

**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 U-35-8-15
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> GMBU (GRRV)
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY		<b>7. OPERATOR PHONE</b> 435 646-4825
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-74826	<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"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	839 FNL 663 FWL	NWNW	1	9.0 S	15.0 E	S
Top of Uppermost Producing Zone	291 FNL 207 FWL	NWNW	1	9.0 S	15.0 E	S
At Total Depth	278 FSL 243 FEL	SESE	35	8.0 S	15.0 E	S

<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 243	<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> 664	<b>26. PROPOSED DEPTH</b> MD: 6538 TVD: 6350	
<b>27. ELEVATION - GROUND LEVEL</b> 5911	<b>28. BOND NUMBER</b> WYB000493	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478

**Hole, Casing, and Cement Information**

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6538	15.5	J-55 LT&C	8.3	Premium Lite High Strength	314	3.26	11.0
							50/50 Poz	363	1.24	14.3

**ATTACHMENTS**

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

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

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 12/13/2011	<b>EMAIL</b> mcrozier@newfield.com

<b>API NUMBER ASSIGNED</b> 43013511190000	<b>APPROVAL</b>  Permit Manager
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NEWFIELD PRODUCTION COMPANY  
 GMBU U-35-8-15  
 AT SURFACE: NW/NW (LOT #4) SECTION 1, T9S R15E  
 DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1655'
Green River	1655'
Wasatch	6285'
<b>Proposed TD</b>	<b>6538'</b>

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

Green River Formation (Oil)	1655' – 6285'
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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 U-35-8-15**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,538'	15.5	J-55	LTC	4,810 2.31	4,040 1.94	217,000 2.14

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 U-35-8-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,538'	Prem Lite II w/ 10% gel + 3% KCl	314	30%	11.0	3.26
			1022			
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

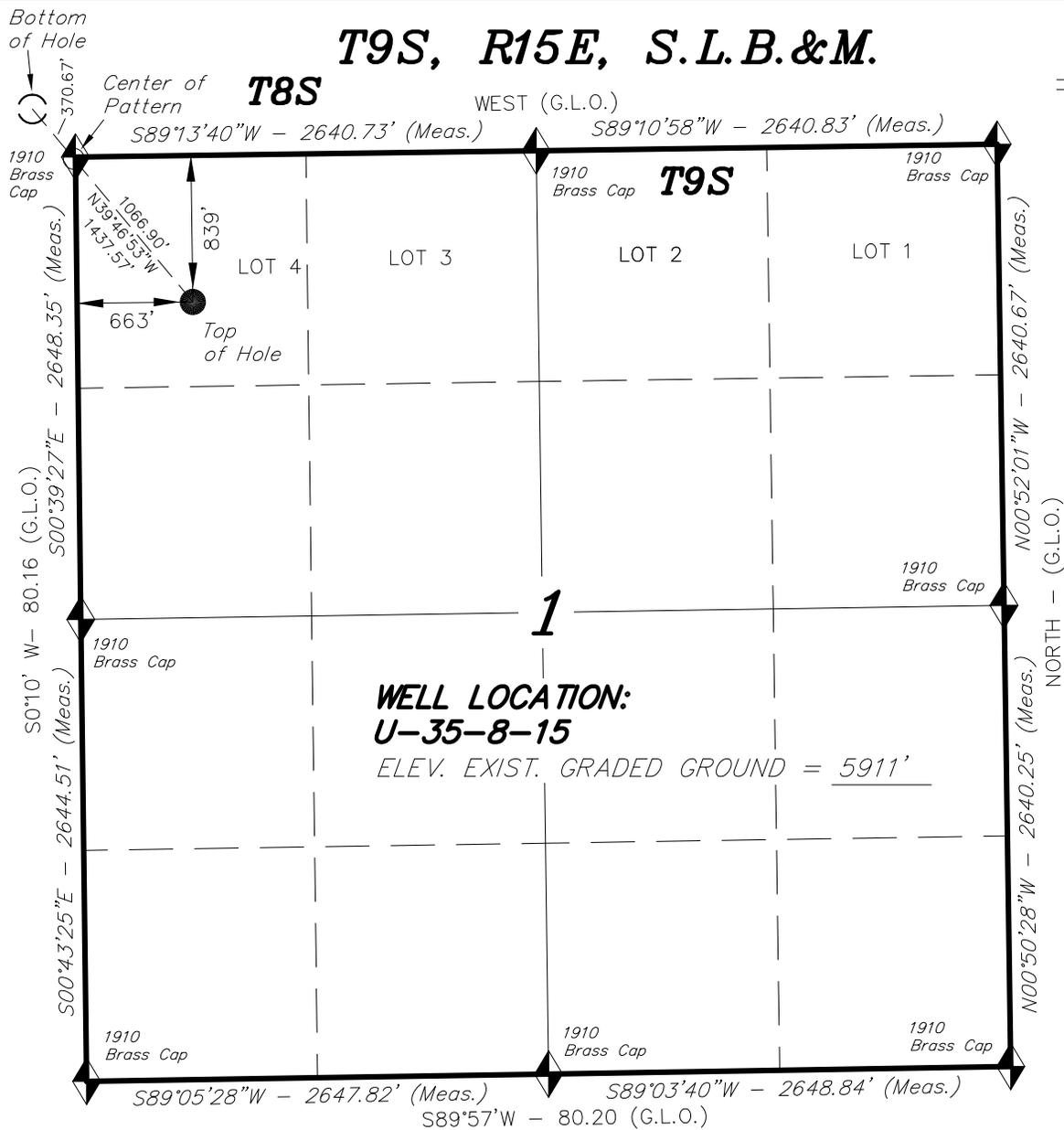
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

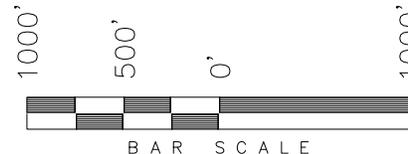
It is anticipated that the drilling operations will commence the second quarter of 2012, and take approximately seven (7) days from spud to rig release.

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

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, U-35-8-15, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 (LOT 4) OF SECTION 1, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

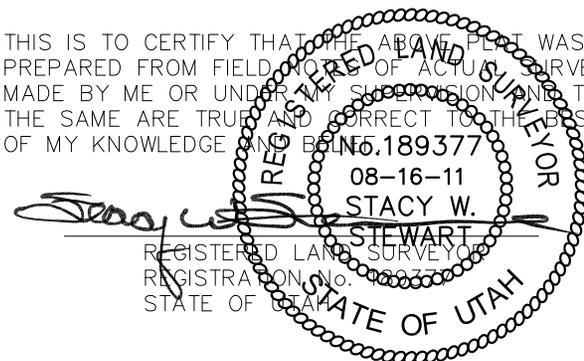


**NOTES:**

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



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



◆ = SECTION CORNERS LOCATED

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

**U-35-8-15**  
 (Surface Location) NAD 83  
 LATITUDE =  $40^{\circ}03'53.67''$   
 LONGITUDE =  $110^{\circ}11'15.17''$

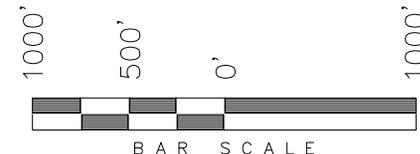
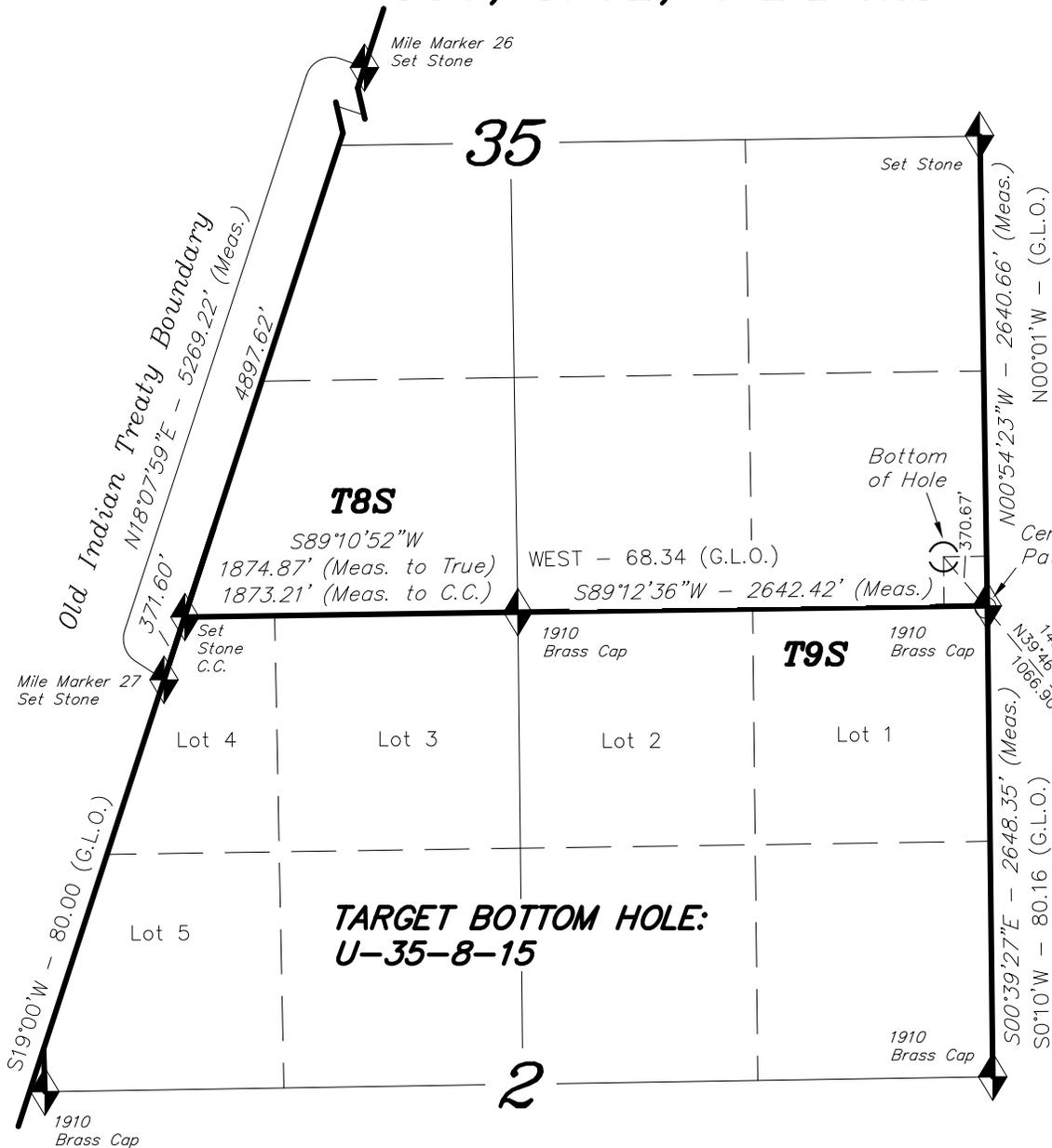
**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 7-21-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 08-11-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

**T8S, R15E, S.L.B.&M.**

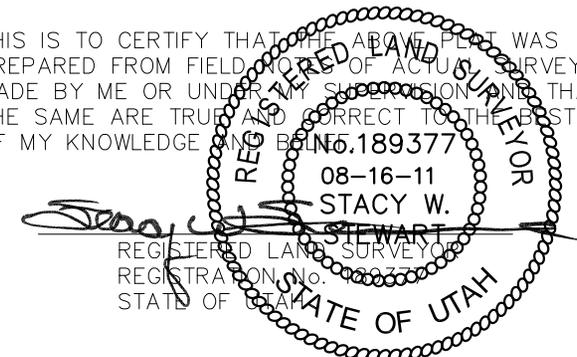
**NEWFIELD EXPLORATION COMPANY**

TARGET BOTTOM HOLE, U-35-8-15,  
 LOCATED AS SHOWN IN THE SE 1/4  
 SE 1/4 OF SECTION 35, T8S, R15E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings are based on Global Positioning Satellite observations.
  3. The Center of Pattern footages are 10' FNL & 10' FEL of Section 2, T9S, R15E, S.L.B.&M.
  3. The Bottom of Hole footages are 278' FSL & 243' FEL of Section 35, T8S, R15E, S.L.B.&M.

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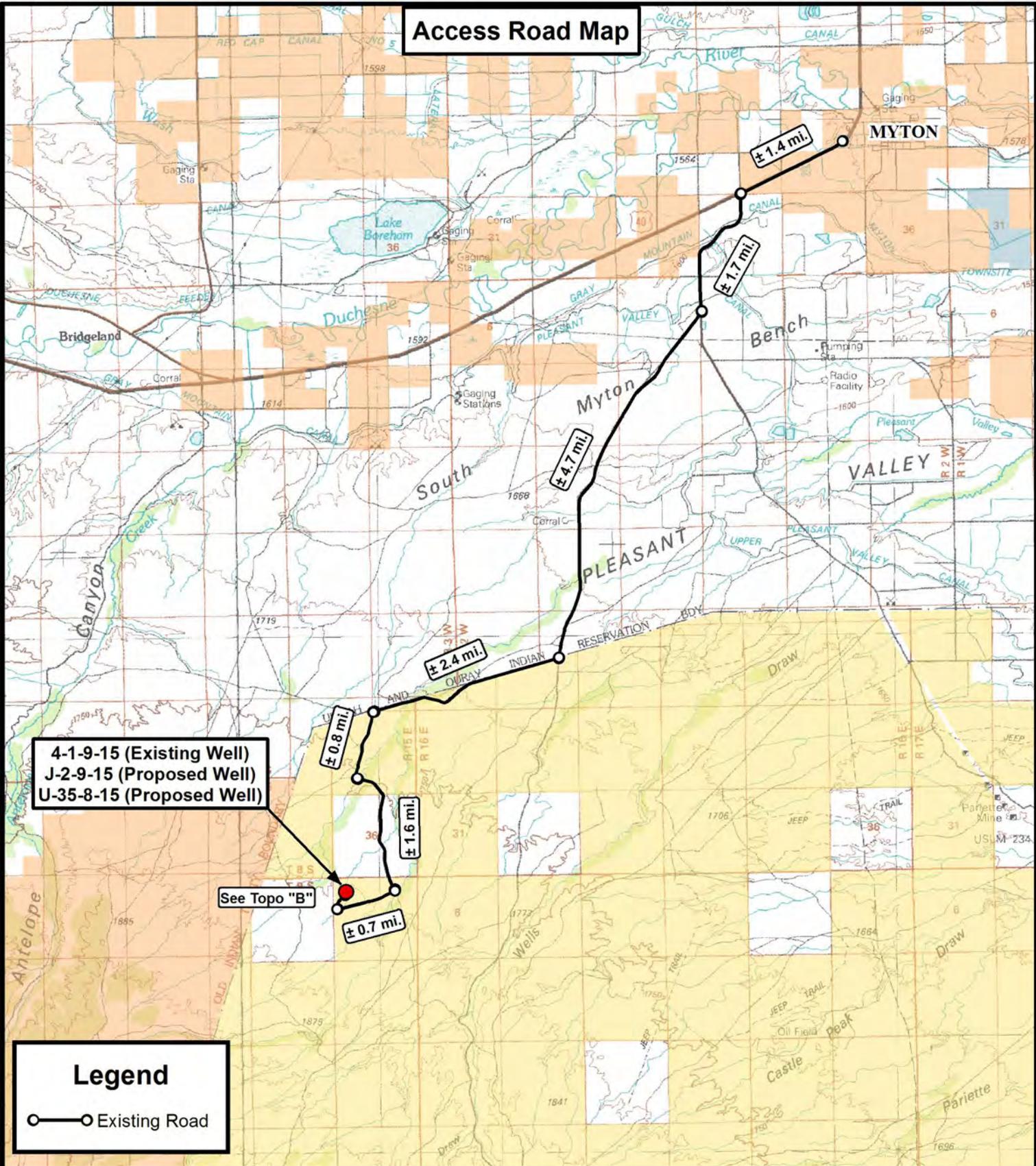


<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>		
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078		
(435) 781-2501		
DATE SURVEYED: 7-21-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 08-10-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

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'

◆ = SECTION CORNERS LOCATED

**Access Road Map**



4-1-9-15 (Existing Well)  
 J-2-9-15 (Proposed Well)  
 U-35-8-15 (Proposed Well)

See Topo "B"

**Legend**

○—○ Existing Road

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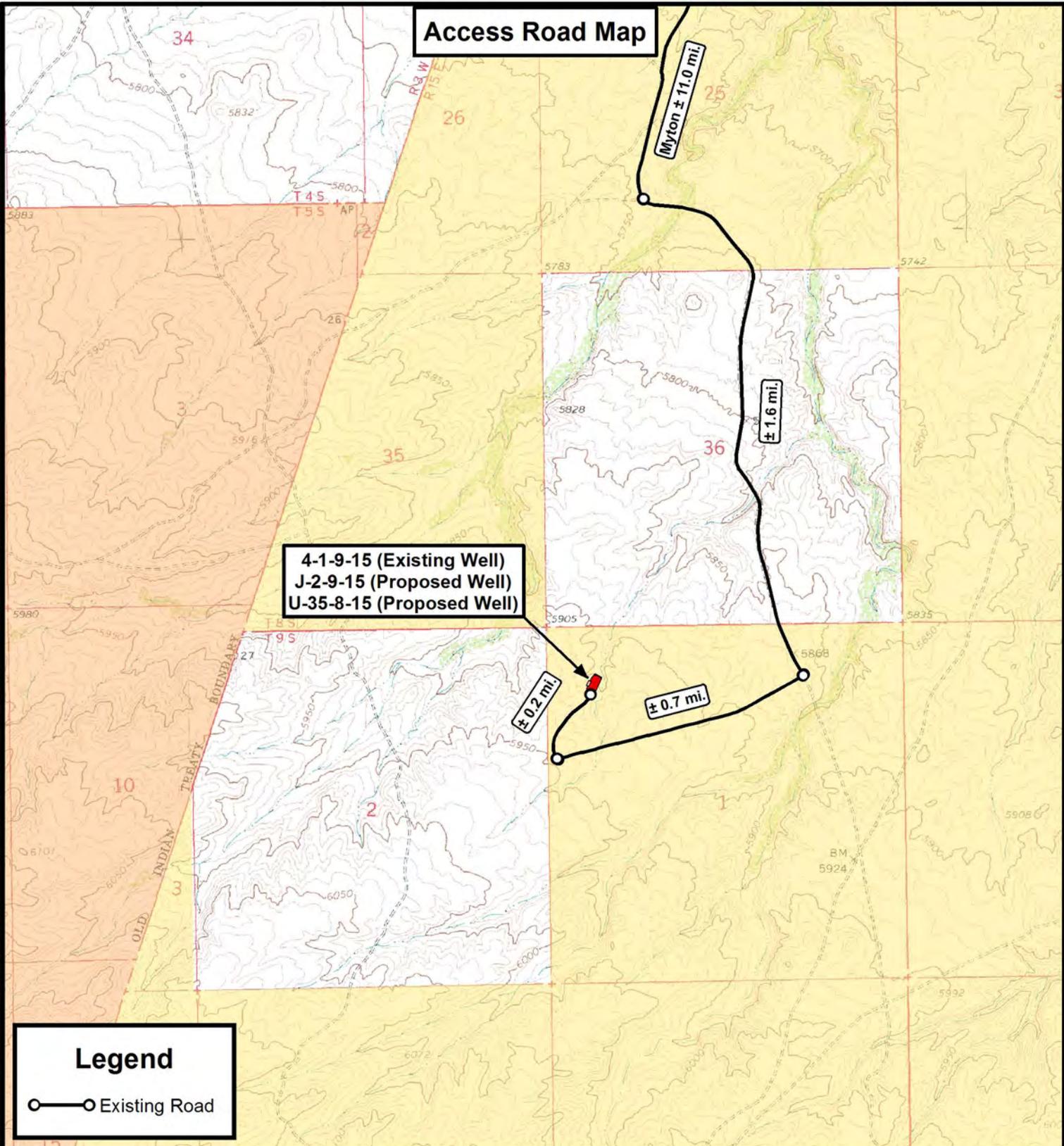
4-1-9-15 (Existing Well)  
 J-2-9-15 (Proposed Well)  
 U-35-8-15 (Proposed Well)  
 SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	08-02-2011		<b>V1</b>
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



4-1-9-15 (Existing Well)  
 J-2-9-15 (Proposed Well)  
 U-35-8-15 (Proposed Well)

**Legend**

○—○ Existing Road

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

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**NEWFIELD EXPLORATION COMPANY**

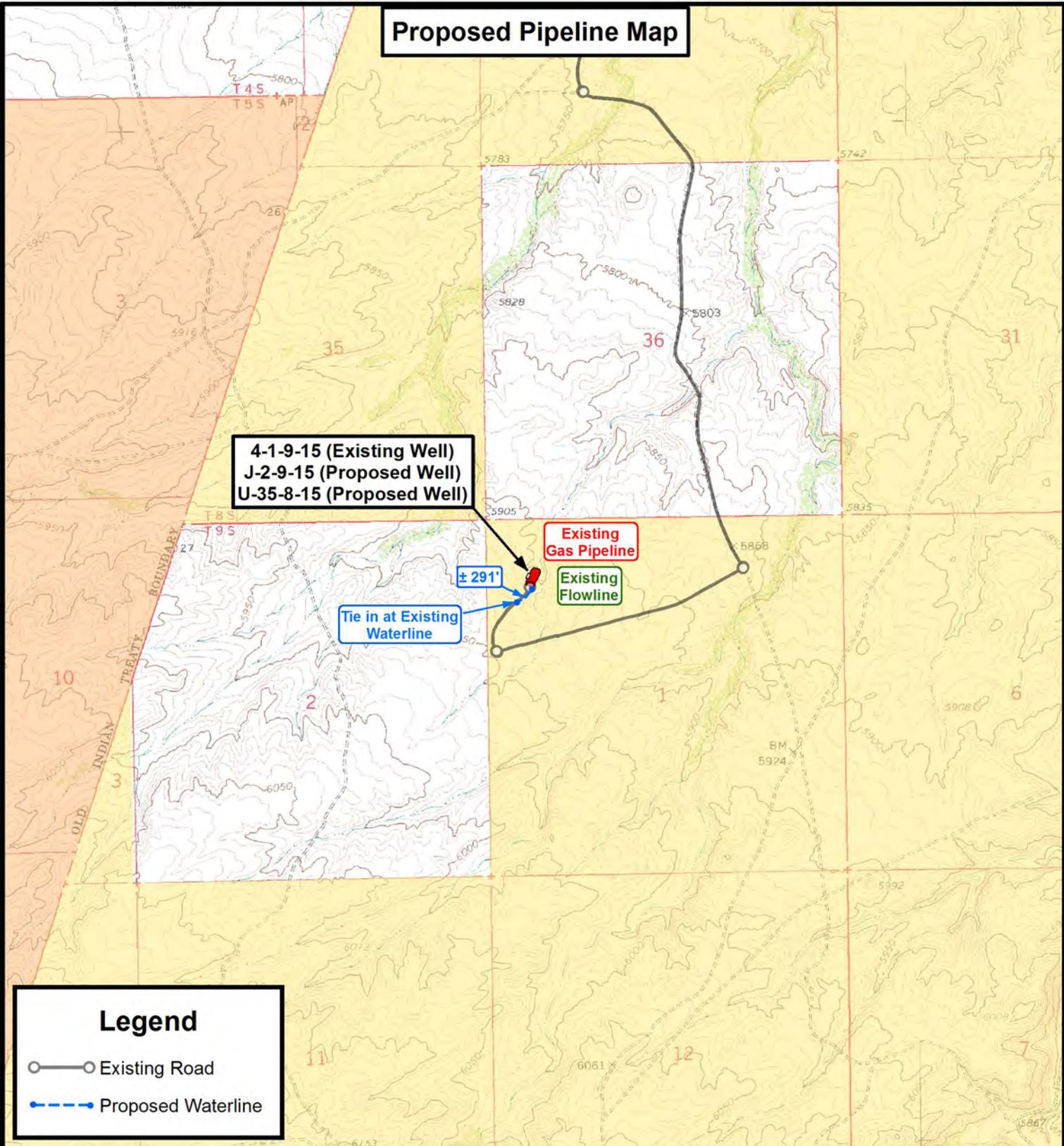
4-1-9-15 (Existing Well)  
 J-2-9-15 (Proposed Well)  
 U-35-8-15 (Proposed Well)  
 SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	08-02-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



**Legend**

- Existing Road
- Proposed Waterline

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DATE: 08-02-2011		V1
SCALE: 1" = 2,000'		



**NEWFIELD EXPLORATION COMPANY**

4-1-9-15 (Existing Well)  
 J-2-9-15 (Proposed Well)  
 U-35-8-15 (Proposed Well)

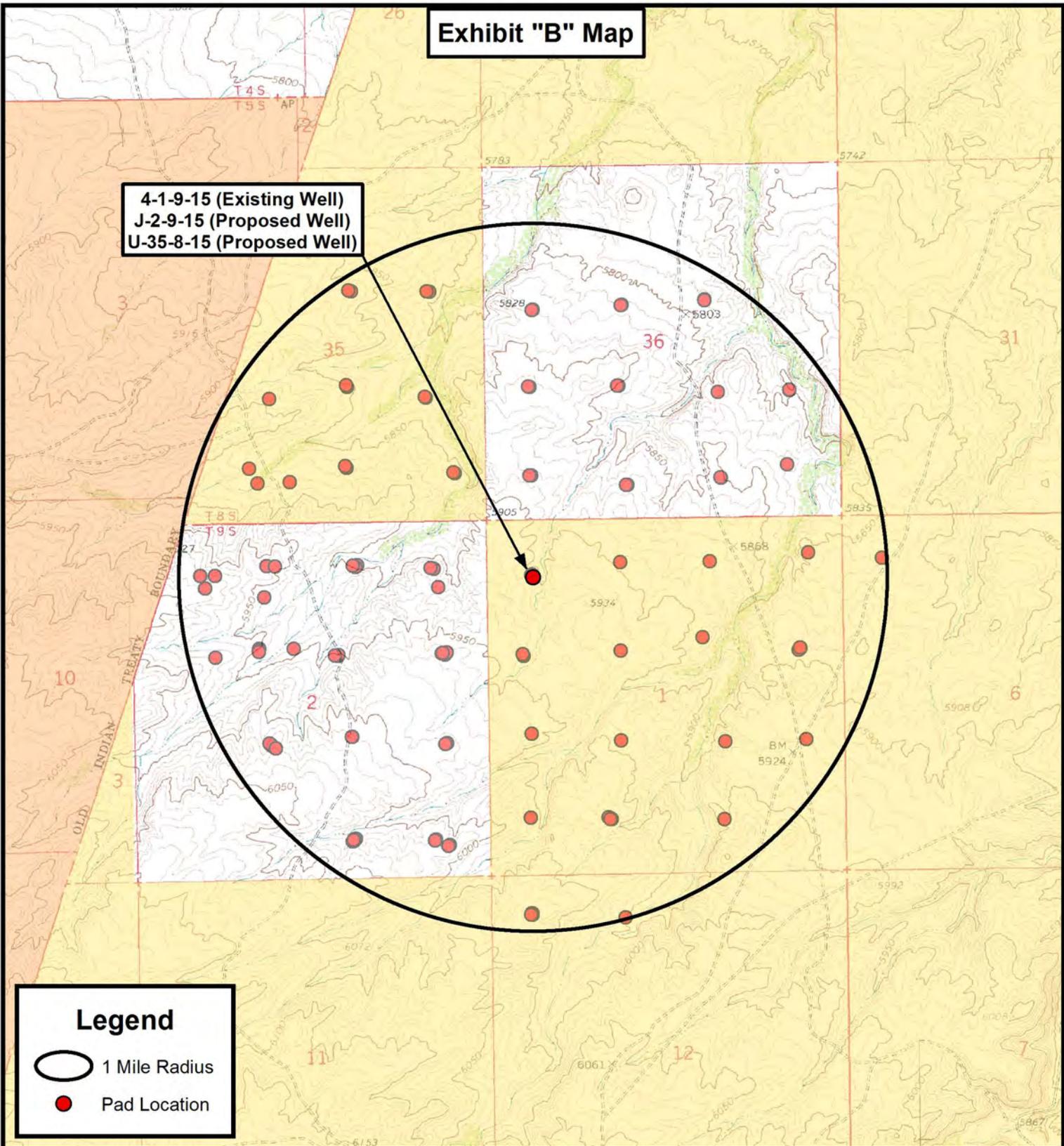
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **C**

**Exhibit "B" Map**

**4-1-9-15 (Existing Well)  
J-2-9-15 (Proposed Well)  
U-35-8-15 (Proposed Well)**



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**NEWFIELD EXPLORATION COMPANY**

**4-1-9-15 (Existing Well)  
J-2-9-15 (Proposed Well)  
U-35-8-15 (Proposed Well)**  
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	08-02-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 1**

**U-35-8-15**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**15 August, 2011**





<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well U-35-8-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Site:</b>	SECTION 1	<b>North Reference:</b>	True
<b>Well:</b>	U-35-8-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 1, SEC 1 T9S R15E				
<b>Site Position:</b>		<b>Northing:</b>	7,193,438.05 ft	<b>Latitude:</b>	40° 3' 37.338 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,009,700.00 ft	<b>Longitude:</b>	110° 10' 50.033 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.85 °

<b>Well</b>	U-35-8-15, SHL LAT: 40 03 53.67 LONG: -110 11 15.17					
<b>Well Position</b>	<b>+N/-S</b>	1,652.4 ft	<b>Northing:</b>	7,195,061.61 ft	<b>Latitude:</b>	40° 3' 53.670 N
	<b>+E/-W</b>	-1,954.4 ft	<b>Easting:</b>	2,007,721.60 ft	<b>Longitude:</b>	110° 11' 15.170 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,923.0 ft	<b>Ground Level:</b>	5,911.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2011/08/15	11.35	65.78	52,244

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	5,000.0	0.0	0.0	320.22

<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	
1,623.7	15.36	320.22	1,611.5	104.8	-87.3	1.50	1.50	0.00	320.22	
5,137.7	15.36	320.22	5,000.0	819.9	-682.6	0.00	0.00	0.00	0.00	U-35-8-15 TGT
6,537.6	15.36	320.22	6,350.0	1,104.8	-919.8	0.00	0.00	0.00	0.00	



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well U-35-8-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Site:</b>	SECTION 1	<b>North Reference:</b>	True
<b>Well:</b>	U-35-8-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	320.22	700.0	1.0	-0.8	1.3	1.50	1.50	0.00
800.0	3.00	320.22	799.9	4.0	-3.3	5.2	1.50	1.50	0.00
900.0	4.50	320.22	899.7	9.0	-7.5	11.8	1.50	1.50	0.00
1,000.0	6.00	320.22	999.3	16.1	-13.4	20.9	1.50	1.50	0.00
1,100.0	7.50	320.22	1,098.6	25.1	-20.9	32.7	1.50	1.50	0.00
1,200.0	9.00	320.22	1,197.5	36.1	-30.1	47.0	1.50	1.50	0.00
1,300.0	10.50	320.22	1,296.1	49.2	-40.9	64.0	1.50	1.50	0.00
1,400.0	12.00	320.22	1,394.2	64.1	-53.4	83.5	1.50	1.50	0.00
1,500.0	13.50	320.22	1,491.7	81.1	-67.5	105.5	1.50	1.50	0.00
1,600.0	15.00	320.22	1,588.6	100.0	-83.3	130.2	1.50	1.50	0.00
1,623.7	15.36	320.22	1,611.5	104.8	-87.3	136.4	1.50	1.50	0.00
1,700.0	15.36	320.22	1,685.1	120.3	-100.2	156.6	0.00	0.00	0.00
1,800.0	15.36	320.22	1,781.5	140.7	-117.1	183.0	0.00	0.00	0.00
1,900.0	15.36	320.22	1,877.9	161.0	-134.1	209.5	0.00	0.00	0.00
2,000.0	15.36	320.22	1,974.4	181.4	-151.0	236.0	0.00	0.00	0.00
2,100.0	15.36	320.22	2,070.8	201.7	-168.0	262.5	0.00	0.00	0.00
2,200.0	15.36	320.22	2,167.2	222.1	-184.9	289.0	0.00	0.00	0.00
2,300.0	15.36	320.22	2,263.6	242.4	-201.8	315.4	0.00	0.00	0.00
2,400.0	15.36	320.22	2,360.1	262.8	-218.8	341.9	0.00	0.00	0.00
2,500.0	15.36	320.22	2,456.5	283.1	-235.7	368.4	0.00	0.00	0.00
2,600.0	15.36	320.22	2,552.9	303.5	-252.7	394.9	0.00	0.00	0.00
2,700.0	15.36	320.22	2,649.4	323.8	-269.6	421.4	0.00	0.00	0.00
2,800.0	15.36	320.22	2,745.8	344.2	-286.6	447.9	0.00	0.00	0.00
2,900.0	15.36	320.22	2,842.2	364.5	-303.5	474.3	0.00	0.00	0.00
3,000.0	15.36	320.22	2,938.7	384.9	-320.4	500.8	0.00	0.00	0.00
3,100.0	15.36	320.22	3,035.1	405.2	-337.4	527.3	0.00	0.00	0.00
3,200.0	15.36	320.22	3,131.5	425.6	-354.3	553.8	0.00	0.00	0.00
3,300.0	15.36	320.22	3,227.9	445.9	-371.3	580.3	0.00	0.00	0.00
3,400.0	15.36	320.22	3,324.4	466.3	-388.2	606.7	0.00	0.00	0.00
3,500.0	15.36	320.22	3,420.8	486.6	-405.2	633.2	0.00	0.00	0.00
3,600.0	15.36	320.22	3,517.2	507.0	-422.1	659.7	0.00	0.00	0.00
3,700.0	15.36	320.22	3,613.7	527.3	-439.0	686.2	0.00	0.00	0.00
3,800.0	15.36	320.22	3,710.1	547.7	-456.0	712.7	0.00	0.00	0.00
3,900.0	15.36	320.22	3,806.5	568.0	-472.9	739.1	0.00	0.00	0.00
4,000.0	15.36	320.22	3,903.0	588.4	-489.9	765.6	0.00	0.00	0.00
4,100.0	15.36	320.22	3,999.4	608.7	-506.8	792.1	0.00	0.00	0.00
4,200.0	15.36	320.22	4,095.8	629.1	-523.8	818.6	0.00	0.00	0.00
4,300.0	15.36	320.22	4,192.2	649.4	-540.7	845.1	0.00	0.00	0.00
4,400.0	15.36	320.22	4,288.7	669.8	-557.7	871.6	0.00	0.00	0.00
4,500.0	15.36	320.22	4,385.1	690.1	-574.6	898.0	0.00	0.00	0.00
4,600.0	15.36	320.22	4,481.5	710.5	-591.5	924.5	0.00	0.00	0.00
4,700.0	15.36	320.22	4,578.0	730.8	-608.5	951.0	0.00	0.00	0.00
4,800.0	15.36	320.22	4,674.4	751.2	-625.4	977.5	0.00	0.00	0.00
4,900.0	15.36	320.22	4,770.8	771.5	-642.4	1,004.0	0.00	0.00	0.00
5,000.0	15.36	320.22	4,867.3	791.9	-659.3	1,030.4	0.00	0.00	0.00
5,100.0	15.36	320.22	4,963.7	812.2	-676.3	1,056.9	0.00	0.00	0.00
5,137.7	15.36	320.22	5,000.0	819.9	-682.6	1,066.9	0.00	0.00	0.00



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well U-35-8-15
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	U-35-8-15 @ 5923.0ft (Original Well Elev)
<b>Site:</b>	SECTION 1	<b>North Reference:</b>	True
<b>Well:</b>	U-35-8-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,200.0	15.36	320.22	5,060.1	832.6	-693.2	1,083.4	0.00	0.00	0.00	
5,300.0	15.36	320.22	5,156.5	853.0	-710.1	1,109.9	0.00	0.00	0.00	
5,400.0	15.36	320.22	5,253.0	873.3	-727.1	1,136.4	0.00	0.00	0.00	
5,500.0	15.36	320.22	5,349.4	893.7	-744.0	1,162.8	0.00	0.00	0.00	
5,600.0	15.36	320.22	5,445.8	914.0	-761.0	1,189.3	0.00	0.00	0.00	
5,700.0	15.36	320.22	5,542.3	934.4	-777.9	1,215.8	0.00	0.00	0.00	
5,800.0	15.36	320.22	5,638.7	954.7	-794.9	1,242.3	0.00	0.00	0.00	
5,900.0	15.36	320.22	5,735.1	975.1	-811.8	1,268.8	0.00	0.00	0.00	
6,000.0	15.36	320.22	5,831.6	995.4	-828.8	1,295.2	0.00	0.00	0.00	
6,100.0	15.36	320.22	5,928.0	1,015.8	-845.7	1,321.7	0.00	0.00	0.00	
6,200.0	15.36	320.22	6,024.4	1,036.1	-862.6	1,348.2	0.00	0.00	0.00	
6,300.0	15.36	320.22	6,120.8	1,056.5	-879.6	1,374.7	0.00	0.00	0.00	
6,400.0	15.36	320.22	6,217.3	1,076.8	-896.5	1,401.2	0.00	0.00	0.00	
6,500.0	15.36	320.22	6,313.7	1,097.2	-913.5	1,427.7	0.00	0.00	0.00	
6,537.6	15.36	320.22	6,350.0	1,104.8	-919.8	1,437.6	0.00	0.00	0.00	



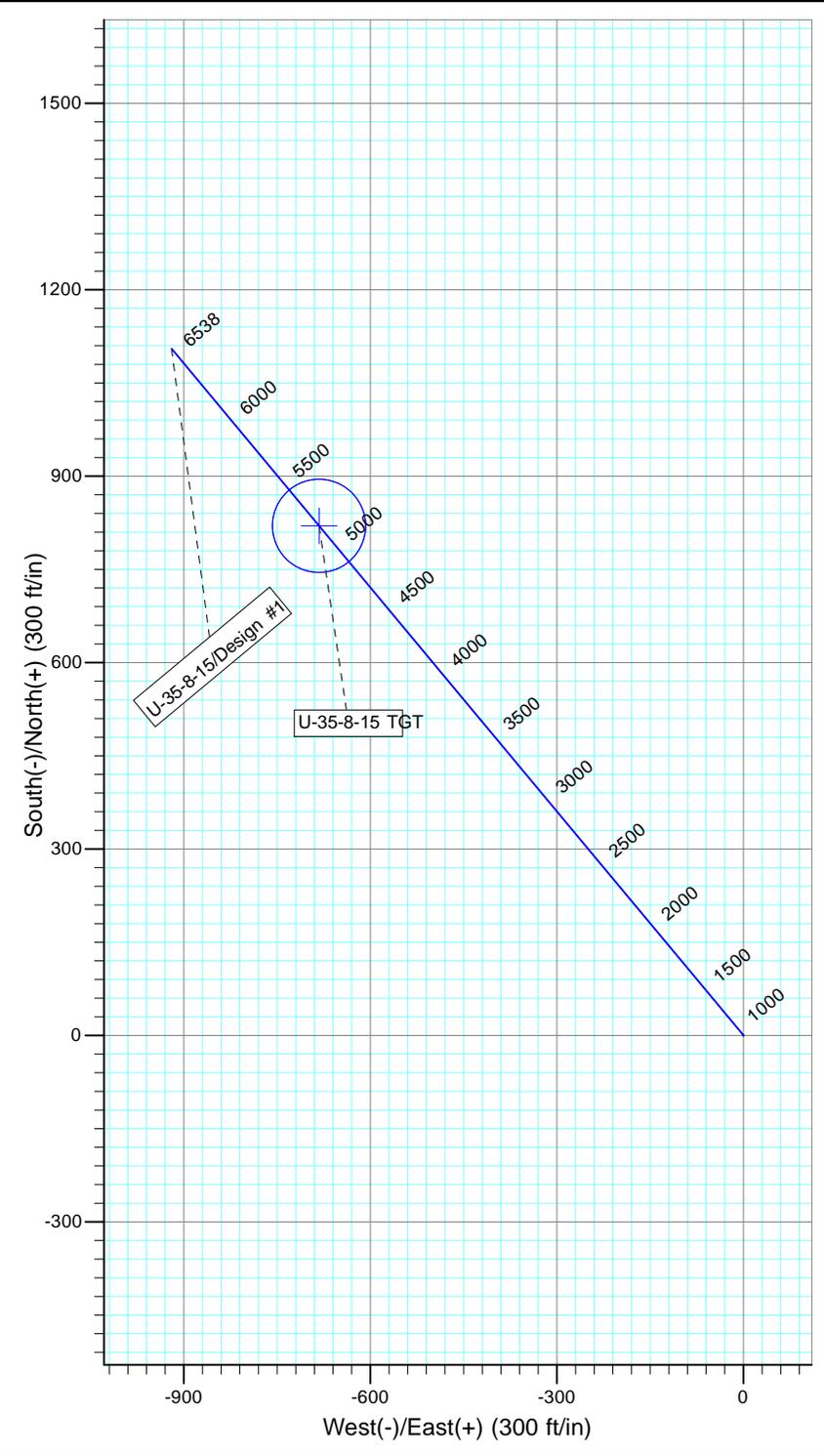
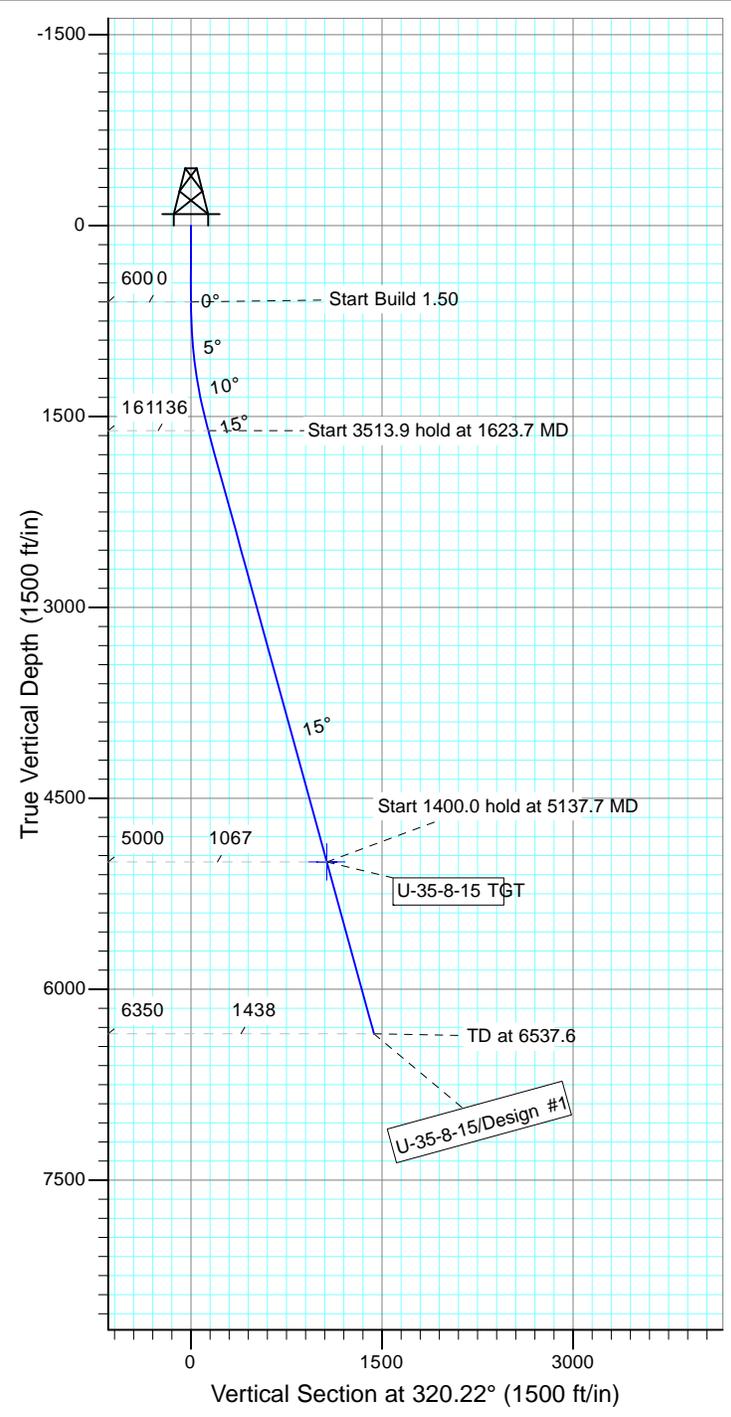
Project: USGS Myton SW (UT)  
 Site: SECTION 1  
 Well: U-35-8-15  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.34°

Magnetic Field  
 Strength: 52243.8snT  
 Dip Angle: 65.78°  
 Date: 2011/08/15  
 Model: IGRF2010

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



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
U-35-8-15 TGT	5000.0	819.9	-682.6	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	1623.7	15.36	320.22	1611.5	104.8	-87.3	1.50	320.22	136.4	
4	5137.7	15.36	320.22	5000.0	819.9	-682.6	0.00	0.00	1066.9	U-35-8-15 TGT
5	6537.6	15.36	320.22	6350.0	1104.8	-919.8	0.00	0.00	1437.6	



**NEWFIELD PRODUCTION COMPANY  
GMBU U-35-8-15  
AT SURFACE: NW/NW (LOT #4) SECTION 1, T9S R15E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU U-35-8-15 located in the NW 1/4 NW 1/4 Section 1, T9S R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction – 6.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 0.8 miles  $\pm$  to it's junction with an existing road to the east; proceed in a southeasterly direction – 1.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 0.7 miles  $\pm$  to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 0.2 miles  $\pm$  to the existing 4-1-9-15 well location.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 4-1-9-15 well pad. See attached **Topographic Map "B"**.

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

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

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

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-11-MQ-0848b,s 9/30/11, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, SWCA, 10/20/11. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 291' of buried water line to be granted in Lease UTU-74826.

It is proposed that the disturbed area will be 30' wide to allow for construction of a proposed buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. Both the proposed surface flow line and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface flow lines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines and proposed flow line will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

For a ROW plan of development, please refer to the Greater Monument Butte Green River Development SOP and as well as the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

#### **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 U-35-8-15 was on-sited on 10/26/11. The following were present; Tim Eaton (Newfield Production), Christine Cimiluca (Bureau of Land Management), and Suzanne Grayson (Bureau of Land Management).

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU U-35-8-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU U-35-8-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Certification

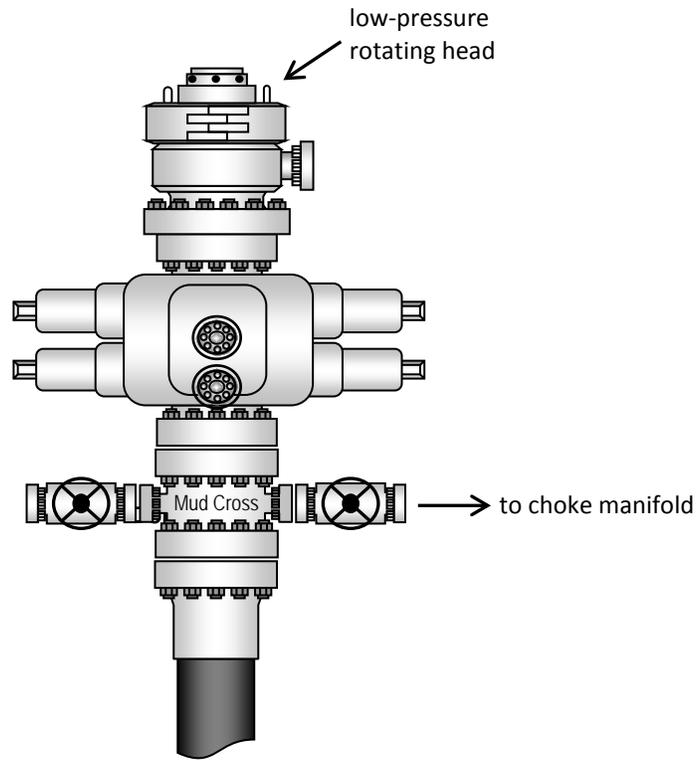
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #U-35-8-15, Section 1, Township 9S, Range 15E: Lease UTU-74826 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

12/12/11  
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

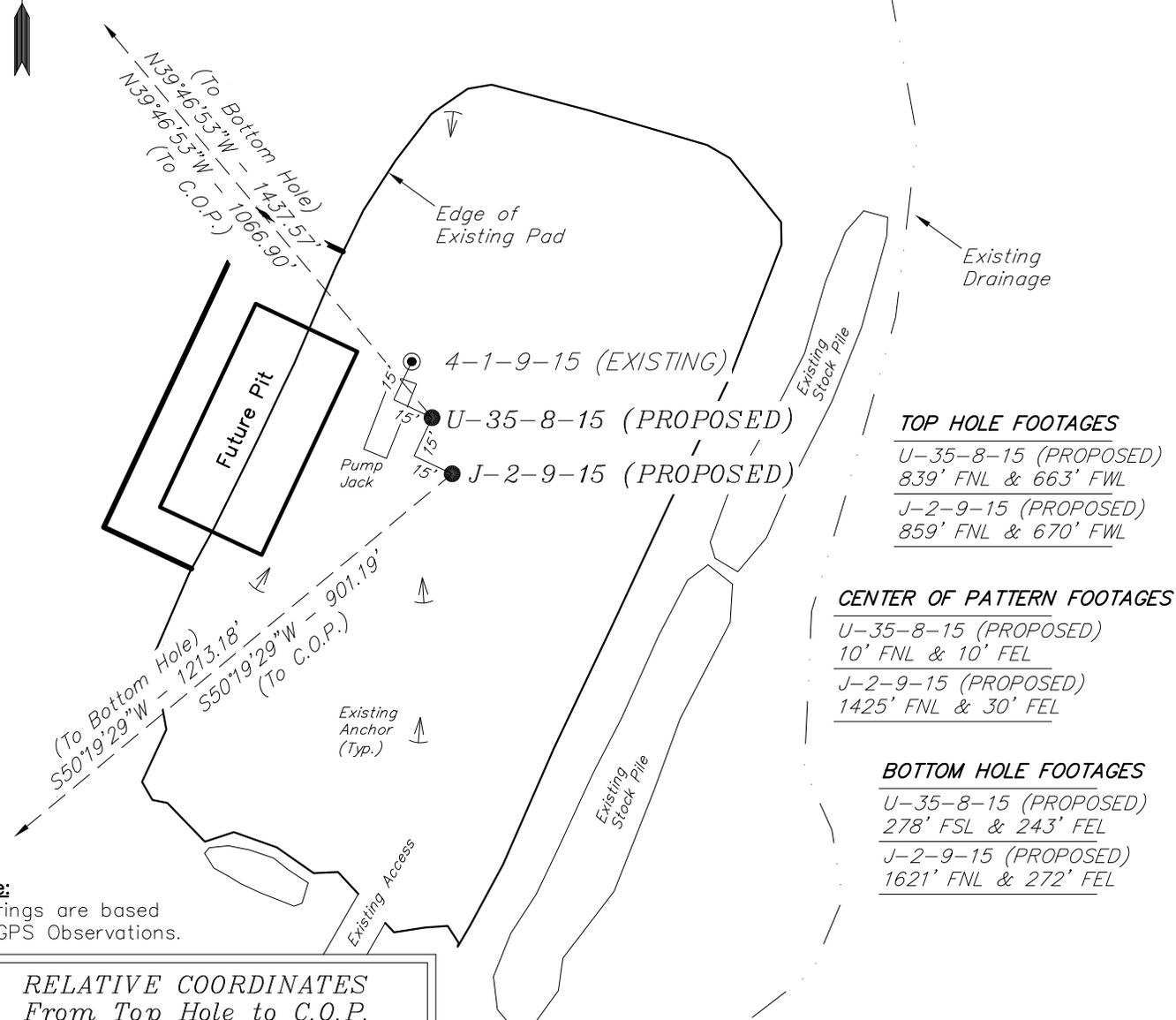
## WELL PAD INTERFERENCE PLAT

4-1-9-15 (Existing Well)

U-35-8-15 (Proposed Well)

J-2-9-15 (Proposed Well)

Pad Location: NWNW (Lot 4) Section 1, T9S, R15E, S.L.B.&M.



**TOP HOLE FOOTAGES**

- U-35-8-15 (PROPOSED)  
839' FNL & 663' FWL
- J-2-9-15 (PROPOSED)  
859' FNL & 670' FWL

**CENTER OF PATTERN FOOTAGES**

- U-35-8-15 (PROPOSED)  
10' FNL & 10' FEL
- J-2-9-15 (PROPOSED)  
1425' FNL & 30' FEL

**BOTTOM HOLE FOOTAGES**

- U-35-8-15 (PROPOSED)  
278' FSL & 243' FEL
- J-2-9-15 (PROPOSED)  
1621' FNL & 272' FEL

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

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

WELL	NORTH	EAST
U-35-8-15	820'	-683'
J-2-9-15	-575'	-694'

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

WELL	NORTH	EAST
U-35-8-15	1,105'	-920'
J-2-9-15	-775'	-934'

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

WELL	LATITUDE	LONGITUDE
4-1-9-15	40° 03' 53.87"	110° 11' 15.26"
U-35-8-15	40° 03' 53.67"	110° 11' 15.17"
J-2-9-15	40° 03' 53.47"	110° 11' 15.08"

SURVEYED BY: K.S.	DATE SURVEYED: 7-21-11	VERSION: V1
DRAWN BY: M.W.	DATE DRAWN: 08-10-11	
SCALE: 1" = 60'	REVISED:	

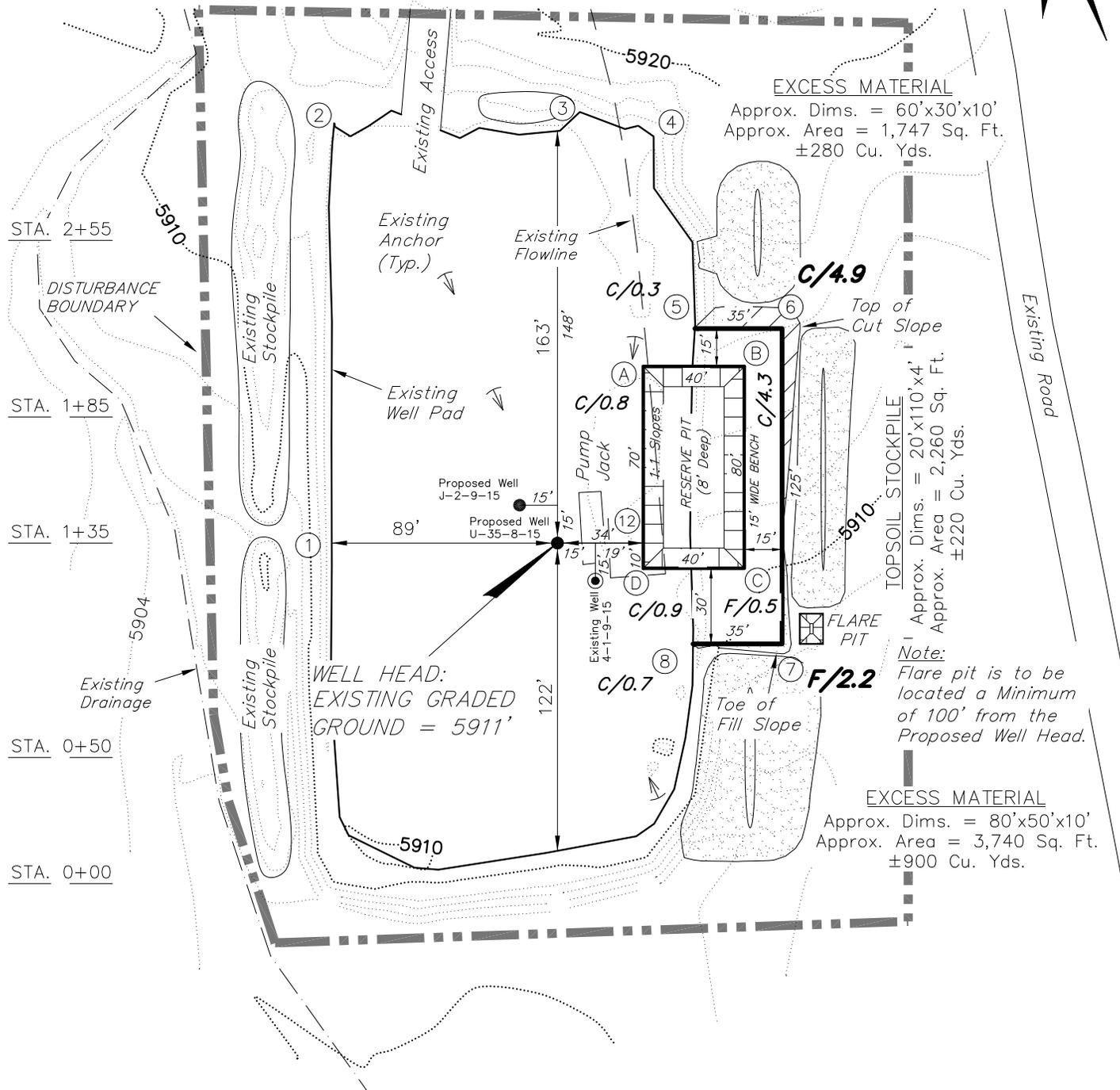
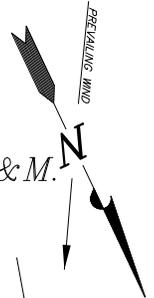
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

- 4-1-9-15 (Existing Well)
- U-35-8-15 (Proposed Well)
- J-2-9-15 (Proposed Well)

Pad Location: NWNW (Lot 4) Section 1, T9S, R15E, S.L.B.&M.



NOTE:  
The topsoil & excess material areas are calculated as being mounds containing 1,400 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

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

SURVEYED BY: K.S.	DATE SURVEYED: 07-21-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 08-03-11	V1
SCALE: 1" = 60'	REVISED:	

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

**RECEIVED: December 13, 2011**

# NEWFIELD EXPLORATION COMPANY

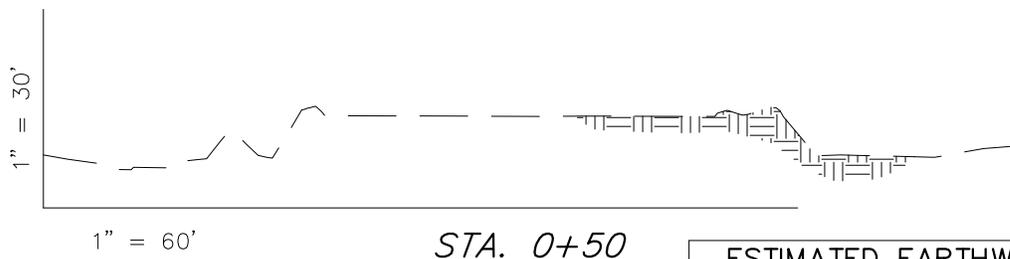
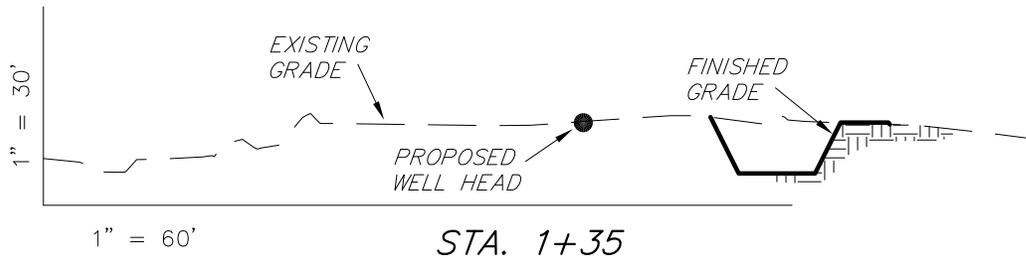
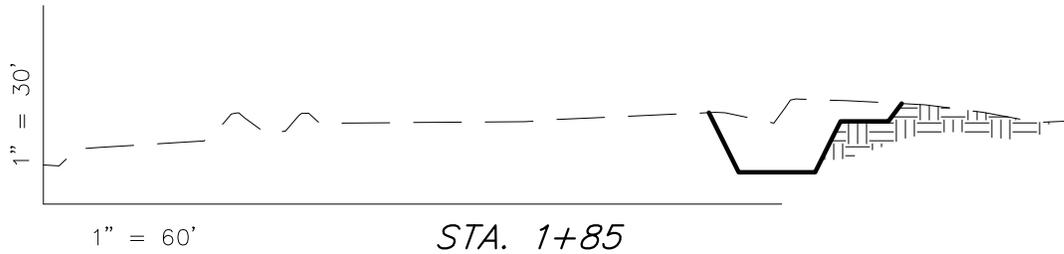
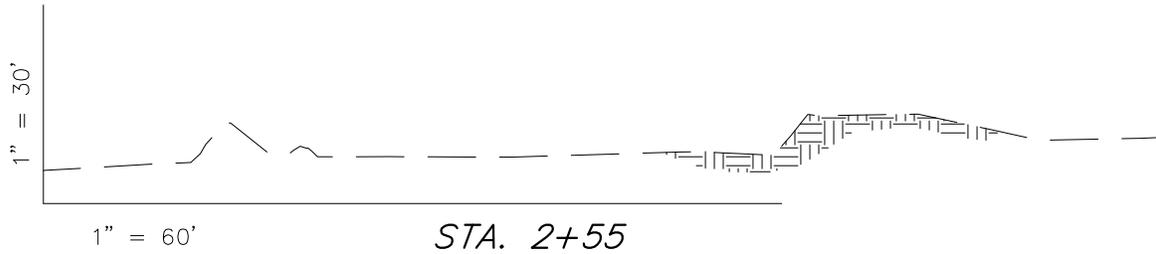
## CROSS SECTIONS

4-1-9-15 (Existing Well)

U-35-8-15 (Proposed Well)

J-2-9-15 (Proposed Well)

Pad Location: NWNW (Lot 4) Section 1, T9S, R15E, S.L.B.&M.



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	420	40	Topsoil is not included in Pad Cut	380
PIT	690	0		690
<b>TOTALS</b>	<b>1,110</b>	<b>40</b>	<b>200</b>	<b>1,070</b>

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

SURVEYED BY: K.S.	DATE SURVEYED: 07-21-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 08-03-11	V1
SCALE: 1" = 60'	REVISED:	

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

(435) 781-2501

RECEIVED: December 13, 2011



# 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)

December 14, 2011

Memorandum

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

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

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51114	GMBU L-6-9-16	Sec 06 T09S R16E 1973 FNL 0672 FEL BHL Sec 06 T09S R16E 2347 FSL 1472 FEL
43-013-51115	GMBU M-6-9-16	Sec 06 T09S R16E 1832 FSL 1853 FEL BHL Sec 06 T09S R16E 2586 FNL 2311 FWL
43-013-51117	GMBU R-6-9-16	Sec 06 T09S R16E 1811 FSL 1857 FEL BHL Sec 06 T09S R16E 1174 FSL 2401 FWL
43-013-51118	GMBU Q-6-9-16	Sec 06 T09S R16E 1946 FSL 1737 FWL BHL Sec 06 T09S R16E 1149 FSL 1118 FWL
43-013-51119	GMBU U-35-8-15	Sec 01 T09S R15E 0839 FNL 0663 FWL BHL Sec 35 T08S R15E 0278 FSL 0243 FEL
43-013-51120	GMBU J-2-9-15	Sec 01 T09S R15E 0859 FNL 0670 FWL BHL Sec 02 T09S R15E 1621 FNL 0272 FEL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.12.14 11:36:16 -0700

**RECEIVED: December 14, 2011**

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

MCoulthard:mc:12-14-11



VIA ELECTRONIC DELIVERY

December 14, 2011

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

RE: Directional Drilling  
**GMBU U-35-8-15**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 1: NWNW (Lot 4) (UTU-74826)  
839' FNL 663' FWL

At Target: T8S-R15E Section 35: SESE (UTU-67168)  
278' FSL 243' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company ("NPC") of an Application for Permit to Drill the above referenced well dated 12/13/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "PB", is written over a light blue horizontal line.

Peter Burns  
Land Associate

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU74826
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		8. Lease Name and Well No. GMBU U-35-8-15
3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNW Lot 4 839FNL 663FWL At proposed prod. zone SESE 278FSL 243FEL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 13.5		11. Sec., T., R., M., or Blk. and Survey or Area Sec 1 T9S R15E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 243'	16. No. of Acres in Lease 2189.90	12. County or Parish DUCHESNE
17. Spacing Unit dedicated to this well 20.00	13. State UT	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 664'	19. Proposed Depth 6538 MD 6350 TVD	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5911 GL	22. Approximate date work will start 03/31/2012	23. Estimated duration 7 DAYS

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 12/13/2011
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.

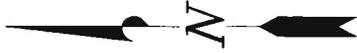
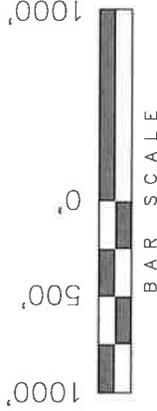
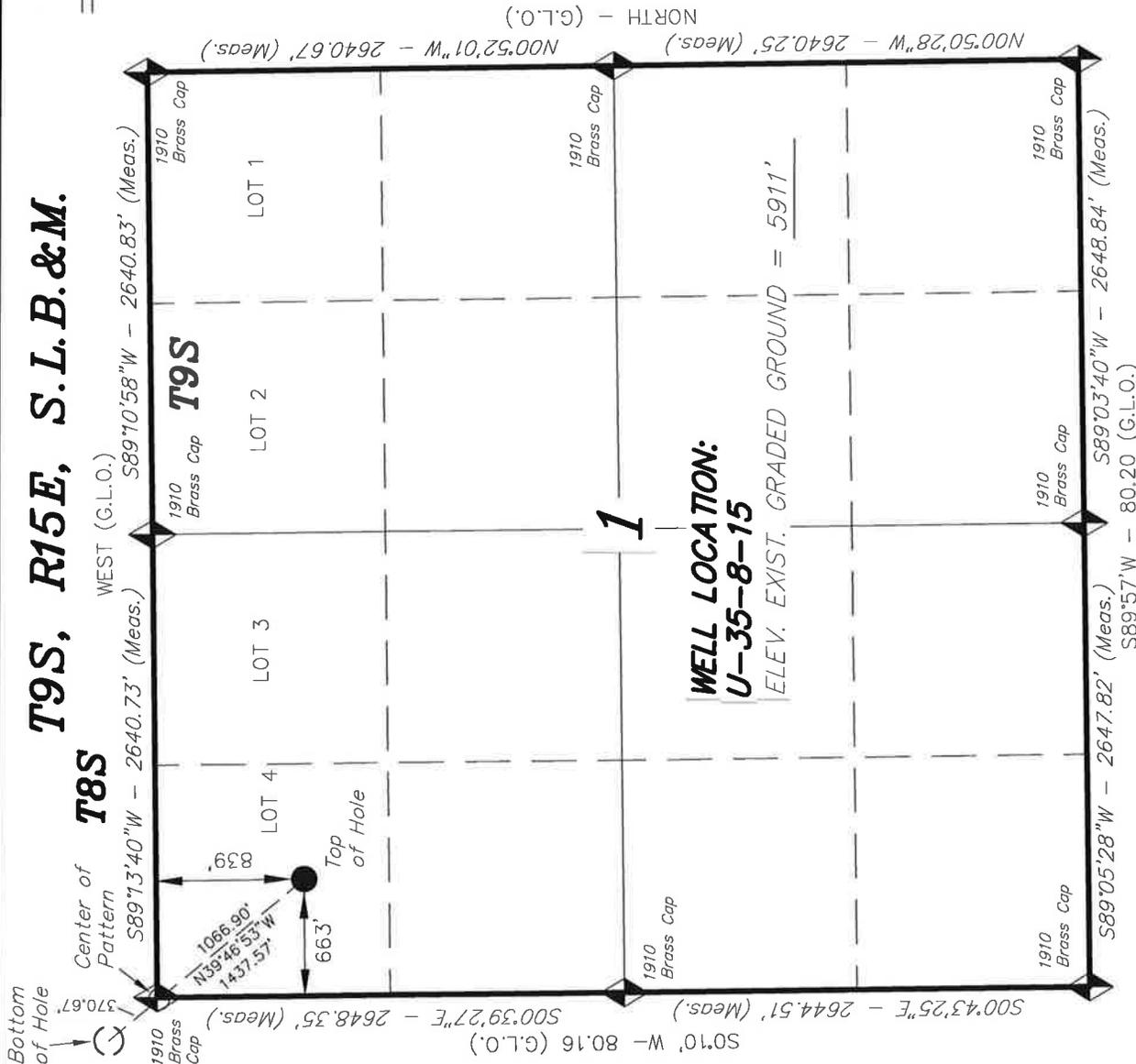
**Additional Operator Remarks (see next page)**

**Electronic Submission #125560 verified by the BLM Well Information System  
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal**

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

**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, U-35-8-15, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 (LOT 4) OF SECTION 1, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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.

STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 6189377  
 08-16-11  
 STATE OF UTAH

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

DATE SURVEYED: 7-21-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 08-11-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

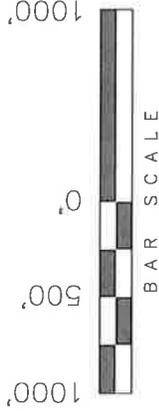
**U-35-8-15**  
 (Surface Location) **NAD 83**  
 LATITUDE = 40° 03' 53.67"  
 LONGITUDE = 110° 11' 15.17"

◆ = SECTION CORNERS LOCATED

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

**NEWFIELD EXPLORATION COMPANY**

TARGET BOTTOM HOLE, U-35-8-15, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 35, T8S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 10' FNL & 10' FEL of Section 2, T9S, R15E, S.L.B.&M.
3. The Bottom of Hole footages are 278' FSL & 243' FEL of Section 35, T8S, R15E, S.L.B.&M.

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

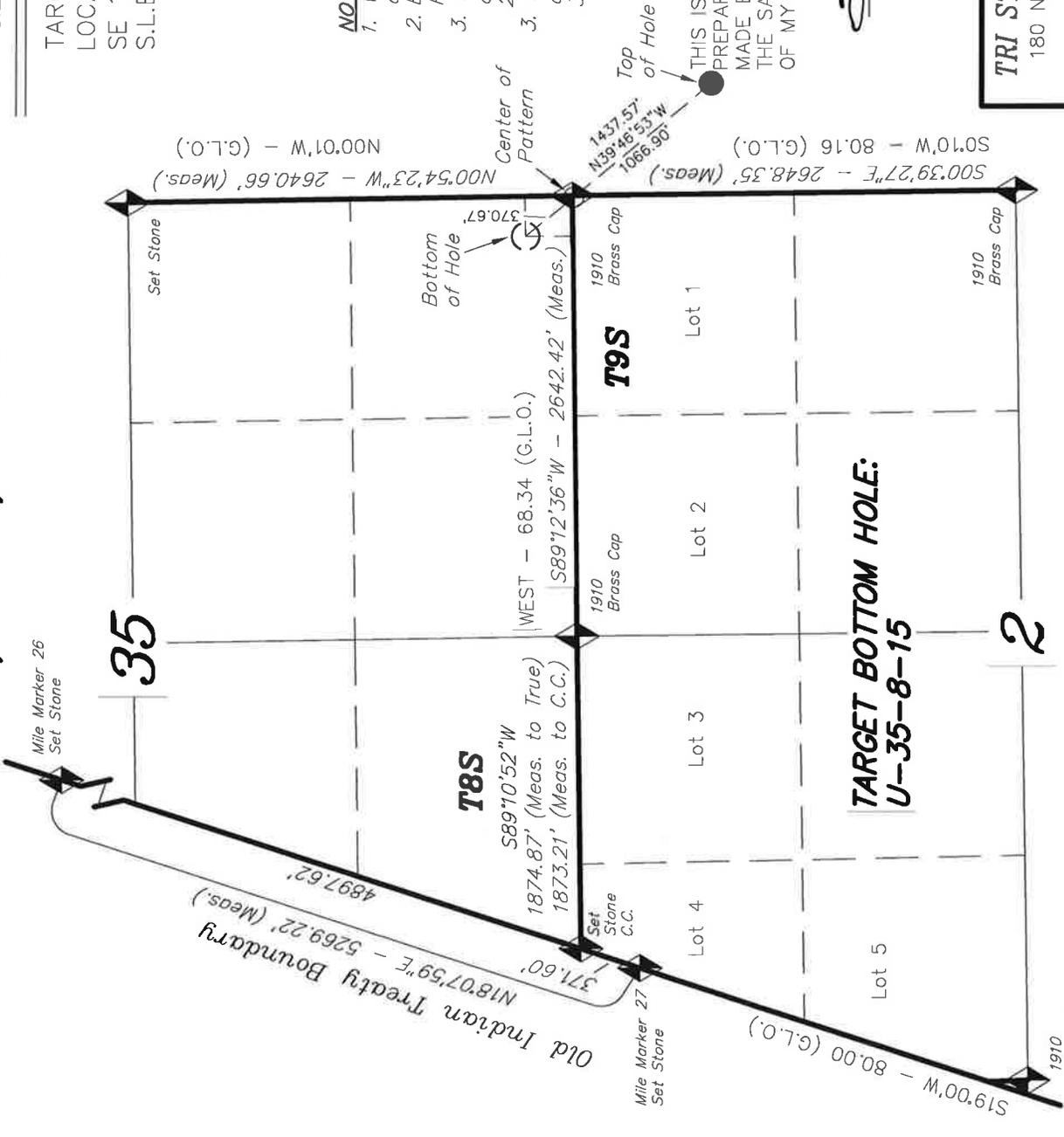
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH

08-16-11  
STACY W.

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

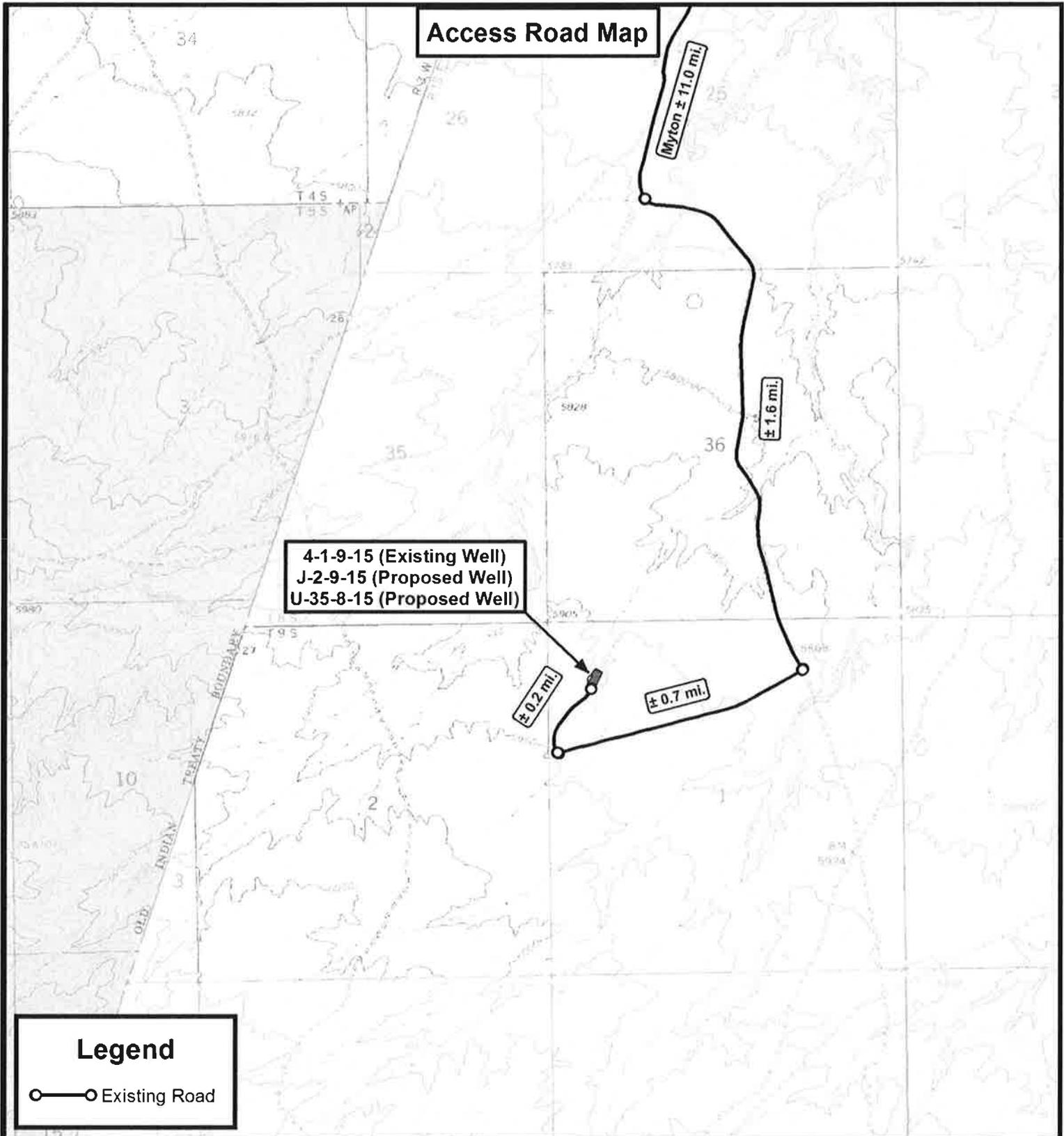
DATE SURVEYED: 7-21-11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 08-10-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

**T8S, R15E, S.L.B.&M.**



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'

◆ = SECTION CORNERS LOCATED



**Access Road Map**

**4-1-9-15 (Existing Well)  
J-2-9-15 (Proposed Well)  
U-35-8-15 (Proposed Well)**

**Legend**

—○— Existing Road

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

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

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



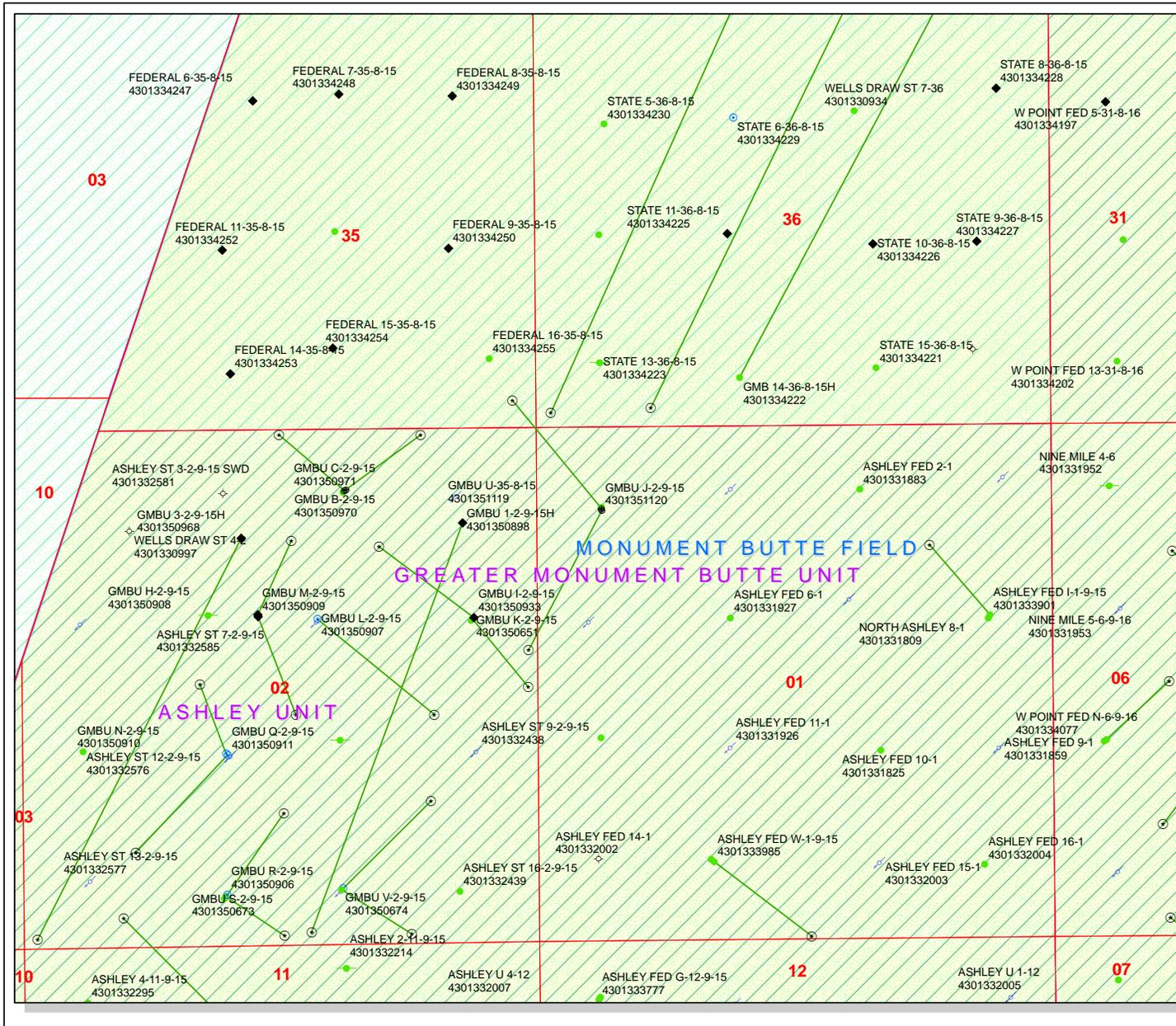
**NEWFIELD EXPLORATION COMPANY**

4-1-9-15 (Existing Well)  
J-2-9-15 (Proposed Well)  
U-35-8-15 (Proposed Well)  
SEC. 1, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	08-02-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

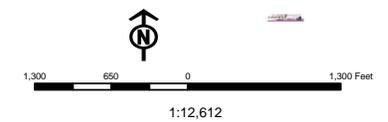
SHEET  
**B**



**API Number: 4301351119**  
**Well Name: GMBU U-35-8-15**  
**Township T0.9 . Range R1.5 . Section 01**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/13/2011

**API NO. ASSIGNED:** 43013511190000

**WELL NAME:** GMBU U-35-8-15

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NWNW 01 090S 150E

**Permit Tech Review:**

**SURFACE:** 0839 FNL 0663 FWL

**Engineering Review:**

**BOTTOM:** 0278 FSL 0243 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.06492

**LONGITUDE:** -110.18763

**UTM SURF EASTINGS:** 569279.00

**NORTHINGS:** 4435279.00

**FIELD NAME:** MONUMENT BUTTE

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU-74826

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

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

**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 - bhill



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU U-35-8-15  
**API Well Number:** 43013511190000  
**Lease Number:** UTU-74826  
**Surface Owner:** FEDERAL  
**Approval Date:** 12/27/2011

**Issued to:**

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

**Authority:**

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

**Duration:**

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

**General:**

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

**Conditions of Approval:**

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 in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

DEC 13 2011

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU74826
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 EXPLORATION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. UTU87538X
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU U-35-8-15
3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031		9. API Well No. 43-013-5119
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 4 839FNL 663FWL At proposed prod. zone SESE 278FSL 243FEL T85, RISE, Sec. 35		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 13.5		11. Sec., T., R., M., or Blk. and Survey or Area Sec 1 T9S R15E Mer SLB SME: BLM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 243'	16. No. of Acres in Lease 2189.98	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 664'	19. Proposed Depth 6538 MD 6350 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5911 GL	22. Approximate date work will start 03/31/2012	17. Spacing Unit dedicated to this well 20.00
		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:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 12/13/2011
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date JUN 27 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD 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.

CONDITIONS OF APPROVAL ATTACHED

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

RECEIVED

JUL 05 2012

Additional Operator Remarks (see next page)

Electronic Submission #125560 verified by the BLM Well Information System  
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal  
Committed to AFMSS for processing by ROBIN R. HANSEN on 12/20/2011 (12RRH102000) BUREAU OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

\*\* BLM REVISED \*\*

11SXSDR4RAE

NOV 21/2011



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: GMBU U-35-8-15  
API No: 43-013-51119

Location: Lot 4, Sec 1, T9S, R15E  
Lease No: UTU-74826  
Agreement: Greater Monument Butte Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm ut vn opreport@blm.gov</a>
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Wildlife**

**If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.**

- The proposed project is within **mountain plover habitat**. If drilling or construction is proposed from May 1 to June 15, then a survey will be conducted by a qualified biologist. Permission to proceed may be granted in accordance with the "USFWS Mountain Plover Survey Guidelines" (March 2002) protocol. It is recommended that reclamation seed mixtures use low growing grasses and forbs.
- The proposed project is within 0.5 mile of a **golden eagle nest**. If drilling or construction is proposed from January 1 to August 31, then a nest survey will be conducted by a qualified biologist. If it is determined by that the nest is inactive, then permission to proceed may be granted by the BLM Authorized Officer. If the nest is determined to be active, then the timing restriction will remain in effect.

**Air Quality**

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Well site telemetry will be utilized as feasible for production operations.

**S.O.P.s**

- After cessation of drilling and completion operations, any visible or measurable layer of oil must be removed from the surface of the reserve pit and the pit kept free of oil.
- Pits must be free of oil and other liquid and solid wastes prior to filling. Pit liners must not be breached (cut) or filled (squeezed) while still containing fluids. The pit liner must be removed to the solids level or treated to prevent its reemergence to the surface or its interference with long-term successful revegetation.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, ROW, COAs permits/authorizations on their person(s) during all phases of construction.

### **Reclamation**

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, so that disturbance is returned as close to a natural state as possible..
- Appropriate erosion control and revegetation measures will be employed. In areas with unstable soils where seeding alone may not adequately control erosion, grading will be used to minimize slopes and water bars will be installed on disturbed slopes. Erosion control efforts will be monitored by Newfield and, if necessary, modifications will be made to control erosion.

### **Monitoring and Reporting**

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.
- Surface casing cement shall be brought to surface.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<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-74826	
<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 U-35-8-15	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013511190000	
<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> 0839 FNL 0663 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 15.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

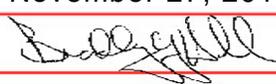
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/27/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" 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.  
 Newfield proposes to extend the Application for Permit to Drill this well.

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

**Date:** November 27, 2012

**By:** 

<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> 11/26/2012	



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

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013511190000**

API: 43013511190000

Well Name: GMBU U-35-8-15

Location: 0839 FNL 0663 FWL QTR NWNW SEC 01 TWNP 090S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/27/2011

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

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

Signature: Mandie Crozier

Date: 11/26/2012

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

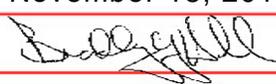
<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74826	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
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<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
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<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Oil Well	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	
<b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0839 FNL 0663 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 15.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/27/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<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.

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

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** November 18, 2013  
**By:** 

<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> 11/12/2013	



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

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013511190000**

API: 43013511190000

Well Name: GMBU U-35-8-15

Location: 0839 FNL 0663 FWL QTR NWNW SEC 01 TWNP 090S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/27/2011

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

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

Signature: Mandie Crozier

Date: 11/12/2013

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
 UTU74826

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

7. Unit or CA Agreement Name and No.  
 UTU87538X

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

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

8. Lease Name and Well No.  
 GMBU U-35-8-15

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

At surface 839' FNL 663' FWL (NW/NW, LOT 4) SEC 1 T9S R15E (UTU-74826)  
 At top prod. interval reported below 167' FNL 95' FWL (NW/NW, LOT 4) SEC 1 T9S R15E (UTU-74826)  
 At total depth 259' FSL 220' FEL (SE/SE) SEC 35 T8S R15E (UTU-67168)

10. Field and Pool or Exploratory  
 MONUMENT BUTTE

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

12. County or Parish DUCHESNE  
 13. State UT

14. Date Spudded 03/19/2014  
 15. Date T.D. Reached 03/29/2014  
 16. Date Completed 04/18/2014  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
 5911' GL 5921' KB

18. Total Depth: MD 6499'  
 TVD 6310'

19. Plug Back T.D.: MD 6466'  
 TVD

20. Depth Bridge Plug Set: MD  
 TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	320'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6485'		290 Econocem		0'	
						490Expandacem			

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@5768'	TA@5577'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4476'	5611'	4476' - 5611' MD	0.34	54	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4476' - 5611' MD	Frac w/ 187,700#s of 20/40 white sand in 1,983 bbls of Lightning 17 fluid, in 4 stages.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/23/14	5/2/14	24	→	99	10	155			2.5 X 1.75 X 24 RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers  
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK	3880'
				GARDEN GULCH 1	4117'
				GARDEN GULCH 2	4235'
				POINT 3	4513'
				X MRKR	4791'
				Y MRKR	4829'
				DOUGLAS CREEK MRK	4946'
				BI CARBONATE MRK	5206'
				B LIMESTONE MRK	5324'
				CASTLE PEAK	5900'
				BASAL CARBONATE	6336'
				WASATCH	6466'

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) Heather Calder Title Regulatory Technician  
 Signature Heather Calder Date 05/22/2014

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



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 1**

**U-35-8-15**

**Wellbore #1**

**Design: Actual**

## **End of Well Report**

**02 April, 2014**





# Payzone Directional

End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

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

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** Utah Central Zone

**System Datum:** Mean Sea Level

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

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

**Well:** U-35-8-15, SHL LAT: 40 03 53.67 LONG: -110 11 15.17

**Well Position:** +N/-S 0.0 usft Northing: 7,195,061.60 usft Latitude: 40° 3' 53.670 N  
 +E/-W 0.0 usft Easting: 2,007,721.60 usft Longitude: 110° 11' 15.170 W  
**Position Uncertainty:** Wellhead Elevation: 5,921.0 usft Ground Level: 5,911.0 usft

**Wellbore:** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/15/2011	11.35	65.78	52,244

**Design:** Actual

**Audit Notes:**

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

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	321.20

**Survey Program**

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
347.0	6,499.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



# Payzone Directional

## End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore #1:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	347.0	1.70	17.00	346.9	2.9	4.9	1.5	0.49	0.49	0.00
	378.0	1.50	23.60	377.9	3.3	5.7	1.8	0.88	-0.65	21.29
	409.0	1.40	8.80	408.9	3.8	6.5	2.0	1.25	-0.32	-47.74
	439.0	1.40	4.30	438.9	4.3	7.2	2.1	0.37	0.00	-15.00
	470.0	1.50	343.80	469.9	4.9	8.0	2.0	1.69	0.32	-66.13
	501.0	1.40	334.70	500.9	5.7	8.7	1.7	0.81	-0.32	-29.35
	532.0	1.70	328.60	531.9	6.5	9.4	1.3	1.10	0.97	-19.68
	562.0	1.70	318.60	561.9	7.4	10.2	0.8	0.99	0.00	-33.33
	593.0	2.20	312.40	592.9	8.4	10.9	0.1	1.75	1.61	-20.00
	624.0	2.30	301.30	623.8	9.6	11.6	-0.9	1.44	0.32	-35.81
	655.0	2.50	289.00	654.8	10.8	12.2	-2.1	1.78	0.65	-39.68
	685.0	3.10	283.90	684.8	12.0	12.6	-3.5	2.16	2.00	-17.00
	716.0	3.50	274.50	715.7	13.3	12.9	-5.2	2.17	1.29	-30.32
	747.0	3.70	262.50	746.7	14.5	12.8	-7.2	2.51	0.65	-38.71
	778.0	3.80	254.20	777.6	15.4	12.4	-9.1	1.78	0.32	-26.77
	808.0	3.80	246.60	807.5	16.0	11.7	-11.0	1.68	0.00	-25.33
	839.0	3.90	246.10	838.5	16.6	10.9	-12.9	0.34	0.32	-1.61
	870.0	4.00	246.10	869.4	17.1	10.0	-14.9	0.32	0.32	0.00
	901.0	4.40	253.70	900.3	17.9	9.2	-17.0	2.21	1.29	24.52
	932.0	4.60	261.30	931.2	18.9	8.7	-19.4	2.03	0.65	24.52
	962.0	4.90	270.80	961.1	20.4	8.6	-21.8	2.80	1.00	31.67
	993.0	4.50	277.00	992.0	22.1	8.7	-24.4	2.08	-1.29	20.00
	1,024.0	4.30	285.70	1,022.9	23.9	9.2	-26.7	2.25	-0.65	28.06
	1,055.0	4.20	296.00	1,053.8	25.9	10.0	-28.8	2.48	-0.32	33.23
	1,100.0	3.90	309.30	1,098.7	28.9	11.7	-31.5	2.19	-0.67	29.56
	1,144.0	3.70	317.30	1,142.6	31.7	13.7	-33.6	1.29	-0.45	18.18



# Payzone Directional

## End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	1,188.0	4.20	323.70	1,186.5	34.8	16.0	-35.5	1.51	1.14	14.55
	1,234.0	4.90	331.20	1,232.4	38.4	19.1	-37.5	1.99	1.52	16.30
	1,278.0	5.50	333.00	1,276.2	42.3	22.6	-39.3	1.41	1.36	4.09
	1,322.0	5.90	329.50	1,320.0	46.6	26.5	-41.5	1.20	0.91	-7.95
	1,366.0	6.90	326.80	1,363.7	51.5	30.6	-44.0	2.37	2.27	-6.14
	1,411.0	7.80	327.30	1,408.3	57.2	35.5	-47.2	2.01	2.00	1.11
	1,455.0	8.90	327.40	1,451.9	63.5	40.8	-50.6	2.50	2.50	0.23
	1,498.0	10.10	326.90	1,494.3	70.6	46.8	-54.5	2.80	2.79	-1.16
	1,542.0	11.20	326.10	1,537.5	78.7	53.6	-59.0	2.52	2.50	-1.82
	1,589.0	12.20	323.50	1,583.5	88.2	61.4	-64.5	2.40	2.13	-5.53
	1,634.0	13.50	321.90	1,627.4	98.2	69.3	-70.5	2.99	2.89	-3.56
	1,678.0	14.30	320.10	1,670.1	108.8	77.5	-77.2	2.07	1.82	-4.09
	1,722.0	15.20	319.50	1,712.7	120.0	86.1	-84.4	2.07	2.05	-1.36
	1,768.0	15.30	316.70	1,757.0	132.1	95.1	-92.5	1.62	0.22	-6.09
	1,814.0	15.10	313.10	1,801.4	144.0	103.6	-101.0	2.10	-0.43	-7.83
	1,858.0	15.70	311.30	1,843.9	155.6	111.4	-109.7	1.74	1.36	-4.09
	1,905.0	15.90	310.30	1,889.1	168.2	119.8	-119.4	0.72	0.43	-2.13
	1,951.0	15.80	310.60	1,933.3	180.5	127.9	-128.9	0.28	-0.22	0.65
	1,997.0	15.00	311.10	1,977.7	192.5	135.9	-138.2	1.76	-1.74	1.09
	2,040.0	14.60	312.10	2,019.3	203.4	143.2	-146.4	1.10	-0.93	2.33
	2,087.0	14.30	312.40	2,064.8	214.9	151.1	-155.1	0.66	-0.64	0.64
	2,134.0	14.40	312.50	2,110.3	226.5	159.0	-163.7	0.22	0.21	0.21
	2,180.0	14.50	313.30	2,154.8	237.8	166.8	-172.1	0.49	0.22	1.74
	2,226.0	15.00	313.50	2,199.3	249.4	174.8	-180.6	1.09	1.09	0.43
	2,270.0	16.00	315.70	2,241.7	261.1	183.1	-189.0	2.64	2.27	5.00
	2,315.0	15.60	318.50	2,285.0	273.3	192.1	-197.3	1.91	-0.89	6.22
	2,361.0	16.00	319.00	2,329.3	285.8	201.5	-205.6	0.92	0.87	1.09



# Payzone Directional

## End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore #1:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:**  
**TVD Reference:** Well U-35-8-15  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**Survey Calculation Method:** True  
**Database:** Minimum Curvature  
 EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,407.0	16.30	318.70	2,373.5	298.6	211.1	-214.0	0.68	0.65	-0.65
2,453.0	15.80	319.80	2,417.7	311.3	220.7	-222.3	1.27	-1.09	2.39
2,498.0	15.50	319.40	2,461.0	323.5	230.0	-230.1	0.71	-0.67	-0.89
2,544.0	15.20	321.30	2,505.4	335.6	239.4	-237.9	1.27	-0.65	4.13
2,590.0	15.80	321.30	2,549.7	347.9	249.0	-245.6	1.30	1.30	0.00
2,636.0	15.60	321.30	2,594.0	360.4	258.7	-253.4	0.43	-0.43	0.00
2,680.0	15.30	320.50	2,636.4	372.1	267.8	-260.8	0.84	-0.68	-1.82
2,726.0	15.00	322.50	2,680.8	384.1	277.2	-268.3	1.31	-0.65	4.35
2,772.0	14.70	325.50	2,725.3	395.9	286.7	-275.2	1.79	-0.65	6.52
2,817.0	14.70	327.70	2,768.8	407.3	296.2	-281.5	1.24	0.00	4.89
2,863.0	14.90	326.90	2,813.3	418.9	306.1	-287.8	0.62	0.43	-1.74
2,909.0	15.80	326.40	2,857.6	431.1	316.3	-294.5	1.98	1.96	-1.09
2,953.0	17.30	326.40	2,899.8	443.5	326.7	-301.5	3.41	3.41	0.00
2,999.0	18.30	326.30	2,943.6	457.5	338.4	-309.2	2.17	2.17	-0.22
3,044.0	18.60	325.70	2,986.3	471.7	350.3	-317.2	0.79	0.67	-1.33
3,090.0	18.10	324.70	3,029.9	486.2	362.1	-325.5	1.28	-1.09	-2.17
3,134.0	17.70	325.60	3,071.8	499.7	373.2	-333.2	1.11	-0.91	2.05
3,180.0	17.60	326.00	3,115.6	513.6	384.8	-341.0	0.34	-0.22	0.87
3,224.0	18.00	323.40	3,157.5	527.0	395.7	-348.8	2.02	0.91	-5.91
3,267.0	16.90	319.10	3,198.6	539.9	405.8	-356.9	3.94	-2.56	-10.00
3,313.0	16.70	315.60	3,242.6	553.1	415.6	-365.9	2.24	-0.43	-7.61
3,359.0	17.10	315.80	3,286.6	566.5	425.2	-375.2	0.88	0.87	0.43
3,405.0	17.50	316.90	3,330.5	580.1	435.1	-384.7	1.12	0.87	2.39
3,451.0	17.50	317.40	3,374.4	593.9	445.2	-394.1	0.33	0.00	1.09
3,495.0	17.80	319.00	3,416.3	607.2	455.1	-403.0	1.30	0.68	3.64
3,540.0	17.90	320.40	3,459.2	621.0	465.7	-411.9	0.98	0.22	3.11
3,586.0	17.50	321.70	3,503.0	635.0	476.5	-420.7	1.22	-0.87	2.83



# Payzone Directional

## End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore #1:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	3,632.0	16.70	322.90	3,547.0	648.5	487.2	-428.9	1.90	-1.74	2.61
	3,676.0	15.80	323.80	3,589.2	660.8	497.1	-436.3	2.12	-2.05	2.05
	3,722.0	15.60	324.60	3,633.5	673.2	507.2	-443.6	0.64	-0.43	1.74
	3,767.0	14.60	324.50	3,676.9	684.9	516.8	-450.4	2.22	-2.22	-0.22
	3,813.0	14.20	324.90	3,721.5	696.4	526.1	-457.0	0.90	-0.87	0.87
	3,859.0	13.80	322.60	3,766.1	707.5	535.1	-463.6	1.49	-0.87	-5.00
	3,905.0	13.50	320.40	3,810.8	718.3	543.6	-470.3	1.30	-0.65	-4.78
	3,949.0	13.90	319.90	3,853.6	728.7	551.6	-477.0	0.95	0.91	-1.14
	3,994.0	14.40	321.30	3,897.2	739.7	560.1	-484.0	1.35	1.11	3.11
	4,040.0	14.80	322.90	3,941.7	751.3	569.2	-491.1	1.23	0.87	3.48
	4,086.0	15.30	323.40	3,986.1	763.3	578.8	-498.3	1.12	1.09	1.09
	4,130.0	15.60	323.70	4,028.5	775.0	588.2	-505.2	0.71	0.68	0.68
	4,176.0	16.70	323.80	4,072.7	787.8	598.5	-512.8	2.39	2.39	0.22
	4,221.0	16.90	324.60	4,115.8	800.7	609.1	-520.4	0.68	0.44	1.78
	4,267.0	16.80	325.10	4,159.8	814.1	620.0	-528.1	0.38	-0.22	1.09
	4,313.0	16.80	324.20	4,203.9	827.3	630.8	-535.8	0.57	0.00	-1.96
	4,357.0	17.10	322.70	4,246.0	840.1	641.1	-543.4	1.21	0.68	-3.41
	4,403.0	17.00	321.60	4,289.9	853.6	651.8	-551.7	0.73	-0.22	-2.39
	4,448.0	16.90	321.40	4,333.0	866.7	662.0	-559.8	0.26	-0.22	-0.44
	4,492.0	16.50	321.10	4,375.1	879.4	671.9	-567.8	0.93	-0.91	-0.68
	4,538.0	16.10	322.90	4,419.3	892.3	682.1	-575.7	1.40	-0.87	3.91
	4,582.0	15.80	321.30	4,461.6	904.4	691.6	-583.1	1.21	-0.68	-3.64
	4,628.0	15.70	320.00	4,505.9	916.9	701.3	-591.0	0.80	-0.22	-2.83
	4,674.0	15.20	319.40	4,550.2	929.1	710.6	-599.0	1.14	-1.09	-1.30
	4,719.0	15.50	319.60	4,593.6	941.0	719.7	-606.7	0.68	0.67	0.44
	4,765.0	15.80	321.10	4,637.9	953.4	729.2	-614.6	1.09	0.65	3.26
	4,811.0	15.90	322.40	4,682.1	966.0	739.1	-622.4	0.80	0.22	2.83



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	4,857.0	16.30	321.50	4,726.3	978.8	749.1	-630.3	1.02	0.87	-1.96
	4,903.0	17.10	321.40	4,770.4	992.0	759.5	-638.5	1.74	1.74	-0.22
	4,948.0	16.50	321.80	4,813.5	1,005.0	769.7	-646.6	1.36	-1.33	0.89
	4,992.0	16.40	320.80	4,855.7	1,017.4	779.4	-654.4	0.68	-0.23	-2.27
	5,038.0	16.70	319.70	4,899.8	1,030.5	789.5	-662.8	0.94	0.65	-2.39
	5,084.0	16.60	320.00	4,943.8	1,043.7	799.5	-671.2	0.29	-0.22	0.65
	5,129.0	16.40	319.70	4,987.0	1,056.5	809.3	-679.5	0.48	-0.44	-0.67
	5,175.0	15.80	319.20	5,031.2	1,069.2	819.0	-687.8	1.34	-1.30	-1.09
	5,219.0	15.20	319.10	5,073.6	1,081.0	827.9	-695.5	1.36	-1.36	-0.23
	5,265.0	14.90	320.90	5,118.0	1,092.9	837.0	-703.2	1.21	-0.65	3.91
	5,311.0	15.40	322.40	5,162.4	1,105.0	846.5	-710.6	1.38	1.09	3.26
	5,356.0	15.50	322.80	5,205.8	1,116.9	856.0	-717.9	0.32	0.22	0.89
	5,402.0	15.20	320.90	5,250.1	1,129.1	865.6	-725.4	1.27	-0.65	-4.13
	5,448.0	15.40	318.70	5,294.5	1,141.2	874.8	-733.2	1.33	0.43	-4.78
	5,494.0	15.50	319.20	5,338.8	1,153.5	884.1	-741.3	0.36	0.22	1.09
	5,539.0	14.90	319.90	5,382.3	1,165.3	893.1	-748.9	1.39	-1.33	1.56
	5,585.0	14.20	321.30	5,426.8	1,176.8	902.0	-756.3	1.70	-1.52	3.04
	5,631.0	13.80	320.60	5,471.4	1,188.0	910.6	-763.3	0.94	-0.87	-1.52
	5,675.0	14.10	320.50	5,514.1	1,198.6	918.8	-770.0	0.68	0.68	-0.23
	5,719.0	14.80	323.20	5,556.7	1,209.5	927.4	-776.8	2.21	1.59	6.14
	5,764.0	16.10	327.40	5,600.1	1,221.5	937.3	-783.6	3.81	2.89	9.33
	5,810.0	16.20	328.80	5,644.3	1,234.2	948.2	-790.4	0.87	0.22	3.04
	5,856.0	16.60	329.00	5,688.4	1,247.1	959.3	-797.1	0.88	0.87	0.43
	5,902.0	17.10	328.90	5,732.4	1,260.3	970.7	-804.0	1.09	1.09	-0.22
	5,947.0	16.40	330.80	5,775.5	1,273.1	981.9	-810.5	1.97	-1.56	4.22
	5,993.0	16.70	330.40	5,819.6	1,286.0	993.3	-816.9	0.70	0.65	-0.87
	6,039.0	16.20	329.80	5,863.7	1,298.9	1,004.6	-823.4	1.15	-1.09	-1.30



# Payzone Directional

## End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 1  
**Well:** U-35-8-15  
**Wellbore:** Wellbore #1  
**Design:** Actual

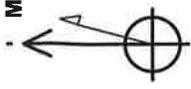
**Local Co-ordinate Reference:** Well U-35-8-15  
**TVD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**MD Reference:** U-35-8-15 @ 5921.0usft (SS #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,085.0	15.80	329.50	5,908.0	1,311.4	1,015.6	-829.8	0.89	-0.87	-0.65
6,129.0	15.50	328.90	5,950.3	1,323.2	1,025.8	-835.9	0.77	-0.68	-1.36
6,174.0	14.90	328.50	5,993.8	1,334.9	1,035.9	-842.0	1.35	-1.33	-0.89
6,220.0	14.50	330.00	6,038.3	1,346.4	1,045.9	-848.0	1.20	-0.87	3.26
6,266.0	14.20	329.30	6,082.8	1,357.7	1,055.7	-853.7	0.75	-0.65	-1.52
6,310.0	14.00	327.60	6,125.5	1,368.4	1,064.9	-859.3	1.05	-0.45	-3.86
6,355.0	13.20	325.60	6,169.2	1,378.9	1,073.7	-865.2	2.06	-1.78	-4.44
6,401.0	12.30	324.40	6,214.1	1,389.0	1,082.0	-871.0	2.04	-1.96	-2.61
6,445.0	11.70	322.80	6,257.1	1,398.2	1,089.4	-876.4	1.56	-1.36	-3.64
6,499.0	11.70	322.80	6,310.0	1,409.1	1,098.1	-883.0	0.00	0.00	0.00

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

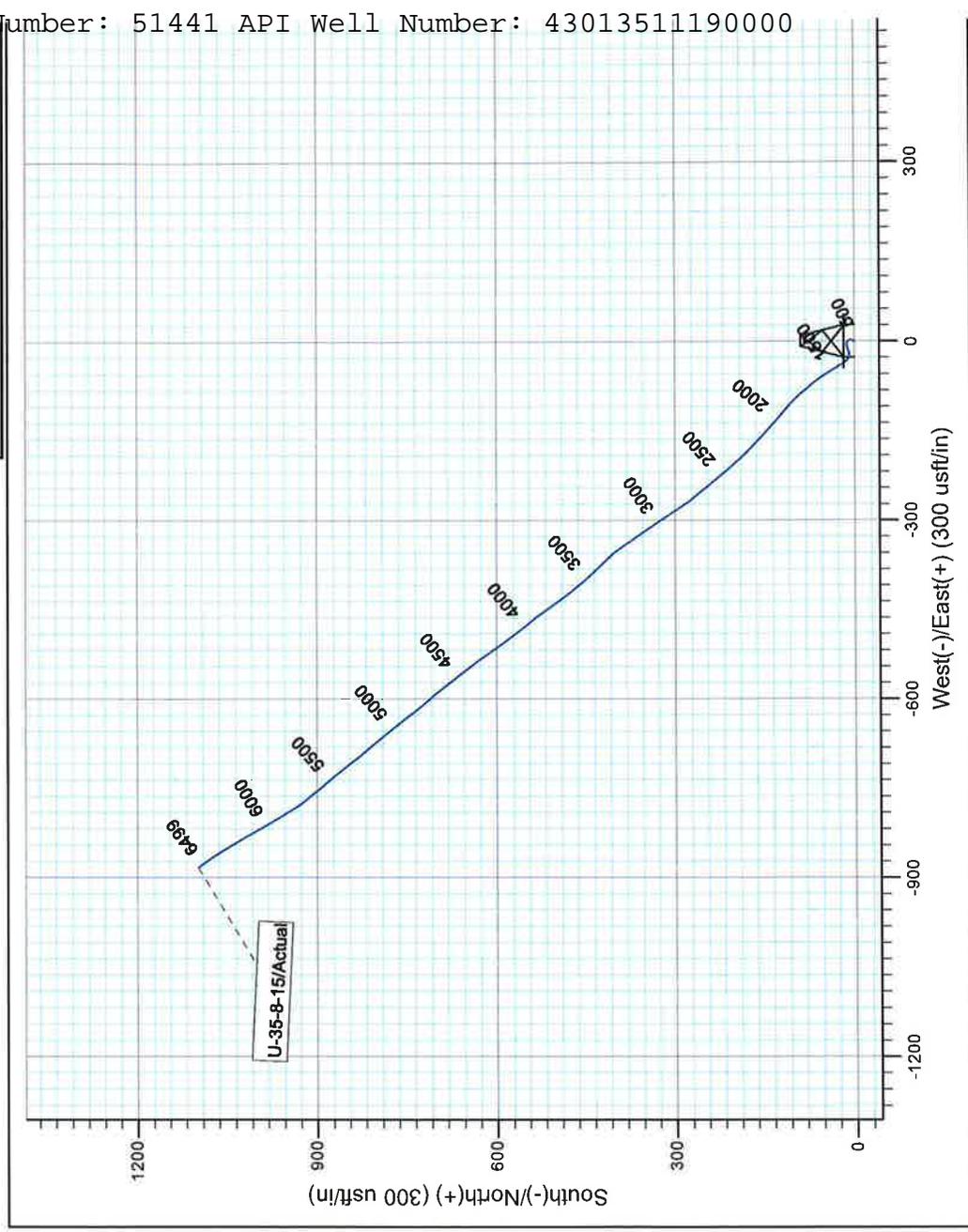
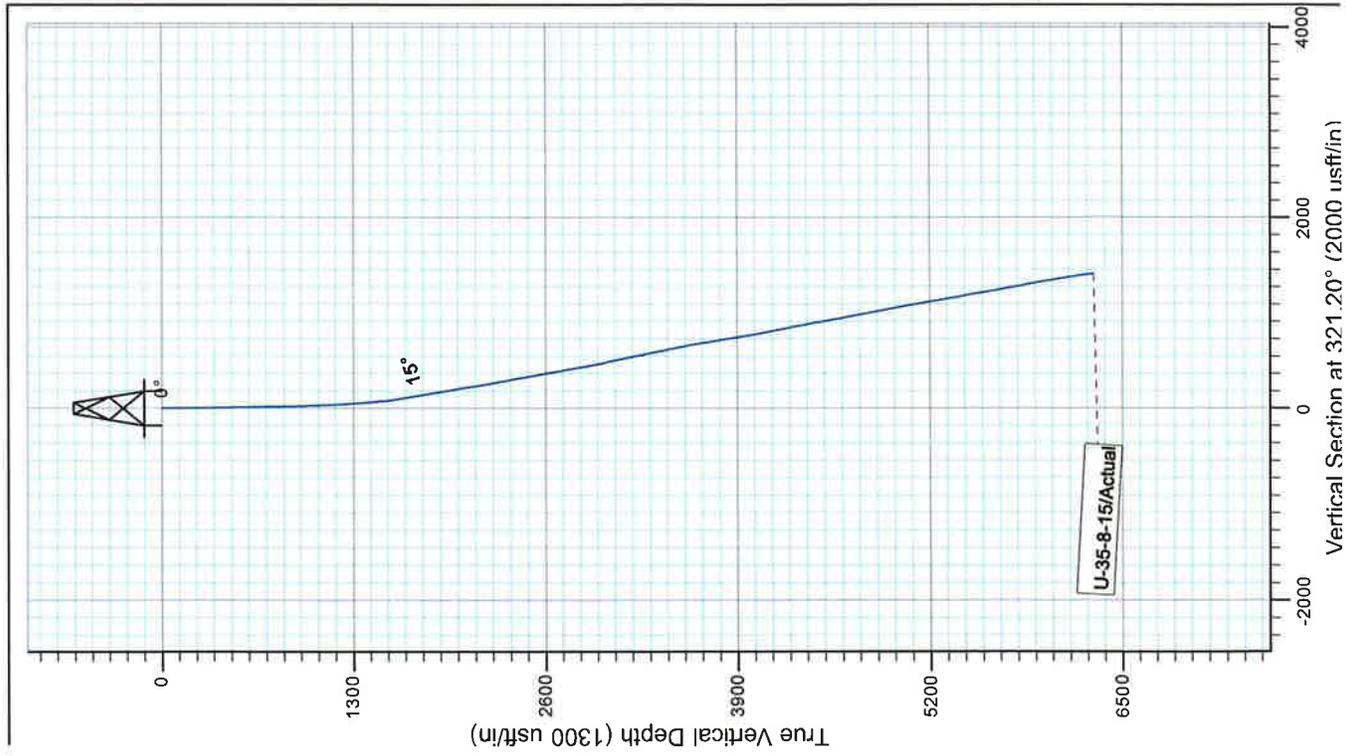


Project: USGS Myton SW (U1)  
 Site: SECTION 1  
 Well: U-35-8-15  
 Wellbore: Wellbore #1  
 Design: Actual



AZIMUTHS TO TRUE NORTH  
 Magnetic North: 11.35°  
 Magnetic Field  
 Strength: 52243.8 nT  
 Dip Angle: 65.78°  
 Date: 8/15/2014  
 Model: IGRF2010

Survey Number: 51441 API Well Number: 43013511190000



Design: Actual (U-35-8-15/Wellbore #1)

Created By: Matthew Linton Date: 23:29, April 02 20

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



Well Name: GMBU U-35-8-15

### Summary Rig Activity

Job Category		Job Start Date	Job End Date
<b>Daily Operations</b>			
Report Start Date	Report End Date	24hr Activity Summary	
4/14/2014	4/15/2014	Run CBL, Press Test, Perforate 1st Stage	
Start Time	End Time	Start Time	End Time
06:00	08:30	08:30	08:30
Comment			
RU EXTREME WIRELINE, MU & RIH W/ CEMENT BOND LOG TOOLS, TAG @ 6416', PBTD @ 6466", LOG WELL W/ 0 PSI, LOG SHORT JOINT @ 3643.5-3654', ESTIMATED CEMENT TOP @ Surface', LD LOGGING TOOLS, SWI			
Start Time	End Time	Start Time	End Time
08:30	11:00	11:00	11:00
Comment			
RU B&C QUICK TEST. TEST UNIT, TEST HYD CHAMBERS ON BOPS, TEST CSG, FRAC STACK & ALL COMPONENTS TO 250 PSI 5-MIN LOW & 4300 PSI 10 & 30-MIN HIGHS, ALL GOOD			
Start Time	End Time	Start Time	End Time
11:00	12:00	12:00	12:00
Comment			
MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS (.34 EHD, 16 GR CHG, 21" PEN, 2 SPF), PERFORATE LODC FORMATION @ 5607-11', 5532-34', & A-1 @ 5458-59', 5446-47', 5432-33', (18 HOLES), POOH W/WIRELINE, LD PERF GUNS, SWI, RD WIRELINE			
Start Time	End Time	Start Time	End Time
12:00	00:00	00:00	00:00
Comment			
SDFN			
Report Start Date	Report End Date	24hr Activity Summary	
4/15/2014	4/16/2014	Frac & Flow Back Well	
Start Time	End Time	Start Time	End Time
00:00	06:30	06:30	06:30
Comment			
SDFN			
Start Time	End Time	Start Time	End Time
06:30	07:00	07:00	07:00
Comment			
RU Halliburton. Press test Lines & Pump To 5000psi			
Start Time	End Time	Start Time	End Time
07:00	07:30	07:30	07:30
Comment			
(Sig #1 17#) Frac CP-3/4 Formation W/ 78,500# 20/40 white sand 701 bbls pumped			
Start Time	End Time	Start Time	End Time
07:30	09:00	09:00	09:00
Comment			
(Sig #2) RU Extreme wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 3 spf), Set CFT Plug @ 5370' Perforate B-1 Sand @ 5298-5302, (12-Holes), POOH RD wireline, SWI			
Start Time	End Time	Start Time	End Time
09:00	09:30	09:30	09:30
Comment			
(Sig #2 17# Frac) Frac B-1 Formation W/26,100# 20/40 white Sand pump 377 total bbls			
Start Time	End Time	Start Time	End Time
09:30	10:30	10:30	10:30
Comment			
(Sig #3) RU The Extreme wireline, Press test lube to 4,000 psi, MU RIH W/ CFTP & 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 3 spf), Set CFTP @ 5060' & Perforate the D-1 Sand @ 4985-4989', (12-Holes) POOH RD wireline, SWI			
Start Time	End Time	Start Time	End Time
10:30	11:00	11:00	11:00
Comment			
(Sig #3 17# Frac) D-1 formation W/27,000# 20/40 White Sand pump 358 total bbls			
Start Time	End Time	Start Time	End Time
11:00	12:00	12:00	12:00
Comment			
(Sig #4) RU Extreme wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 2 spf), Set CFT Plug @ 4570' Perforate GB-6 Sand @ 4492-94', 4484-86', 4476-78', (12-Holes), POOH RD wireline, SWI			
Start Time	End Time	Start Time	End Time
12:00	12:30	12:30	12:30
Comment			
(Sig #4 17# Frac) GB-6 formation W/56,200# 20/40 White Sand pump 546 total bbls			
Start Time	End Time	Start Time	End Time
12:30	15:00	15:00	15:00
Comment			
SICP 1700psi open well to pit on 18/64 choke flow back @ 2 bpm flow back 300bbls			
Start Time	End Time	Start Time	End Time
15:00	16:00	16:00	16:00
Comment			
RU Extreme W/ RIH W/ CBP set CBP @ 4380' POOH W/ W/IL Bleed off well & CWI			
Start Time	End Time	Start Time	End Time
16:00	00:00	00:00	00:00
Comment			
SDFN			
Report Start Date	Report End Date	24hr Activity Summary	
4/16/2014	4/17/2014	MIRU, NU BOPs, Press test, UNload Prep & Tally Pipe, PU RIH Drill Out Plugs	



Well Name: GMBU U-35-8-15

Summary Rig Activity

Start Time	00:00	End Time	06:00	Comment
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	08:00	Crew Travel & Safety MTG
Start Time	08:00	End Time	10:00	Load out & move from GMBU W-33 To U-35, MIRU Same
Start Time	10:00	End Time	11:30	ND Frac valve, NU Double pipe rams, RU Floor & TBG Works
Start Time	11:30	End Time	14:00	Test Drill out stack. Unload Prep & Tally J-55 Tbg
Start Time	14:00	End Time	15:00	PU & Talley 4 3/4" New bit, bit sub & 134 JTS 2 7/8 TBG Tag kill plug @ 4380
Start Time	15:00	End Time	19:00	CIRC Well clean while waiting on PS
Start Time	19:00	End Time	20:00	CIRC Well clean, EOT @ 5382' CWI @ 6:00
Start Time	20:00	End Time	21:00	Crew Travel
Start Time	21:00	End Time	01:00	SDFN
Report Start Date	4/17/2014	Report End Date	4/18/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Finish Clean Out Trip & Land Tbg RIH W/ Rods
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	08:30	Crew Travel & Safety MTG
Start Time	08:30	End Time	09:30	Crew Travel & Safety MTG
Start Time	09:30	End Time	10:30	CK PRESS CSG 600 TBG 500 PSI, Bleed off well, CONT PU28 JTS 2 7/8 TBG Tag sand @ 6310 C/O To PBTD @ 6453' 13'High,
Start Time	10:30	End Time	11:30	CIRC Well clean
Start Time	11:30	End Time	13:00	CIRC Well clean
Start Time	13:00	End Time	15:00	LD 28 JTS 2 7/8 TBG, RD & Rack out DRLG EQUIP
Start Time	15:00	End Time	18:00	TOOH W/ 174 JTS 2 7/8 TBG, LD 4 3/4" Bit
Start Time	18:00	End Time	19:00	PU & TIH W PV 2 JTS Desander, 4' TBG SUB, 1 JT, PSN, 2 JTS 5 1/2 B-2 TAC & 169 JTS 2 7/8 TBG
Start Time	19:00	End Time	00:00	RD Floor & TBG Works, Strip off Double pipe rams & single blind ram, Set 5 1/2" B-2 TAC W/ 18000# Tension @ 5576' PSN @ 5645' EOT @ 5767', Land TBG W/ Hanger, NU Wellhead, ND Frac valve & NU Double pipe rams on the J-2, Spot Pipe racks & TBG on the J-2
Start Time	19:00	End Time	00:00	X-over to rod EQUIP, PU & Prime 2 1/2 X 1 3/4 X 24 RHAC W/ 206" SL, 30-7/8" 8 PER 57-3/4" 4 PER & 71-3/4" 8 PER, PU 1 1/2 X 30' Polish rod, CWI @ 6:00
Start Time	19:00	End Time	00:00	Crew Travel
Start Time	19:00	End Time	00:00	Crew Travel
Start Time	19:00	End Time	00:00	SDFN



Well Name: GMBU U-35-8-15

### Summary Rig Activity

**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
4/18/2014	4/18/2014	Finish RIH W/ Rods PWOP
Start Time	End Time	Comment
00:00	06:00	SDFN
Start Time	End Time	Comment
06:00	07:00	6:00-7:00 Crew Travel & Safety MTG
Start Time	End Time	Comment
07:00	09:00	7:00 CK PRESS CSG 450 TBG 375 PSI, CONT PU 66-7/8" 4 PER, Space out W/ 1-4' 1-2' 7/8" Pony rods, PU 1 1/2 X 30' Polish rod seat pump, Stroke pump W/ Rig to 800 PSI-OK
Start Time	End Time	Comment
09:00	10:00	Rig Down Move Over to the J-2

<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-74826
		<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 U-35-8-15
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013511190000
<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> 0839 FNL 0663 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 15.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/23/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input 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 04/23/2014 at 14:00 hours. Production Start sundry re-sent due to original not being found in UDOGM well file.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 09, 2014**

<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> 9/8/2014	