	-825.2	979.2	1.21	1.20	0.45
5,390.0	13.80	302.60	5,278.9	532.5	-834.0	989.5	2.16	1.52	6.59
5,434.0	13.24	301.30	5,321.6	537.9	-842.7	999.7	1.45	-1.27	-2.95
5,478.0	12.92	299.30	5,364.5	543.0	-851.3	1,009.7	1.26	-0.73	-4.55
5,521.0	12.80	299.20	5,406.4	547.6	-859.7	1,019.2	0.28	-0.28	-0.23
5,565.0	12.40	300.10	5,449.4	552.4	-868.0	1,028.8	1.01	-0.91	2.05
5,609.0	12.74	300.60	5,492.3	557.2	-876.3	1,038.4	0.81	0.77	1.14
5,653.0	13.58	300.70	5,535.1	562.3	-884.9	1,048.4	1.91	1.91	0.23
5,697.0	13.00	299.10	5,578.0	567.4	-893.7	1,058.5	1.56	-1.32	-3.64
5,740.0	12.05	296.78	5,619.9	571.7	-901.9	1,067.8	2.50	-2.21	-5.40
5,784.0	11.80	295.50	5,663.0	575.7	-910.0	1,076.8	0.83	-0.57	-2.91
5,828.0	11.60	295.30	5,706.1	579.6	-918.1	1,085.6	0.46	-0.45	-0.45
5,872.0	11.39	294.53	5,749.2	583.3	-926.1	1,094.3	0.59	-0.48	-1.75
5,916.0	11.82	295.70	5,792.3	587.0	-934.1	1,103.1	1.11	0.98	2.66
5,960.0	12.08	296.01	5,835.3	591.0	-942.3	1,112.1	0.61	0.59	0.70
6,003.0	12.52	294.12	5,877.4	594.9	-950.6	1,121.2	1.39	1.02	-4.40
6,047.0	12.70	294.25	5,920.3	598.8	-959.3	1,130.7	0.41	0.41	0.30
6,091.0	12.35	293.50	5,963.2	602.7	-968.1	1,140.1	0.88	-0.80	-1.70
6,135.0	11.73	293.42	6,006.3	606.3	-976.5	1,149.2	1.41	-1.41	-0.18
6,179.0	11.34	292.80	6,049.4	609.8	-984.6	1,157.8	0.93	-0.89	-1.41
6,222.0	10.81	292.36	6,091.6	613.0	-992.2	1,166.0	1.25	-1.23	-1.02
6,266.0	9.98	291.53	6,134.9	615.9	-999.6	1,173.8	1.92	-1.89	-1.89
6,310.0	9.40	290.74	6,178.2	618.6	-1,006.5	1,181.0	1.35	-1.32	-1.80
6,354.0	8.96	290.52	6,221.7	621.1	-1,013.0	1,187.9	1.00	-1.00	-0.50
6,376.0	8.70	289.29	6,243.4	622.2	-1,016.2	1,191.1	1.46	-1.18	-5.59
6,433.0	8.50	289.29	6,299.8	625.0	-1,024.3	1,199.4	0.35	-0.35	0.00

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

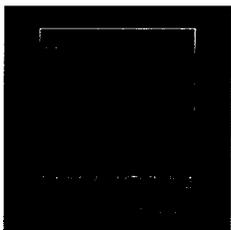
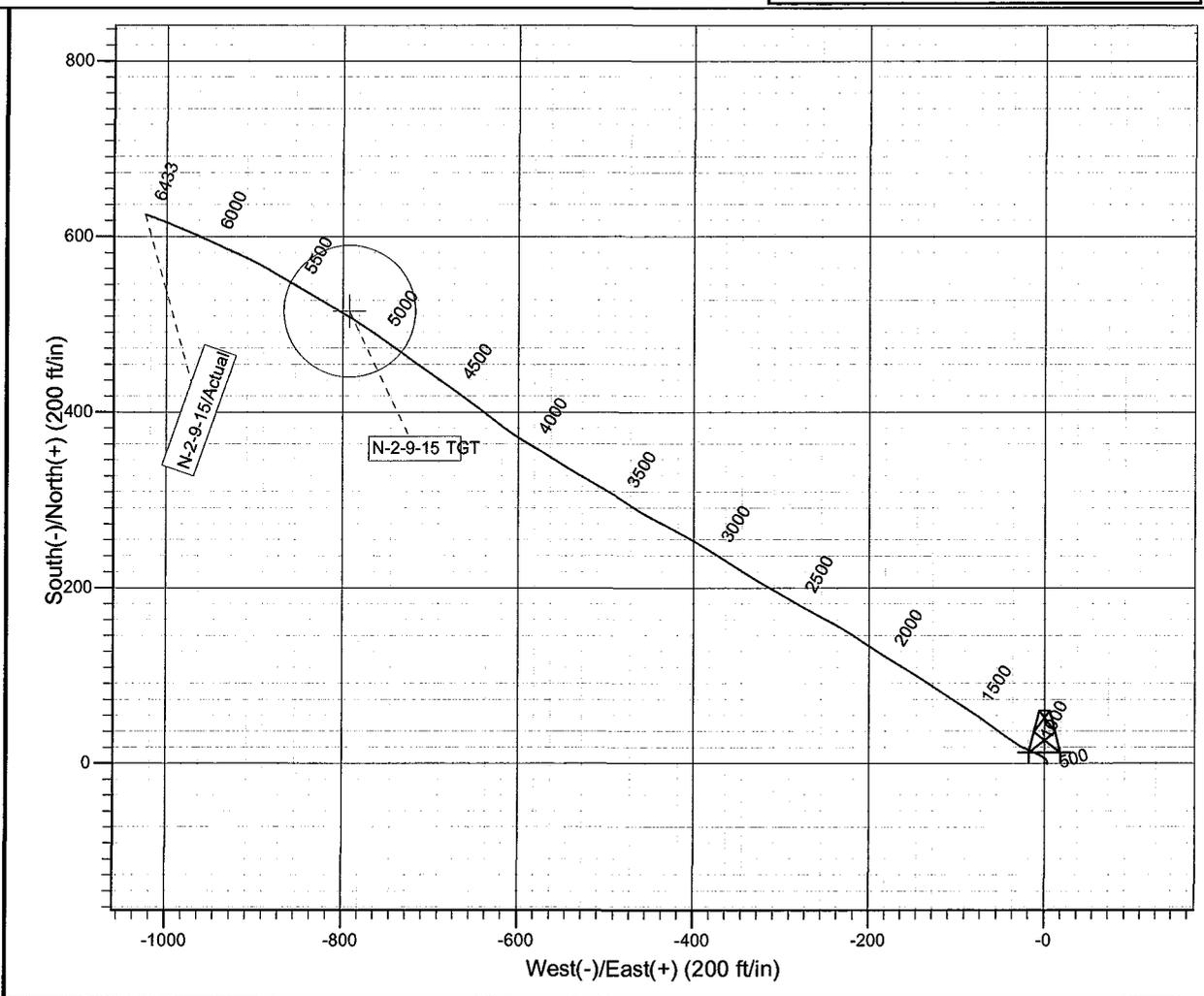
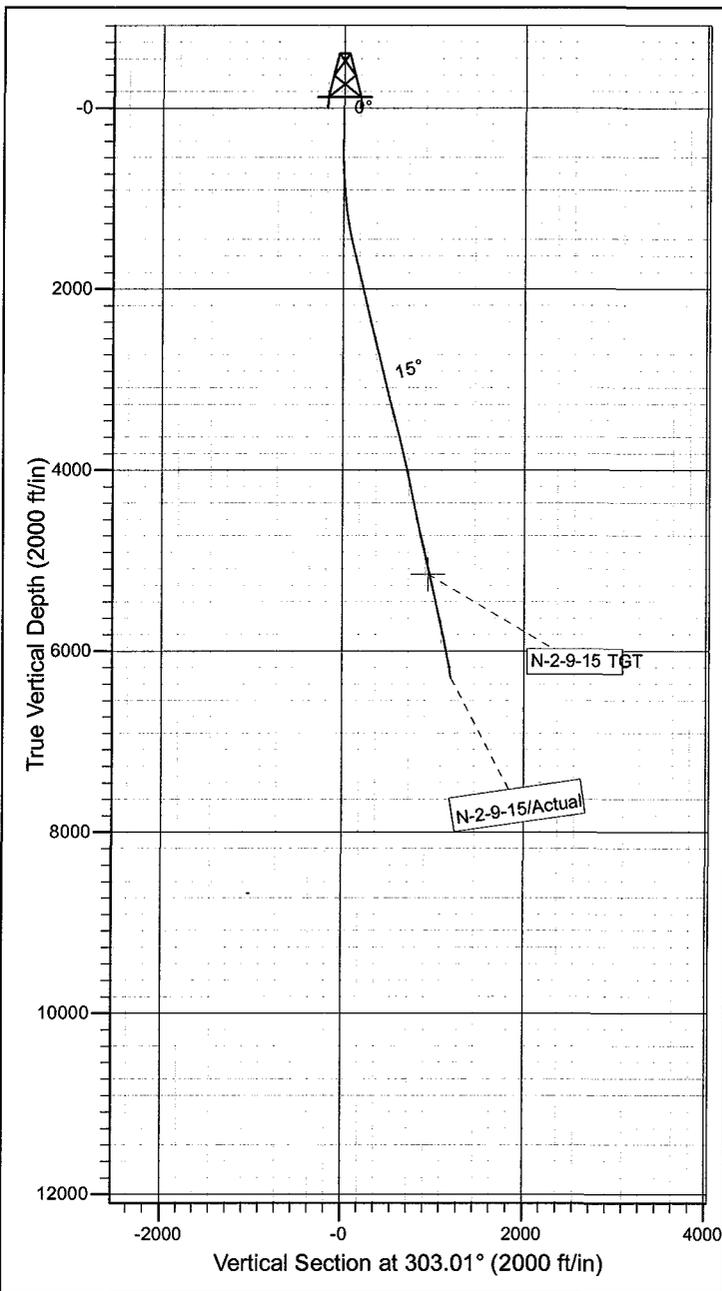
# NEWFIELD



Project: USGS Myton SW (UT)  
 Site: SECTION 2 T9, R15  
 Well: N-2-9-15  
 Wellbore: Wellbore #1  
 Design: Actual

Azimuths to True North  
 Magnetic North: 11.37°

Magnetic Field  
 Strength: 52252.3snT  
 Dip Angle: 65.78°  
 Date: 6/20/2011  
 Model: IGRF2010



Design: Actual (N-2-9-15/Wellbore #1)

Created By: *Sarah Webb*      Date: 16:31, February 28 2012

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



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

November 28, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0440

Mr. Kirby Carroll  
Newfield Production Company  
1001 17<sup>th</sup> Street, STE 2000  
Denver, CO 80202

43 013 50910  
GMBU N-2-9-15  
2 9S 15E

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Carroll:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

Page 2  
Newfield Production Company  
November 28, 2016

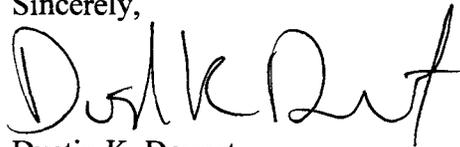
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

**All Submittals should be sent via ePermit**

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/DD/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
→ 10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
11	GMBU M-2-9-15	43-013-50909	ML-43538	2.1
12	Moon 1-29-4-2	43-013-50006	Fee	2.0
13	Moon 1-20-4-2	43-013-50008	Fee	2.0
14	State 1-36-8-15	43-013-34234	ML-21835	2.5
15	Ashley ST 6-2-9-15	43-013-32584	ML-43538	1.10
16	Allen Trust 2-24	43-013-31944	Fee	1.9
17	Lamb 4-34-4-1E	43-047-40272	Fee	1.5
18	Wells Draw 4-32-8-16	43-013-32222	ML-21836	1.8
19	Greater Mon Butte T-36-8-16	43-013-50211	ML-22061	1.8
20	Williams #14-8-4-2	43-013-50617	Fee	1.8
21	Hancock 11-21-4-1	43-013-33242	Fee	1.5
22	Malnar 9-19-4-1	43-013-33913	Fee	1.2
23	Hancock 16-20-4-1	43-013-33914	Fee	1.0
24	State 12-36-8-15	43-013-34224	ML-21835	2.1
25	State 4-36-8-15	43-013-34231	ML-21835	1.4
26	Roberts 4-19-4-1	43-013-50072	Fee	1.1
27	Mon Butte East K-36-8-16	43-013-50112	ML-22061	1.1
28	S Mon Butte ST N-2-9-16	43-013-50117	ML-21839	1.4
29	Wilcken 16-23-4-2	43-013-50304	Fee	1.0
30	Hancock 12-7-4-1W	43-013-50422	Fee	1.3
31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

December 14, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0525

Ms. Assiya Bekniyazova  
Newfield Production Company  
4 Waterway Square PL, STE 100  
The Woodlands, TX 77380

43 013 50910  
GIMBU N-2-9-15  
2 9S 15E

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Bekniyazova:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



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Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

**All Submittals should be sent via ePermit**

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/DD/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
→ 10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
11	GMBU M-2-9-15	43-013-50909	ML-43538	2.1
12	Moon 1-29-4-2	43-013-50006	Fee	2.0
13	Moon 1-20-4-2	43-013-50008	Fee	2.0
14	State 1-36-8-15	43-013-34234	ML-21835	2.5
15	Ashley ST 6-2-9-15	43-013-32584	ML-43538	1.10
16	Allen Trust 2-24	43-013-31944	Fee	1.9
17	Lamb 4-34-4-1E	43-047-40272	Fee	1.5
18	Wells Draw 4-32-8-16	43-013-32222	ML-21836	1.8
19	Greater Mon Butte T-36-8-16	43-013-50211	ML-22061	1.8
20	Williams #14-8-4-2	43-013-50617	Fee	1.8
21	Hancock 11-21-4-1	43-013-33242	Fee	1.5
22	Malnar 9-19-4-1	43-013-33913	Fee	1.2
23	Hancock 16-20-4-1	43-013-33914	Fee	1.0
24	State 12-36-8-15	43-013-34224	ML-21835	2.1
25	State 4-36-8-15	43-013-34231	ML-21835	1.4
26	Roberts 4-19-4-1	43-013-50072	Fee	1.1
27	Mon Butte East K-36-8-16	43-013-50112	ML-22061	1.1
28	S Mon Butte ST N-2-9-16	43-013-50117	ML-21839	1.4
29	Wilcken 16-23-4-2	43-013-50304	Fee	1.0
30	Hancock 12-7-4-1W	43-013-50422	Fee	1.3
31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1