

**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 H-21-9-16
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> GMBU (GRRV)
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY		<b>7. OPERATOR PHONE</b> 435 646-4825
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-64379	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	726 FNL 1945 FWL	NENW	21	9.0 S	16.0 E	S
Top of Uppermost Producing Zone	1116 FNL 2426 FWL	NENW	21	9.0 S	16.0 E	S
At Total Depth	1505 FNL 2434 FEL	SWNE	21	9.0 S	16.0 E	S

<b>21. COUNTY</b> DUCHESENE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1135	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 20
<b>24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1134	<b>25. PROPOSED DEPTH</b> MD: 6026 TVD: 5880	
<b>26. ELEVATION - GROUND LEVEL</b> 5980	<b>27. BOND NUMBER</b> WYB000493	<b>28. 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 - 6026	15.5	J-55 LT&C	8.3	Premium Lite High Strength	278	3.26	11.0
							50/50 Poz	363	1.24	14.3

**ATTACHMENTS**

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

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

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 07/16/2012	<b>EMAIL</b> mcrozier@newfield.com
<b>API NUMBER ASSIGNED</b> 43013515820000	<b>APPROVAL</b>   Permit Manager	

NEWFIELD PRODUCTION COMPANY  
GMBU H-21-9-16  
AT SURFACE: NE/NW SECTION 21, T9S R16E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1540'
Green River	1540'
Wasatch	6110'
<b>Proposed TD</b>	<b>6026'</b>

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

Green River Formation (Oil)	1540' – 6110'
-----------------------------	---------------

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 H-21-9-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,026'	15.5	J-55	LTC	4,810 2.51	4,040 2.11	217,000 2.32

Assumptions:

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

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

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

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

b. **Cementing Design: GMBU H-21-9-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,026'	Prem Lite II w/ 10% gel + 3% KCl	278	30%	11.0	3.26
			907			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

- Compressive strength of tail cement: 2500 psi @ 24 hours

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

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

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

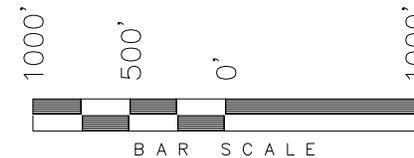
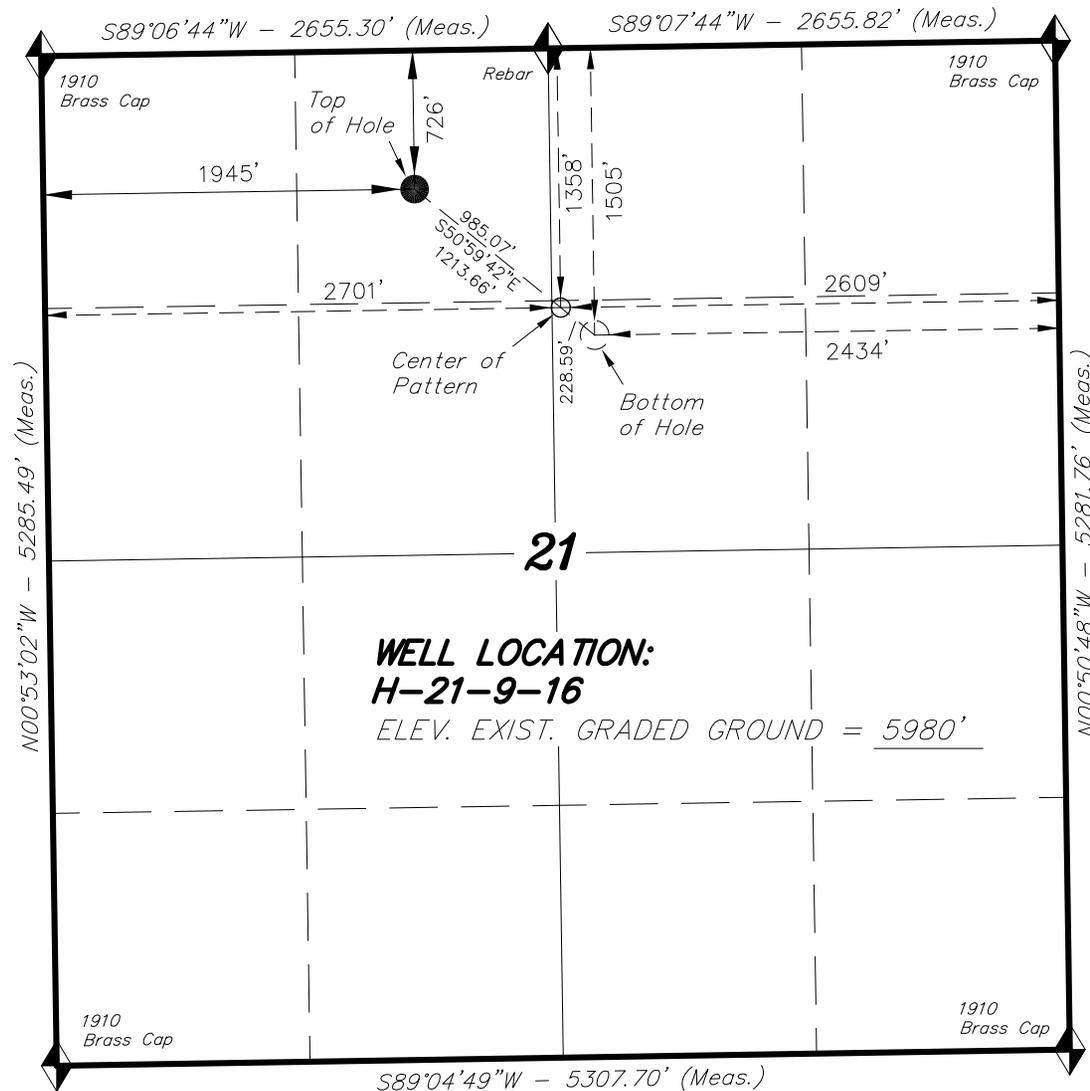
It is anticipated that the drilling operations will commence the fourth quarter of 2012, and take approximately seven (7) days from spud to rig release.

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

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, H-21-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, H-21-9-16, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

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

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

REGISTERED LAND SURVEYOR  
 16.189377  
 07-12-12  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 16189377  
 STATE OF UTAH

◆ = 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'

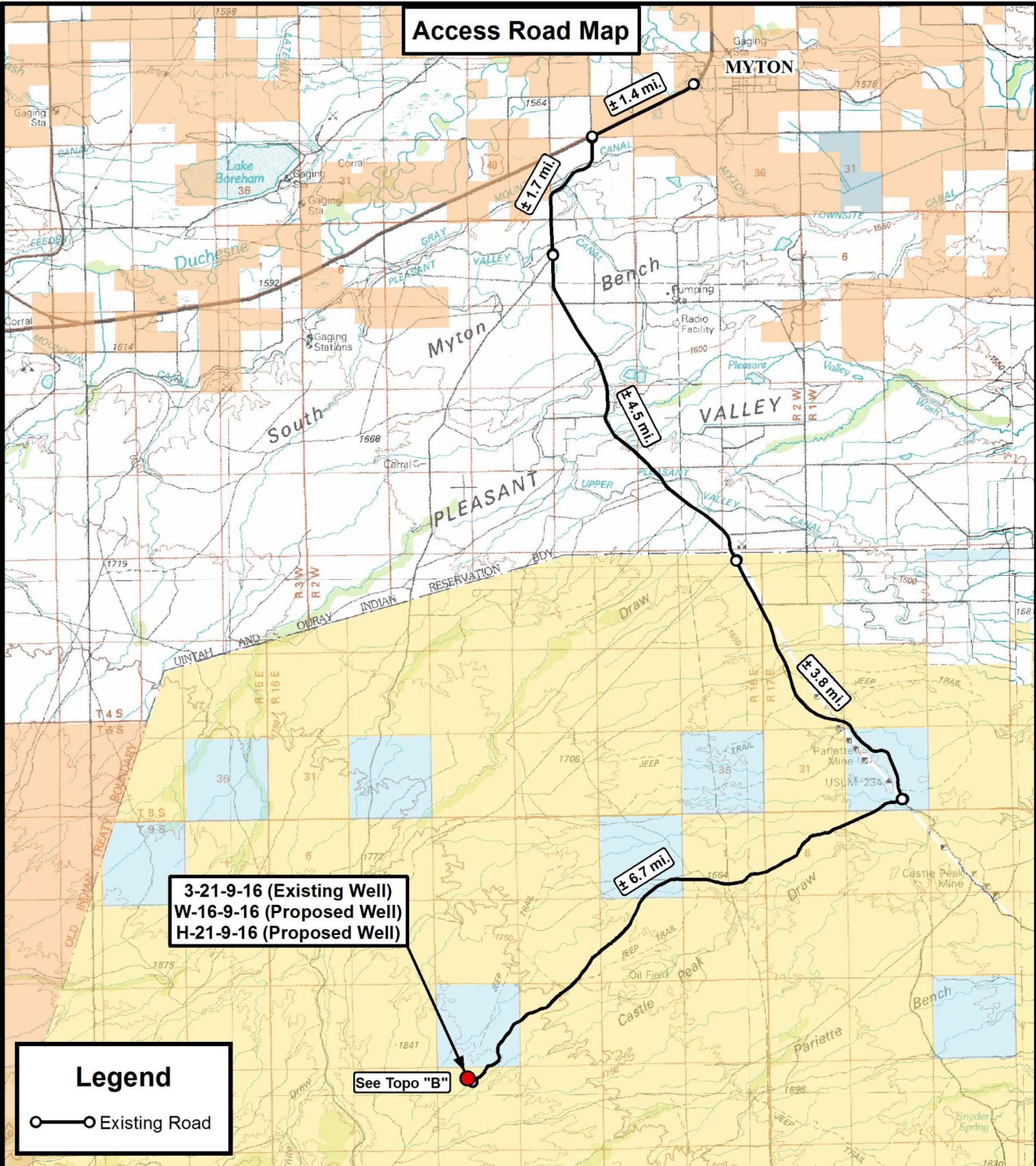
**H-21-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 17.85"  
 LONGITUDE = 110° 07' 36.56"

**TRI STATE LAND SURVEYING & CONSULTING**

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

DATE SURVEYED: 01-10-12	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 05-14-12	DRAWN BY: M.W.	V1
REVISED: 07-12-12 M.W.	SCALE: 1" = 1000'	

# Access Road Map



3-21-9-16 (Existing Well)  
 W-16-9-16 (Proposed Well)  
 H-21-9-16 (Proposed Well)

See Topo "B"

**Legend**

○—○ Existing Road

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

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



## NEWFIELD EXPLORATION COMPANY

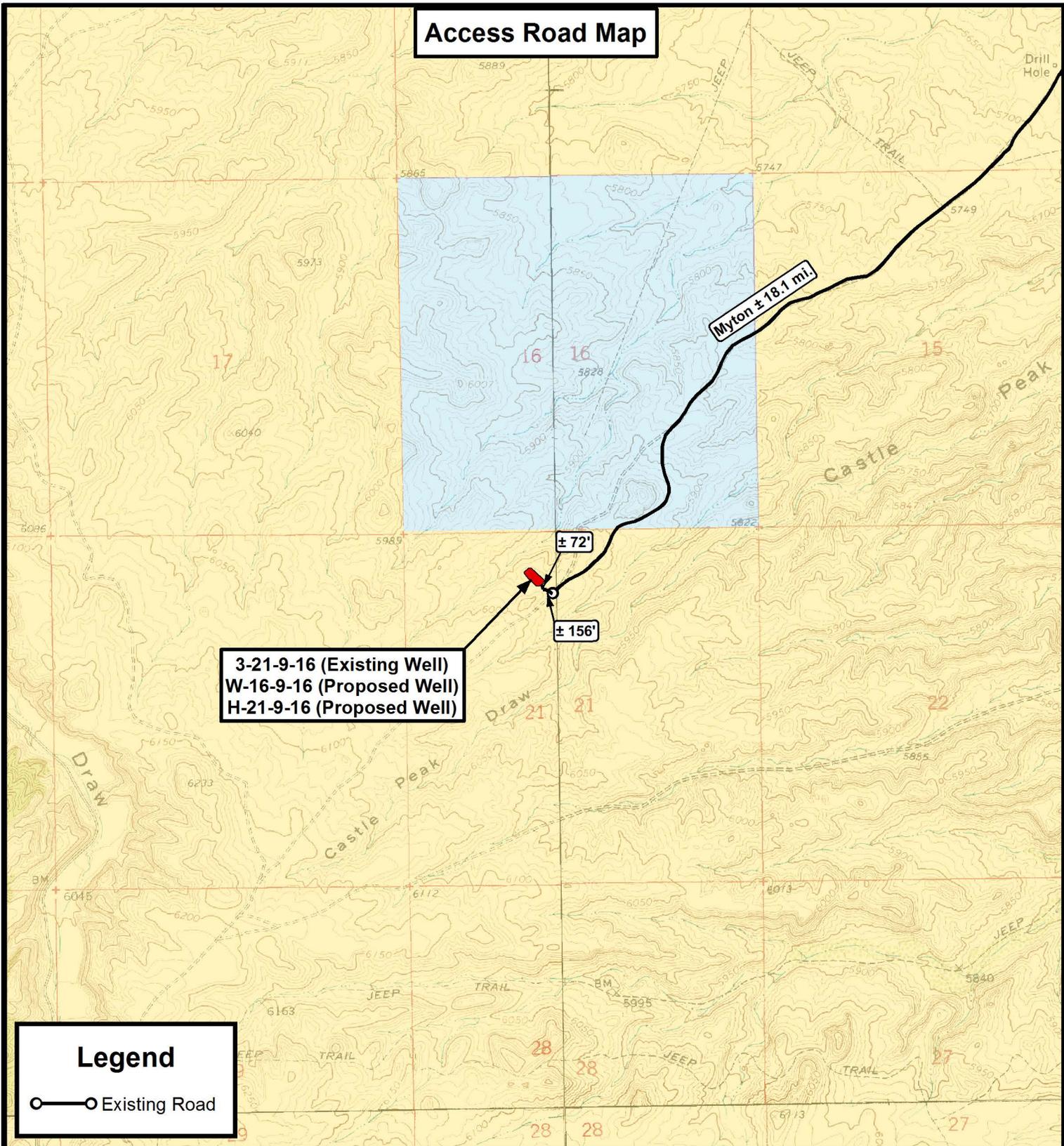
3-21-9-16 (Existing Well)  
 W-16-9-16 (Proposed Well)  
 H-21-9-16 (Proposed Well)  
 SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			<b>V1</b>
SCALE:	1:100,000			

## TOPOGRAPHIC MAP

SHEET  
**A**

**Access Road Map**



**3-21-9-16 (Existing Well)  
W-16-9-16 (Proposed Well)  
H-21-9-16 (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**

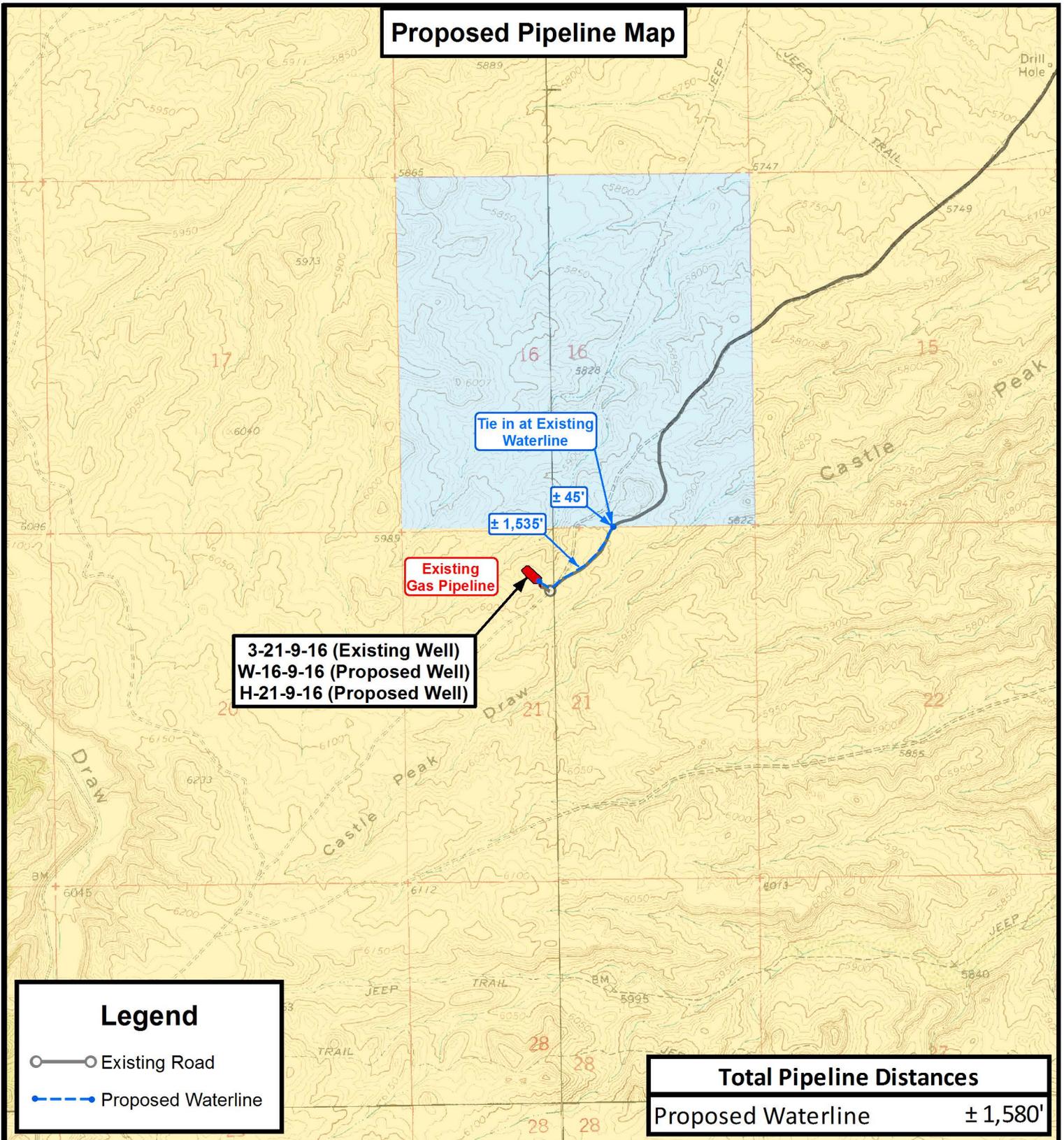
**3-21-9-16 (Existing Well)  
W-16-9-16 (Proposed Well)  
H-21-9-16 (Proposed Well)  
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.**

DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			<b>V1</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



**3-21-9-16 (Existing Well)  
W-16-9-16 (Proposed Well)  
H-21-9-16 (Proposed Well)**

**Legend**

- Existing Road
- Proposed Waterline

Total Pipeline Distances	
Proposed Waterline	± 1,580'

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**NEWFIELD EXPLORATION COMPANY**

3-21-9-16 (Existing Well)  
W-16-9-16 (Proposed Well)  
H-21-9-16 (Proposed Well)  
SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

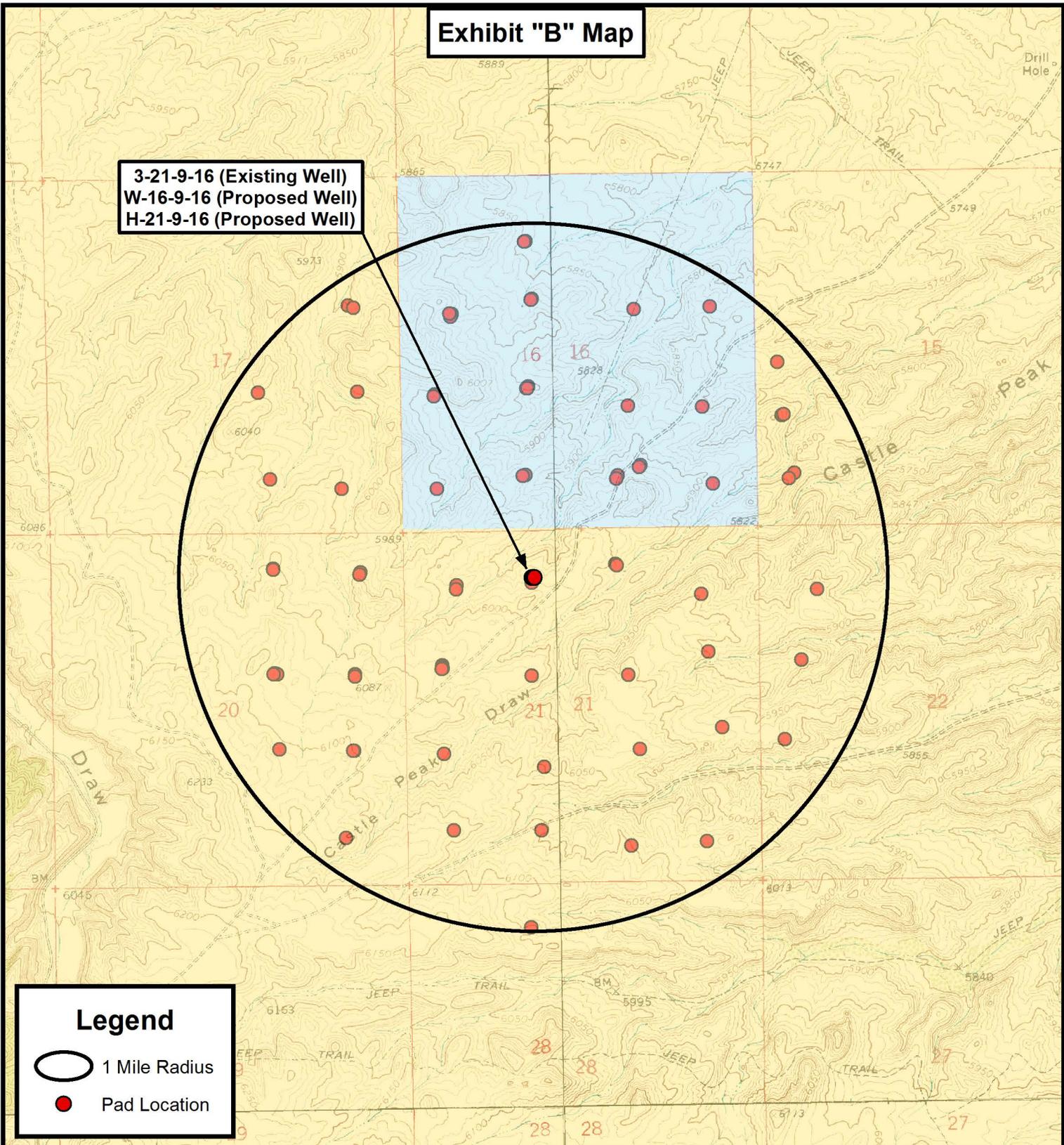
DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:	
DATE:	03-29-2012			<b>V1</b>	
SCALE:	1" = 2,000'				

**TOPOGRAPHIC MAP**

SHEET **C**

**Exhibit "B" Map**

**3-21-9-16 (Existing Well)**  
**W-16-9-16 (Proposed Well)**  
**H-21-9-16 (Proposed Well)**



**Legend**

-  1 Mile Radius
-  Pad Location

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**NEWFIELD EXPLORATION COMPANY**

**3-21-9-16 (Existing Well)**  
**W-16-9-16 (Proposed Well)**  
**H-21-9-16 (Proposed Well)**  
 SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:
DATE:	03-29-2012			<b>V1</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 21 T9S, R16E  
H-21-9-16**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**08 May, 2012**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well H-21-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	H-21-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 21 T9S, R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,178,195.78 ft	<b>Latitude:</b>	40° 1' 4.650 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,023,590.50 ft	<b>Longitude:</b>	110° 7' 54.390 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.88 °

<b>Well</b>	H-21-9-16, SHL LAT: 40 01 17.85 LONG: -110 07 36.56					
<b>Well Position</b>	<b>+N/-S</b>	1,335.5 ft	<b>Northing:</b>	7,179,552.46 ft	<b>Latitude:</b>	40° 1' 17.850 N
	<b>+E/-W</b>	1,387.1 ft	<b>Easting:</b>	2,024,956.92 ft	<b>Longitude:</b>	110° 7' 36.560 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,992.0 ft	<b>Ground Level:</b>	5,980.0 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	5/8/2012	11.22	65.74	52,156

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	4,975.0	0.0	0.0	129.01

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,545.0	14.18	129.01	1,535.4	-73.2	90.4	1.50	1.50	0.00	129.01	
5,092.6	14.18	129.01	4,975.0	-620.1	765.4	0.00	0.00	0.00	0.00	H-21-9-16 TGT
6,026.1	14.18	129.01	5,880.0	-763.9	943.1	0.00	0.00	0.00	0.00	



**Payzone Directional**

Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well H-21-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	H-21-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	129.01	700.0	-0.8	1.0	1.3	1.50	1.50	0.00
800.0	3.00	129.01	799.9	-3.3	4.1	5.2	1.50	1.50	0.00
900.0	4.50	129.01	899.7	-7.4	9.1	11.8	1.50	1.50	0.00
1,000.0	6.00	129.01	999.3	-13.2	16.3	20.9	1.50	1.50	0.00
1,100.0	7.50	129.01	1,098.6	-20.6	25.4	32.7	1.50	1.50	0.00
1,200.0	9.00	129.01	1,197.5	-29.6	36.5	47.0	1.50	1.50	0.00
1,300.0	10.50	129.01	1,296.1	-40.3	49.7	64.0	1.50	1.50	0.00
1,400.0	12.00	129.01	1,394.2	-52.5	64.9	83.5	1.50	1.50	0.00
1,500.0	13.50	129.01	1,491.7	-66.4	82.0	105.5	1.50	1.50	0.00
1,545.0	14.18	129.01	1,535.4	-73.2	90.4	116.3	1.50	1.50	0.00
1,600.0	14.18	129.01	1,588.7	-81.7	100.8	129.8	0.00	0.00	0.00
1,700.0	14.18	129.01	1,685.7	-97.1	119.9	154.3	0.00	0.00	0.00
1,800.0	14.18	129.01	1,782.6	-112.5	138.9	178.7	0.00	0.00	0.00
1,900.0	14.18	129.01	1,879.6	-127.9	157.9	203.2	0.00	0.00	0.00
2,000.0	14.18	129.01	1,976.5	-143.3	177.0	227.7	0.00	0.00	0.00
2,100.0	14.18	129.01	2,073.5	-158.8	196.0	252.2	0.00	0.00	0.00
2,200.0	14.18	129.01	2,170.4	-174.2	215.0	276.7	0.00	0.00	0.00
2,300.0	14.18	129.01	2,267.4	-189.6	234.0	301.2	0.00	0.00	0.00
2,400.0	14.18	129.01	2,364.4	-205.0	253.1	325.7	0.00	0.00	0.00
2,500.0	14.18	129.01	2,461.3	-220.4	272.1	350.2	0.00	0.00	0.00
2,600.0	14.18	129.01	2,558.3	-235.8	291.1	374.7	0.00	0.00	0.00
2,700.0	14.18	129.01	2,655.2	-251.2	310.2	399.1	0.00	0.00	0.00
2,800.0	14.18	129.01	2,752.2	-266.7	329.2	423.6	0.00	0.00	0.00
2,900.0	14.18	129.01	2,849.1	-282.1	348.2	448.1	0.00	0.00	0.00
3,000.0	14.18	129.01	2,946.1	-297.5	367.2	472.6	0.00	0.00	0.00
3,100.0	14.18	129.01	3,043.0	-312.9	386.3	497.1	0.00	0.00	0.00
3,200.0	14.18	129.01	3,140.0	-328.3	405.3	521.6	0.00	0.00	0.00
3,300.0	14.18	129.01	3,237.0	-343.7	424.3	546.1	0.00	0.00	0.00
3,400.0	14.18	129.01	3,333.9	-359.1	443.4	570.6	0.00	0.00	0.00
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3,600.0	14.18	129.01	3,527.8	-390.0	481.4	619.5	0.00	0.00	0.00
3,700.0	14.18	129.01	3,624.8	-405.4	500.4	644.0	0.00	0.00	0.00
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4,000.0	14.18	129.01	3,915.6	-451.6	557.5	717.5	0.00	0.00	0.00
4,100.0	14.18	129.01	4,012.6	-467.0	576.6	742.0	0.00	0.00	0.00
4,200.0	14.18	129.01	4,109.5	-482.5	595.6	766.5	0.00	0.00	0.00
4,300.0	14.18	129.01	4,206.5	-497.9	614.6	791.0	0.00	0.00	0.00
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4,500.0	14.18	129.01	4,400.4	-528.7	652.7	839.9	0.00	0.00	0.00
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4,800.0	14.18	129.01	4,691.3	-575.0	709.8	913.4	0.00	0.00	0.00
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5,000.0	14.18	129.01	4,885.2	-605.8	747.8	962.4	0.00	0.00	0.00
5,092.6	14.18	129.01	4,975.0	-620.1	765.4	985.1	0.00	0.00	0.00
5,100.0	14.18	129.01	4,982.1	-621.2	766.8	986.9	0.00	0.00	0.00



**Payzone Directional**  
Planning Report

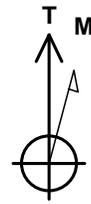


<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well H-21-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	H-21-9-16 @ 5992.0ft (Original Well Elev)
<b>Site:</b>	SECTION 21 T9S, R16E	<b>North Reference:</b>	True
<b>Well:</b>	H-21-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	14.18	129.01	5,079.1	-636.6	785.9	1,011.4	0.00	0.00	0.00
5,300.0	14.18	129.01	5,176.1	-652.0	804.9	1,035.9	0.00	0.00	0.00
5,400.0	14.18	129.01	5,273.0	-667.4	823.9	1,060.3	0.00	0.00	0.00
5,500.0	14.18	129.01	5,370.0	-682.9	843.0	1,084.8	0.00	0.00	0.00
5,600.0	14.18	129.01	5,466.9	-698.3	862.0	1,109.3	0.00	0.00	0.00
5,700.0	14.18	129.01	5,563.9	-713.7	881.0	1,133.8	0.00	0.00	0.00
5,800.0	14.18	129.01	5,660.8	-729.1	900.0	1,158.3	0.00	0.00	0.00
5,900.0	14.18	129.01	5,757.8	-744.5	919.1	1,182.8	0.00	0.00	0.00
6,000.0	14.18	129.01	5,854.7	-759.9	938.1	1,207.3	0.00	0.00	0.00
6,026.1	14.18	129.01	5,880.0	-763.9	943.1	1,213.7	0.00	0.00	0.00



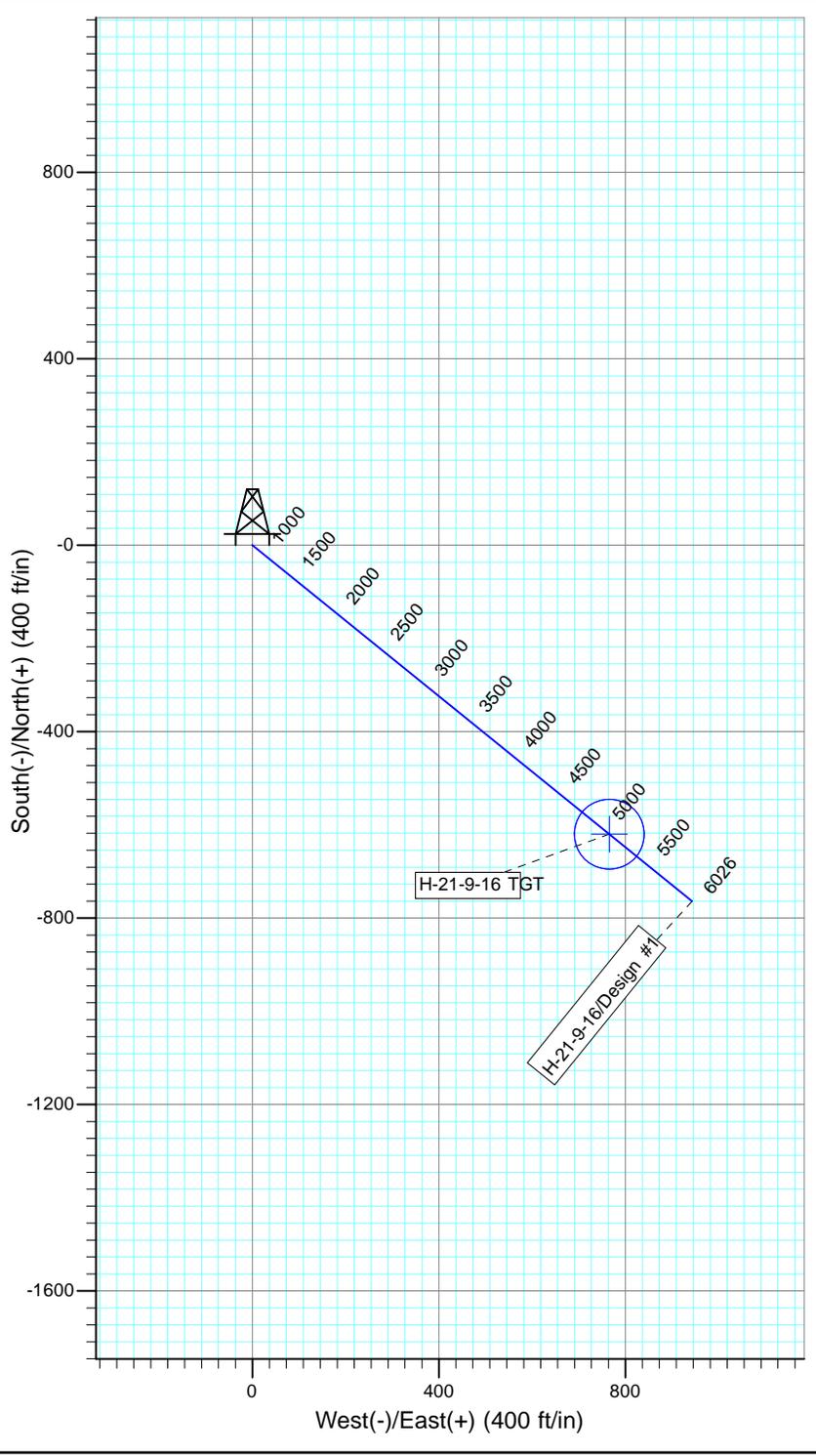
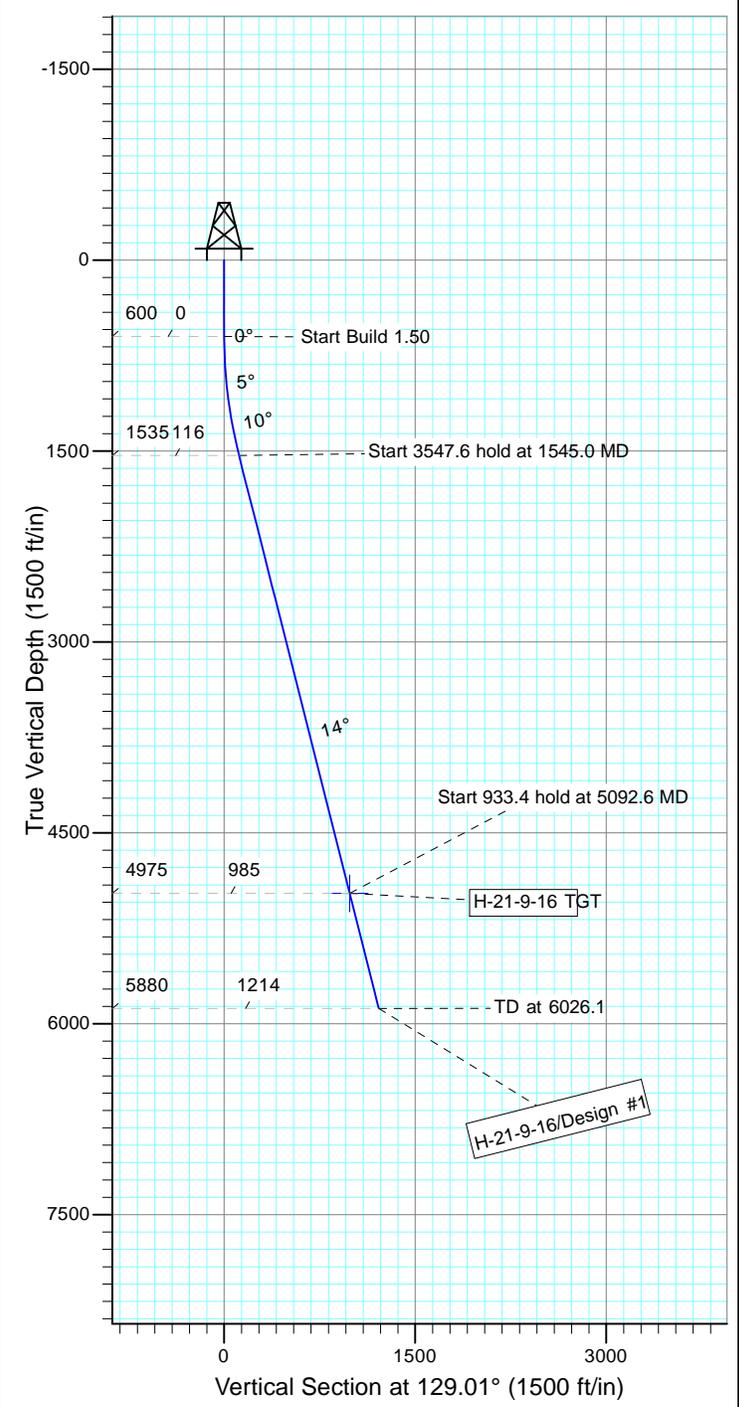
Project: USGS Myton SW (UT)  
 Site: SECTION 21 T9S, R16E  
 Well: H-21-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.22°

Magnetic Field  
 Strength: 52156.2snT  
 Dip Angle: 65.74°  
 Date: 5/8/2012  
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
H-21-9-16 TGT	4975.0	-620.1	765.4	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	1545.0	14.18	129.01	1535.4	-73.2	90.4	1.50	129.01	116.3	
4	5092.6	14.18	129.01	4975.0	-620.1	765.4	0.00	0.00	985.1	H-21-9-16 TGT
5	6026.1	14.18	129.01	5880.0	-763.9	943.1	0.00	0.00	1213.7	



**NEWFIELD PRODUCTION COMPANY  
GMBU H-21-9-16  
AT SURFACE: NE/NW SECTION 21, T9S R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU H-21-9-16 located in the NE 1/4 NW 1/4 Section 21, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 10.0 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.7 miles  $\pm$  to it's junction with an existing road to the north; proceed in a northerly direction – 228'  $\pm$  to the existing 3-21-9-16 well location.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 3-21-9-16 well pad. See attached **Topographic Map "B"**.

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

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

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

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

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

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-05-MQ-0709b 7/25/05, prepared by Montgomery Archaeological

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

Newfield Production Company requests 1,580' of buried water line be granted. **Refer to Topographic Map "C"**. The proposed pipelines will be constructed using the following procedures as outlined in the Greater Monument Butte Green River Development SOP.

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.

#### **Water Disposal**

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

#### **Additional Surface Stipulations**

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

#### **Details of the On-Site Inspection**

The proposed GMBU H-21-9-16 was on-sited on 5/18/12. The following were present; Corie Miller (Newfield Production), Janna Simonsen (Bureau of Land Management), and Dave Gordon (Bureau of Land Management).

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU H-21-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU H-21-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-21-9-16, Section 21, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is

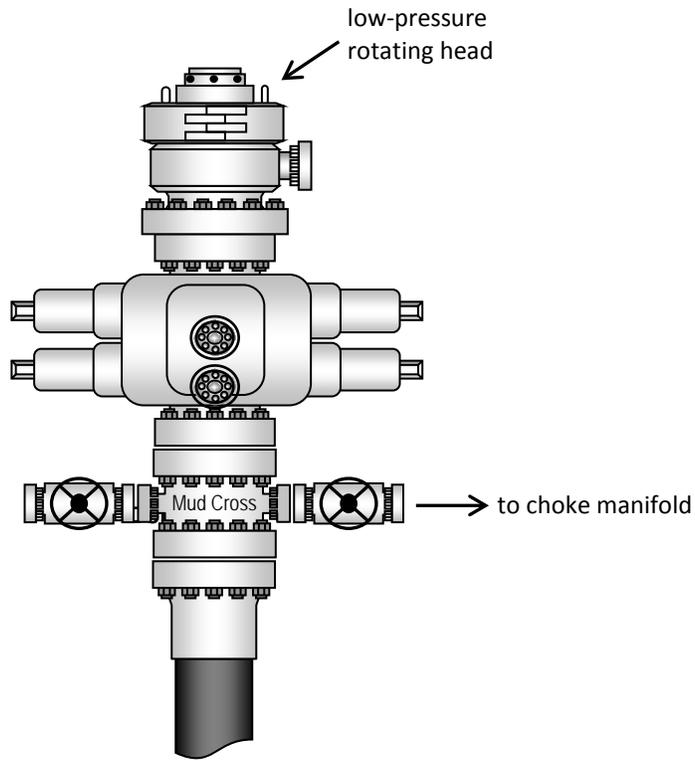
responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

7/12/12  
Date

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

### Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

3-21-9-16 (Existing Well)

W-16-9-16 (Proposed Well)

H-21-9-16 (Proposed Well)

Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

W-16-9-16 (PROPOSED)  
726' FNL & 1924' FWL

H-21-9-16 (PROPOSED)  
726' FNL & 1945' FWL

### BOTTOM HOLE FOOTAGES

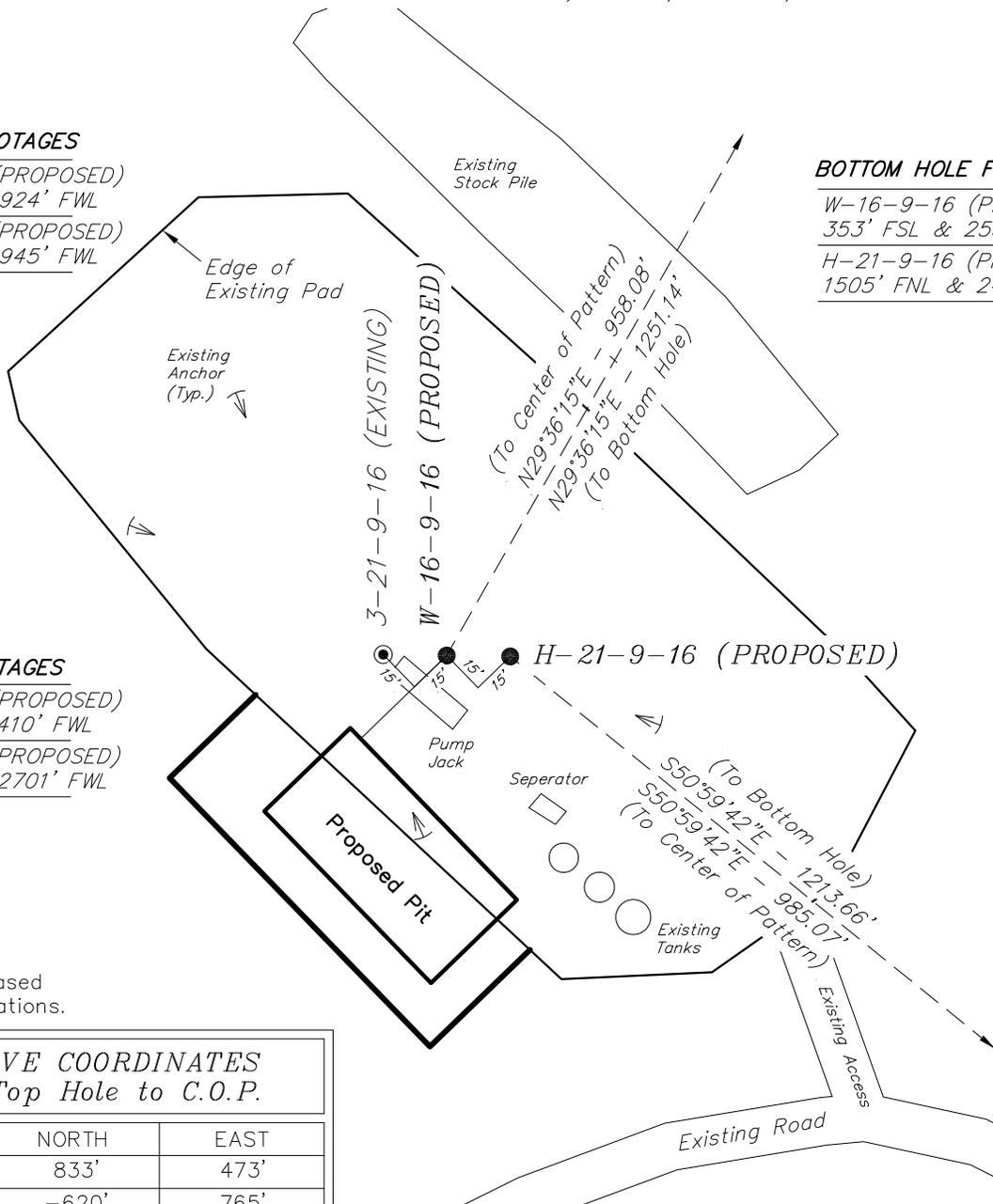
W-16-9-16 (PROPOSED)  
353' FSL & 2559' FWL

H-21-9-16 (PROPOSED)  
1505' FNL & 2434' FEL

### CENTER OF PATTERN FOOTAGES

W-16-9-16 (PROPOSED)  
100' FSL & 2410' FWL

H-21-9-16 (PROPOSED)  
1358' FNL & 2701' FWL



**Note:**

Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
W-16-9-16	833'	473'
H-21-9-16	-620'	765'

### RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
W-16-9-16	1,088'	618'
H-21-9-16	-764'	943'

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

WELL	LATITUDE	LONGITUDE
3-21-9-16	40° 01' 17.86"	110° 07' 37.10"
W-16-9-16	40° 01' 17.85"	110° 07' 36.83"
H-21-9-16	40° 01' 17.85"	110° 07' 36.56"

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION: V1
DRAWN BY: M.W.	DATE DRAWN: 05-14-12	
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12	

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

# NEWFIELD EXPLORATION COMPANY

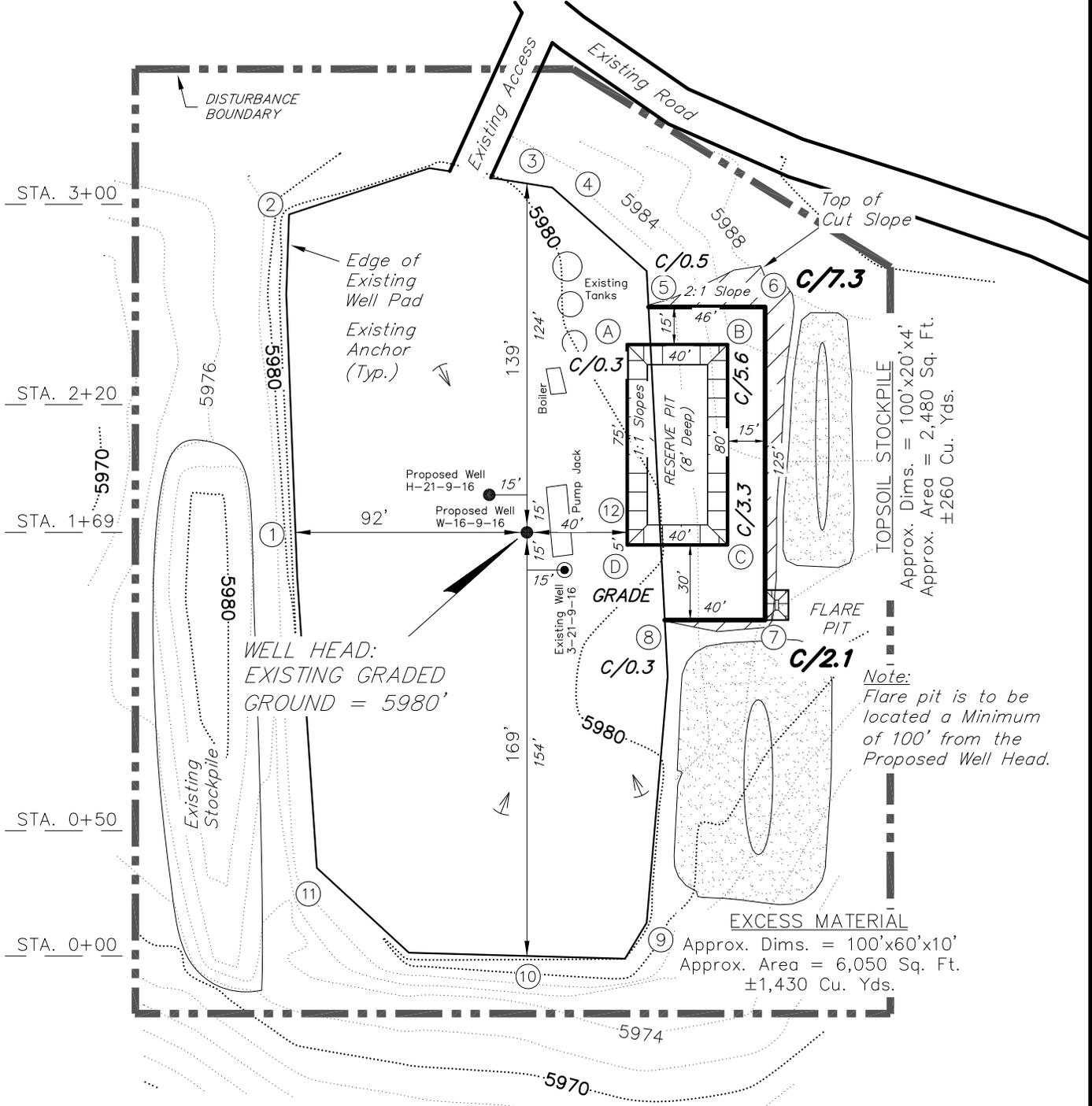
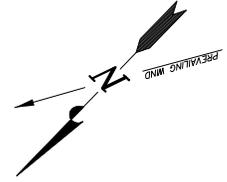
## LOCATION LAYOUT

3-21-9-16 (Existing Well)

W-16-9-16 (Proposed Well)

H-21-9-16 (Proposed Well)

Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.



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

**NOTE:**  
The topsoil & excess material areas are calculated as being mounds containing 1,690 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: C.S.	DATE SURVEYED: 01-10-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-26-12	V1
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12	

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

# NEWFIELD EXPLORATION COMPANY

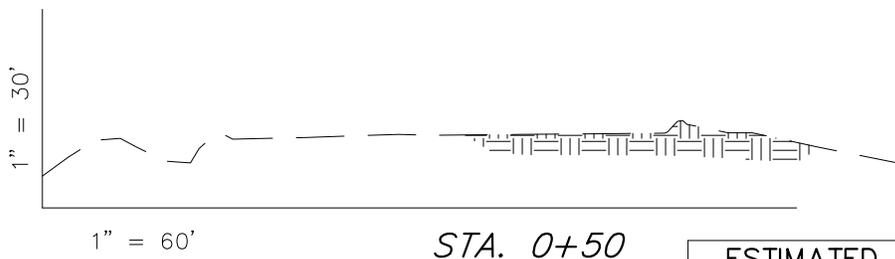
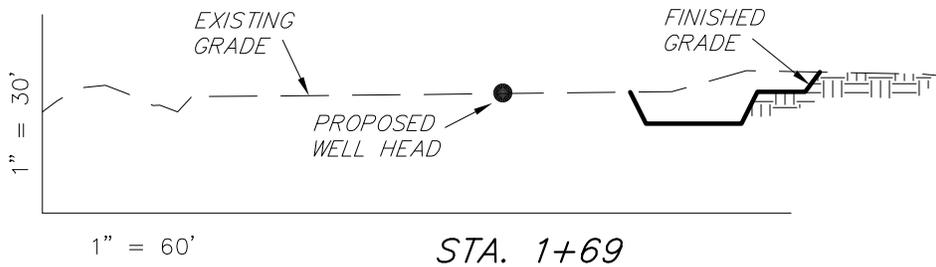
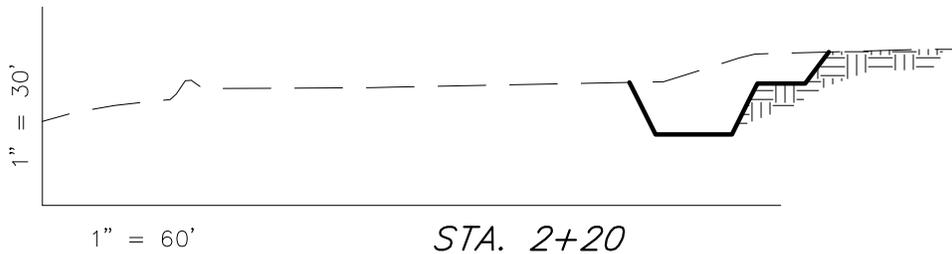
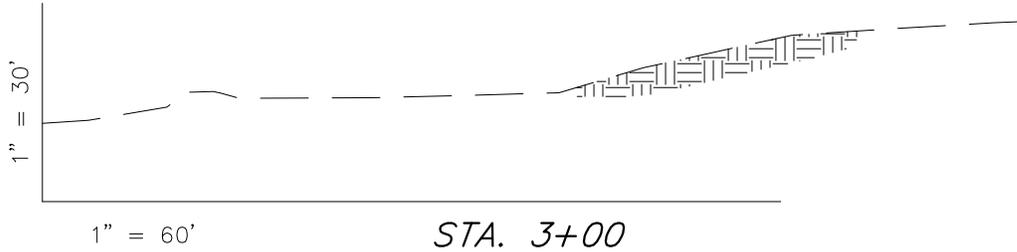
## CROSS SECTIONS

**3-21-9-16 (Existing Well)**

**W-16-9-16 (Proposed Well)**

**H-21-9-16 (Proposed Well)**

*Pad Location: NENW Section 21, T9S, R16E, S.L.B.&M.*



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	610	0	Topsoil is not included in Pad Cut	610
PIT	690	0		690
<b>TOTALS</b>	<b>1,300</b>	<b>0</b>	<b>240</b>	<b>1,300</b>

SURVEYED BY: C.S.	DATE SURVEYED: 01-10-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-26-12	V1
SCALE: 1" = 60'	REVISED: M.W. - 07-12-12	

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

**RECEIVED:** July 16, 2012







VIA ELECTRONIC DELIVERY

July 23, 2012

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

RE: Directional Drilling  
**GMBU H-21-9-16**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 21: NENW (UTU-64379)  
726' FNL 1945' FWL

At Target: T9S-R16E Section 21: SWNE (UTU-64379)  
1505' FNL 2434' 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 7/19/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in cursive script that reads "Leslie Burget". The signature is written in dark ink and is positioned above the printed name and title.

Leslie Burget  
Land Associate

Form 3160-3  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU64379
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU H-21-9-16
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 NENW 726FNL 1945FWL At proposed prod. zone SWNE 1505FNL 2434FEL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 18.2		11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T9S R16E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1135'	16. No. of Acres in Lease 1626.30	12. County or Parish DUCHESNE
17. Spacing Unit dedicated to this well 20.00	13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1134'	19. Proposed Depth 6026 MD 5880 TVD	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5980 GL	22. Approximate date work will start 10/31/2012	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 07/19/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

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

**Electronic Submission #143462 verified by the BLM Well Information System  
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal**

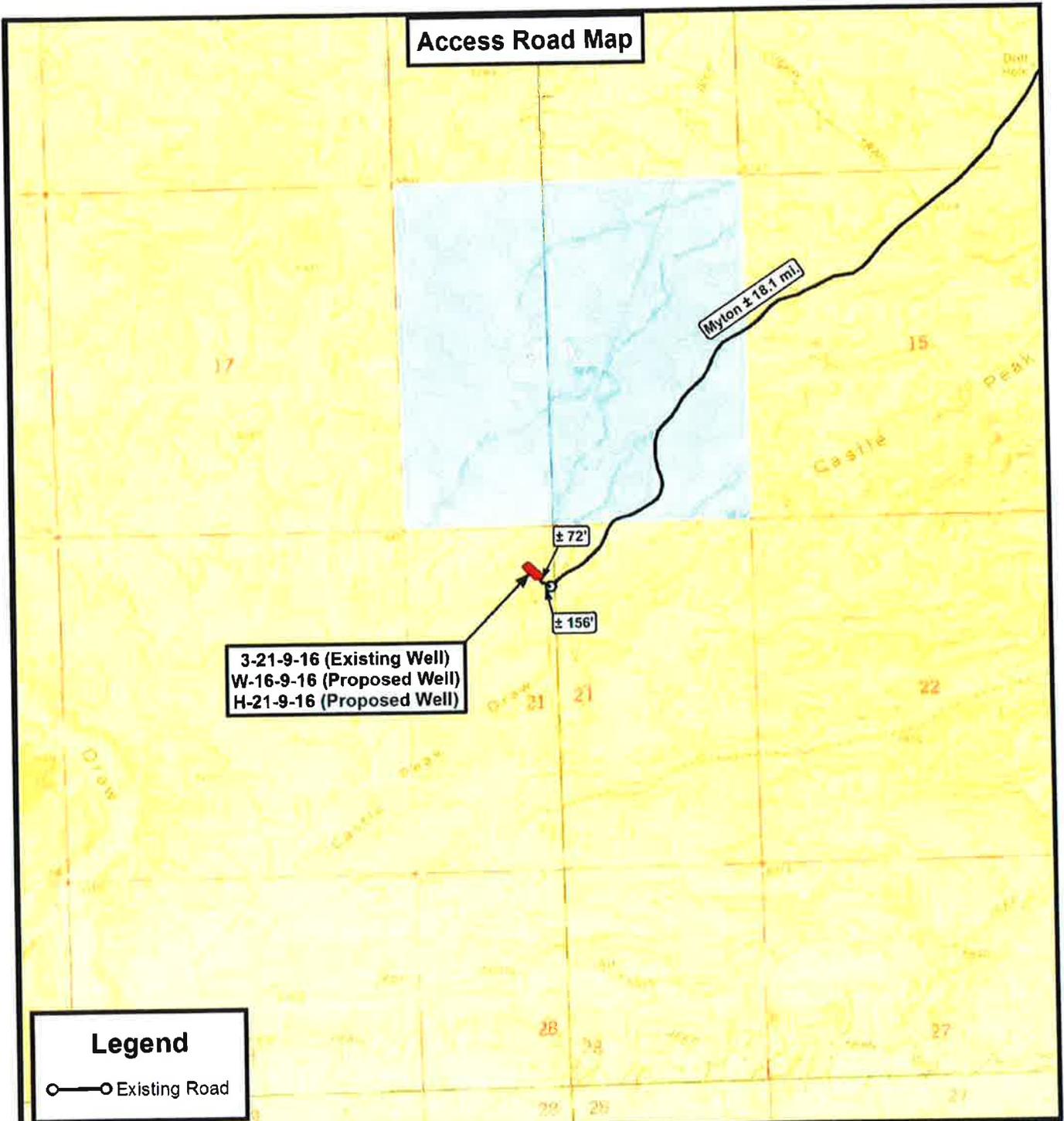
**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

API Well Number: 43013515820000

**Additional Operator Remarks:**

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





3-21-9-16 (Existing Well)  
 W-16-9-16 (Proposed Well)  
 H-21-9-16 (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**

3-21-9-16 (Existing Well)  
 W-16-9-16 (Proposed Well)  
 H-21-9-16 (Proposed Well)

SEC. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	07-12-12 D.C.R.	VERSION:	
DATE:	03-29-2012			V1	
SCALE:	1" = 2,000'				

**TOPOGRAPHIC MAP**

SHEET  
**B**

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:****3160****(UT-922)**

July 31, 2012

## Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

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

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

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

RECEIVED: July 31, 2012

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

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

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

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

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

MCoulthard:mc:7-31-12

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/16/2012

API NO. ASSIGNED: 43013515820000

WELL NAME: GMBU H-21-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENW 21 090S 160E

Permit Tech Review: 

SURFACE: 0726 FNL 1945 FWL

Engineering Review: 

BOTTOM: 1505 FNL 2434 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.02154

LONGITUDE: -110.12686

UTM SURF EASTINGS: 574508.00

NORTHINGS: 4430513.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64379

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

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

Commingle Approved

## LOCATION AND SITING:

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

Comments: Presite Completed

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



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU H-21-9-16  
**API Well Number:** 43013515820000  
**Lease Number:** UTU-64379  
**Surface Owner:** FEDERAL  
**Approval Date:** 8/2/2012

### Issued to:

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

### Authority:

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

### Duration:

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

### General:

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

### Conditions of Approval:

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

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

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

### Notification Requirements:

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

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

(please leave a voicemail message if not available)

OR

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

**Reporting Requirements:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64379	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Oil Well	
<b>8. WELL NAME and NUMBER:</b> GMBU H-21-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013515820000	
<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> 0726 FNL 1945 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 21 Township: 09.0S Range: 16.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/2/2013	<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
<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:** July 16, 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> 7/15/2013	



**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 43013515820000**

API: 43013515820000

Well Name: GMBU H-21-9-16

Location: 0726 FNL 1945 FWL QTR NENW SEC 21 TWNP 090S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/2/2012

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

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

Signature: Mandie Crozier

Date: 7/15/2013

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64379
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</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>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 H-21-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013515820000
<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> 0726 FNL 1945 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 21 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/27/2013  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 11/27/13 Drill and set 6' of 14" conductor. Drill and set 313.8' KB of 12 1/4 hole. Run 7 jts of 8 5/8" casing set depth 314' KB. On 11/19/13 200sx of 15.8# 1.17 yield G Neat cement. Returned 10bbls, bump plug to 450psi.</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2013</b></p>		
<b>NAME (PLEASE PRINT)</b> Cherei Neilson	<b>PHONE NUMBER</b> 435 646-4883	<b>TITLE</b> Drilling Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/3/2013	

NEWFIELD

## Casing

Conductor

Legal Well Name GMBU H-21-9-16		Wellbore Name Original Hole	
API/UWI 43013515820000	Surface Legal Location NENW 726 FNL 1945 FWL Sec 21 T9S R16E Mer SLB	Field Name GMBU CTB5	Well Type Development
Well RC 500343077	County Duchesne	State/Province Utah	Spud Date 11/27/2013 08:00
		Well Configuration Type Slant	
		Final Rig Release Date	

<b>Wellbore</b>			
Wellbore Name Original Hole		Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)
Conductor	14	10	16
Start Date		End Date	
11/27/2013		11/27/2013	

<b>Wellhead</b>			
Type	Install Date	Service	Comment

<b>Wellhead Components</b>				
Des	Make	Model	SN	WP Top (psi)

<b>Casing</b>			
Casing Description Conductor	Set Depth (ftKB) 16	Run Date 11/27/2013	Set Tension (kips)
Centralizers	Scratchers		

<b>Casing Components</b>												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40		1	6.00	10.0	16.0			

<b>Jewelry Details</b>							
<b>External Casing Packer</b>							
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

<b>Slotted Liner</b>							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

<b>Liner Hanger</b>						
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)	Polish Bore Length (ft)	
Slip Description				Set Mechanics		
Setting Procedure						
Unsetting Procedure						

NEWFIELD

## Casing

Surface

Legal Well Name GMBU H-21-9-16		Wellbore Name Original Hole	
API/UWI 43013515820000	Surface Legal Location NENW 726 FNL 1945 FWL Sec 21 T9S R16E Mer SLB	Field Name GMBU CTB5	Well Type Development
Well RC 500343077	County Duchesne	State/Province Utah	Spud Date 11/27/2013 08:00
		Well Configuration Type Slant	
Final Rig Release Date			

<b>Wellbore</b>					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	16	11/27/2013	11/27/2013
Vertical	12 1/4	16	319	11/27/2013	11/27/2013

<b>Wellhead</b>				
Type	Install Date	Service	Comment	

<b>Wellhead Components</b>				
Des	Make	Model	SN	W/P Top (psi)

<b>Casing</b>				
Casing Description Surface	Set Depth (ftKB)	314	Run Date 11/27/2013	Set Tension (kips)
Centralizers 3	Scratchers			

<b>Casing Components</b>												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	STC	1	2.20	10.0	12.2			
Cut Off	8 5/8	8.097	24.00	J-55	STC	1	42.45	12.2	54.7			
Casing Joints	8 5/8	8.097	24.00	J-55	STC	5	223.25	54.7	277.9			
Float Collar	8 5/8	8.097	24.00	J-55	STC	1	1.00	277.9	278.9			
Shoe Joint	8 5/8	8.097	24.00	J-55	STC	1	33.60	278.9	312.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	STC	1	1.50	312.5	314.0			

<b>Jewelry Details</b>							
<b>External Casing Packer</b>							
Type	Setting Requirement	Release Requirements		Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)	
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

<b>Slotted Liner</b>							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

<b>Liner Hanger</b>							
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)	Polish Bore Length (ft)		
Slip Description				Set Mechanics			
Setting Procedure							
Unsetting Procedure							

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29  
Submitted By Branden Arnold Phone Number 435-401-0223  
Well Name/Number GMBU H-21-9-16  
Qtr/Qtr NE/NW Section 21 Township 9S Range 16E  
Lease Serial Number UTU-64379  
API Number 43-013-51582

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

Date/Time 11/27/13 7:00 AM  PM

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

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

Date/Time 11/27/13 3:00 AM  PM

BOPE

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

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

Remarks \_\_\_\_\_

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BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1  
Submitted By Ryan Crum Phone Number 823-7065  
Well Name/Number GMBU H-21-9-16  
Qtr/Qtr NE/NW Section 21 Township 9s Range 16E  
Lease Serial Number UTU-64379  
API Number 43-013-51582

Rig Move Notice – Move drilling rig to new location.

Date/Time 12/10/13 7:00 AM  PM

BOPE

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

Date/Time 12/10/13 12:00 AM  PM

Remarks \_\_\_\_\_

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BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1  
Submitted By Ryan Crum Phone Number 823-7065  
Well Name/Number GMBU H-21-9-16  
Qtr/Qtr NE/NW Section 21 Township 9s Range 16e  
Lease Serial Number UTU-64379  
API Number 43-013-51582

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

Date/Time 12/12/13 6:00 AM  PM

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

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

Date/Time 12/13/13 5:00 AM  PM

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**NEWFIELD**

**Schematic**

**Well Name: GMBU H-21-9-16**

43-013-51582

Surface Legal Location <b>NENW 726 FNL 1945 FWL Sec 21 T9S R16E Mer SLB</b>		API/UWI 43013515820000	Well RC 500343077	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 11/27/2013	Rig Release Date 12/14/2013	On Production Date	Original KB Elevation (ft) 5,990	Ground Elevation (ft) 5,980	Total Depth All (TVD) (ftKB) Original Hole - 6,033.1	PBTD (All) (ftKB) Original Hole - 6,142.1	

**Most Recent Job**

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/30/2013	Job End Date 1/15/2014
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**TD: 6,185.0**

Slant - Original Hole, 2/28/2014 6:30:44 AM

