

**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 R-8-9-16				
<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> UTU-64379			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> 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"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		710 FSL 1908 FEL		SWSE	8	9.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1109 FSL 2456 FEL		SWSE	8	9.0 S	16.0 E	S		
At Total Depth		1512 FSL 2314 FWL		NESW	8	9.0 S	16.0 E	S		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 326			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 20				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 924			<b>26. PROPOSED DEPTH</b> MD: 6237    TVD: 6065				
<b>27. ELEVATION - GROUND LEVEL</b> 5925			<b>28. BOND NUMBER</b> WYB000493			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
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 - 6237	15.5	J-55 LT&C	8.3	Premium Lite High Strength	293	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<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> 07/16/2012			<b>EMAIL</b> mcrozier@newfield.com			
<b>API NUMBER ASSIGNED</b> 43013515650000				<b>APPROVAL</b>   Permit Manager						

NEWFIELD PRODUCTION COMPANY  
 GMBU R-8-9-16  
 AT SURFACE: SW/SE SECTION 8, T9S R16E  
 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' – 1635'
Green River	1635'
Wasatch	6305'
<b>Proposed TD</b>	<b>6237'</b>

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

Green River Formation (Oil)	1635' – 6305'
-----------------------------	---------------

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 R-8-9-16**

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'	6,237'	15.5	J-55	LTC	4,810 2.42	4,040 2.04	217,000 2.24

## Assumptions:

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

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

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

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

**b. Cementing Design: GMBU R-8-9-16**

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	4,237'	Prem Lite II w/ 10% gel + 3% KCl	293	30%	11.0	3.26
			954			
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:**

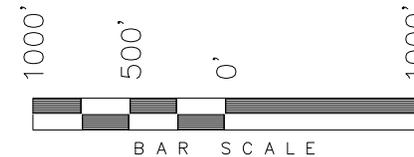
It is anticipated that the drilling operations will commence the fourth quarter of 2012, and take approximately seven (7) days from spud to rig release.

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

## NEWFIELD EXPLORATION COMPANY

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

TARGET BOTTOM HOLE, R-8-9-16, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

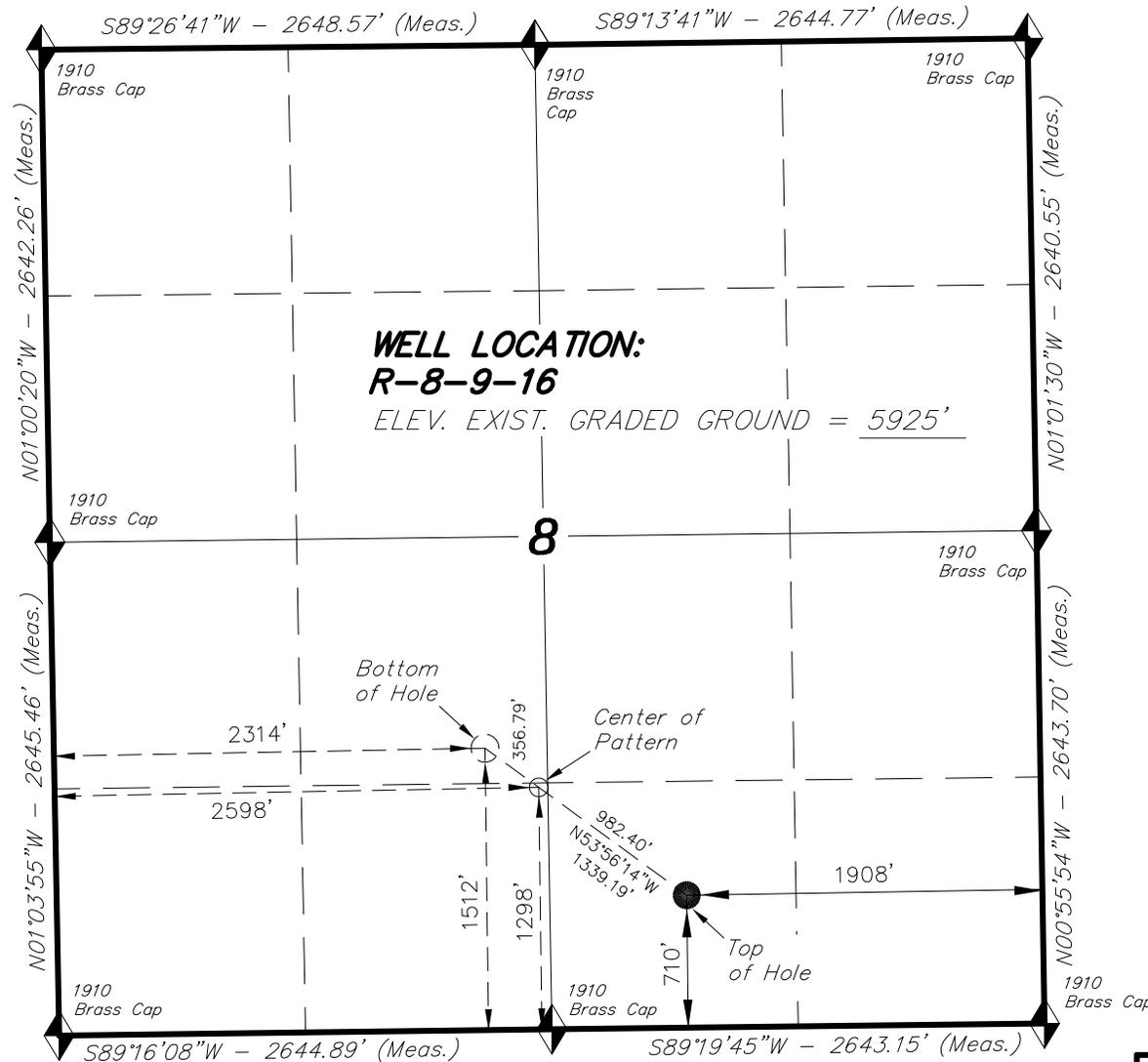
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
 04-23-12  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 02-22-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 04-23-12	DRAWN BY: M.W.	V2
REVISED:	SCALE: 1" = 1000'	



**WELL LOCATION:  
R-8-9-16**

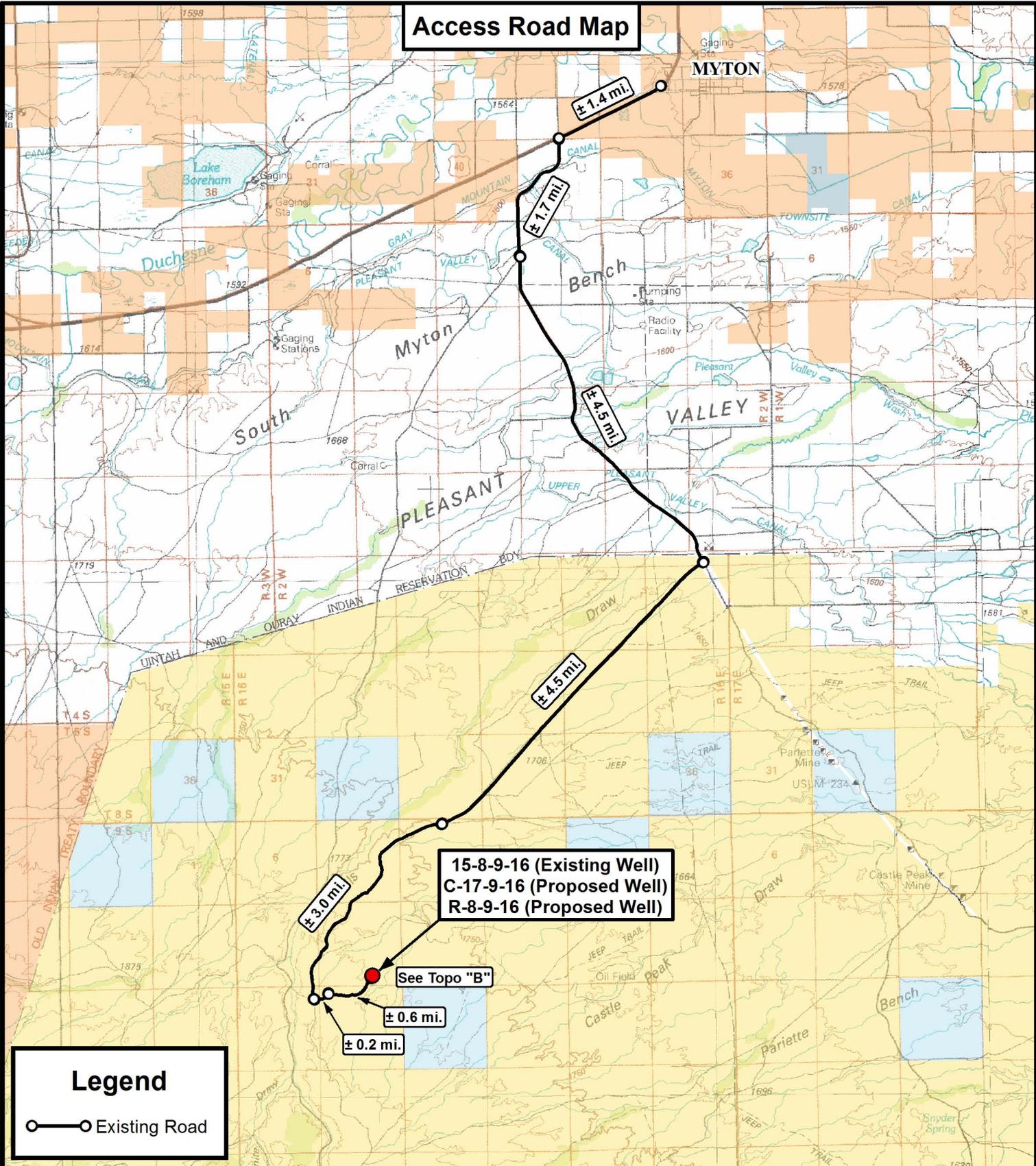
ELEV. EXIST. GRADED GROUND = 5925'

◆ = 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'

**R-8-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 02' 24.34"  
 LONGITUDE = 110° 08' 26.05"

**Access Road Map**



**15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)**

See Topo "B"

**Legend**

○—○ Existing Road

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

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

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-23-2012		<b>V2</b>
SCALE:	1:100,000		



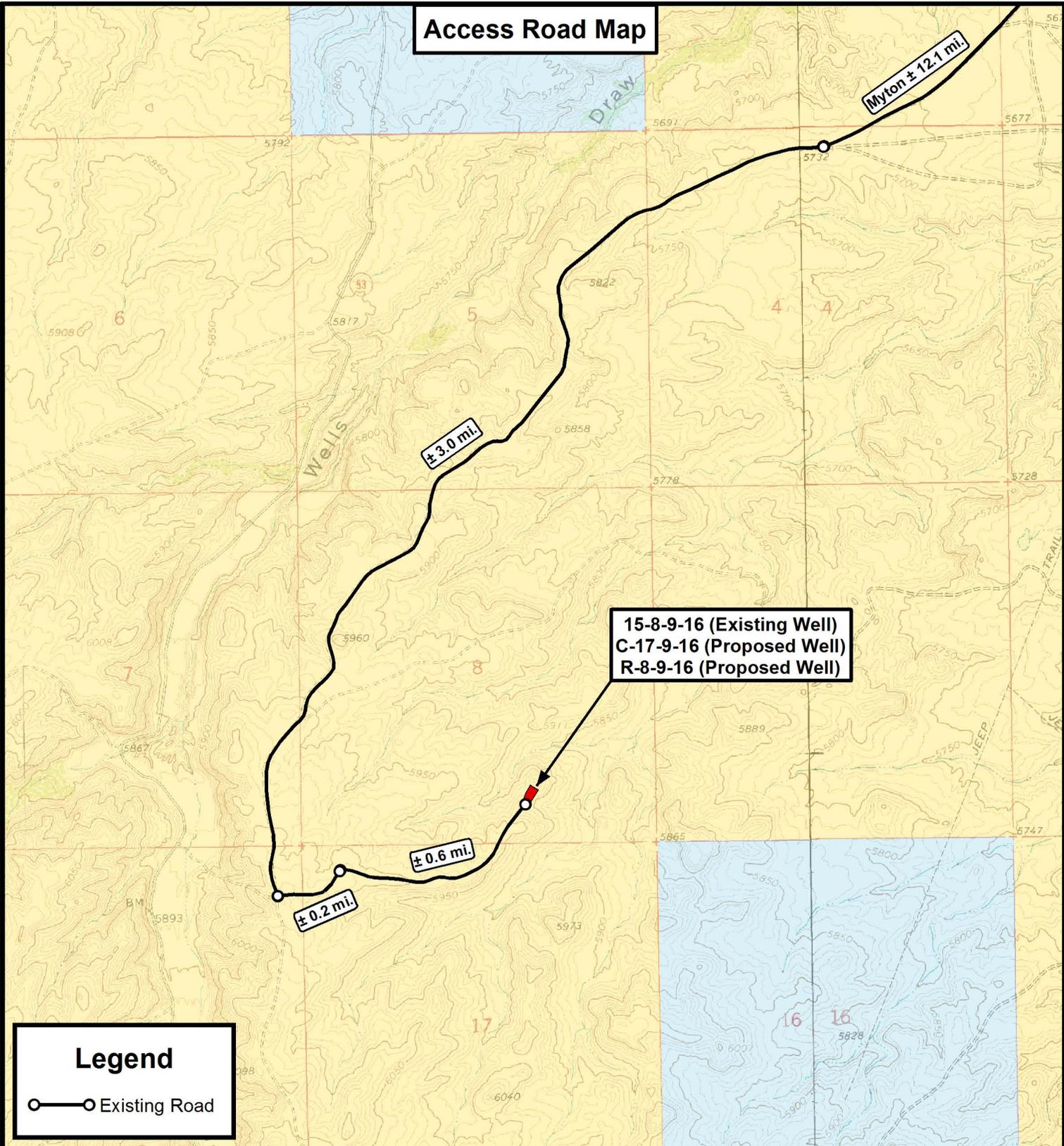
**NEWFIELD EXPLORATION COMPANY**

15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)  
SEC. 8, T9S, R16E, S.L.B.&M. Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **A**

**Access Road Map**



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

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 P: (435) 781-2501  
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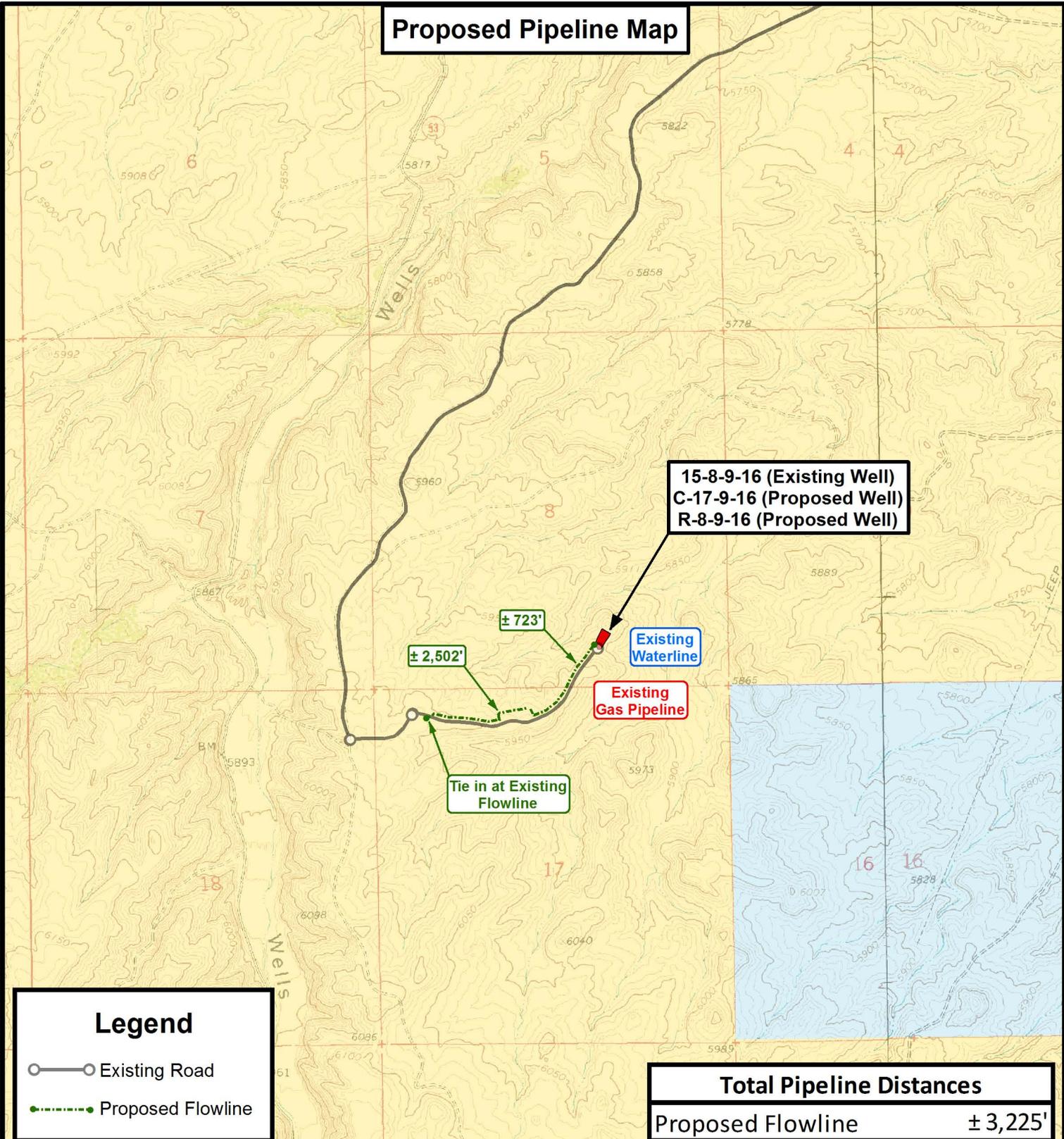
**NEWFIELD EXPLORATION COMPANY**  
 15-8-9-16 (Existing Well)  
 C-17-9-16 (Proposed Well)  
 R-8-9-16 (Proposed Well)  
 SEC. 8, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	04-23-12 A.P.C.	VERSION:
DATE:	03-14-2012			<b>V2</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



**Legend**

- Existing Road
- Proposed Flowline

**Total Pipeline Distances**

Proposed Flowline ± 3,225'

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**NEWFIELD EXPLORATION COMPANY**

15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)  
SEC. 8, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C. REVISED: 04-23-12 A.P.C. VERSION:

DATE: 03-14-2012

SCALE: 1" = 2,000'

**V2**

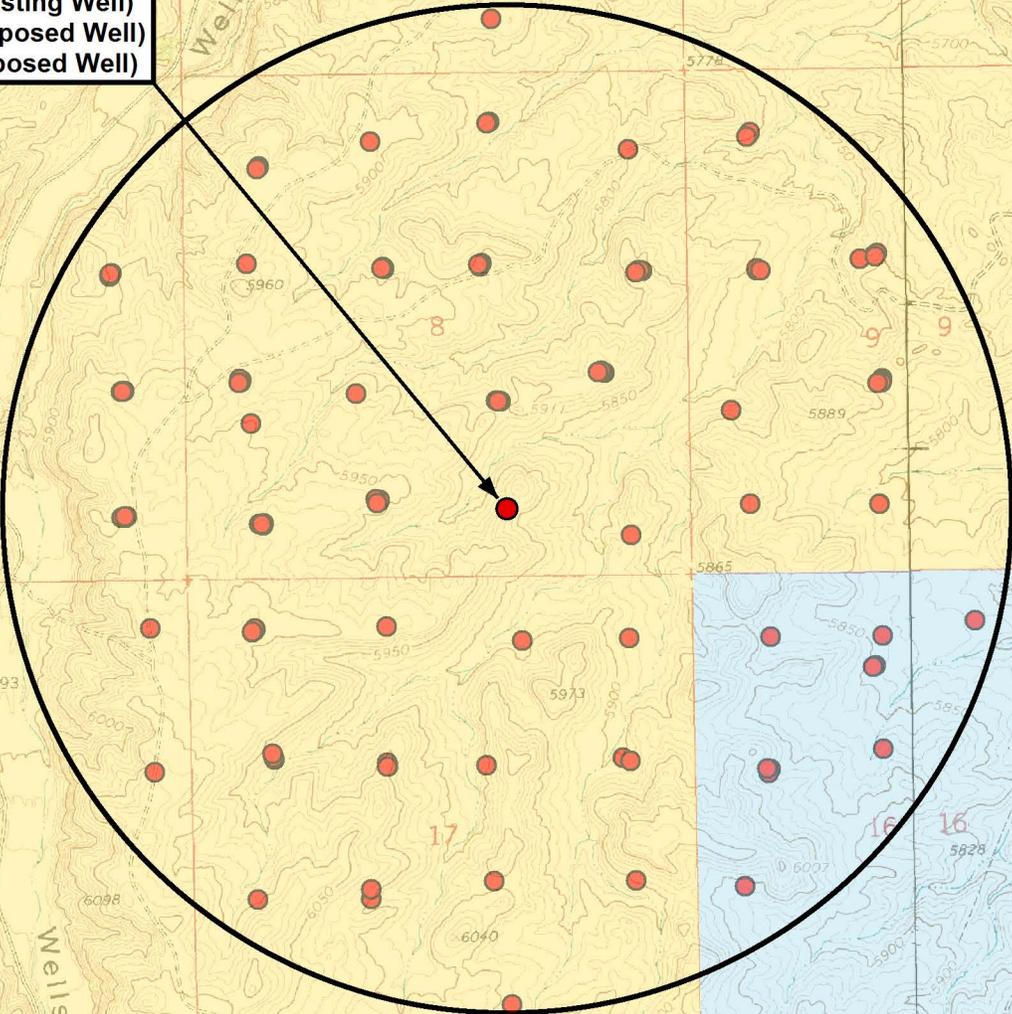
**TOPOGRAPHIC MAP**

SHEET

**C**

**Exhibit "B" Map**

**15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)**



**Legend**

-  1 Mile Radius
-  Proposed Location

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**NEWFIELD EXPLORATION COMPANY**

**15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)  
SEC. 8, T9S, R16E, S.L.B.&M. Duchesne County, UT.**

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-23-2012		<b>V2</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**



# **NEWFIELD EXPLORATION**

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

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**20 April, 2012**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well R-8-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Site:</b>	SECTION 8 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	R-8-9-16	<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 8 T9S, R16E, SEC 8 T9S, R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,188,200.00 ft	<b>Latitude:</b>	40° 2' 44.068 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,019,900.00 ft	<b>Longitude:</b>	110° 8' 39.874 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.87 °

<b>Well</b>	R-8-9-16, SHL LAT: 40 02 24.34 LONG: -110 08 26.05					
<b>Well Position</b>	<b>+N/-S</b>	-1,996.1 ft	<b>Northing:</b>	7,186,220.44 ft	<b>Latitude:</b>	40° 2' 24.340 N
	<b>+E/-W</b>	1,075.0 ft	<b>Easting:</b>	2,021,005.24 ft	<b>Longitude:</b>	110° 8' 26.050 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,937.0 ft	<b>Ground Level:</b>	5,925.0 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	4/20/2012	11.24	65.75	52,170

<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>
	4,744.0	0.0	0.0	306.06

<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	
1,607.6	15.11	306.06	1,596.0	77.8	-106.8	1.50	1.50	0.00	306.06	
4,868.5	15.11	306.06	4,744.0	578.3	-794.2	0.00	0.00	0.00	0.00	R-8-9-16 TGT
6,236.8	15.11	306.06	6,065.0	788.3	-1,082.6	0.00	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well R-8-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Site:</b>	SECTION 8 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	R-8-9-16	<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	306.06	700.0	0.8	-1.1	1.3	1.50	1.50	0.00
800.0	3.00	306.06	799.9	3.1	-4.2	5.2	1.50	1.50	0.00
900.0	4.50	306.06	899.7	6.9	-9.5	11.8	1.50	1.50	0.00
1,000.0	6.00	306.06	999.3	12.3	-16.9	20.9	1.50	1.50	0.00
1,100.0	7.50	306.06	1,098.6	19.2	-26.4	32.7	1.50	1.50	0.00
1,200.0	9.00	306.06	1,197.5	27.7	-38.0	47.0	1.50	1.50	0.00
1,300.0	10.50	306.06	1,296.1	37.6	-51.7	64.0	1.50	1.50	0.00
1,400.0	12.00	306.06	1,394.2	49.1	-67.5	83.5	1.50	1.50	0.00
1,500.0	13.50	306.06	1,491.7	62.1	-85.3	105.5	1.50	1.50	0.00
1,607.6	15.11	306.06	1,596.0	77.8	-106.8	132.1	1.50	1.50	0.00
1,700.0	15.11	306.06	1,685.2	92.0	-126.3	156.2	0.00	0.00	0.00
1,800.0	15.11	306.06	1,781.7	107.3	-147.4	182.3	0.00	0.00	0.00
1,900.0	15.11	306.06	1,878.2	122.7	-168.4	208.4	0.00	0.00	0.00
2,000.0	15.11	306.06	1,974.8	138.0	-189.5	234.4	0.00	0.00	0.00
2,100.0	15.11	306.06	2,071.3	153.4	-210.6	260.5	0.00	0.00	0.00
2,200.0	15.11	306.06	2,167.9	168.7	-231.7	286.6	0.00	0.00	0.00
2,300.0	15.11	306.06	2,264.4	184.0	-252.8	312.7	0.00	0.00	0.00
2,400.0	15.11	306.06	2,360.9	199.4	-273.8	338.7	0.00	0.00	0.00
2,500.0	15.11	306.06	2,457.5	214.7	-294.9	364.8	0.00	0.00	0.00
2,600.0	15.11	306.06	2,554.0	230.1	-316.0	390.9	0.00	0.00	0.00
2,700.0	15.11	306.06	2,650.6	245.4	-337.1	417.0	0.00	0.00	0.00
2,800.0	15.11	306.06	2,747.1	260.8	-358.2	443.0	0.00	0.00	0.00
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3,000.0	15.11	306.06	2,940.2	291.5	-400.3	495.2	0.00	0.00	0.00
3,100.0	15.11	306.06	3,036.7	306.8	-421.4	521.3	0.00	0.00	0.00
3,200.0	15.11	306.06	3,133.3	322.2	-442.5	547.3	0.00	0.00	0.00
3,300.0	15.11	306.06	3,229.8	337.5	-463.6	573.4	0.00	0.00	0.00
3,400.0	15.11	306.06	3,326.3	352.9	-484.6	599.5	0.00	0.00	0.00
3,500.0	15.11	306.06	3,422.9	368.2	-505.7	625.6	0.00	0.00	0.00
3,600.0	15.11	306.06	3,519.4	383.6	-526.8	651.6	0.00	0.00	0.00
3,700.0	15.11	306.06	3,616.0	398.9	-547.9	677.7	0.00	0.00	0.00
3,800.0	15.11	306.06	3,712.5	414.3	-569.0	703.8	0.00	0.00	0.00
3,900.0	15.11	306.06	3,809.1	429.6	-590.0	729.9	0.00	0.00	0.00
4,000.0	15.11	306.06	3,905.6	445.0	-611.1	755.9	0.00	0.00	0.00
4,100.0	15.11	306.06	4,002.1	460.3	-632.2	782.0	0.00	0.00	0.00
4,200.0	15.11	306.06	4,098.7	475.7	-653.3	808.1	0.00	0.00	0.00
4,300.0	15.11	306.06	4,195.2	491.0	-674.3	834.2	0.00	0.00	0.00
4,400.0	15.11	306.06	4,291.8	506.4	-695.4	860.3	0.00	0.00	0.00
4,500.0	15.11	306.06	4,388.3	521.7	-716.5	886.3	0.00	0.00	0.00
4,600.0	15.11	306.06	4,484.8	537.1	-737.6	912.4	0.00	0.00	0.00
4,700.0	15.11	306.06	4,581.4	552.4	-758.7	938.5	0.00	0.00	0.00
4,800.0	15.11	306.06	4,677.9	567.8	-779.7	964.6	0.00	0.00	0.00
4,868.5	15.11	306.06	4,744.0	578.3	-794.2	982.4	0.00	0.00	0.00
4,900.0	15.11	306.06	4,774.5	583.1	-800.8	990.6	0.00	0.00	0.00
5,000.0	15.11	306.06	4,871.0	598.5	-821.9	1,016.7	0.00	0.00	0.00
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5,200.0	15.11	306.06	5,064.1	629.2	-864.1	1,068.9	0.00	0.00	0.00



## Payzone Directional

## Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well R-8-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	R-8-9-16 @ 5937.0ft (Original Well Elev)
<b>Site:</b>	SECTION 8 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	R-8-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,300.0	15.11	306.06	5,160.6	644.5	-885.1	1,094.9	0.00	0.00	0.00	
5,400.0	15.11	306.06	5,257.2	659.9	-906.2	1,121.0	0.00	0.00	0.00	
5,500.0	15.11	306.06	5,353.7	675.2	-927.3	1,147.1	0.00	0.00	0.00	
5,600.0	15.11	306.06	5,450.2	690.6	-948.4	1,173.2	0.00	0.00	0.00	
5,700.0	15.11	306.06	5,546.8	705.9	-969.5	1,199.2	0.00	0.00	0.00	
5,800.0	15.11	306.06	5,643.3	721.3	-990.5	1,225.3	0.00	0.00	0.00	
5,900.0	15.11	306.06	5,739.9	736.6	-1,011.6	1,251.4	0.00	0.00	0.00	
6,000.0	15.11	306.06	5,836.4	752.0	-1,032.7	1,277.5	0.00	0.00	0.00	
6,100.0	15.11	306.06	5,932.9	767.3	-1,053.8	1,303.5	0.00	0.00	0.00	
6,200.0	15.11	306.06	6,029.5	782.6	-1,074.9	1,329.6	0.00	0.00	0.00	
6,236.8	15.11	306.06	6,065.0	788.3	-1,082.6	1,339.2	0.00	0.00	0.00	



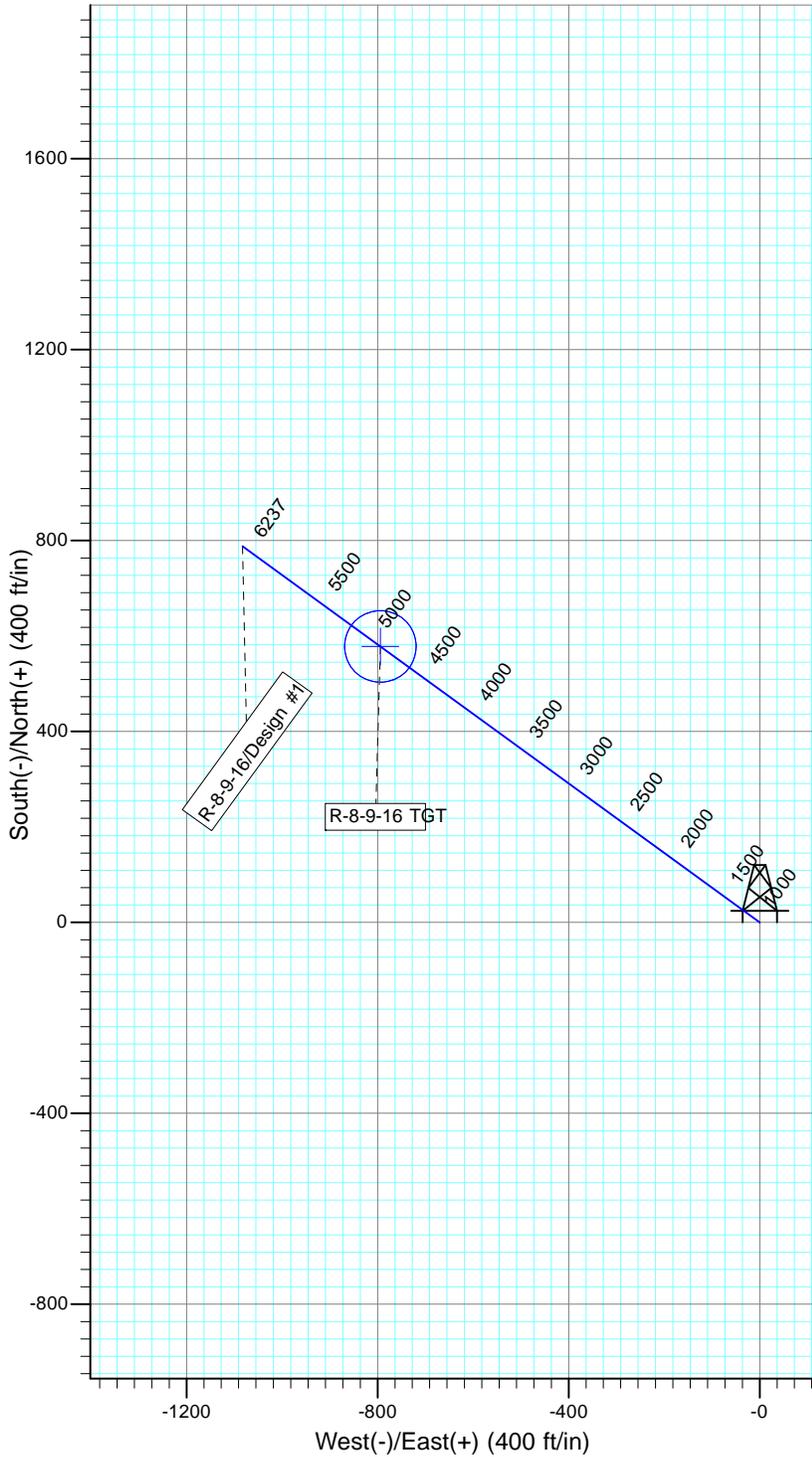
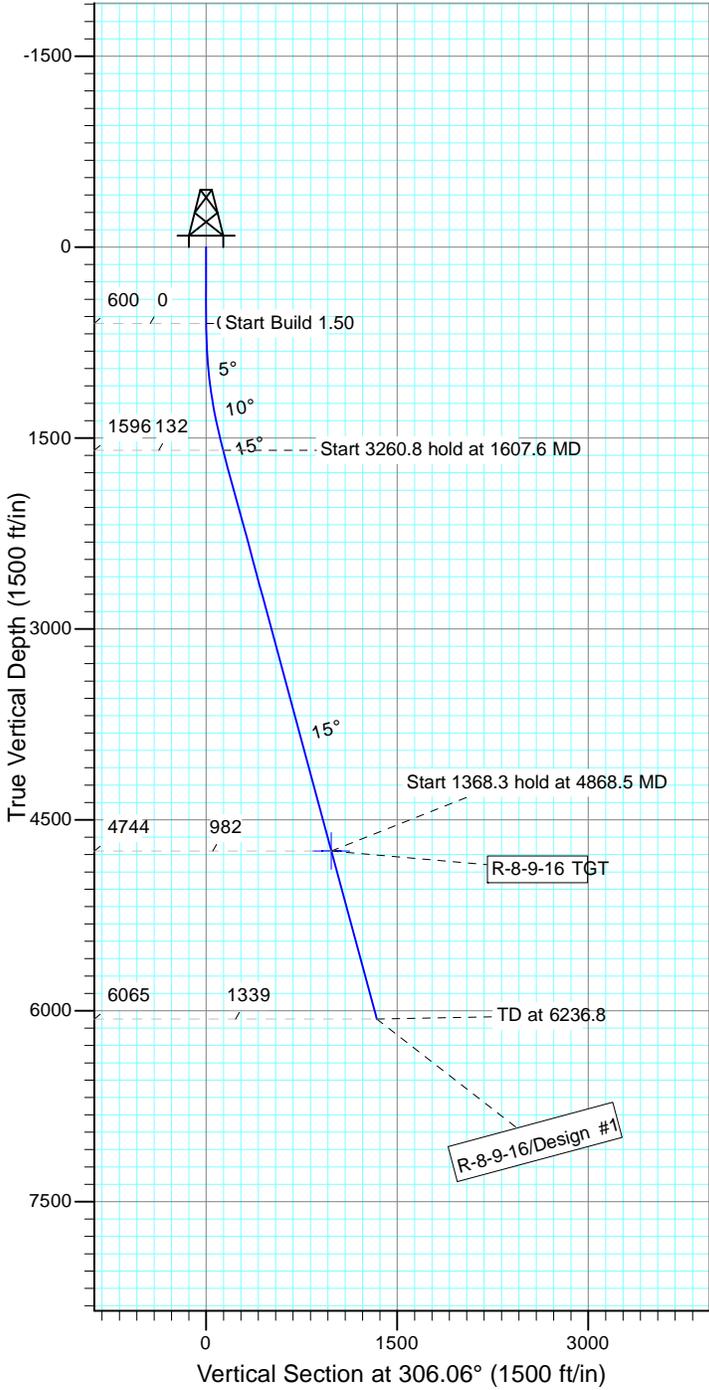
Project: USGS Myton SW (UT)  
 Site: SECTION 8 T9S, R16E  
 Well: R-8-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.23°

Magnetic Field  
 Strength: 52169.6snT  
 Dip Angle: 65.75°  
 Date: 4/20/2012  
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
R-8-9-16 TGT	4744.0	578.3	-794.2	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	1607.6	15.11	306.06	1596.0	77.8	-106.8	1.50	306.06	132.1	
4	4868.5	15.11	306.06	4744.0	578.3	-794.2	0.00	0.00	982.4	R-8-9-16 TGT
5	6236.8	15.11	306.06	6065.0	788.3	-1082.6	0.00	0.00	1339.2	



**NEWFIELD PRODUCTION COMPANY  
GMBU R-8-9-16  
AT SURFACE: SW/SE SECTION 8, T9S R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU R-8-9-16 located in the SW 1/4 SE 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 0.8 miles  $\pm$  to it's junction with the beginning of the access road to the existing 15-8-9-16 well location.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 15-8-9-16 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** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-12-MQ-0367b 5/29/12, prepared by

Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

**Surface Flow Line**

Newfield requests 3,225' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures as outlined in the Greater Monument Butte Green River Development SOP.

**Water Disposal**

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

**Additional Surface Stipulations**

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

**Details of the On-Site Inspection**

The proposed GMBU R-8-9-16 was on-sited on 5/18/12. The following were present; Corie Miller (Newfield Production), Janna Simonsen (Bureau of Land Management), and Dave Gordon (Bureau of Land Management).

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU R-8-9-16, 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 R-8-9-16, 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: Corie Miller  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

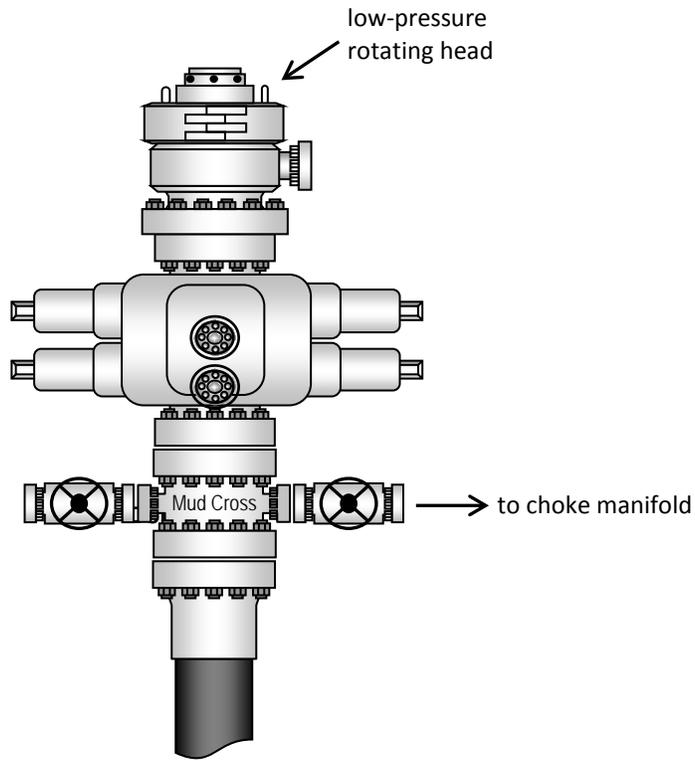
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #R-8-9-16, Section 8, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

7/12/12  
Date

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

### Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

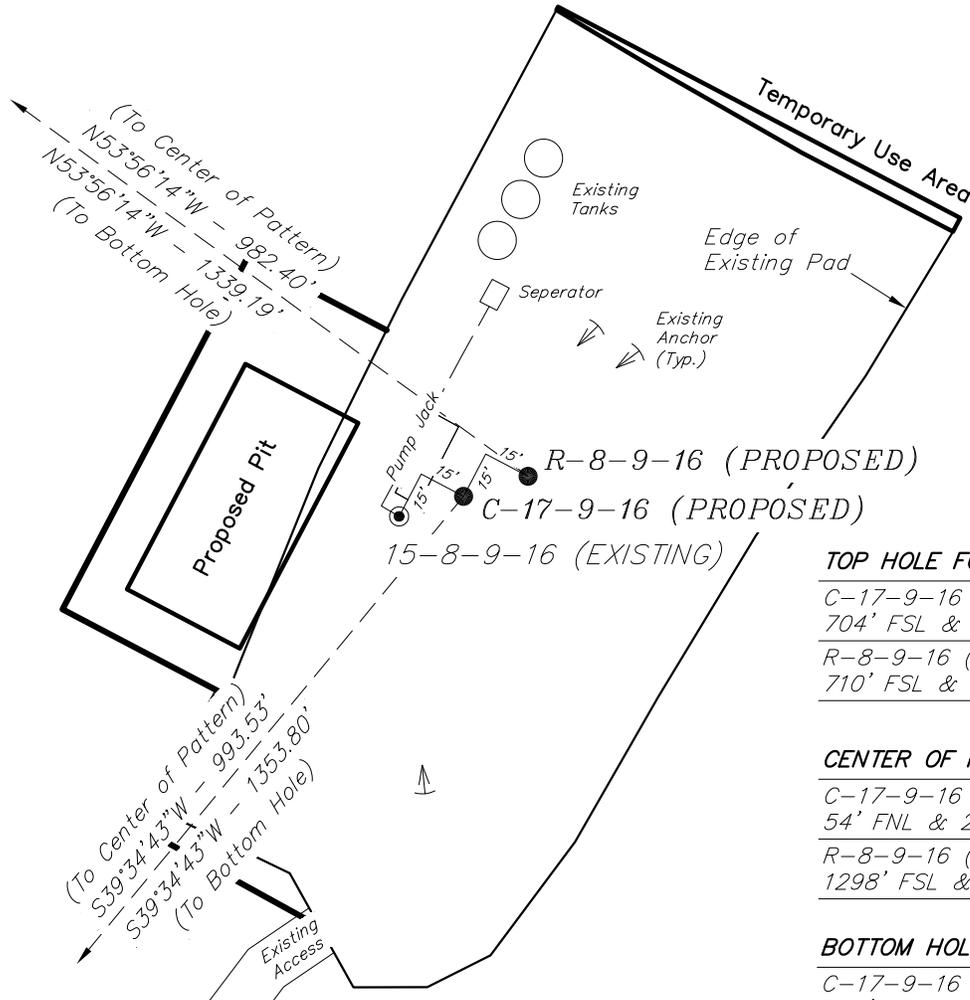
## WELL PAD INTERFERENCE PLAT

15-8-9-16 (Existing Well)

C-17-9-16 (Proposed Well)

R-8-9-16 (Proposed Well)

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



**TOP HOLE FOOTAGES**

- C-17-9-16 (PROPOSED)  
704' FSL & 1929' FEL
- R-8-9-16 (PROPOSED)  
710' FSL & 1908' FEL

**CENTER OF PATTERN FOOTAGES**

- C-17-9-16 (PROPOSED)  
54' FNL & 2574' FEL
- R-8-9-16 (PROPOSED)  
1298' FSL & 2598' FWL

**BOTTOM HOLE FOOTAGES**

- C-17-9-16 (PROPOSED)  
329' FNL & 2480' FWL
- R-8-9-16 (PROPOSED)  
1512' FSL & 2314' FWL

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

WELL	NORTH	EAST
C-17-9-16	-766'	-633'
R-8-9-16	578'	-794'

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

WELL	NORTH	EAST
C-17-9-16	-1,043'	-863'
R-8-9-16	788'	-1,083'

**Note:**

Bearings are based on GPS Observations.

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

WELL	LATITUDE	LONGITUDE
15-8-9-16	40° 02' 24.22"	110° 08' 26.57"
C-17-9-16	40° 02' 24.28"	110° 08' 26.31"
R-8-9-16	40° 02' 24.34"	110° 08' 26.05"

SURVEYED BY: W.H.	DATE SURVEYED: 02-22-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 04-23-12	V2
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

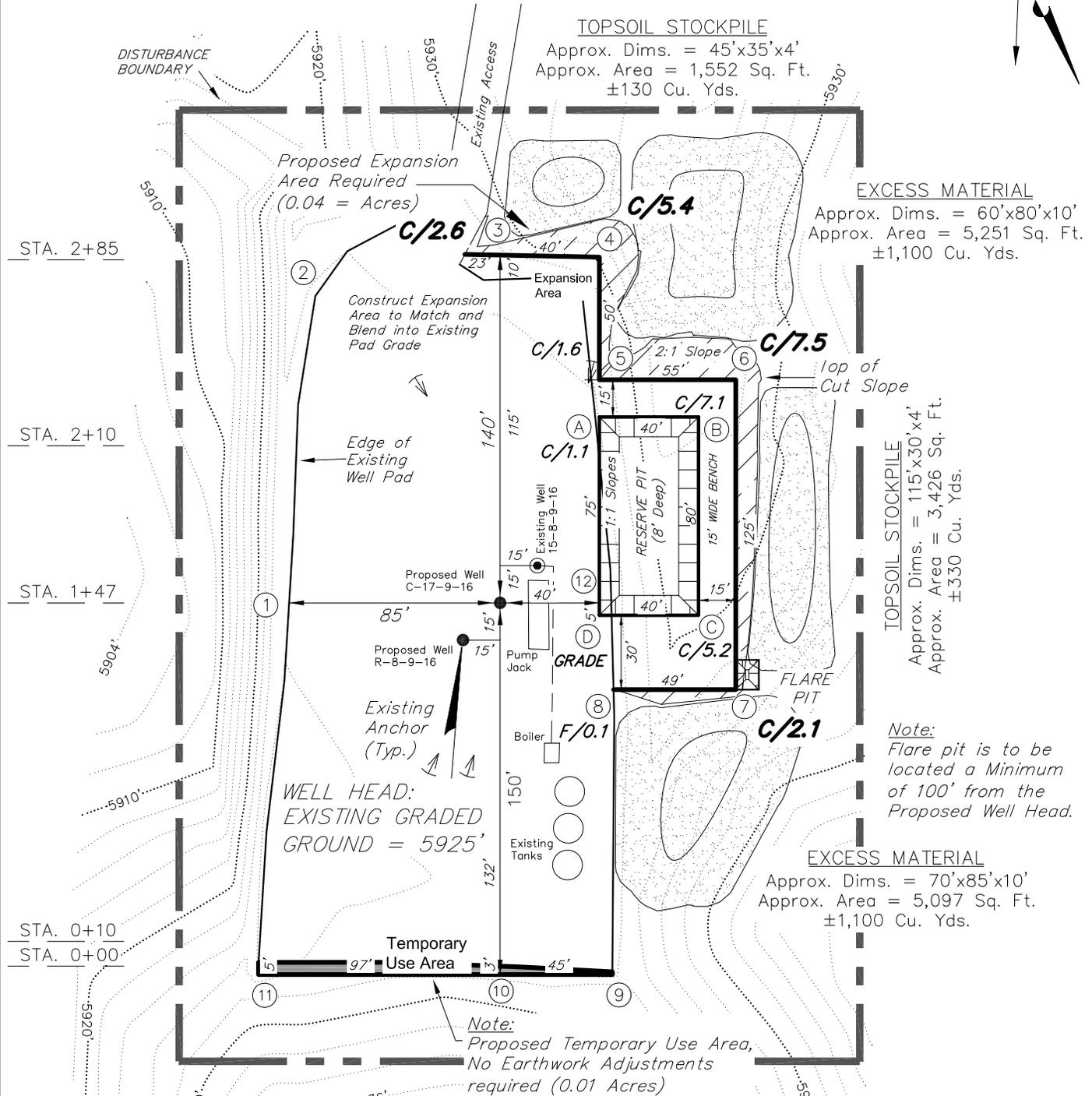
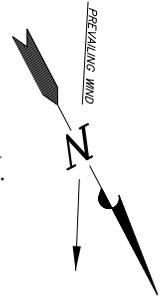
## LOCATION LAYOUT

15-8-9-16 (Existing Well)

C-17-9-16 (Proposed Well)

R-8-9-16 (Proposed Well)

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



NOTE:  
The topsoil & excess material areas are calculated as being mounds containing 2,660 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: W.H.	DATE SURVEYED: 02-22-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 03-14-12	V2
SCALE: 1" = 60'	REVISED: M.W. - 04-23-12	

**Tri State** (435) 781-2501  
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# NEWFIELD EXPLORATION COMPANY

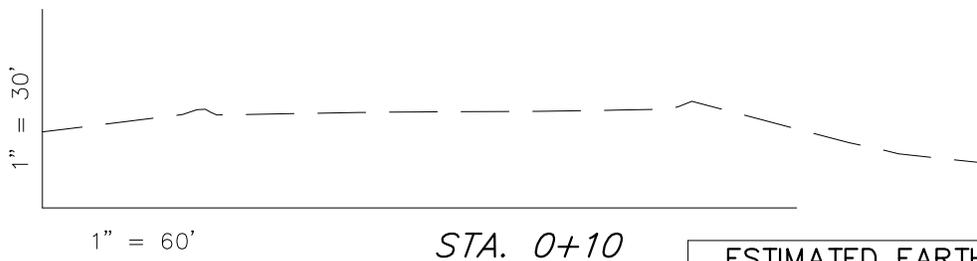
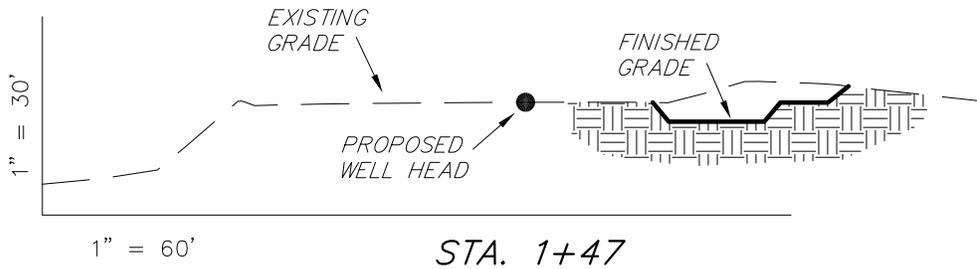
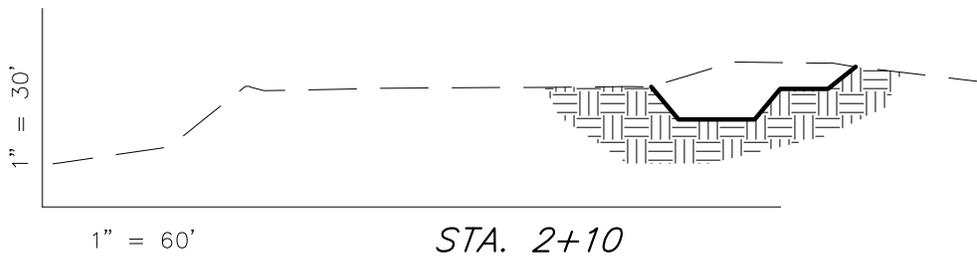
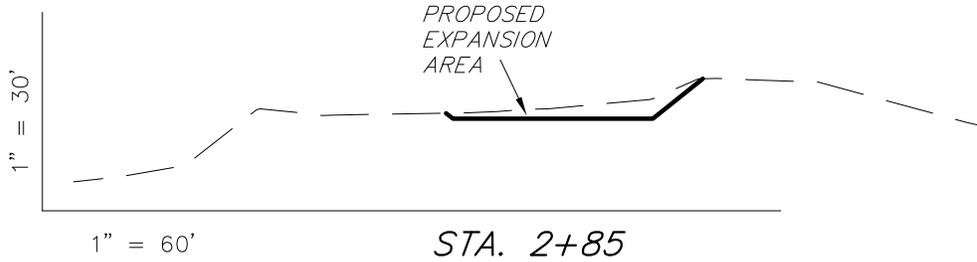
## CROSS SECTIONS

**15-8-9-16 (Existing Well)**

**C-17-9-16 (Proposed Well)**

**R-8-9-16 (Proposed Well)**

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



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,310	0	Topsoil is not included in Pad Cut	1,310
PIT	690	0		690
<b>TOTALS</b>	<b>2,000</b>	<b>0</b>	<b>420</b>	<b>2,000</b>

SURVEYED BY: W.H.	DATE SURVEYED: 02-22-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 03-14-12	V2
SCALE: 1" = 60'	REVISED: M.W. - 04-23-12	

*Tri State*

*Land Surveying, Inc.*

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

RECEIVED: July 16, 2012

# NEWFIELD EXPLORATION COMPANY

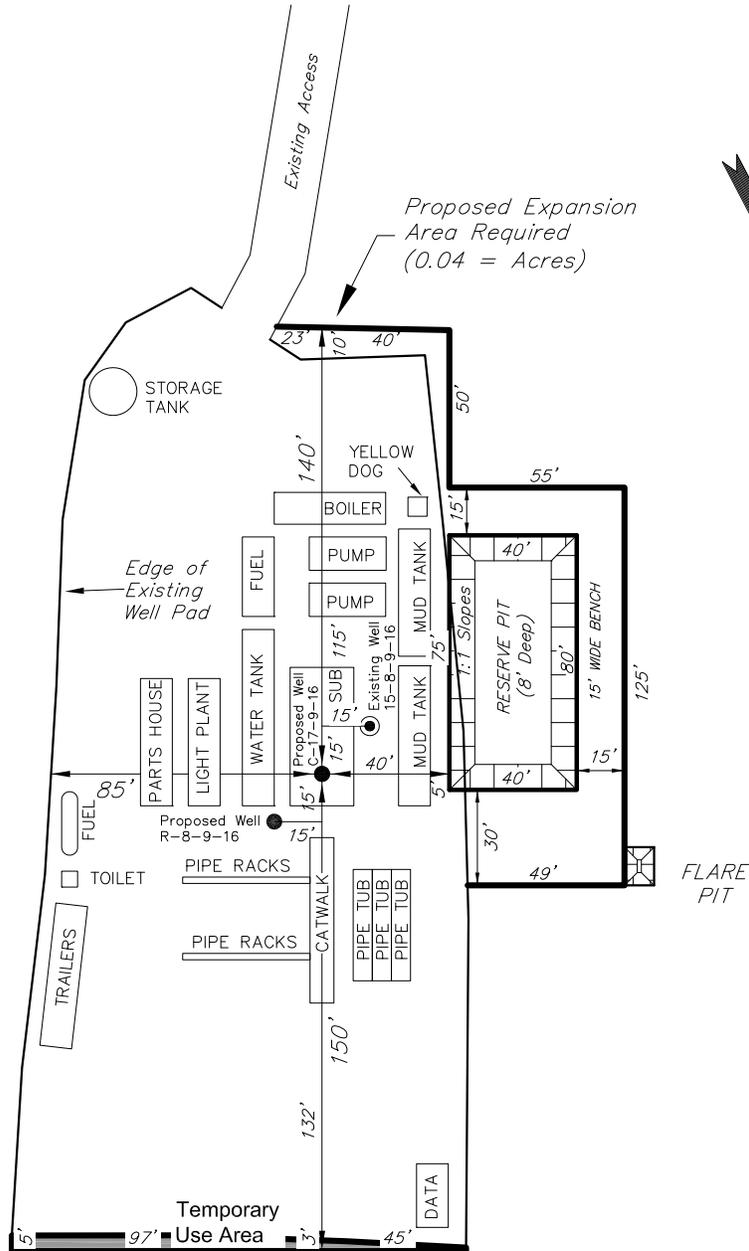
## TYPICAL RIG LAYOUT

15-8-9-16 (Existing Well)

C-17-9-16 (Proposed Well)

R-8-9-16 (Proposed Well)

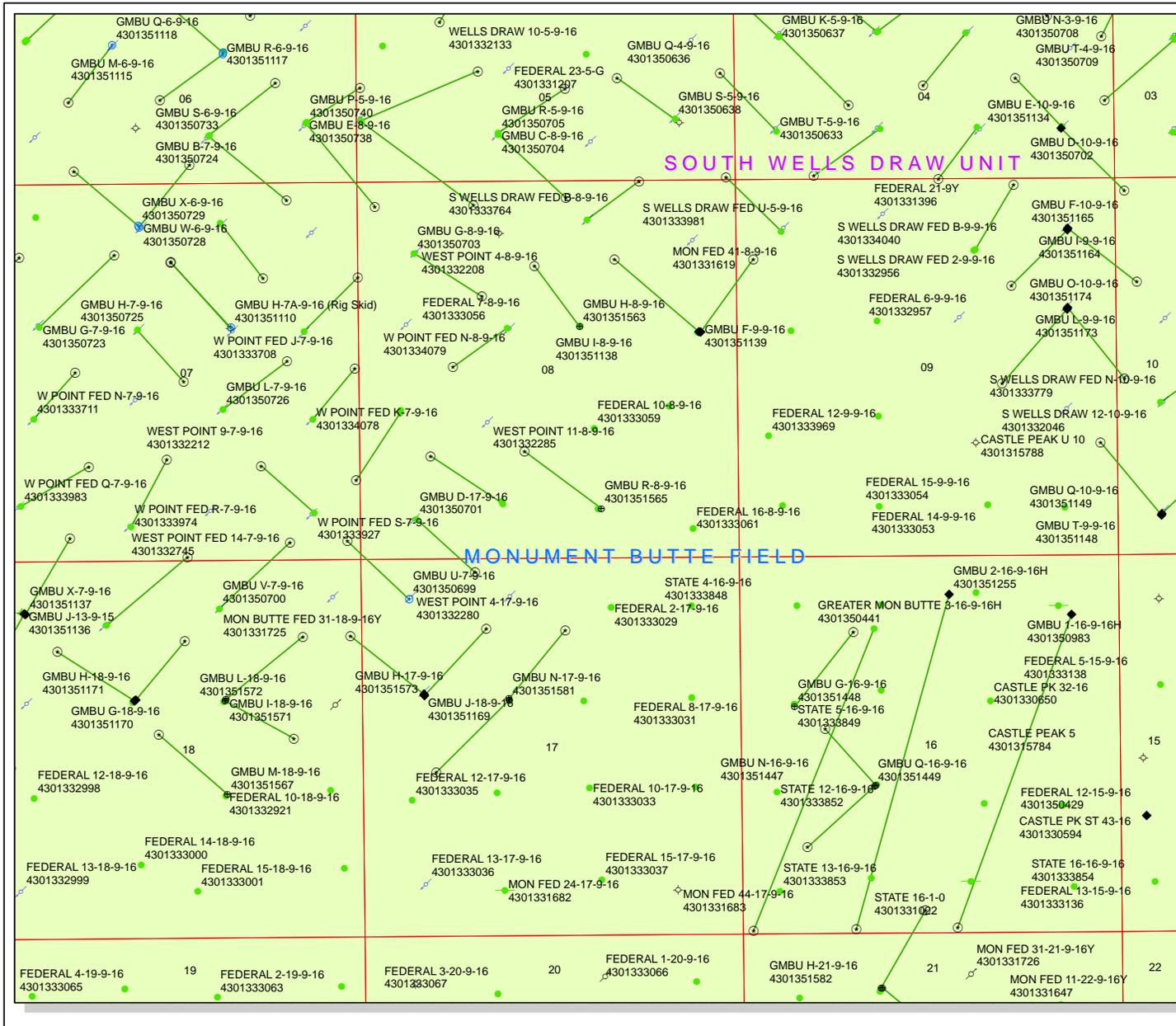
Pad Location: SWSE Section 8, T9S, R16E, S.L.B.&M.



*Note:*  
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: W.H.	DATE SURVEYED: 02-22-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 03-14-12	V2
SCALE: 1" = 60'	REVISED: M.W. - 04-23-12	

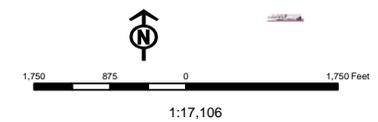
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**API Number: 4301351565**  
**Well Name: GMBU R-8-9-16**  
**Township T09.0S Range R16.0E Section 08**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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





VIA ELECTRONIC DELIVERY

July 23, 2012

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

RE: Directional Drilling  
**GMBU R-8-9-16**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 8: SWSE (UTU-64379)  
710' FSL 1908' FEL

At Target: T9S-R16E Section 8: NESW (UTU-74390)  
1512' FSL 2314' 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 7/19/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-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 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in cursive script that reads "Leslie Burget".

Leslie Burget  
Land Associate

Form 3160-3  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU64379
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031	8. Lease Name and Well No. GMBU R-8-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSE 710FSL 1908FEL At proposed prod. zone NESW 1512FSL 2314FWL		9. API Well No.
14. Distance in miles and direction from nearest town or post office* 15.9	15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 326'	10. Field and Pool, or Exploratory MONUMENT BUTTE
16. No. of Acres in Lease 1626.30	17. Spacing Unit dedicated to this well 20.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 T9S R16E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 924'	19. Proposed Depth 6237 MD 6065 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5925 GL	22. Approximate date work will start 10/31/2012	13. State UT
20. BLM/BIA Bond No. on file WYB000493		
23. Estimated duration 7 DAYS		

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 07/19/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

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

**Electronic Submission #143430 verified by the BLM Well Information System  
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal**

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

API Well Number: 43013515650000

**Additional Operator Remarks:**

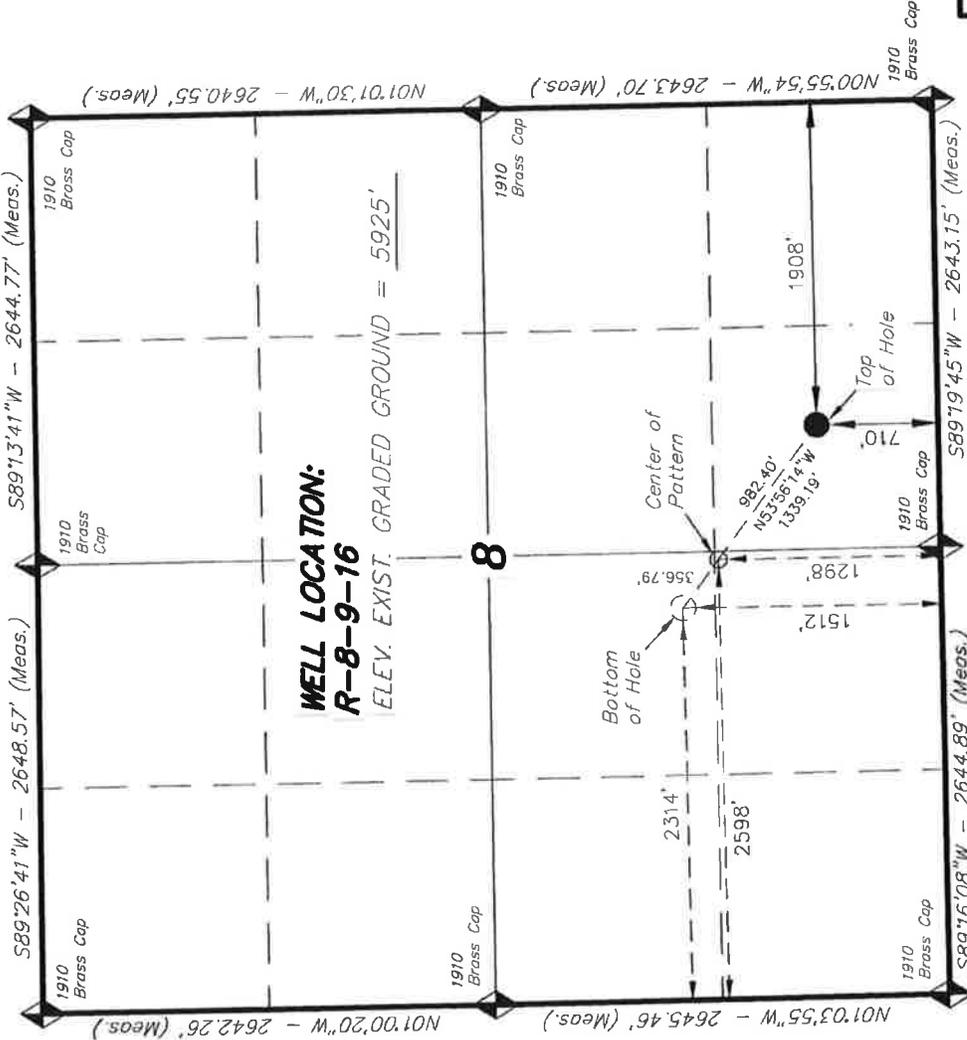
SURFACE LEASE: UTU-64379  
BOTTOM HOLE LEASE: UTU-74390

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

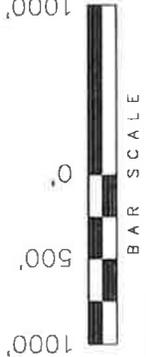
**NEWFIELD EXPLORATION COMPANY**

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

TARGET BOTTOM HOLE, R-8-9-16, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:  
R-8-9-16**  
ELEV. EXIST. GRADED GROUND = 5925'



- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings are based on Global Positioning Satellite observations.

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

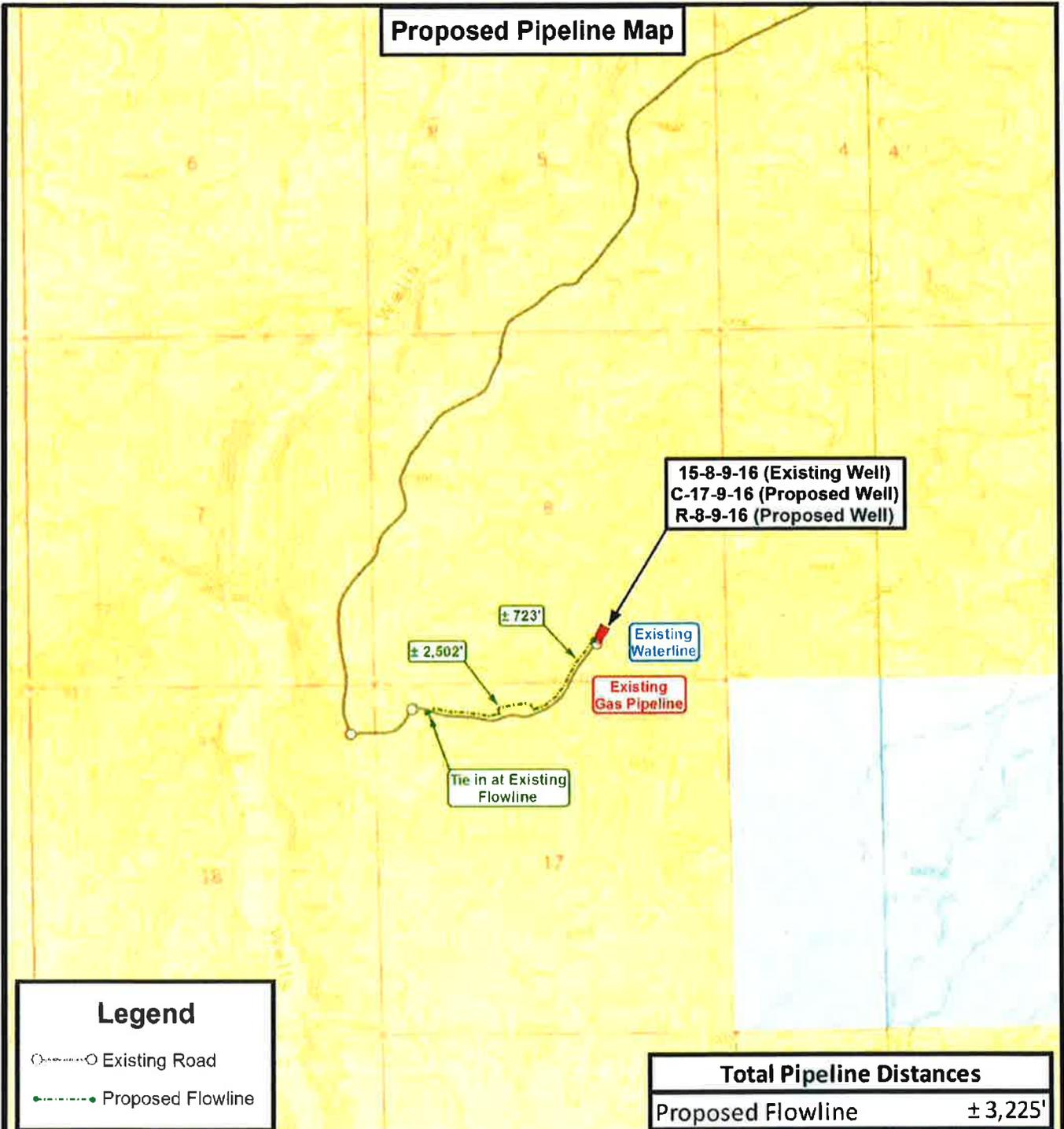
04-23-12  
STACY W.  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH

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

DATE SURVEYED: 02-22-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 04-23-12	DRAWN BY: M.W.	V2
REVISED:	SCALE: 1" = 1000'	

**R-8-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 24.34"  
LONGITUDE = 110° 08' 26.05"

◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV.; Elevations are based on an N.C.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**

15-8-9-16 (Existing Well)  
C-17-9-16 (Proposed Well)  
R-8-9-16 (Proposed Well)  
SEC. 8, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	04-23-12 A.P.C.	VERSION:
DATE:	03-14-2012			V2
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**C**

# 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)**

July 31, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51563	GMBU H-8-9-16	Sec 08 T09S R16E 2023 FNL 2183 FEL BHL Sec 08 T09S R16E 1169 FNL 2473 FWL
43-013-51564	GMBU H-20-9-16	Sec 20 T09S R16E 2110 FNL 1934 FEL BHL Sec 20 T09S R16E 1152 FNL 2457 FWL
43-013-51565	GMBU R-8-9-16	Sec 08 T09S R16E 0710 FSL 1908 FEL BHL Sec 08 T09S R16E 1512 FSL 2314 FWL
43-013-51566	GMBU P-14-9-15	Sec 15 T09S R15E 0763 FSL 0423 FEL BHL Sec 14 T09S R15E 1561 FSL 0172 FWL
43-013-51567	GMBU M-18-9-16	Sec 18 T09S R16E 2014 FSL 1914 FEL BHL Sec 18 T09S R16E 2424 FNL 2307 FWL
43-013-51568	GMBU J-20-9-16	Sec 21 T09S R16E 2041 FNL 0553 FWL BHL Sec 20 T09S R16E 1154 FNL 0095 FEL
43-013-51569	GMBU G-21-9-16	Sec 21 T09S R16E 2062 FNL 0557 FWL BHL Sec 21 T09S R16E 1276 FNL 1556 FWL
43-013-51570	GMBU S-14-9-15	Sec 14 T09S R15E 1963 FSL 0882 FEL BHL Sec 14 T09S R15E 1068 FSL 1301 FEL

**RECEIVED:** July 31, 2012

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51571	GMBU I-18-9-16	Sec 18 T09S R16E 1936 FNL 1914 FEL BHL Sec 18 T09S R16E 1062 FNL 0820 FEL
43-013-51572	GMBU L-18-9-16	Sec 18 T09S R16E 1955 FNL 1924 FEL BHL Sec 18 T09S R16E 2485 FNL 0972 FEL
43-013-51573	GMBU H-17-9-16	Sec 17 T09S R16E 1944 FNL 2044 FWL BHL Sec 17 T09S R16E 0993 FNL 2432 FEL
43-013-51574	GMBU S-15-9-15	Sec 15 T09S R15E 0768 FSL 0444 FEL BHL Sec 15 T09S R15E 1317 FSL 1367 FEL
43-013-51575	GMBU O-13-9-15	Sec 14 T09S R15E 1952 FSL 0864 FEL BHL Sec 13 T09S R15E 2537 FNL 0036 FWL
43-013-51576	GMBU Q-14-9-15	Sec 14 T09S R15E 2061 FSL 1946 FWL BHL Sec 14 T09S R15E 1147 FSL 1132 FWL
43-013-51577	GMBU L-20-9-16	Sec 20 T09S R16E 2117 FNL 1914 FEL BHL Sec 20 T09S R16E 2522 FSL 1123 FEL
43-013-51578	GMBU R-14-9-15	Sec 14 T09S R15E 2057 FSL 1967 FWL BHL Sec 14 T09S R15E 1037 FSL 2623 FEL
43-013-51579	GMBU W-16-9-16	Sec 21 T09S R16E 0726 FNL 1924 FWL BHL Sec 16 T09S R16E 0353 FSL 2559 FWL
43-013-51580	GMBU L-23-9-15	Sec 23 T09S R15E 2041 FSL 0713 FEL BHL Sec 23 T09S R15E 2545 FNL 1706 FEL
43-013-51581	GMBU N-17-9-16	Sec 17 T09S R16E 1965 FNL 2048 FWL BHL Sec 17 T09S R16E 2306 FSL 1008 FWL
43-013-51582	GMBU H-21-9-16	Sec 21 T09S R16E 0726 FNL 1945 FWL BHL Sec 21 T09S R16E 1505 FNL 2434 FEL
43-013-51587	GMBU J-17-9-16	Sec 16 T09S R16E 2100 FNL 0750 FWL BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
43-013-51588	GMBU J-17-9-16	Sec 16 T09S R16E 2100 FNL 0750 FWL BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
43-013-51589	GMBU C-17-9-16	Sec 08 T09S R16E 0704 FSL 1929 FEL BHL Sec 17 T09S R16E 0329 FNL 2480 FWL
43-013-51590	GMBU P-24-9-15	Sec 23 T09S R15E 2038 FSL 0692 FEL BHL Sec 24 T09S R15E 1073 FSL 0180 FWL

Please be advised that the GMBU J-17-9-16 has erroneously been entered twice into the UDOGM system under API Number 43-013-51587 and 43-013-51588.

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

Michael L. Coulthard Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals,  
email=Michael\_Coulthard@blm.gov, c=US  
Date: 2012.07.31 09:41:28 -0600

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

MCoulthard:mc:7-31-12

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/16/2012

API NO. ASSIGNED: 43013515650000

WELL NAME: GMBU R-8-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SWSE 08 090S 160E

Permit Tech Review: 

SURFACE: 0710 FSL 1908 FEL

Engineering Review: 

BOTTOM: 1512 FSL 2314 FWL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.04007

LONGITUDE: -110.14067

UTM SURF EASTINGS: 573310.00

NORTHINGS: 4432558.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64379

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

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

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: 4 - Federal Approval - dmason  
15 - Directional - dmason  
27 - Other - bhll



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 R-8-9-16  
**API Well Number:** 43013515650000  
**Lease Number:** UTU-64379  
**Surface Owner:** FEDERAL  
**Approval Date:** 8/2/2012

### Issued to:

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

### Authority:

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

### Duration:

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

### General:

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

### Conditions of Approval:

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

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

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

### Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

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

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

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number GMBU R-8-9-16  
Qtr/Qtr SW/SE Section 8 Township 9S Range 16E  
Lease Serial Number UTU-64379  
API Number 43-013-51565

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

Date/Time 5/8/13      8:00 AM  PM

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

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

Date/Time 5/8/13      3:00 AM  PM

BOPE

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

**RECEIVED**  
MAY 9 2013  
DIV. OF OIL, GAS & MINING

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

Remarks \_\_\_\_\_

---

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64379
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> GMBU R-8-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013515650000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<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> 0710 FSL 1908 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 08 Township: 09.0S Range: 16.0E 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/8/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<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 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.

On 5/8/13 Ross # 29 spud and drilled 345' of 12 1/4" hole, P/U and run 8 jts of 8 5/8" casing set 338.99'KB. On 5/9/13 cement w/BH w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 6bbbls to pit, bump plug to 100psi, BLM and State were notified of spud via email.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 16, 2013

<b>NAME (PLEASE PRINT)</b> Cherei Neilson	<b>PHONE NUMBER</b> 435 646-4883	<b>TITLE</b> Drilling Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/16/2013	

## Casing / Liner Detail

**Well** GMBU R-8-9-16  
**Prospect** Monument Butte  
**Foreman**  
**Run Date:**  
**String Type** Conductor, 14", 36.75#, H-40, W (Welded)

**- Detail From Top To Bottom -**

Depth	Length	JTS	Description	OD	ID
17.00			10' BK		
10.00	7.00		Conductor	14.000	13.500
17.00			-		

Cement Detail					
<b>Cement Company:</b>					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft <sup>3</sup> )	Description - Slurry Class and Additives
Stab-In-Job?			Cement To Surface?		
BHT:			Est. Top of Cement:		
Initial Circulation Pressure:			Plugs Bumped?		
Initial Circulation Rate:			Pressure Plugs Bumped:		
Final Circulation Pressure:			Floats Holding?		
Final Circulation Rate:			Casing Stuck On / Off Bottom?		
Displacement Fluid:			Casing Reciprocated?		
Displacement Rate:			Casing Rotated?		
Displacement Volume:			CIP:		
Mud Returns:			Casing Wt Prior To Cement:		
Centralizer Type And Placement:			Casing Weight Set On Slips:		



## Casing / Liner Detail

Well GMBU R-8-9-16  
 Prospect Monument Butte  
 Foreman \_\_\_\_\_  
 Run Date: \_\_\_\_\_  
 String Type Surface, 8.625", 24#, J-55, STC (Generic)

**- Detail From Top To Bottom -**

Depth	Length	JTS	Description	OD	ID
338.99			10' KB		
10.00	1.42		Wellhead		
11.42	285.48	7	8 5/8 Casing	8.625	
296.90	41.19	1	Shoe Joint	8.625	
338.09	0.90		Guide Shoe	8.625	
338.99			-		

Cement Detail						
Cement Company:		BJ				
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives	
Slurry 1	160	15.8	1.17	187.2	Class G+2%kcl+.25#CF	
Stab-In-Job?		No			Cement To Surface?	
BHT:		0			Yes	
Initial Circulation Pressure:					Est. Top of Cement:	
Initial Circulation Rate:					0	
Final Circulation Pressure:					Plugs Bumped?	
Final Circulation Rate:					Yes	
Displacement Fluid:		Water			Pressure Plugs Bumped:	
Displacement Rate:					100	
Displacement Volume:		17.8			Floats Holding?	
Mud Returns:					No	
Centralizer Type And Placement:					Casing Stuck On / Off Bottom?	
Middle of first, top of second and third for a total of three.					No	
					Casing Reciprocated?	
					No	
					Casing Rotated?	
					No	
					CIP:	
					10:24	
					Casing Wt Prior To Cement:	
					Casing Weight Set On Slips:	





BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS # 2  
Submitted By Justin Crum Phone Number 435-823-6732  
Well Name/Number GMBU R-8-9-16  
Qtr/Qtr SWSE Section 8 Township 9S Range 16E  
Lease Serial Number UTU-64379  
API Number 43-013-51565

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

Date/Time 5/25/2013      9:00 AM  PM

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

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

Date/Time 5/26/2013      5:00 AM  PM

**RECEIVED**  
**MAY 24 2013**  
**DIV. OF OIL, GAS & MINING**

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS # 2  
Submitted By Jim Smith Phone Number 823-2072  
Well Name/Number GMBU R-8-9-16  
Qtr/Qtr SW/SE Section 8 Township 9S Range 16E  
Lease Serial Number UTU-64379  
API Number 43-013-51565

Rig Move Notice – Move drilling rig to new location.

Date/Time 5/23/13      6:00 AM  PM

BOPE

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

Date/Time 5/23/13      10:00 AM  PM

Remarks \_\_\_\_\_

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**RECEIVED**

**MAY 22 2013**

**DIV. OF OIL, GAS & MINING**

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> UTU-64379	
		<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 R-8-9-16	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013515650000	
<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> 0710 FSL 1908 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 08 Township: 09.0S Range: 16.0E 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: 6/21/2013	<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 06/21/2013 at 19:00 hours.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 11, 2013</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> 7/3/2013	

<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> UTU-64379
		<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 R-8-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013515650000
<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> 0710 FSL 1908 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 08 Township: 09.0S Range: 16.0E 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 checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/17/2015	<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 type="checkbox"/> DRILLING REPORT Report Date:	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Scale Removal"/>

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

The above mentioned well had a casing repair and Acid/Scale removal job performed. See Attached Rig Summary Report dated 7/10/15 - 7/17/15.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 30, 2015**

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/30/2015	

**NEWFIELD****Summary Rig Activity****Well Name: Gmbu R-8-9-16**

Job Category	Job Start Date	Job End Date

Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
7/10/2015	7/10/2015	MIRUSU, TOOH W/ RODS
Start Time	End Time	Comment
13:00	14:00	Move rig to new well, Spot in & rig up NC4, Pump 60bbls water down casing @ 250*, Change filters & oil on rig during flush,
Start Time	End Time	Comment
14:00	15:00	Rig down pumping unit, Lay down horses head, Work to pull pump off seat, Pull to 30K & pump pulled off seat, Lay down polish rod, Rig up Preferred hot oiler to tubing, Pump 4bbls water & tubing pressured up, Had hot oiler pressure tubing up to 1500psi, Tubing would not flush
Start Time	End Time	Comment
15:00	16:00	Rig up rod equipment, Trip out of hole with 15 rods, Install flush cap & work to flush rods with no luck, Tubing pressured up to 1500psi & was holding pressure, trip out of hole with 60 rods & try to flush again with the same results, Could not get rods & tubing to flush, Rig up double E rod table to keep rods clean
Start Time	End Time	Comment
16:00	17:30	Trip out of hole with rod string as shown=1 1/2X30' polish rod, 2'8" 7/8 ponys, 79-7/8 4 pers, 118-3/4 4 pers, 40-7/8 8 pers & rod pump, Rod pump stuck open, Lay down 20-3/4 4 pers do to wear on tubing
Start Time	End Time	Comment
17:30	18:30	Rig down rod equipment, Nipple down well head, Install 6' tubing pup under tubing hanger, nipple up BOPs, Rig up rig floor, Rig up Rod equipment, Ready BOPs for pressure test monday morning, Shut Well In, Crew shut down for night
Start Time	End Time	Comment
18:30	19:00	Crew travel from location to office
Report Start Date	Report End Date	24hr Activity Summary
7/13/2015	7/13/2015	PRESSURE TEST BOP'S, RU POWER SWIVER TO RELEAE TAC, RU SING SHOT TO FREE POINT TBG, SHOOT TBG @ 5900' RD SINGLE SHOT
Start Time	End Time	Comment
06:00	06:30	Crew travel from office to NC4,
Start Time	End Time	Comment
06:30	07:00	Crew safety meeting with Preferred hot oiler
Start Time	End Time	Comment
07:00	08:30	Rig up B&C Quick Tester, Pressure test BOPs with BOP tester, Pressure test blind rams, pipe rams, & well head flange to 300psi low for 15min, & 5000psi high for 30 min, Good test, Rig down BOP tester,
Start Time	End Time	Comment
08:30	11:00	Work to release tubing anchor with rod tongs, Pull tubing string to 75000 pounds & drop catch at 40000 pounds, Tubing anchor would not release, Could not get any rotation out of tubing anchor
Start Time	End Time	Comment
11:00	15:30	Rig up RBS power swivel, work tubing with right hand torque put into tubing string, drop catch at different weights, could not get any movement, Rig up hot oiler to tubing, try to flush, tubing pressured up to 2500psi & pumped at that, Pressure did not come down, pump 30bbls water @ 150*, Work to release tubing anchor with no luck, Rig up hot oiler to fush casing, pump 50bbls water down casing @ 250*, Work to release tubing anchor & wait for single shot to free point & shoot off tubing,
Start Time	End Time	Comment
15:30	18:30	Rig up Single Shot to free point tubing, Pull up & run in hole with free point tool, work in hole, free point tubing, tubing 75% free from 5700' to 5900, Check in four different places, Tubing 65% free @ 5930', Check tubing @ 5950(below tubing anchor) 100% stuck, Pull out of hole with free point tool, Pull up & run in hole with tubing cutter to cut tubing, Work in hole, Check to make sure in proper area, Check against the seat nipple & tubing anchor, All line up, Pull tubing to 45000punds, 5000 over string weight, Shoot tubing off @ 5930', Seen tubing jump, Lost 5000pounds on weight indecator, rig up hot oiler to try and flush tubing, Tubing would not flush, Pressure tubing up to 500psi, Would not flush, Pull out of hole with tubing cutter, Lay down and rig down all single shot equipment, Release Singlshot,

**NEWFIELD****Summary Rig Activity****Well Name: Gmbu R-8-9-16**

Start Time			End Time		Comment
18:30			20:00		Trip out of hole with 188jts tubing and 20' cut off stump, First 30' pulling over string weight, Had to work out of hole with pulling over string weight and drop catching tubing string, Lay down cut joint, Shut well in, Ready to begin fishing operations in the morning, Crew shut down for night
Start Time			End Time		Comment
20:00			20:30		Crew travel from location to Newfield office
Report Start Date	Report End Date	24hr Activity Summary			
7/14/2015	7/14/2015	FISHING OPPTS			
Start Time			End Time		Comment
06:00			06:30		Crew travel from office to NC4
Start Time			End Time		Comment
06:30			07:00		Crew safety meeting, Go over JSA,
Start Time			End Time		Comment
07:00			09:00		Pull up Slauch bit & scraper & trip in hole with 188jts of tubing, Bit and scraper dragging through perfs, tagged up on last joint @ 5890', Lay down last joint,
Start Time			End Time		Comment
09:00			11:00		Rig up RBS powerswivel, Make up last joint on swivel, Rig up Western Well Service pump & tank, Install wash head rubber, Brake circulation, Wash down to 5910' and circulate hole clean with two bottoms up, Circulate up scale, Kick out rig pump, Rig down power swivel,
Start Time			End Time		Comment
11:00			13:00		Trip out of hole with bit & scraper, Lay down bit & scraper
Start Time			End Time		Comment
13:00			15:30		Pull up & run in hole with Slauch fishing string as shown- 4 1/2 wash shoe, Four joints 4 1/2 wash pipe, 1 top sub, 1 bumper sub, 1 jar, 2-3 1/2 drill collars, Cross over, & 182jts 2 7/8 J-55 tubing, Tag Scale @ 5910',
Start Time			End Time		Comment
15:30			17:00		Rig up power swivel, Install wash head rubber, Brake circulation, Drill and wash up scale, was over fish top @ 5930', Wash down to tubing anchor @ 5941', When washing over, tubing plugging up, Circulate down casing & up tubing, Casing would pressure up to 500psi & tubing would quit circulating, would pull off bottom & drop catch tubing string to get circulation back, Would only drill & wash about a foot and would have to keep doing this, was washing up big chunks of scale,
Start Time			End Time		Comment
17:00			18:30		Tag up on tubing anchor, Circulate down casing & up tubing, Casing pressure at 300psi @ 3bbls per min, Was not losing fluid when drilling on tubing anchor, was circulating back scale & iron from the cage to the tubing anchor, Drilled a little over one foot of the tubing anchor cage
Start Time			End Time		Comment
18:30			19:00		Pull off fish & circulate hole clean, Circulate two bottoms up to make hole clean,
Start Time			End Time		Comment
19:00			20:00		Rig down powerswivel, Trip out of hole with tubing & fishing string, Leave fishing string in hole, EOT at 4380', Above perfs, Shut well in, Crew shut down for night
Start Time			End Time		Comment
20:00			20:30		Crew travel from location to office
Report Start Date	Report End Date	24hr Activity Summary			
7/15/2015	7/15/2015	FISHING OPP, CAUGHT FISH, RU BIT AND SCRAPER			
Start Time			End Time		Comment
06:00			06:30		Crew travel from office to NC4
Start Time			End Time		Comment
06:30			07:00		Crew safety meeting with slaugh fishing hand, Go over JSA,
Start Time			End Time		Comment
07:00			08:00		Run in hole with tubing to tubing anchor @ 5942', Rig up powerswivel

**NEWFIELD****Summary Rig Activity****Well Name: Gmbu R-8-9-16**

Start Time	08:00	End Time	12:00	Comment
				Brake circulation, Start drilling on tubing anchor, work on tubing anchor for one hour and started pushing tubing down hole, Would not let just push, Had to circulate and rotate tubing to get to go down hole, was getting small amounts of scale and iron in returns, Push tbg to 6090' and tubing would not go down anymore, Start drilling on tubing anchor again, Drill on tubing anchor another hour, and tubing started rotating with wash shoe, want to try to get a friction bite on the tubing anchor with no luck, Circulate hole clean,
Start Time	12:00	End Time	13:30	Comment
				Trip out of hole with wash string, Stand wash pipe back in derrick,
Start Time	13:30	End Time	15:30	Comment
				Pull up & run in hole with overshot with cut lip guide & basket grapel, bumper sub, Jar, 2 Drill Collars, Intensifier, & tubing to top of fish neck @ 6080'
Start Time	15:30	End Time	16:30	Comment
				Work to latch onto fish top, latch onto fish top, start jarring on fish, work fish up hole 15', Fish stopped and was not coming up hole, start jarring down on fish, Work fish down 12", start working fish back out, Jar two times up and fish popped free and started traveling with fishing string,
Start Time	16:30	End Time	18:30	Comment
				Trip out of hole with overshot & fish, Lay down all fishing tools from overshot run, lay down 10' fish neck, tubing anchor, 1jt tubing, seat nipple, 2jts tubing, & notch collar
Start Time	18:30	End Time	19:00	Comment
				Lay down wash pipe & release Slauch fishing hand,
Start Time	19:00	End Time	19:30	Comment
				Pull up & run in hole with Slauch bit and scraper, run in hole with 40jts tubing for kill string, shut well in, crew shut down for night
Start Time	19:30	End Time	20:00	Comment
				Crew travel from rig to office
Report Start Date	Report End Date	24hr Activity Summary		
7/16/2015	7/16/2015	SPOT AND PUMP ACID		
Start Time	06:00	End Time	06:30	Comment
				Crew travel from office to NC4
Start Time	06:30	End Time	07:00	Comment
				Crew safety meeting with slaugh fishing hand, Go over JSA
Start Time	07:00	End Time	08:30	Comment
				Run In Hole With Slauch Bit And Scraper, Tag Top Of Fill @6188,
Start Time	08:30	End Time	09:00	Comment
				Rig up RBS swivel, Rig up WWS rig pump, Brake circulation, Circulate hole clean
Start Time	09:00	End Time	11:30	Comment
				Drill & clean out fill from 6188' to 6215, Was getting back large amounts of scale & sand, Was having a hard time keeping circulation, could only drill 6" to 12" and would lose circulation, would have to pick up off bottom and work tubing up and down to regain circulation, Circulated tubing clean, reversed circulation(down tubing & up casing), Drilled 4' and Plugged up bit, Picked off bottom and worked to blow out bit, could not blow out bit, Bit plugged up
Start Time	11:30	End Time	13:30	Comment
				Trip out of hole with bit and scraper, Lay down bit and scraper, Bit and scraper plugged up with big chunks of scale and sand,
Start Time	13:30	End Time	15:30	Comment
				Pull up & run in hole with purge valve, 2jts, desander, 4' tubing sub, 1jt, Seat nipple, 49jts tubing, Tubing anchor, and tubing, Run in hole to spot acid

**NEWFIELD****Summary Rig Activity****Well Name: Gmbu R-8-9-16**

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Start Time	15:30	End Time	17:30	Comment
				Spot acid , Stage #1-spot acid out of desander in perfs 5978-5815 with 4bbls acid, displace out of tubing to perfs with rig pump 35bbls water, pull out of hole with tubing to stage 2, Stage #2-spot acid out of desander in perfs 5382- 5332' with 1.5bbls acid, displace out of tubing to perfs with 31bbls water, pull out of hole to stage 3, Stage #3, spot acid out of desander in perfs 5182-5091' with 2.5bbls acid, displace acid out of tubing and to perfs with 30bbls water, pull out of hole to stage 4, Stage #4-spot acid out of desander in perfs 4922-4919' with .5bbls acid, displace acid out of tubing and to perfs with 28bbls water, pull out of hole with tubing to stage 5, Stage #5-spot acid out of desander in perfs 4444-4406 with 1bbl acid, displace acid out of tubing & to perfs with 26bbls water, Pull out of hole until production string above all perfs, Shut well in, Crew shut down for night
Start Time	17:30	End Time	18:00	Comment
				Crew travel from rig to office
Report Start Date	Report End Date	24hr Activity Summary		
7/17/2015	7/17/2015	TIH W/ PRODUCTION, PWOP, FINAL REPORT!		
Start Time	06:00	End Time	06:30	Comment
				Crew travel from office to NC4
Start Time	06:30	End Time	07:00	Comment
				Crew safety meeting with slaugh fishing hand, Go over JSA
Start Time	07:00	End Time	08:00	Comment
				Run in hole with production tubing string as shown-KB 10', Tubing hanger=.90, Tension=1.3, 140jt 2 7/8 J-55 tubing=4383.73, Tubing anchor=4395.33, 49jts=1537.58, Seat Nipple=1.10 set @5963.01, 1jt=31.38, 4' tubing pup=4.06, #1 desander=19.13, 2jts=62.70, & pruge valve=.80, End of tubing @ 6055.18
Start Time	08:00	End Time	09:00	Comment
				Pull up 8' tubing pup, Set tubing anchor in 17K# tension, Work tubing anchor to make sure set properly, Rig down tubing equipment, Rig down rig floor, Nipple Down BOPs, Install Tubing Hanger, Lay Down 8' Tubing Pup, Nipple Up Well Head, Rig up rod equipment
Start Time	09:00	End Time	11:30	Comment
				Rig up horses head, Hang off rod string, fill tubing with 5bbls water, Stroke test rods and tubing to 800psi with rod pump, Good test, Rig down rod equipment, Rig down rig equipment, Rig down NC4 rig, Rack out rig pump, Ready NC4 for rig move. Final Report Well ready To Put On Production @ 12:30PM.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. 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 710' FSL & 1908' FEL (SW/SE) SEC. 8, T9S, R16E (UTU-64379)

At top prod. interval reported below 1226' FSL & 2619' FEL (SW/SE) SEC. 8, T9S, R16E (UTU-64379)

At total depth 1532' FSL & 2254' FWL (NE/SW) SEC. 8, T9S, R16E (UTU-74390)

14. Date Spudded  
05/08/2013

15. Date T.D. Reached  
05/27/2013

16. Date Completed 06/21/2013  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5925' GL 5935' KB

18. Total Depth: MD 6418'  
TVD 6239'

19. Plug Back T.D.: MD 6388'  
TVD

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	339'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6412'		475 50/50 POZ 280 PREMLITE		58'	

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@ 6040'	TA @ 5942'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4404' MD	5978' MD	4404-5978' MD	0.34"	78	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4404-5978' MD	Frac w/ 207792#s 20/40 white sand in 1916 bbls of Lightning 17 fluid, in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/14/13	6/24/13	24	→	45	29	65			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

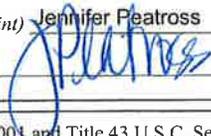
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3858' 4081'
				GARDEN GULCH 2 POINT 3	4189' 4452'
				X MRKR Y MRKR	4725' 4760'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4878' 5135'
				B LIMESTONE MRK CASTLE PEAK	5244' 5780'
				BASAL CARBONATE	6252'

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) Jennifer Peatross Title Production Technician  
 Signature  Date 07/16/2013

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



# NEWFIELD EXPLORATION

USGS Myton SW (UT)  
SECTION 8 T9S, R16E  
R-8-9-16  
Wellbore #1

Design: Actual

## End of Well Report

29 May, 2013





**Payzone Directional**  
End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well R-8-9-16
Project:	USGS Mykon SW (UT)	TVD Reference:	R-8-9-16 @ 5935.0ft (NDSI SS #2)
Site:	SECTION 8 T9S, R16E	MD Reference:	R-8-9-16 @ 5935.0ft (NDSI SS #2)
Well:	R-8-9-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

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

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

Well:	R-8-9-16, SHL LAT: 40 02 24.34 LONG: -110 08 26.05		
Well Position	+N-S 0.0 ft	Northing:	7,186,220.43 ft
	+E-W 0.0 ft	Easting:	2,021,005.24 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,935.0 ft
		Latitude:	40° 2' 24.340 N
		Longitude:	110° 8' 26.050 W
		Ground Level:	5,925.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/20/2012	11.24	65.75	52,170

Design	Actual		
Audit Notes:	1.0	Phase:	ACTUAL
Version:		Tie On Depth:	0.0
Vertical Section:			
	Depth From (TVD) (ft)	+N/S (ft)	+E/W (ft)
	0.0	0.0	0.0
		Direction (°)	306.06

Survey Program	Date	5/29/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
374.0	6,418.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



**Payzone Directional**  
End of Well Report



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

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well R-8-9-16  
R-8-9-16 @ 5935.0ft (NDSI SS #2)  
R-8-9-16 @ 5935.0ft (NDSI SS #2)  
True  
Minimum Curvature  
EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	374.0	1.30	38.80	374.0	-0.2	3.3	2.7	0.35	0.35	0.00
	404.0	1.30	39.70	404.0	-0.2	3.8	3.1	0.07	0.00	3.00
	434.0	1.20	41.60	434.0	-0.3	4.3	3.5	0.36	-0.33	6.33
	465.0	1.20	40.30	464.9	-0.3	4.8	3.9	0.09	0.00	-4.19
	496.0	1.30	36.20	495.9	-0.4	5.4	4.4	0.43	0.32	-13.23
	526.0	1.40	15.60	525.9	-0.2	6.0	4.7	1.64	0.33	-88.67
	556.0	1.90	349.90	555.9	0.2	6.8	4.7	2.94	1.67	-85.67
	585.0	2.50	335.20	584.9	1.1	7.9	4.3	2.82	2.07	-50.69
	616.0	3.10	324.70	615.9	2.5	9.2	3.6	2.54	1.94	-33.87
	646.0	3.60	315.70	645.8	4.2	10.5	2.4	2.41	1.67	-30.00
	676.0	4.00	307.00	675.7	6.2	11.8	0.9	2.34	1.33	-29.00
	707.0	4.20	302.00	706.7	8.4	13.1	-0.9	1.32	0.65	-16.13
	737.0	4.20	301.20	736.6	10.6	14.2	-2.8	0.20	0.00	-2.67
	767.0	4.10	301.90	766.5	12.8	15.3	-4.6	0.37	-0.33	2.33
	798.0	4.50	303.00	797.4	15.1	16.6	-6.6	1.32	1.29	3.55
	828.0	5.30	304.20	827.3	17.6	18.0	-8.7	2.69	2.67	4.00
	858.0	6.00	305.90	857.2	20.6	19.7	-11.1	2.40	2.33	5.67
	889.0	6.60	307.30	888.0	24.0	21.7	-13.9	2.00	1.94	4.52
	919.0	6.80	307.80	917.8	27.5	23.9	-16.6	0.69	0.67	1.67
	949.0	6.90	307.40	947.6	31.1	26.1	-19.5	0.37	0.33	-1.33
	979.0	7.30	307.70	977.3	34.8	28.3	-22.4	1.34	1.33	1.00
	1,010.0	7.70	306.20	1,008.1	38.8	30.7	-25.6	1.44	1.29	-4.84
	1,054.0	8.10	303.60	1,051.6	44.9	34.2	-30.6	1.22	0.91	-5.91
	1,098.0	8.30	302.70	1,095.2	51.1	37.6	-35.9	0.54	0.45	-2.05
	1,141.0	8.50	302.00	1,137.7	57.4	41.0	-41.2	0.52	0.47	-1.63
	1,185.0	9.00	299.90	1,181.2	64.1	44.4	-46.9	1.35	1.14	-4.77



**Payzone Directional**  
End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well R-8-9-16
Project:	USGS Myton SW (LT)	TVD Reference:	R-8-9-16 @ 5935.0ft (NDSI SS #2)
Site:	SECTION 8 T9S, R18E	MD Reference:	R-8-9-16 @ 5935.0ft (NDSI SS #2)
Well:	R-8-9-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	D/Leg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	1,229.0	9.10	299.70	1,224.7	71.0	47.9	-52.9	0.24	0.23	-0.45
	1,273.0	9.40	299.40	1,258.1	78.0	51.4	-59.1	0.69	0.68	-0.68
	1,316.0	9.80	300.00	1,310.5	85.1	54.9	-65.3	0.96	0.93	1.40
	1,360.0	10.00	302.20	1,353.8	92.6	58.8	-71.8	0.97	0.45	5.00
	1,404.0	10.60	304.40	1,397.1	100.5	63.1	-78.3	1.63	1.36	5.00
	1,448.0	10.80	305.20	1,440.4	108.7	67.8	-85.0	0.57	0.45	1.82
	1,492.0	11.60	307.90	1,483.5	117.2	72.9	-91.9	2.17	1.82	6.14
	1,536.0	12.60	307.10	1,526.6	126.4	78.5	-99.2	2.30	2.27	-1.82
	1,580.0	13.00	306.40	1,569.5	136.2	84.3	-107.0	0.98	0.91	-1.59
	1,623.0	13.40	306.00	1,611.3	146.0	90.1	-115.0	0.95	0.93	-0.93
	1,667.0	13.80	306.10	1,654.1	156.3	96.2	-123.3	0.91	0.91	0.23
	1,711.0	14.60	306.50	1,696.7	167.1	102.6	-132.0	1.83	1.82	0.91
	1,755.0	15.30	304.70	1,739.3	178.5	109.2	-141.3	1.91	1.59	-4.09
	1,798.0	15.10	302.80	1,780.8	189.7	115.5	-150.6	1.25	-0.47	-4.42
	1,842.0	14.50	300.60	1,823.3	201.0	121.4	-160.2	1.87	-1.36	-5.00
	1,886.0	14.80	298.10	1,865.9	212.0	126.9	-169.9	1.59	0.68	-5.68
	1,930.0	14.90	297.60	1,908.4	223.2	132.1	-179.9	0.37	0.23	-1.14
	1,973.0	14.60	297.80	1,950.0	234.0	137.2	-189.5	0.71	-0.70	0.47
	2,017.0	14.40	296.80	1,992.6	244.9	142.3	-199.3	0.73	-0.45	-2.27
	2,061.0	14.50	297.20	2,035.2	255.7	147.2	-209.1	0.32	0.23	0.91
	2,105.0	15.10	298.60	2,077.7	266.9	152.5	-219.0	1.59	1.36	3.18
	2,149.0	15.60	301.10	2,120.2	278.4	158.3	-229.1	1.88	1.14	5.68
	2,192.0	15.60	301.90	2,161.6	290.0	164.4	-239.0	0.50	0.00	1.86
	2,236.0	15.40	304.40	2,204.0	301.7	170.8	-248.8	1.58	-0.45	5.68
	2,280.0	15.30	307.20	2,246.4	313.3	177.6	-258.3	1.70	-0.23	6.36
	2,324.0	15.30	306.70	2,288.8	324.9	184.6	-267.6	0.30	0.00	-1.14
	2,368.0	15.80	306.20	2,331.2	336.7	191.6	-277.1	1.18	1.14	-1.14



**Payzone Directional**  
End of Well Report



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

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well R-8-9-16  
R-8-9-16 @ 5935.0ft (NDSI SS #2)  
R-8-9-16 @ 5935.0ft (NDSI SS #2)  
True  
Minimum Curvature  
EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	2,411.0	16.30	303.90	2,372.6	348.6	198.4	-286.8	1.88	1.16	-5.35
	2,455.0	16.30	302.80	2,414.8	361.0	205.2	-297.1	0.70	0.00	-2.50
	2,499.0	15.80	303.90	2,457.1	373.1	211.9	-307.3	1.33	-1.14	2.50
	2,543.0	15.50	306.30	2,499.4	385.0	218.7	-317.0	1.62	-0.68	5.45
	2,587.0	15.10	307.80	2,541.9	396.6	225.7	-326.2	1.28	-0.91	3.41
	2,631.0	14.80	307.10	2,584.4	407.9	232.6	-335.3	0.80	-0.68	-1.59
	2,674.0	14.10	308.40	2,626.0	418.7	239.2	-343.7	1.79	-1.63	3.02
	2,718.0	14.60	303.40	2,668.7	429.6	245.5	-352.6	3.04	1.14	-11.36
	2,762.0	15.50	302.50	2,711.1	441.0	251.8	-362.2	2.11	2.05	-2.05
	2,806.0	15.70	304.00	2,753.5	452.8	258.2	-372.1	1.02	0.45	3.41
	2,849.0	15.90	307.90	2,794.9	464.5	265.1	-381.5	2.51	0.47	9.07
	2,893.0	16.90	312.30	2,837.1	476.9	273.1	-391.0	3.62	2.27	10.00
	2,937.0	18.00	313.90	2,879.1	490.0	282.1	-400.6	2.73	2.50	3.64
	2,981.0	19.60	315.30	2,920.7	504.0	292.1	-410.7	3.78	3.64	3.18
	3,025.0	20.50	313.80	2,962.1	518.9	302.7	-421.5	2.36	2.05	-3.41
	3,069.0	20.90	312.40	3,003.2	534.3	313.3	-432.8	1.45	0.91	-3.18
	3,112.0	20.90	312.00	3,043.4	549.6	323.6	-444.2	0.33	0.00	-0.93
	3,156.0	21.10	310.60	3,084.5	565.3	334.0	-456.1	1.23	0.45	-3.18
	3,200.0	20.80	309.20	3,125.6	581.0	344.1	-468.1	1.33	-0.68	-3.18
	3,244.0	19.40	306.30	3,166.9	596.1	353.4	-480.1	3.90	-3.18	-6.59
	3,288.0	18.80	304.80	3,208.5	610.5	361.7	-491.8	1.76	-1.36	-3.41
	3,332.0	18.90	305.30	3,250.1	624.7	369.9	-503.4	0.43	0.23	1.14
	3,375.0	18.50	304.40	3,290.8	638.5	377.8	-514.7	1.15	-0.93	-2.09
	3,419.0	17.70	303.60	3,332.7	652.1	385.4	-526.1	1.90	-1.82	-1.82
	3,463.0	17.30	302.70	3,374.6	665.4	392.7	-537.1	1.10	-0.91	-2.05
	3,507.0	16.90	303.00	3,416.7	678.3	399.7	-548.0	0.93	-0.91	0.68
	3,551.0	16.60	302.40	3,458.8	690.9	406.5	-558.7	0.79	-0.68	-1.36



**Payzone Directional**  
End of Well Report



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

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:

Well R-8-9-16  
 R-8-9-16 @ 5835.0ft (NDSI SS #2)  
 R-8-9-16 @ 5835.0ft (NDSI SS #2)  
 True  
 Minimum Curvature  
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	3.595.0	16.10	304.50	3,501.0	703.3	413.4	-569.0	1.76	-1.14	4.77
	3.638.0	15.60	304.20	3,542.4	715.0	420.0	-578.7	1.18	-1.16	-0.70
	3.682.0	14.90	305.40	3,584.9	726.6	426.6	-588.2	1.75	-1.59	2.73
	3.726.0	14.60	305.00	3,627.4	737.8	433.0	-597.4	0.72	-0.68	-0.91
	3.770.0	14.50	305.40	3,670.0	748.9	439.4	-606.4	0.32	-0.23	0.91
	3.813.0	14.20	305.40	3,711.6	759.5	445.6	-615.1	0.70	-0.70	0.00
	3.857.0	13.50	303.90	3,754.4	770.0	451.6	-623.7	1.79	-1.59	-3.41
	3.901.0	13.00	303.30	3,797.2	780.1	457.2	-632.1	1.18	-1.14	-1.36
	3.945.0	12.50	303.20	3,840.1	789.8	462.5	-640.3	1.14	-1.14	-0.23
	3.989.0	12.40	305.70	3,883.1	799.3	467.8	-648.1	1.25	-0.23	5.68
	4.032.0	12.30	305.40	3,925.1	808.5	473.2	-655.6	0.28	-0.23	-0.70
	4.076.0	12.10	307.20	3,968.1	817.8	478.7	-663.1	0.98	-0.45	4.09
	4.120.0	11.60	308.20	4,011.2	826.8	484.2	-670.2	1.23	-1.14	2.27
	4.164.0	11.70	307.30	4,054.2	835.7	489.7	-677.2	0.47	0.23	-2.05
	4.208.0	11.80	306.60	4,097.3	844.7	495.0	-684.4	0.40	0.23	-1.59
	4.251.0	11.50	305.70	4,139.4	853.4	500.2	-691.4	0.82	-0.70	-2.09
	4.295.0	11.50	307.60	4,182.6	862.1	505.4	-698.4	0.86	0.00	4.32
	4.339.0	11.00	309.30	4,225.7	870.7	510.7	-705.2	1.36	-1.14	3.86
	4.383.0	10.50	311.60	4,268.9	878.9	516.1	-711.4	1.50	-1.14	5.23
	4.427.0	11.00	310.70	4,312.2	887.1	521.5	-717.6	1.20	1.14	-2.05
	4.471.0	12.00	309.30	4,355.3	895.8	527.1	-724.3	2.36	2.27	-3.18
	4.514.0	12.40	309.50	4,397.3	904.9	532.9	-731.3	0.94	0.93	0.47
	4.558.0	12.80	312.00	4,440.3	914.4	539.1	-738.6	1.54	0.91	5.68
	4.602.0	13.10	311.80	4,483.1	924.2	545.7	-745.9	0.69	0.68	-0.45
	4.646.0	13.00	311.10	4,526.0	934.1	552.3	-753.4	0.43	-0.23	-1.59
	4.689.0	12.90	311.60	4,567.9	943.7	558.7	-760.6	0.35	-0.23	1.16
	4.733.0	13.00	308.50	4,610.8	953.6	565.0	-768.2	1.59	0.23	-7.05



**Payzone Directional**  
End of Well Report



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

Local Co-ordinate Reference:  
TVD Reference: Well R-8-9-16  
MD Reference: R-8-9-16 @ 5935.0ft (NDSI SS #2)  
North Reference: R-8-9-16 @ 5935.0ft (NDSI SS #2)  
Survey Calculation Method: True  
Database: Minimum Curvature  
EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	NIS (ft)	EMW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,777.0	13.70	305.50	4,653.6	963.7	571.1	-776.3	2.24	1.59	-6.82
	4,821.0	14.70	305.40	4,696.3	974.5	577.4	-785.1	2.27	2.27	-0.23
	4,865.0	15.40	304.70	4,736.7	985.9	583.9	-794.4	1.64	1.59	-1.59
	4,869.1	15.42	304.82	4,742.7	987.0	584.6	-795.3	0.88	0.46	2.82
<b>R-8-9-16 TGT</b>										
	4,908.0	15.60	305.90	4,780.2	997.4	590.6	-803.8	0.88	0.47	2.79
	4,952.0	15.70	307.30	4,822.5	1,009.3	597.6	-813.3	0.89	0.23	3.18
	4,996.0	15.70	308.20	4,864.9	1,021.2	604.9	-822.8	0.55	0.00	2.05
	5,040.0	15.60	307.00	4,907.3	1,033.1	612.2	-832.2	0.77	-0.23	-2.73
	5,084.0	15.60	305.00	4,949.7	1,044.9	619.1	-841.7	1.22	0.00	-4.55
	5,127.0	15.30	304.00	4,991.1	1,056.3	625.6	-851.2	0.93	-0.70	-2.33
	5,171.0	15.90	303.00	5,033.5	1,068.2	632.1	-861.0	1.49	1.36	-2.27
	5,215.0	16.40	301.10	5,075.7	1,080.4	638.6	-871.4	1.65	1.14	-4.32
	5,259.0	16.20	299.10	5,118.0	1,092.7	644.8	-882.1	1.35	-0.45	-4.55
	5,303.0	16.00	298.50	5,160.2	1,104.8	650.7	-892.8	0.59	-0.45	-1.36
	5,347.0	16.20	299.20	5,202.5	1,116.9	656.6	-903.5	0.63	0.45	1.59
	5,390.0	16.10	300.70	5,243.8	1,128.8	662.6	-913.8	1.00	-0.23	3.49
	5,434.0	14.90	301.10	5,286.2	1,140.5	668.6	-923.9	2.74	-2.73	0.91
	5,478.0	13.90	303.20	5,328.8	1,151.4	674.4	-933.2	2.56	-2.27	4.77
	5,522.0	13.80	307.10	5,371.6	1,161.9	680.5	-941.8	2.13	-0.23	8.86
	5,566.0	14.20	310.60	5,414.3	1,172.5	687.2	-950.1	2.13	0.91	7.95
	5,610.0	15.50	310.50	5,456.8	1,183.8	694.5	-956.6	2.96	2.95	-0.23
	5,653.0	16.50	307.00	5,498.1	1,195.6	701.9	-967.9	3.23	2.33	-8.14
	5,697.0	16.50	306.70	5,540.3	1,208.1	709.4	-977.9	0.19	0.00	-0.68
	5,741.0	14.60	303.90	5,582.7	1,219.9	716.2	-987.5	4.64	-4.32	-6.36
	5,785.0	12.80	302.20	5,625.4	1,230.3	721.9	-996.2	4.19	-4.09	-3.86
	5,829.0	12.80	306.30	5,668.4	1,240.0	727.4	-1,004.3	2.06	0.00	9.32



**Payzone Directional**  
End of Well Report



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

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:

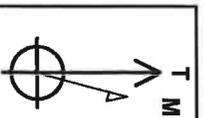
Well R-8-9-16  
 R-8-9-16 @ 5935.0ft (NDSI SS #2)  
 R-8-9-16 @ 5935.0ft (NDSI SS #2)  
 True  
 Minimum Curvature  
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	5.872.0	13.90	311.80	5,710.2	1,249.9	733.7	-1,012.0	3.90	2.56	12.79
	5,916.0	13.90	316.80	5,752.9	1,260.4	741.0	-1,019.5	2.73	0.00	11.36
	5,960.0	14.30	317.20	5,795.6	1,270.9	748.9	-1,026.8	0.94	0.91	0.91
	6,004.0	14.40	314.70	5,838.2	1,281.7	756.7	-1,034.4	1.43	0.23	-5.68
	6,048.0	14.80	311.10	5,880.8	1,292.7	764.2	-1,042.6	2.25	0.91	-8.18
	6,091.0	14.30	310.00	5,922.4	1,303.4	771.3	-1,050.8	1.33	-1.16	-2.56
	6,135.0	15.10	308.60	5,965.0	1,314.6	778.3	-1,059.4	1.99	1.82	-3.18
	6,179.0	15.70	308.00	6,007.4	1,326.3	785.6	-1,068.6	1.41	1.36	-1.36
	6,223.0	15.50	307.90	6,049.8	1,338.1	792.9	-1,077.9	0.46	-0.45	-0.23
	6,267.0	15.60	307.00	6,092.2	1,349.9	800.0	-1,087.3	0.59	0.23	-2.05
	6,310.0	14.90	306.10	6,133.6	1,361.2	806.8	-1,096.4	1.72	-1.63	-2.09
	6,354.0	14.10	304.90	6,176.2	1,372.2	813.2	-1,105.3	1.94	-1.82	-2.73
	6,418.0	12.90	303.20	6,236.5	1,387.1	821.5	-1,117.7	1.97	-1.88	-2.66

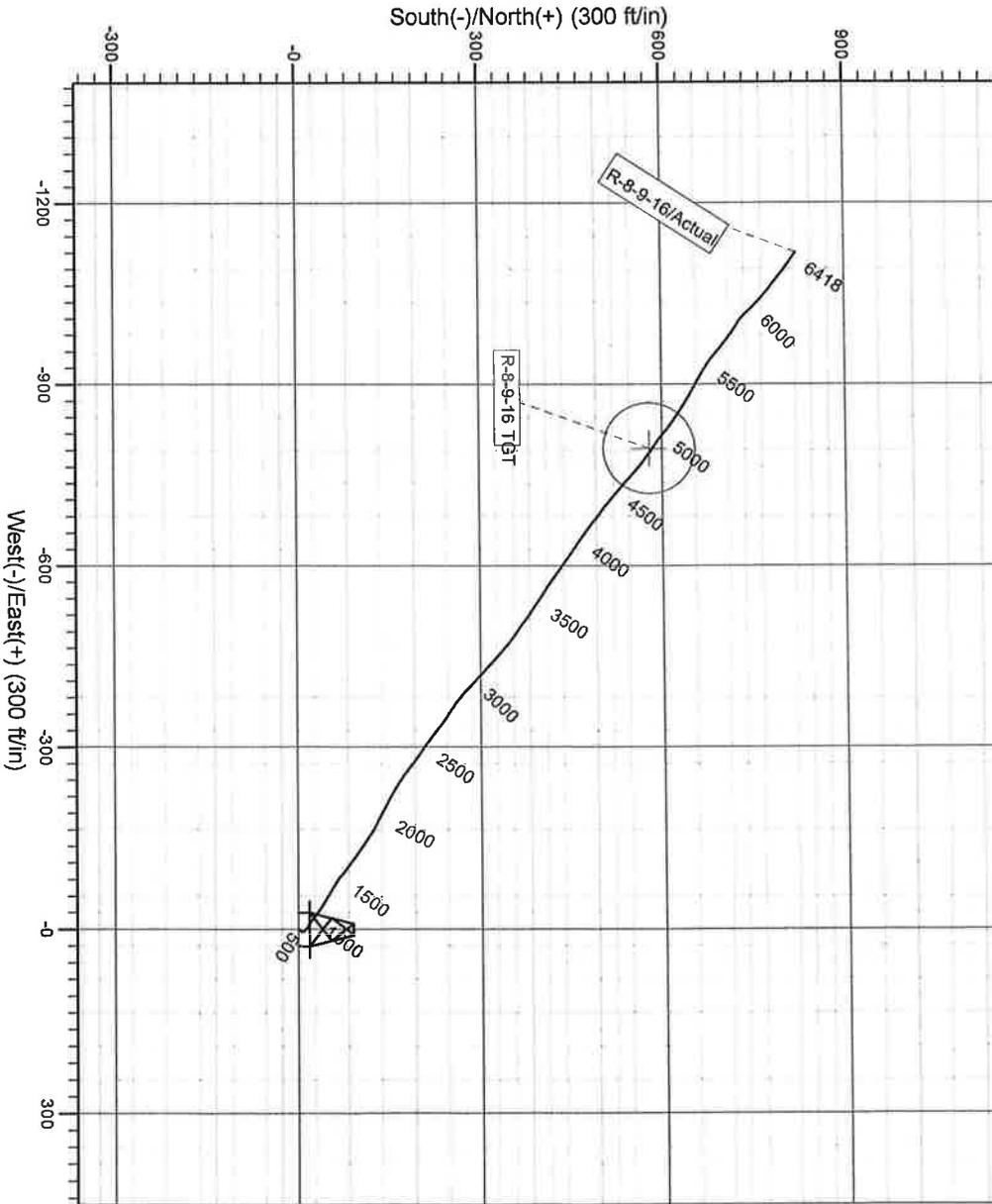
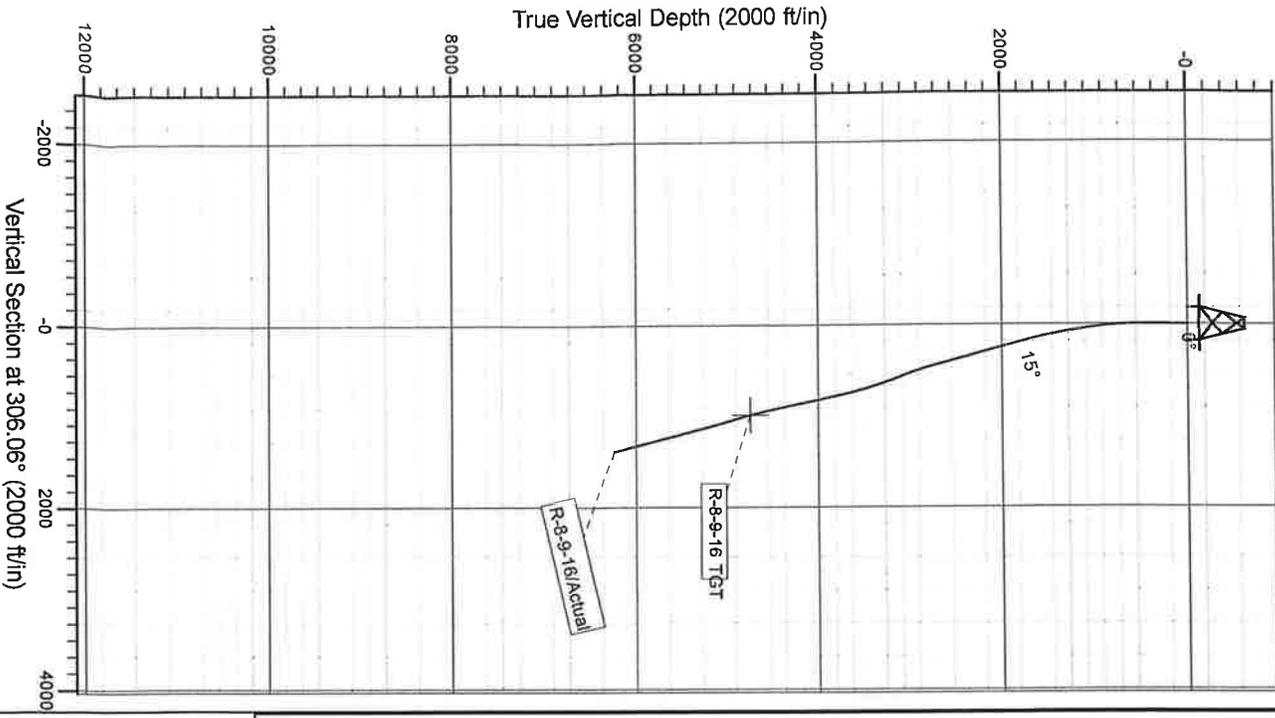
Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



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



Azimuths to True North  
 Magnetic North: 11.23°  
 Magnetic Field Strength: 52169.6nT  
 Dip Angle: 65.75°  
 Date: 4/20/2012  
 Model: IGRF2010



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

Created By: *karab. %/dkk* Date: 21:01, May 29 2013

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

**Daily Activity Report****Format For Sundry****GMBU R-8-9-16****4/1/2013 To 8/30/2013****6/6/2013 Day: 1****Completion**

Rigless on 6/6/2013 - RU BOP's. Test BOP's. CBL well. Perf 1st stage. - RU Perforators WLT, crane & pack-off. RIH w/ CBL tool. Run CBL w/ 0 psi on casing. TD was 6356' w/ Cmt top @ 58'. - RU test unit & test casing, frac valve & 2-1/16" & Lo-Torc valve to 250 low for 5 min. 4300 psi high for for 30 min. Test BOP's to 4300 psi for 5 min. - RU WLT, crane & pack-off. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 2 spf. Perferate CP3 sds @ 5974-78', CP1 sds @ 5870-72', 5862-64', CP.5 sds @ 5828-29', 5819-20', 5815-16' w/ ttl of 22 shots. SIFN w/ 152 bbls EWTR. - Held safety meeting & discussed location hazards & JSA's. RU S&S Testers. Test unit to 4500 psi. Test void on BOP's to 2000 psi for 5 min.

**Daily Cost:** \$0**Cumulative Cost:** \$26,228**6/11/2013 Day: 2****Completion**

Rigless on 6/11/2013 - RU Baker Hughes. Frac 4 stages. Flow well back. - Stage #4; GB6 sds. Test lines to 4930 psi. Open well w/ 1037 psi on casing. Broke @ 2430 psi back to 1752 psi. Treated @ ave pressure of 2330 @ ave rate of 44 bpm w/ 479 bbls of Lightning 17 frac fluid in 7% KCL wtr. Treated w/ 59,135# of 20/40 white sand @ 6 ppa. ISIP was 1866 w/ .87FG. 5 min was 1807. 10 min was 1788. 15 min was 1778. Leave pressure on well. 2066 Bbls EWTR. - RD Baker Hughes. Flow well back on 28/64 choke @ 3 bpm. Well flowed for 3 hours & died. 1766 Bbls EWTR (rec'd 300 bbls wtr). SIFN. - Stage #1; CP3, 1, .5 sds. Test lines to 5076 psi. Open well w/ 406 psi on casing. Broke @ 3746 psi back to 2215 psi. ISIP was 2032 psi, .80FG. 1 min was 1856. 4 min was 1695 psi. Spear head 6 bbls of 15% HCL (rec'd 800 psi drop when hit perfs). Treated @ ave pressure of 2703 @ ave rate of 45 bpm w/ 625 bbls of Lightning 17 frac fluid in 7% KCL wtr. Treated w/ 70,126# of 20/40 white sand @ 6 ppa. Spot 12 bbls of 15% HCL acid for next stage. ISIP was 2053 w/ .80FG. 5 min was 1928. 10 min was 1875. 15 min was 1856. Leave pressure on well. 777 Bbls EWTR. - RU WLT, crane & lubricator. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 2 spf. Set CFTP @ 5465'. Perferate A3 sds @ 5380-82', 75-77', 72-74', A1 sds @ 5332-34', B2 sds @ 5180-83' w/ ttl of 22 shots. - Stage #3; C & D1 sds. Test lines to 4925 psi. Open well w/ 1255 psi on casing. Broke @ 2462 psi back to 2040 psi. Treated @ ave pressure of 2330 @ ave rate of 30 bpm w/ 424 bbls of Lightning 17 frac fluid in 7% KCL wtr. Treated w/ 45,081# of 20/40 white sand @ 6 ppa. Spot 12 bbls of 15% HCL acid for next stage. ISIP was 1595 w/ .77FG. 5 min was 1464. 10 min was 1385. 15 min was 1331. Leave pressure on well. 1587 Bbls EWTR. - RU WLT, crane & lubricator. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 2 spf. Set CFTP @ 5140'. Perferate C sds @ 5092-96', D1 sds @ 4919-22' w/ ttl of 14 shots. - Stage #2; A3, 1, B2 sds. Test lines to 4930 psi. Open well w/ 1670 psi on casing. Broke @ 3917 psi back to 2246 psi. Treated @ ave pressure of 3447 @ ave rate of 25 bpm w/ 386 bbls of Lightning 17 frac fluid in 7% KCL wtr. Treated w/ 33,432# of 20/40 white sand @ 5 ppa. Cut sand by 16,568#'s due to high pressure. Spot 12 bbls of 15% HCL acid for next stage. ISIP was 1924 w/ .82FG. 5 min was 1655. 10 min was 1551. 15 min was 1478. Leave pressure on well. 1163 Bbls EWTR. - Held safety meeting & discussed location hazards, PPE policies, smoking area, stop work authority & procedures. Move in RU Baker Hughes frac crew. - RU WLT, crane & lubricator. RiH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120?,21" pen) 2 spf. Set CFTP @ 4520'. Perferate GB6 sds @ 4444-45', 4440-42', 4432-36', 4426-28', 4404-06' w/ ttl of 22 shots.

**Daily Cost:** \$0**Cumulative Cost:** \$128,384

**6/15/2013 Day: 3****Completion**

Rigless on 6/15/2013 - Set kill plug. RU BOP's. Test BOP's. - Held safety meeting & discussed location hazards & RU procedure. RD FMC frac valve. RU Knight (Scheafer) double set of 2-7/8" pipe rams w/ double 2-1/16" side valves & Washington rubber. Instal pup joint, TIW valve & hanger w/ TWCV. - RU S&S testers & dead head unit, test to 5000 psi for 5 min. Test voids on BOP's to 2000 psi for 5 min. Test all valves & pipe rams to 250 low for 5 min. 5000 psi high for 10 min. Pull pup joint & hanger. - Held safety meeting & discussed location hazards & RU procedure. Open well w/ 650 psi on well. RU perforators WLT & lubricator. RIH w/ 5-1/2" composite solid plug. Set plug @ 4250'. RD WLT.

**Daily Cost:** \$0**Cumulative Cost:** \$138,879**6/17/2013 Day: 4****Completion**

Nabors #1608 on 6/17/2013 - MIRUSU. TIH w/ tbg. Drlg out 2 plugs. - Unload tbg on racks. Tally, drift new 2-7/8", J-55, 8EUE, 6.5# tbg. - Held Safety meeting & discussed location hazards & JSA's. MIRUSU. - RU 4-3/4" used concave Chomp mill, XO sub, 1 jt tbg, SN, 165 jts tbg to tag plug @ 4250'. - RU swivel (RBS), tanks & pump. Drlg out plug in 15 min. TIH w/ tbg to tag fill @ 4397' (123' sand). C/O to plug @ 4520'. Drlg out plug in 10 min. No pressure under plug.

**Daily Cost:** \$0**Cumulative Cost:** \$187,953**6/18/2013 Day: 5****Completion**

Nabors #1608 on 6/18/2013 - PU tbg TIH drlg out plugs. C/O to PBTB. TIH w/ Production tbg. - TIH w/ tbg to tag 338' of sand. C/O to PBTB @ 6388'. Circulate 260 bbls. - Held safety meeting & discussed JSA's & location hazards. Open well w/ 150 psi on casing. RU pump, tanks & swivel. - LD 11 jts. TOOH w/ 192 jts. LD mill & XO sub. - Well came on flowing. Pump down casing. TIH w/ NC, 2 jts tbg. SN, 1 jt, TA new Cntrl Hydrlic 2 jts. Well came alive again. Pump down tbg. TIH w/ 8 more jts. Instal 6' pup jt. SIFN. - TIH w/ tbg to tag fill @ 5110' (30' sand) C/O to #2 plug @ 5140' Drlg @ 3 bpm @ 100 rpm w/ 15K WOB. Drlg threw plug in 25 min. TIH w/ tbg to tag sand C/O 320' of sand to #3 plug @ 5465'. Drlg plug in 20 min. Circulate well (well making lot of sand).

**Daily Cost:** \$0**Cumulative Cost:** \$267,135**6/19/2013 Day: 6****Completion**

Nabors #1608 on 6/19/2013 - Kill well. TIH w/ tbg. Insert disc. TIH w/ tbg. Set TA. TIH w/ pmp. Stack out on left over disc parts. - Continue TIH w/ 189 jts tbg, TA, SN, 2 jts, NC. - Pickup & prime pump (central hydraulic 2-1/2" x 1-1/2" x 20' x 21' x 24' new RHBC w/ 224"SL. TIH w/ 40- 7/8" 8per rods, 180- 3/ 4" 4per rods, 50- 7/8" 4per rds, 1-1/2" x 30' polish rod. Rods are stacked out on disc. SIFN. - Pump down tbg & shear disk @ 800 psi. Circulate 120 bbls 13% KCL. RD BOP's. Set TA Cntrl Hydrlic w/ 45,000# shear @ 5941' w/ 18,000#'s tension w/ SN @ 5975' & EOT @ 6040'. - Steam on rig. Pump 120 bbls 7% down casing. TIH w/ 3 std and well blew in. Pump 80 bbls down tbg. Instal disc in tbg. - Held safety meeting & dicussed steam off rig & location hazards. Open well w/ 500 psi on casing.

**Daily Cost:** \$0**Cumulative Cost:** \$277,309

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**6/20/2013 Day: 7****Completion**

Nabors #1608 on 6/20/2013 - TOOH w/ pump. Pump stuck open. TIH w/ swedge & jars. Nothing. TIH w/ drift & jars. - TIH w/ 2.35" drift & spanges Jars. Tag tight spot (5210'). SIFN. - TIH w/ pump. Tag same place w/ pump. - TOOH w/ pump. - TIH w/ 2' swedge & spanges. Didn't feel anything in tbg @ 5210'. Work up & down in area of tight spot. - Held safety meeting. Open well w/ psi. TOOH w/ pump & rods. Pump was stuck open.

**Daily Cost:** \$0**Cumulative Cost:** \$277,309

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**6/21/2013 Day: 8****Completion**

Nabors #1608 on 6/21/2013 - Drift tbg. TOOH w/ rods. TIH w/ pump. Finish PU rods. Space pump. Hang head. RDMOSU. Put well on production @ 7PM w/ 1587 bbls EWTR. - POP @ 7PM w/ 144"SL @ 5 spm w/ 1587 bbls EWTR. RDMOSU. Stream rig off. - Pickup & prime pump (central hydraulic 2-1/2" x 1-1/2" x 20' x 21' x 24' new RHBC w/ 224"SL. TIH w/ 40- 7/8" 8per rods, 118- 3/4" 4per rods, 79- 7/8' 4per rods, 2', 4', 6' x 7/8" pony rods, 1-1/2" x 30' polish rod, 2' x 7/8" pony rod. Space out pump. Test tbg & pump to 800 psi w/ unit. - RU Hot oiler & 40 bbls water @ 300 psi. - Held safety meeting & discussed working rods & JSA's. Work drift threw disk @ 5210'. - TOOH w/ 219 rods. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$292,058

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**Pertinent Files: Go to File List**