

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU S-18-9-16				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-64379			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT 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		1995 FSL 1925 FEL		NWSE	18	9.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1590 FSL 1548 FEL		NWSE	18	9.0 S	16.0 E	S		
At Total Depth		1169 FSL 1177 FEL		SESE	18	9.0 S	16.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1177			23. NUMBER OF ACRES IN DRILLING UNIT 20				
27. ELEVATION - GROUND LEVEL 5927			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1085			26. PROPOSED DEPTH MD: 6016 TVD: 5893				
28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 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 - 6016	15.5	J-55 LT&C	8.3	Premium Lite High Strength	277	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					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 07/16/2012			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013516080000				APPROVAL <div style="text-align: right;">  Permit Manager </div>						

NEWFIELD PRODUCTION COMPANY
GMBU S-18-9-16
AT SURFACE: NW/SE SECTION 18, 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' – 1390'
Green River	1390'
Wasatch	6040'
Proposed TD	6016'

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

Green River Formation (Oil)	1390' – 6040'
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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 ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM****a. Casing Design: GMBU S-18-9-16**

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'	6,016'	15.5	J-55	LTC	4,810 2.51	4,040 2.11	217,000 2.33

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 S-18-9-16

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,016'	Prem Lite II w/ 10% gel + 3% KCl	277	30%	11.0	3.26
			905			
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 ± 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 ± 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

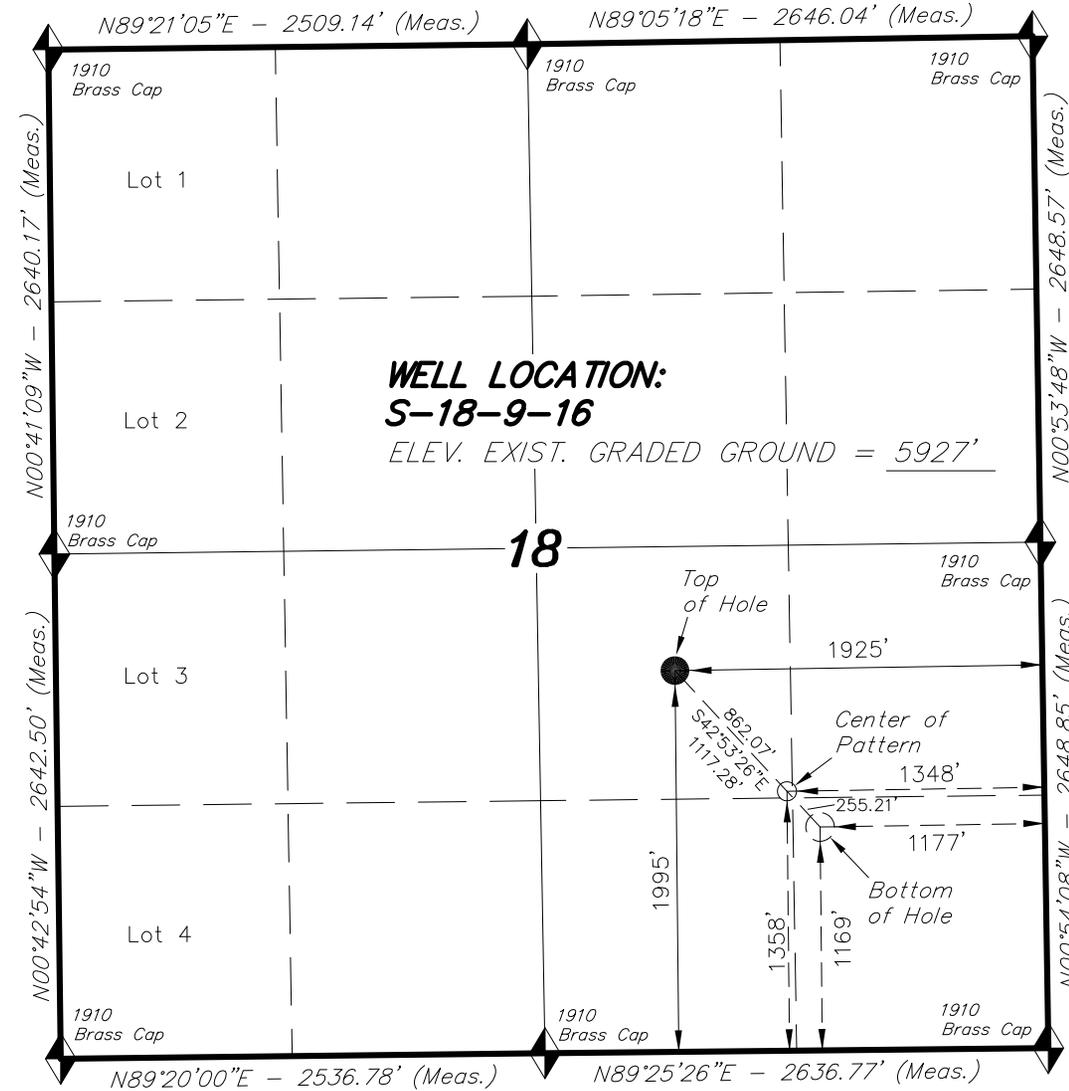
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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.

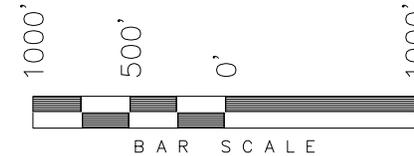
NEWFIELD EXPLORATION COMPANY



WELL LOCATION:
S-18-9-16
 ELEV. EXIST. GRADED GROUND = 5927'

WELL LOCATION, S-18-9-16, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 18, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, S-18-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 18, 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
 No. 189377
 05-31-12
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 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'

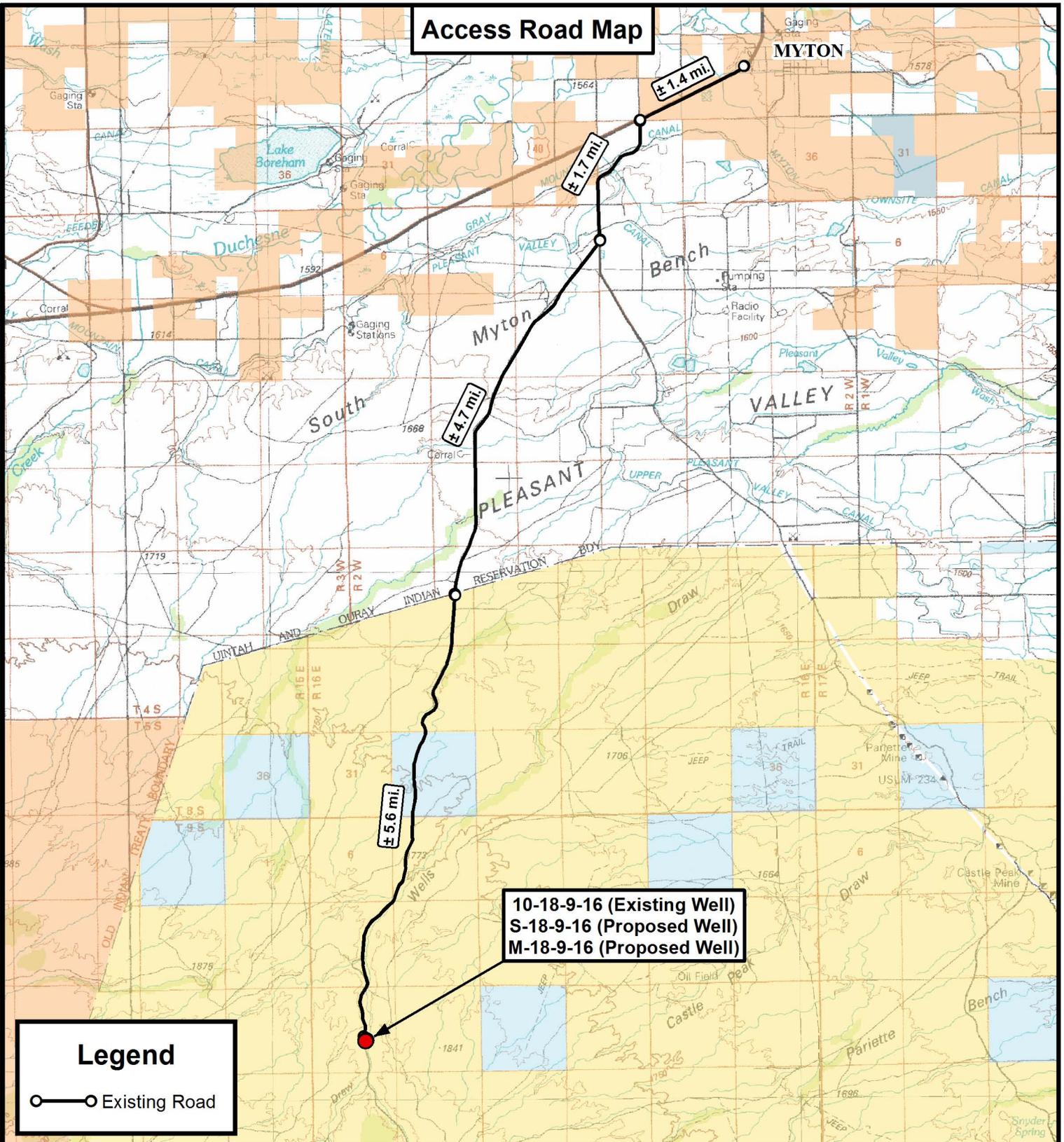
S-18-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 44.88"
 LONGITUDE = 110° 09' 34.19"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 03-02-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 05-21-12	DRAWN BY: M.W.	V3
REVISED: 05-30-12 F.T.M.	SCALE: 1" = 1000'	

Access Road Map



**10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (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.
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NEWFIELD EXPLORATION COMPANY

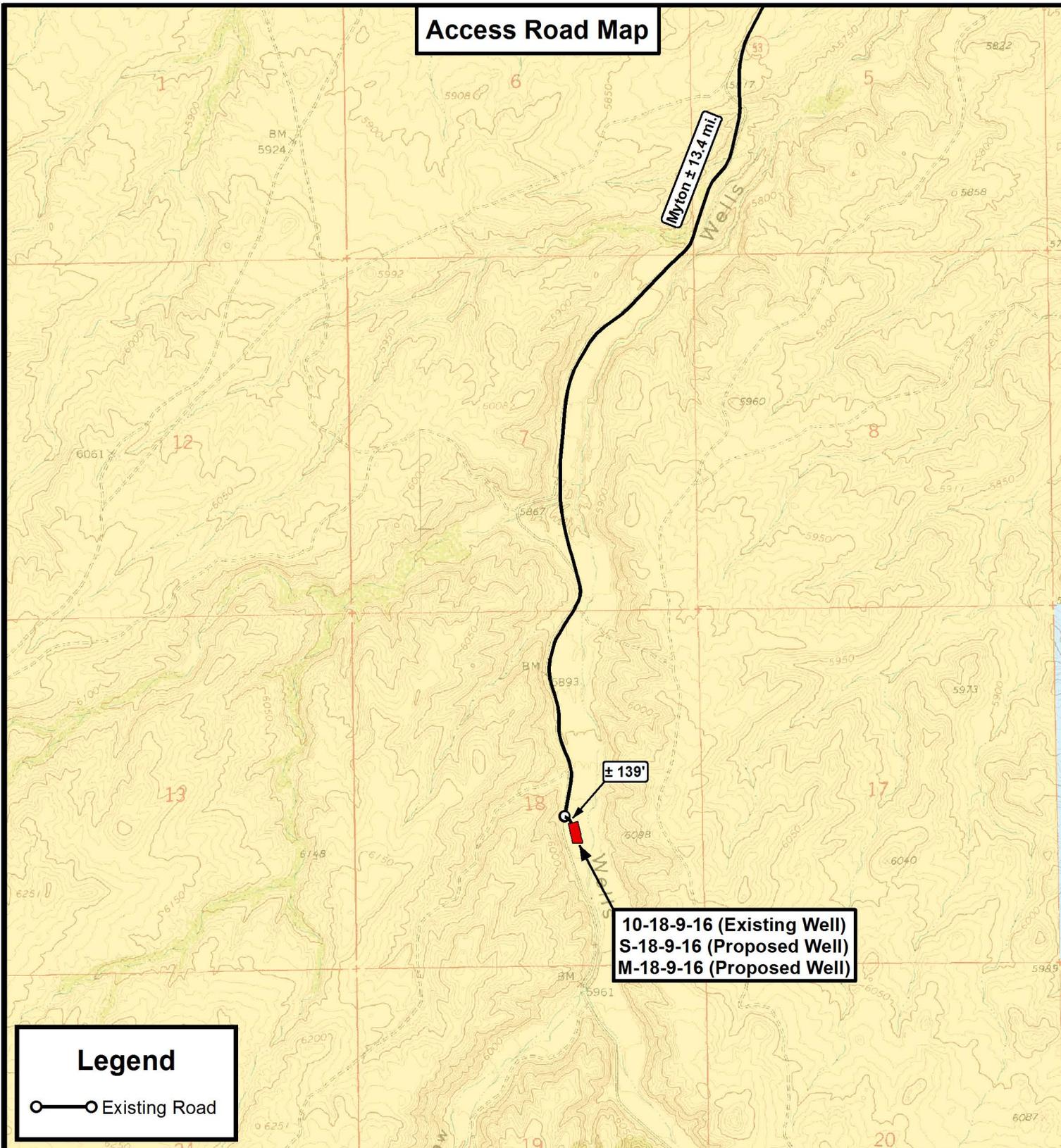
10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (Proposed Well)
SEC. 18, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-30-12 A.P.C.	VERSION:
DATE:	03-12-2012			V3
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



Legend

○ — ○ Existing Road

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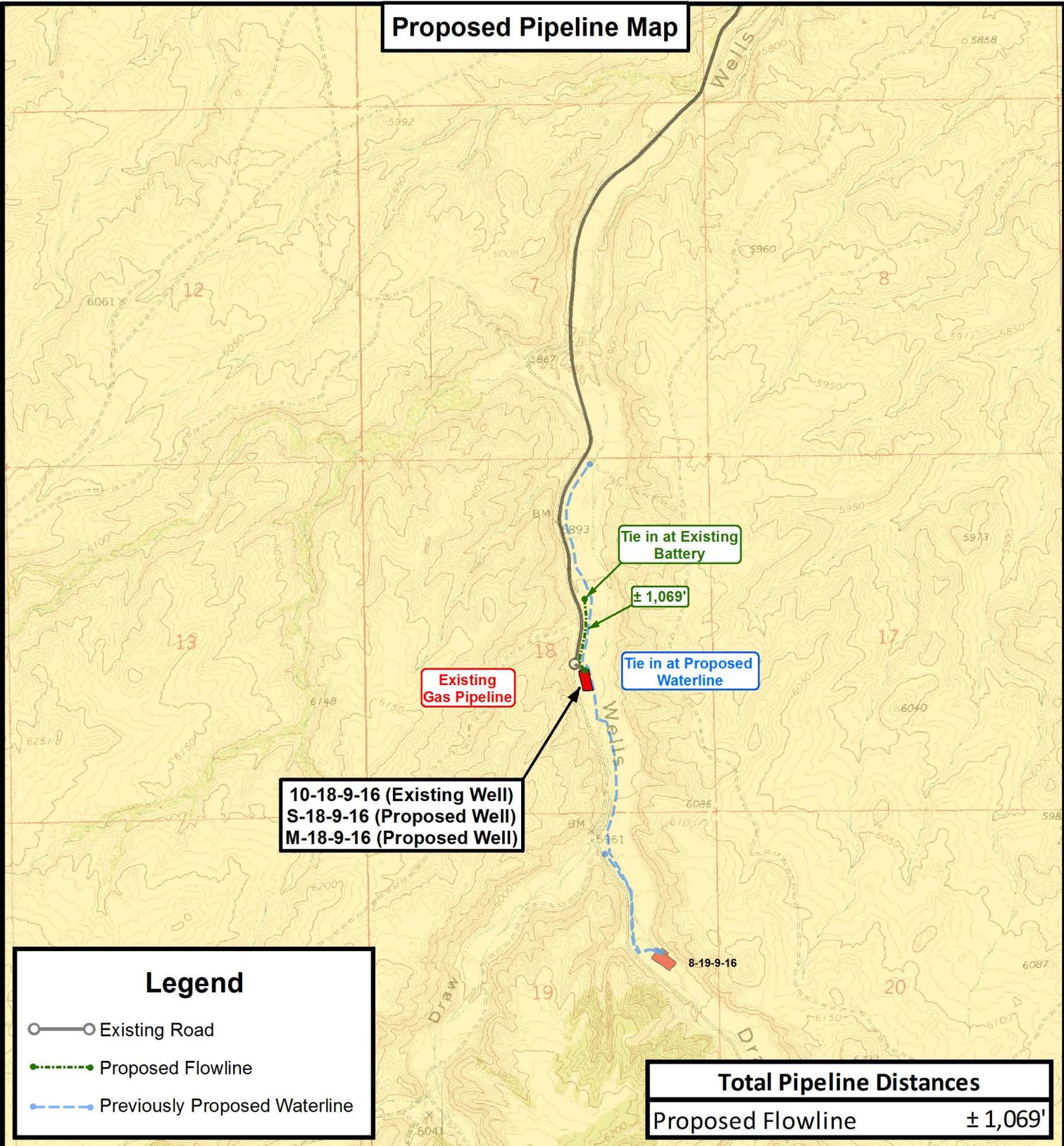
10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (Proposed Well)
SEC. 18, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-30-12 A.P.C.	VERSION:
DATE:	03-12-2012			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (Proposed Well)**

Tie in at Existing Battery

± 1,069'

Tie in at Proposed Waterline

Existing Gas Pipeline

8-19-9-16

Legend

- Existing Road
- Proposed Flowline
- Previously Proposed Waterline

Total Pipeline Distances	
Proposed Flowline	± 1,069'

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**Tri State
Land Surveying, Inc.**
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DRAWN BY: A.P.C.	REVISED: 05-30-12 A.P.C.	VERSION:
DATE: 03-12-2012		V3
SCALE: 1" = 2,000'		



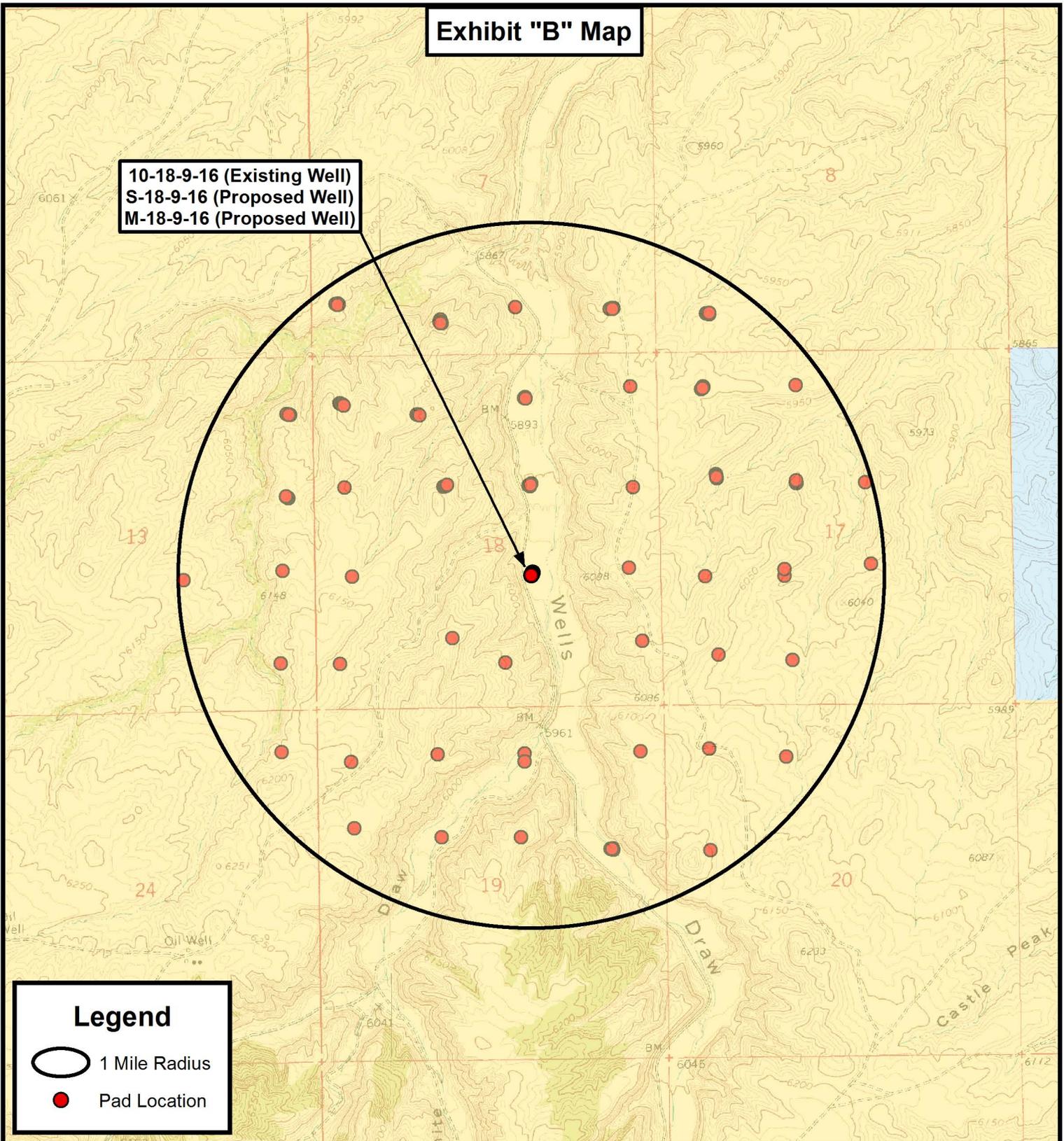
NEWFIELD EXPLORATION COMPANY

10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (Proposed Well)
SEC. 18, T9S, R16E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP	SHEET C
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Exhibit "B" Map

10-18-9-16 (Existing Well)
S-18-9-16 (Proposed Well)
M-18-9-16 (Proposed Well)



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



NEWFIELD EXPLORATION COMPANY
 10-18-9-16 (Existing Well)
 S-18-9-16 (Proposed Well)
 M-18-9-16 (Proposed Well)
 SEC. 18, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-30-12 A.P.C.	VERSION:
DATE:	03-12-2012			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 18 T9, R16
S-18-9-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

17 May, 2012





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-18-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Site:	SECTION 18 T9, R16	North Reference:	True
Well:	S-18-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 18 T9, R16				
Site Position:		Northing:	7,184,524.45 ft	Latitude:	40° 2' 8.610 N
From:	Lat/Long	Easting:	2,014,084.90 ft	Longitude:	110° 9' 55.350 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.85 °

Well	S-18-9-16, SHL LAT: 40°01'44.88" LONG: -110°09'34.19"					
Well Position	+N/-S	-2,401.1 ft	Northing:	7,182,148.28 ft	Latitude:	40° 1' 44.880 N
	+E/-W	1,645.7 ft	Easting:	2,015,766.42 ft	Longitude:	110° 9' 34.190 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,939.0 ft	Ground Level:	5,927.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/17/2012	11.23	65.74	52,154

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,783.0	0.0	0.0	137.11

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,463.2	12.95	137.11	1,455.9	-71.2	66.1	1.50	1.50	0.00	137.11	
4,877.1	12.95	137.11	4,783.0	-631.6	586.7	0.00	0.00	0.00	0.00	S-18-9-16 TGT
6,016.1	12.95	137.11	5,893.0	-818.6	760.4	0.00	0.00	0.00	0.00	



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-18-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Site:	SECTION 18 T9, R16	North Reference:	True
Well:	S-18-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	137.11	700.0	-1.0	0.9	1.3	1.50	1.50	0.00
800.0	3.00	137.11	799.9	-3.8	3.6	5.2	1.50	1.50	0.00
900.0	4.50	137.11	899.7	-8.6	8.0	11.8	1.50	1.50	0.00
1,000.0	6.00	137.11	999.3	-15.3	14.2	20.9	1.50	1.50	0.00
1,100.0	7.50	137.11	1,098.6	-23.9	22.2	32.7	1.50	1.50	0.00
1,200.0	9.00	137.11	1,197.5	-34.5	32.0	47.0	1.50	1.50	0.00
1,300.0	10.50	137.11	1,296.1	-46.9	43.5	64.0	1.50	1.50	0.00
1,400.0	12.00	137.11	1,394.2	-61.2	56.8	83.5	1.50	1.50	0.00
1,463.2	12.95	137.11	1,455.9	-71.2	66.1	97.1	1.50	1.50	0.00
1,500.0	12.95	137.11	1,491.7	-77.2	71.7	105.4	0.00	0.00	0.00
1,600.0	12.95	137.11	1,589.2	-93.6	87.0	127.8	0.00	0.00	0.00
1,700.0	12.95	137.11	1,686.7	-110.0	102.2	150.2	0.00	0.00	0.00
1,800.0	12.95	137.11	1,784.1	-126.4	117.5	172.6	0.00	0.00	0.00
1,900.0	12.95	137.11	1,881.6	-142.9	132.7	195.0	0.00	0.00	0.00
2,000.0	12.95	137.11	1,979.0	-159.3	148.0	217.4	0.00	0.00	0.00
2,100.0	12.95	137.11	2,076.5	-175.7	163.2	239.8	0.00	0.00	0.00
2,200.0	12.95	137.11	2,173.9	-192.1	178.5	262.2	0.00	0.00	0.00
2,300.0	12.95	137.11	2,271.4	-208.5	193.7	284.6	0.00	0.00	0.00
2,400.0	12.95	137.11	2,368.9	-224.9	209.0	307.0	0.00	0.00	0.00
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2,900.0	12.95	137.11	2,856.1	-307.0	285.2	419.1	0.00	0.00	0.00
3,000.0	12.95	137.11	2,953.6	-323.4	300.5	441.5	0.00	0.00	0.00
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4,877.1	12.95	137.11	4,783.0	-631.6	586.7	862.1	0.00	0.00	0.00
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Payzone Directional Planning Report

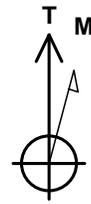


Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-18-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	S-18-9-16 @ 5939.0ft (Original Well Elev)
Site:	SECTION 18 T9, R16	North Reference:	True
Well:	S-18-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,200.0	12.95	137.11	5,097.7	-684.6	636.0	934.4	0.00	0.00	0.00	
5,300.0	12.95	137.11	5,195.1	-701.0	651.2	956.8	0.00	0.00	0.00	
5,400.0	12.95	137.11	5,292.6	-717.4	666.5	979.2	0.00	0.00	0.00	
5,500.0	12.95	137.11	5,390.0	-733.9	681.7	1,001.6	0.00	0.00	0.00	
5,600.0	12.95	137.11	5,487.5	-750.3	697.0	1,024.0	0.00	0.00	0.00	
5,700.0	12.95	137.11	5,584.9	-766.7	712.2	1,046.4	0.00	0.00	0.00	
5,800.0	12.95	137.11	5,682.4	-783.1	727.5	1,068.9	0.00	0.00	0.00	
5,900.0	12.95	137.11	5,779.9	-799.5	742.7	1,091.3	0.00	0.00	0.00	
6,000.0	12.95	137.11	5,877.3	-815.9	758.0	1,113.7	0.00	0.00	0.00	
6,016.1	12.95	137.11	5,893.0	-818.6	760.4	1,117.3	0.00	0.00	0.00	



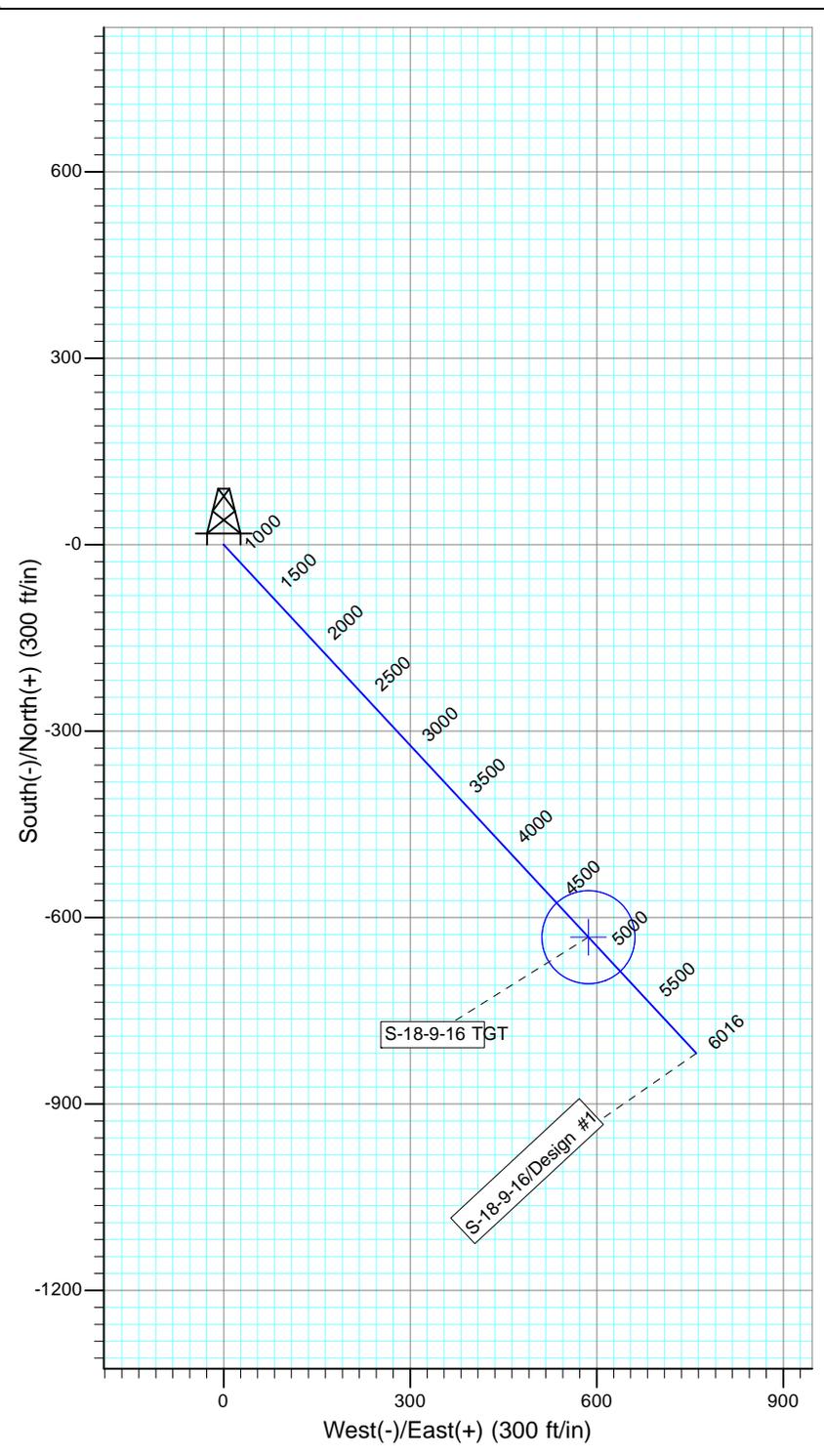
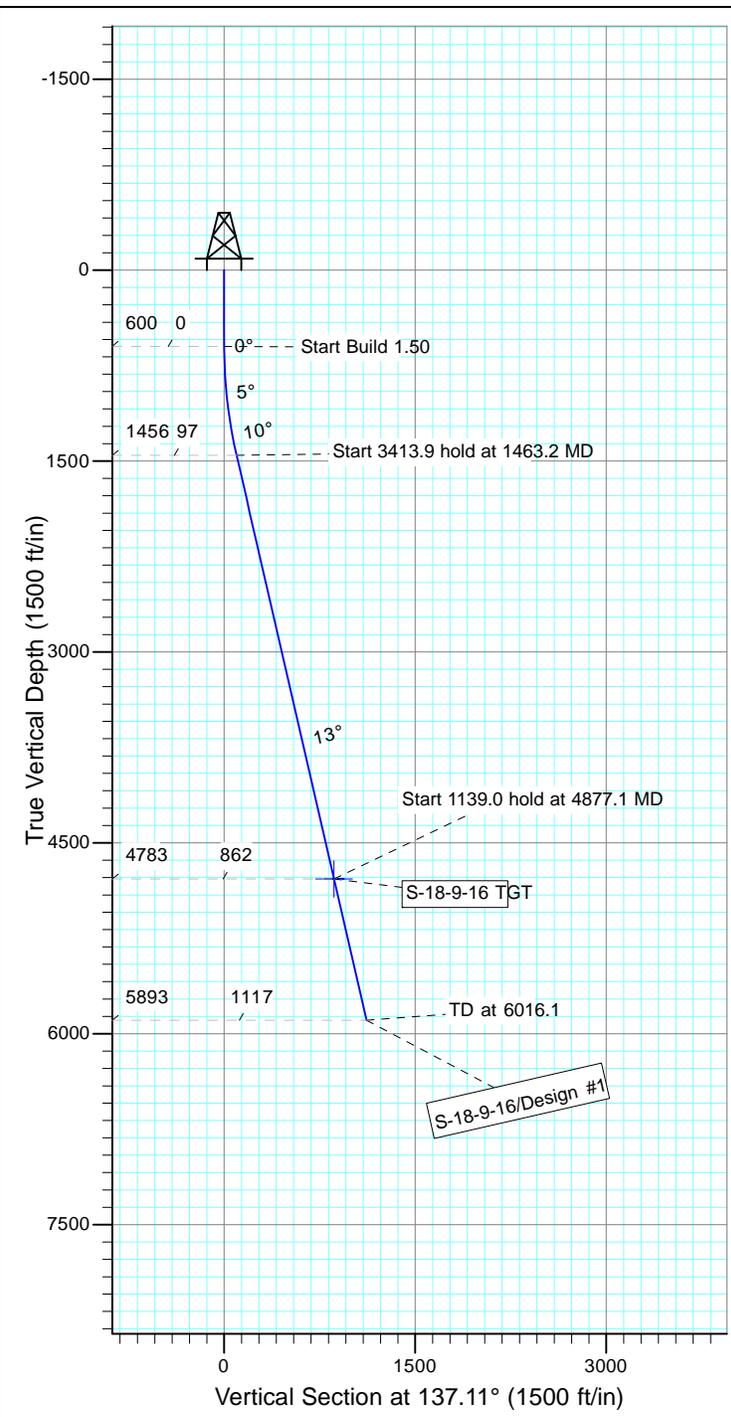
Project: USGS Myton SW (UT)
 Site: SECTION 18 T9, R16
 Well: S-18-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.23°

Magnetic Field
 Strength: 52153.6snT
 Dip Angle: 65.74°
 Date: 5/17/2012
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
S-18-9-16 TGT	4783.0	-631.6	586.7	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	1463.2	12.95	137.11	1455.9	-71.2	66.1	1.50	137.11	97.1	
4	4877.1	12.95	137.11	4783.0	-631.6	586.7	0.00	0.00	862.1	S-18-9-16 TGT
5	6016.1	12.95	137.11	5893.0	-818.6	760.4	0.00	0.00	1117.3	



**NEWFIELD PRODUCTION COMPANY
GMBU S-18-9-16
AT SURFACE: NW/SE SECTION 18, 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 S-18-9-16 located in the NW 1/4 SE 1/4 Section 18, 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 southwesterly direction – 12.0 miles \pm to it's junction with an existing road to the southeast; proceed in a southeasterly direction – 139' \pm to the existing 10-18-9-16 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 10-18-9-16 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

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

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-12-MQ-1477b 1/19/05, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

Surface Flow Line

Newfield requests 1,069' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures as outlined in the Greater Monument Butte Green River Development SOP.

Water Disposal

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

Additional Surface Stipulations

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

Details of the On-Site Inspection

The proposed GMBU S-18-9-16 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 S-18-9-16, 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 S-18-9-16, 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

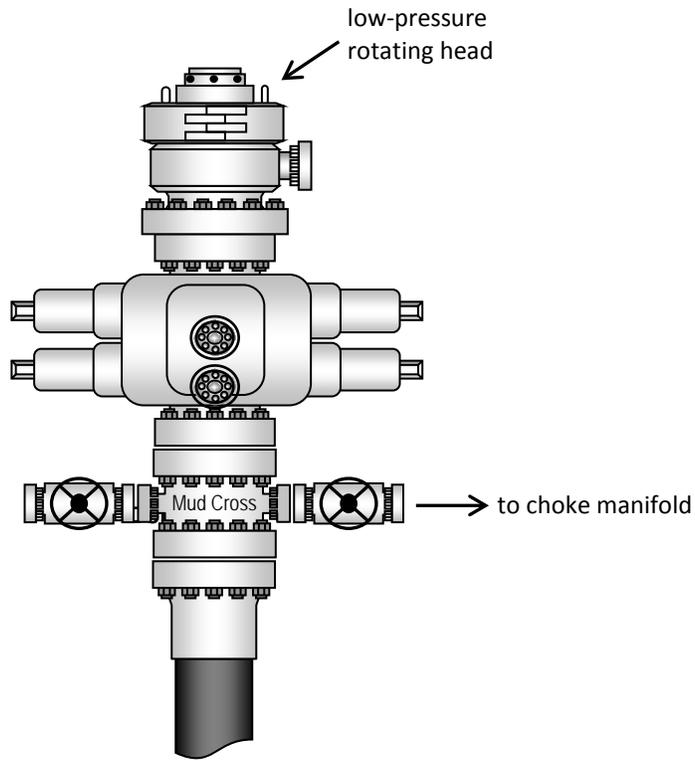
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-18-9-16, Section 18, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage 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

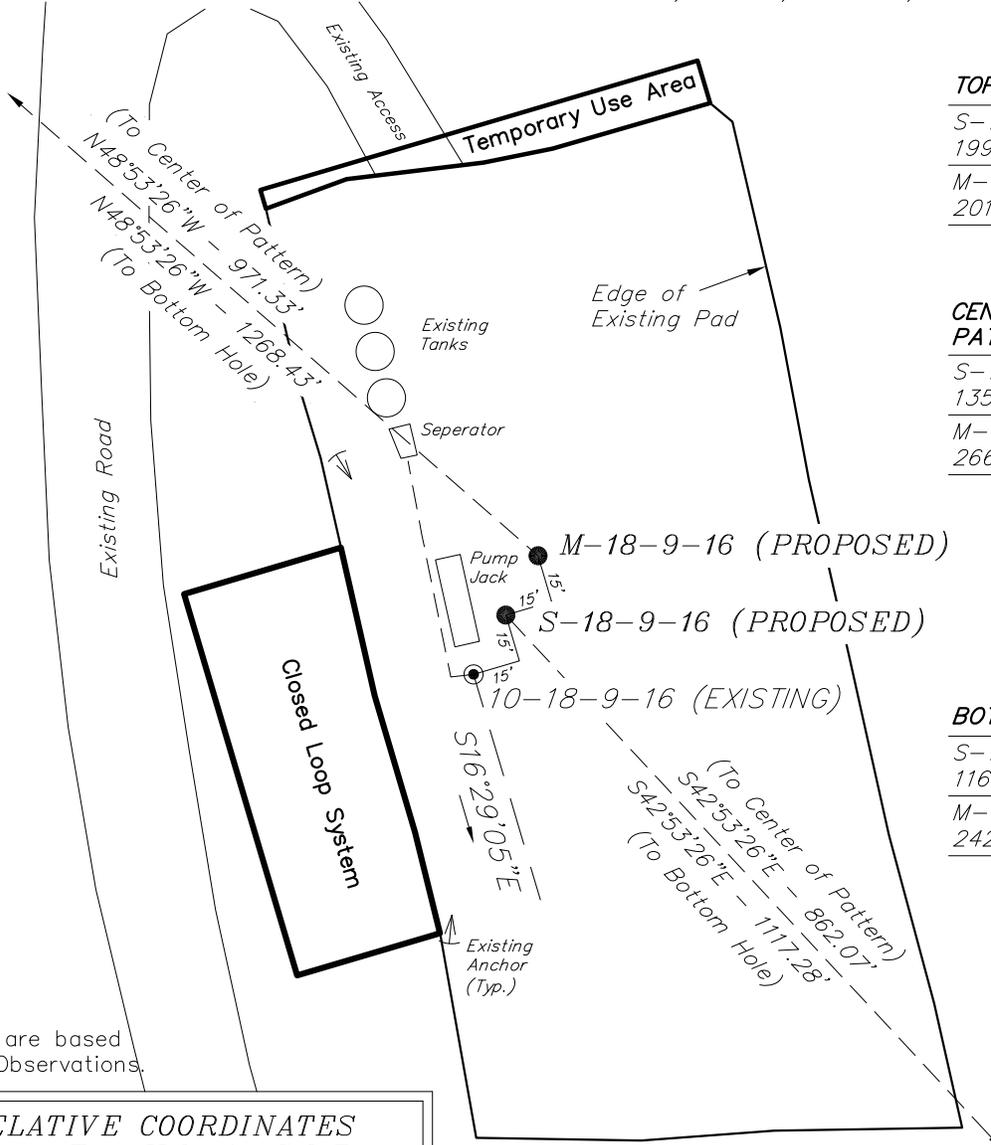
WELL PAD INTERFERENCE PLAT

10-18-9-16 (Existing Well)

S-18-9-16 (Proposed Well)

M-18-9-16 (Proposed Well)

Pad Location: NWSE Section 18, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

S-18-9-16 (PROPOSED)
1995' FSL & 1925' FEL
M-18-9-16 (PROPOSED)
2014' FSL & 1914' FEL

CENTER OF PATTERN FOOTAGES

S-18-9-16 (PROPOSED)
1358' FSL & 1348' FEL
M-18-9-16 (PROPOSED)
2660' FSL & 2636' FEL

BOTTOM HOLE FOOTAGES

S-18-9-16 (PROPOSED)
1169' FSL & 1177' FEL
M-18-9-16 (PROPOSED)
2424' FNL & 2307' FWL

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES From Top Hole to C.O.P.		
WELL	NORTH	EAST
S-18-9-16	-632'	587'
M-18-9-16	639'	-732'

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
S-18-9-16	-819'	760'
M-18-9-16	834'	-956'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
10-18-9-16	40° 01' 44.70"	110° 09' 34.32"
S-18-9-16	40° 01' 44.88"	110° 09' 34.19"
M-18-9-16	40° 01' 45.06"	110° 09' 34.05"

SURVEYED BY: M.C.	DATE SURVEYED: 03-02-12	VERSION: V3
DRAWN BY: M.W.	DATE DRAWN: 05-21-12	
SCALE: 1" = 60'	REVISED: F.T.M. 05-30-12	

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

NEWFIELD EXPLORATION COMPANY

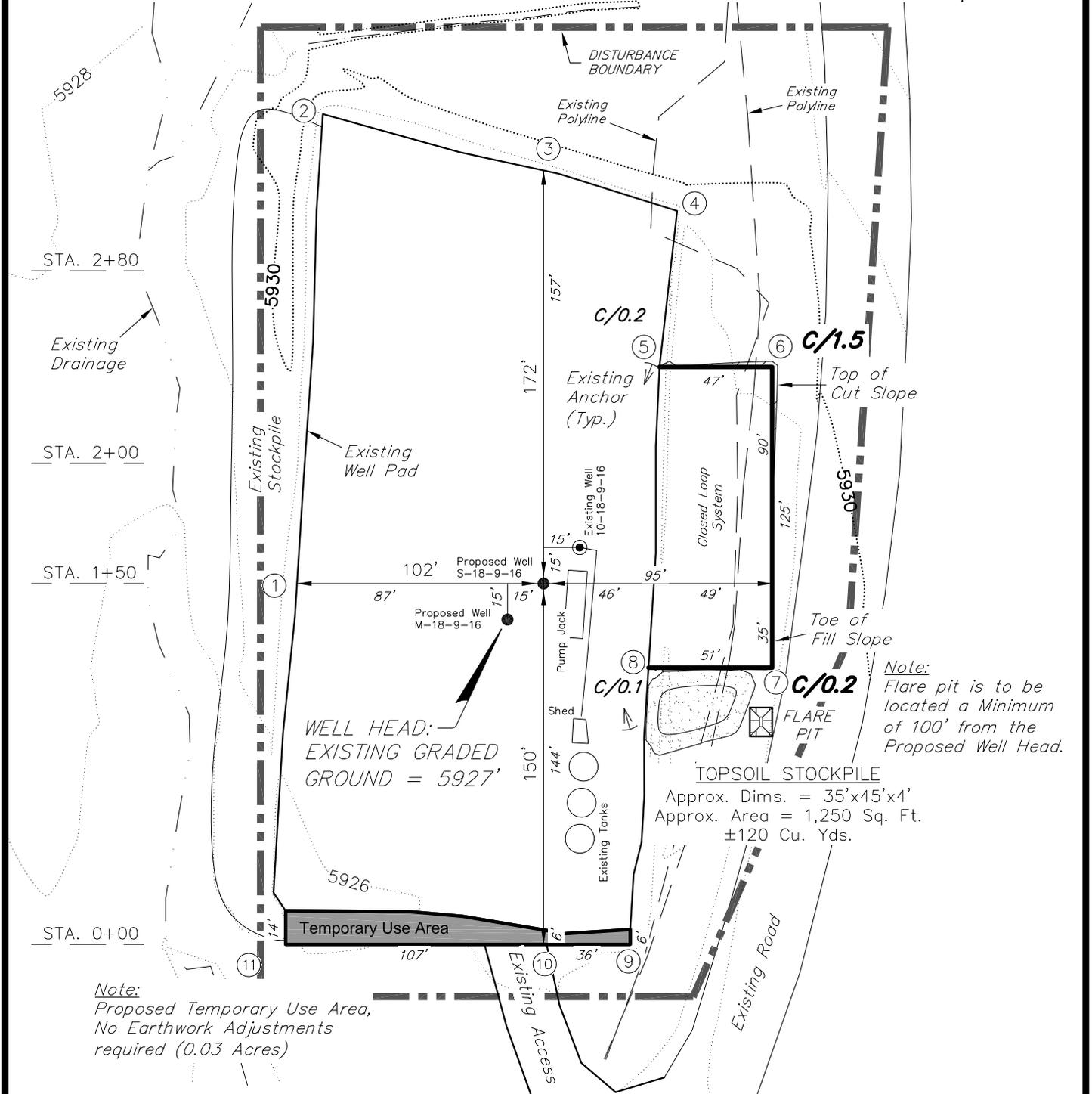
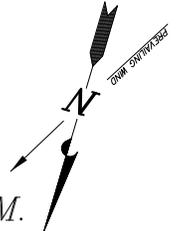
LOCATION LAYOUT

10-18-9-16 (Existing Well)

S-18-9-16 (Proposed Well)

M-18-9-16 (Proposed Well)

Pad Location: NWSE Section 18, T9S, R16E, S.L.B.&M.



NOTE:
The topsoil material area is calculated as being a mound containing 120 cubic yards of dirt (a 10% fluff factor is included). The mound area is calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:
This Location will Require ±70 Yards of Material to be Imported to Construct Design.

SURVEYED BY: M.C.	DATE SURVEYED: 03-02-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-06-12	V3
SCALE: 1" = 60'	REVISED: F.T.M. 05-30-12	

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

NEWFIELD EXPLORATION COMPANY

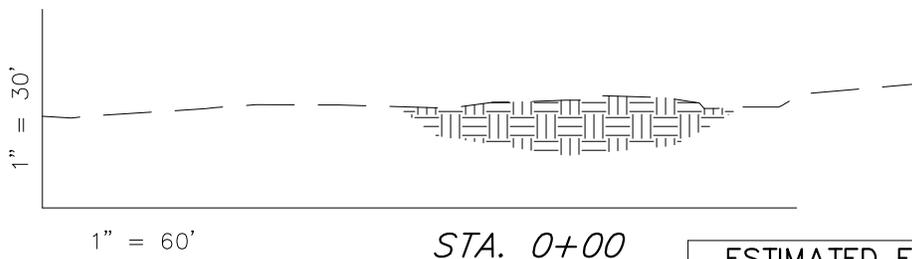
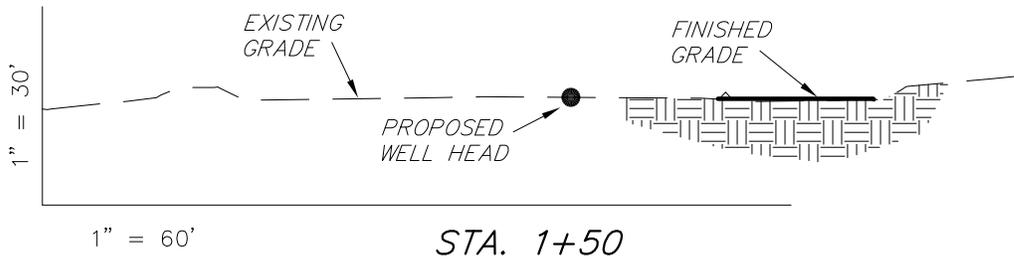
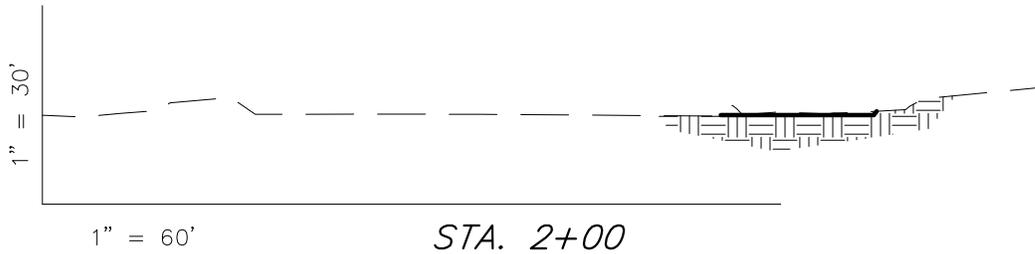
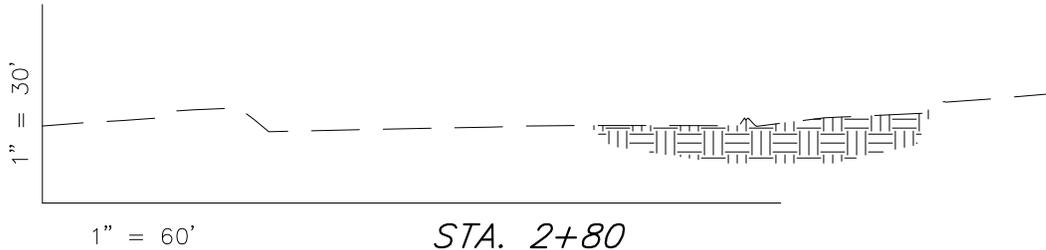
CROSS SECTIONS

10-18-9-16 (Existing Well)

S-18-9-16 (Proposed Well)

M-18-9-16 (Proposed Well)

Pad Location: NWSE Section 18, T9S, R16E, S.L.B.&M.



NOTE:
Unless Otherwise
Noted All Cut/Fill
Slopes are at 1.5:1

Note:
This Location will Require
±70 Yards of Material be
Imported to Construct Design.

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	70	Topsoil is not included in Pad Cut	-70
PIT	N/A	0		N/A
TOTALS	0	70	120	-70

SURVEYED BY: M.C.	DATE SURVEYED: 03-02-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-06-12	V3
SCALE: 1" = 60'	REVISED: F.T.M. 05-30-12	

(435) 781-2501

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

NEWFIELD EXPLORATION COMPANY

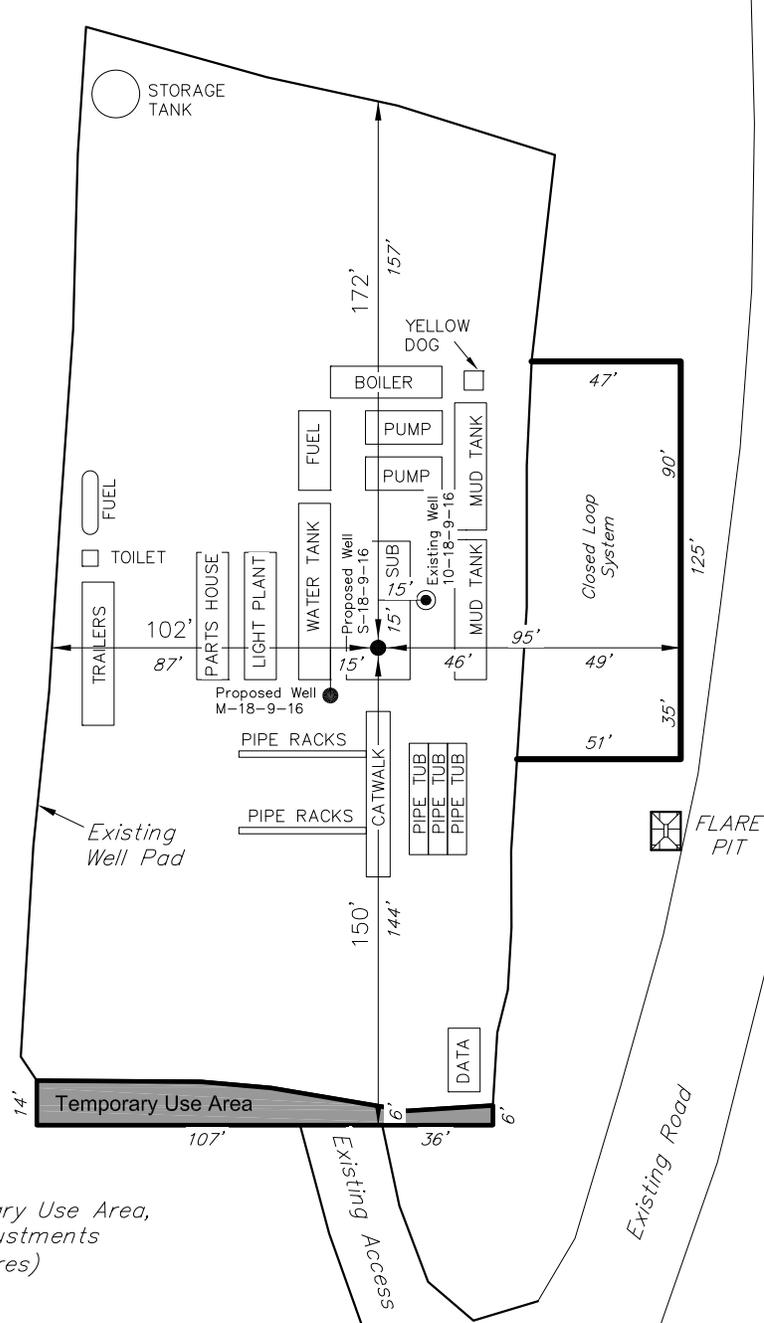
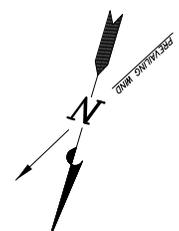
TYPICAL RIG LAYOUT

10-18-9-16 (Existing Well)

S-18-9-16 (Proposed Well)

M-18-9-16 (Proposed Well)

Pad Location: NWSE Section 18, T9S, R16E, S.L.B.&M.



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

Note:
Proposed Temporary Use Area,
No Earthwork Adjustments
required (0.03 Acres)

SURVEYED BY: M.C.	DATE SURVEYED: 03-02-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-06-12	V3
SCALE: 1" = 60'	REVISED: F.T.M. 05-30-12	

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



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 S-18-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 18: NWSE (UTU-64379)
1995' FSL 1925' FEL

At Target: T9S-R16E Section 18: SESE (UTU-64379)
1169' FNL 1177' 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. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in black ink that reads "Leslie Burget". The signature is written in a cursive, flowing style.

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 S-18-9-16
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 NWSE 1995FSL 1925FEL At proposed prod. zone SESE 1169FNL 1177FEL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 13.4		11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T9S R16E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1177'	16. No. of Acres in Lease 1626.30	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1085'	19. Proposed Depth 6016 MD 5893 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5927 GL	22. Approximate date work will start 10/31/2012	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:

- | | |
|---|--|
| 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 #143453 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal****** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

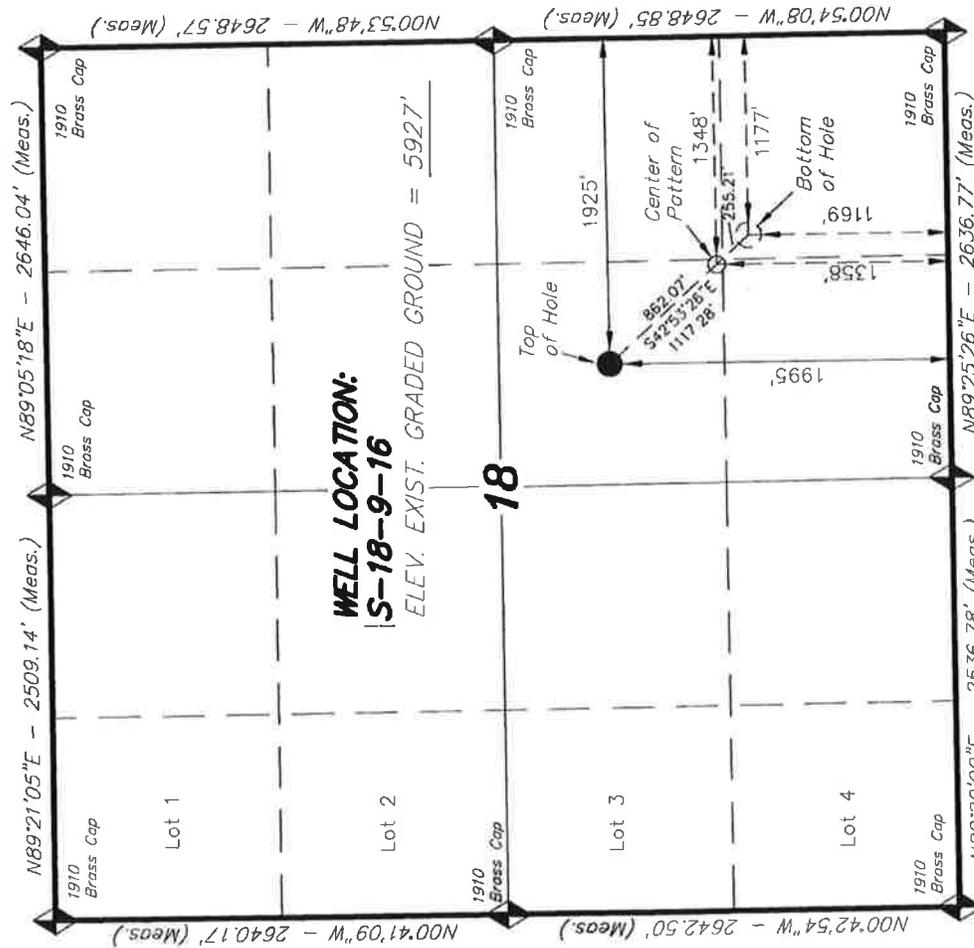
API Well Number: 43013516080000

Additional Operator Remarks:

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

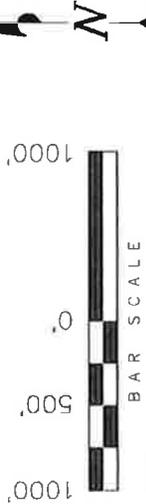
T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, S-18-9-16, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 18, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, S-18-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 18, 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.

STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 6189377
 STATE OF UTAH

05-31-12

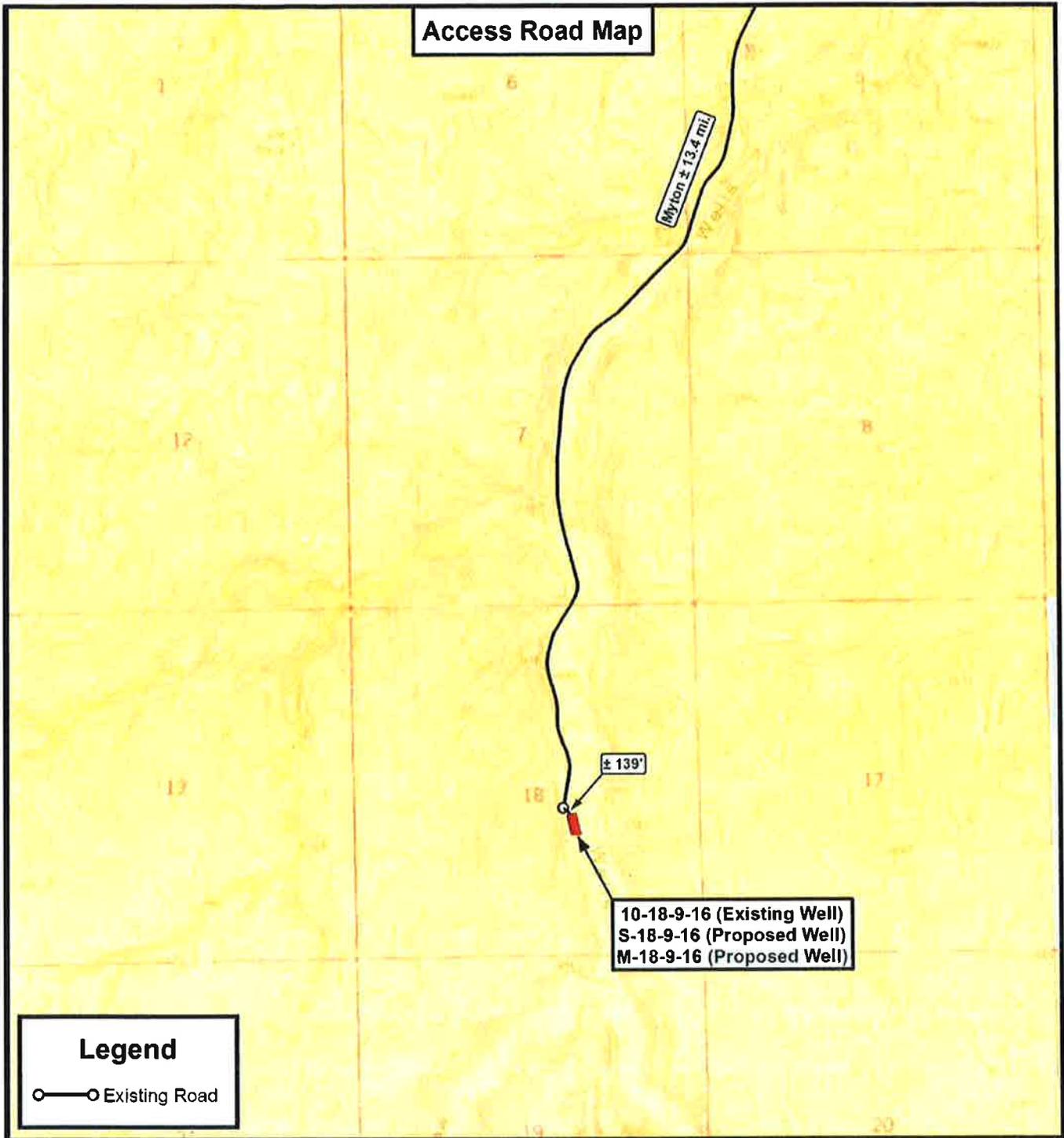
TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 03-02-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 05-21-12	DRAWN BY: M.W.	V3
REVISED: 05-30-12 F.T.M.	SCALE: 1" = 1000'	

S-18-9-16
 (Surface Location) **NAD 83**
 LATITUDE = 40° 01' 44.88"
 LONGITUDE = 110° 09' 34.19"

◆ = 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'



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



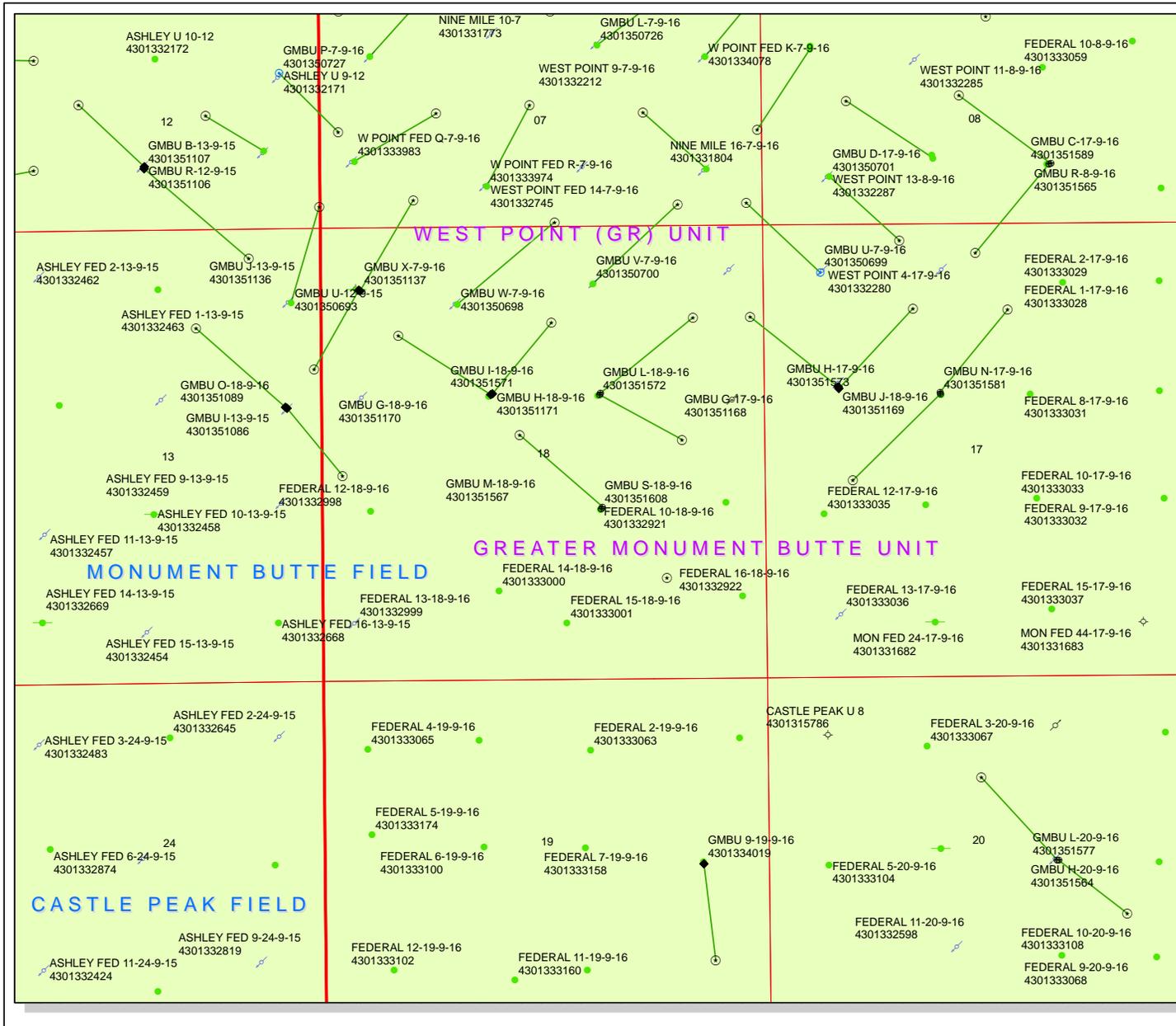
NEWFIELD EXPLORATION COMPANY

10-18-9-16 (Existing Well)
 S-18-9-16 (Proposed Well)
 M-18-9-16 (Proposed Well)
 SEC. 18, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-30-12 A.P.C.	VERSION:
DATE:	03-12-2012			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

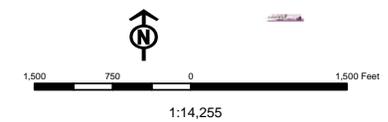
SHEET
B



API Number: 4301351608
Well Name: GMBU S-18-9-16
Township T09.0S Range R16.0E Section 18
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	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERMAL	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	Bottom Hole Location - Oil/Gas/Dls
TERMINATED	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 6, 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)		
43-013-51607	GMBU M-8-9-16	Sec 08 T09S R16E 2041 FNL 2193 FEL BHL Sec 08 T09S R16E 2429 FSL 2633 FWL
43-013-51608	GMBU S-18-9-16	Sec 18 T09S R16E 1995 FSL 1925 FEL BHL Sec 18 T09S R16E 1169 FSL 1177 FEL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.08.06 08:24:08 -0600

bcc: File - Greater Monument Butte Unit

Division of Oil Gas and Mining

Central Files

Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:8-6-12

RECEIVED: August 07, 2012



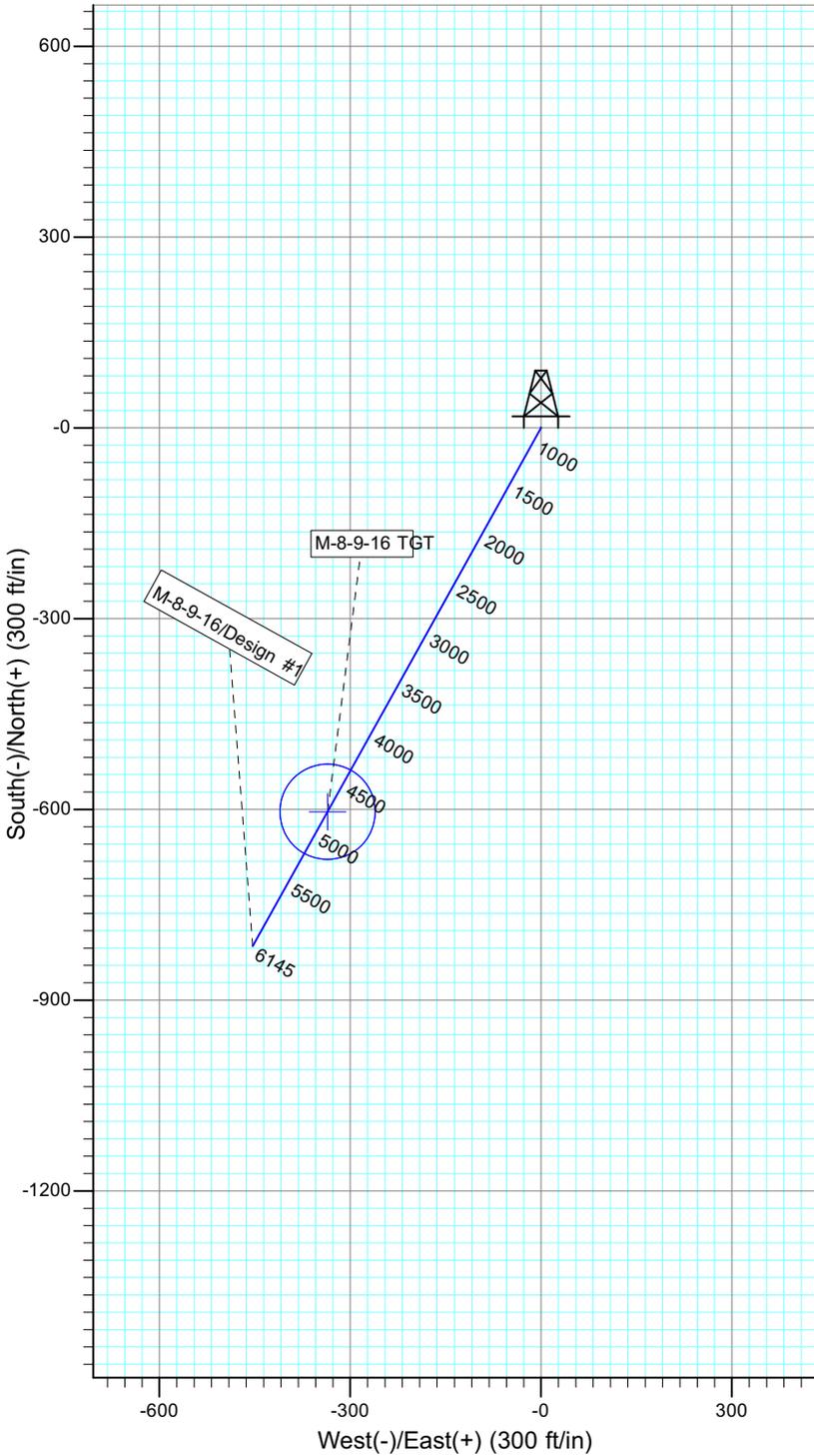
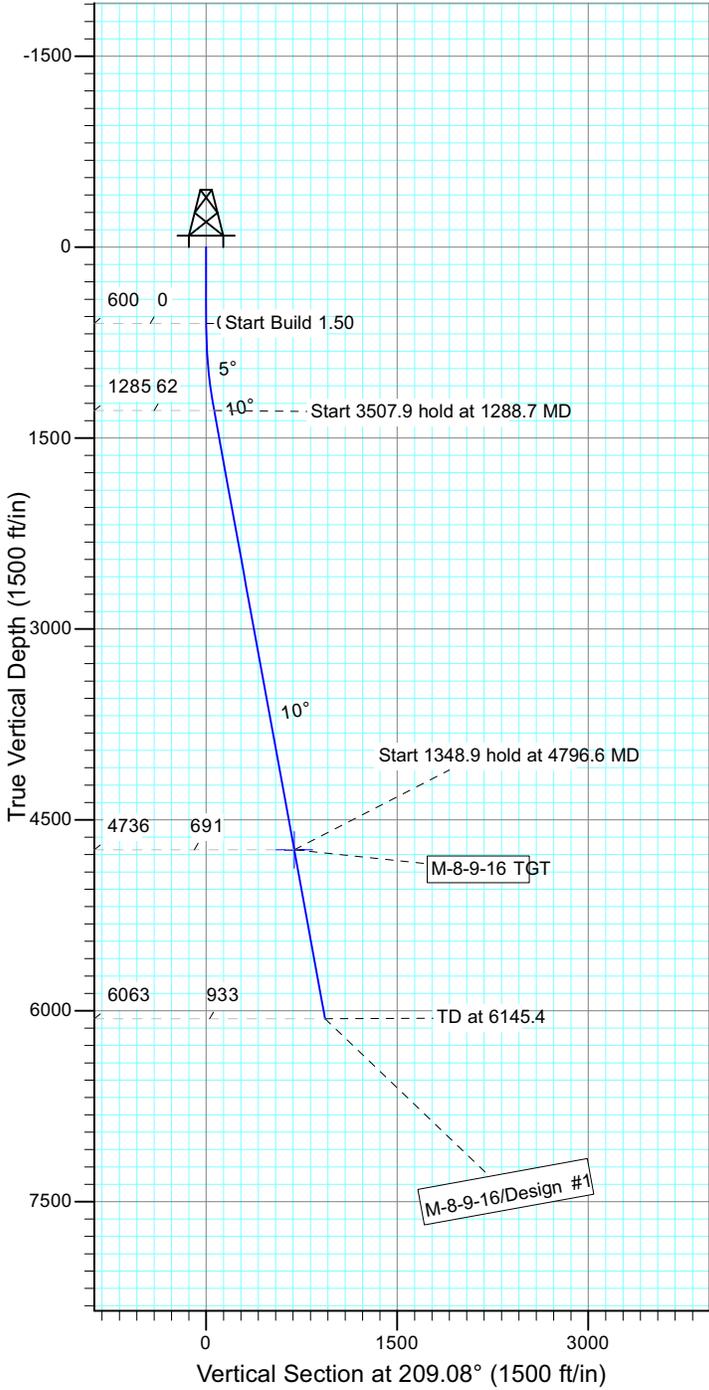
Project: USGS Myton SW (UT)
 Site: SECTION 8 T9S, R16E
 Well: M-8-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.24°

Magnetic Field
 Strength: 52173.4snT
 Dip Angle: 65.76°
 Date: 4/20/2012
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
M-8-9-16 TGT	4736.0	-603.9	-335.8	Circle (Radius: 75.0)

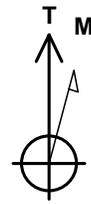
SECTION DETAILS

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	1288.7	10.33	209.08	1285.0	-54.1	-30.1	1.50	209.08	61.9	
4	4796.6	10.33	209.08	4736.0	-603.9	-335.8	0.00	0.00	690.9	M-8-9-16 TGT
5	6145.4	10.33	209.08	6063.0	-815.2	-453.4	0.00	0.00	932.8	





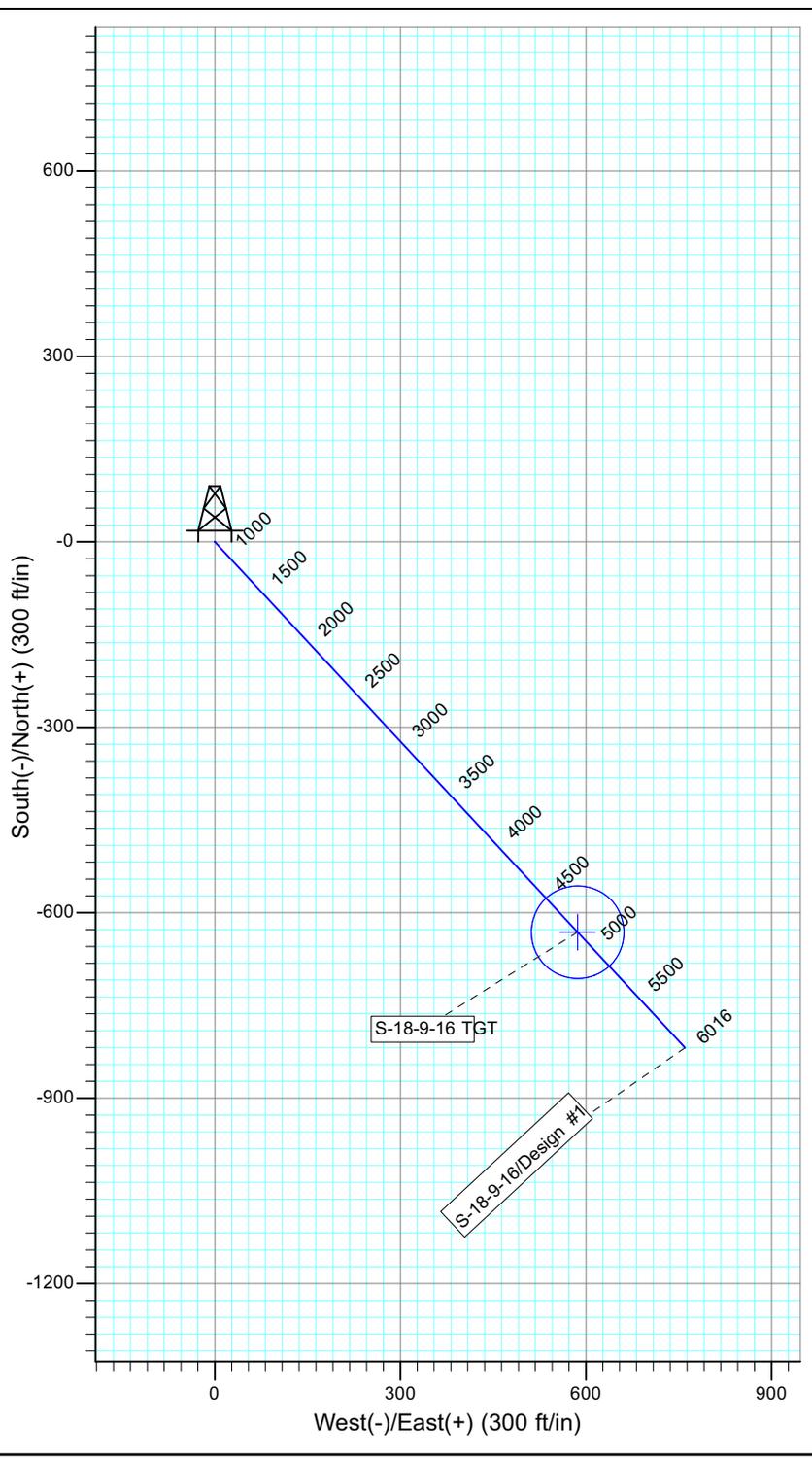
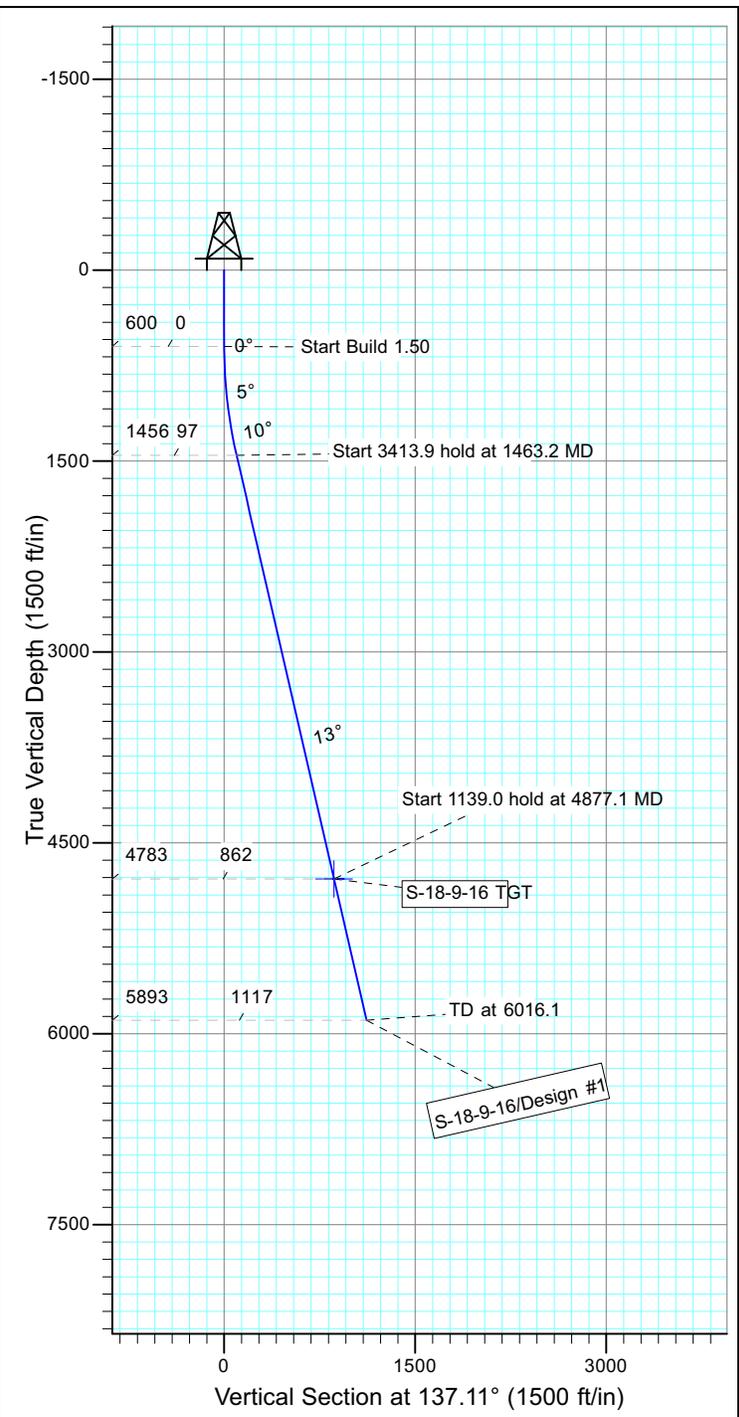
Project: USGS Myton SW (UT)
 Site: SECTION 18 T9, R16
 Well: S-18-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.23°

Magnetic Field
 Strength: 52153.6snT
 Dip Angle: 65.74°
 Date: 5/17/2012
 Model: IGRF2010

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



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
S-18-9-16 TGT	4783.0	-631.6	586.7	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	1463.2	12.95	137.11	1455.9	-71.2	66.1	1.50	137.11	97.1	
4	4877.1	12.95	137.11	4783.0	-631.6	586.7	0.00	0.00	862.1	S-18-9-16 TGT
5	6016.1	12.95	137.11	5893.0	-818.6	760.4	0.00	0.00	1117.3	



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/16/2012

API NO. ASSIGNED: 43013516080000

WELL NAME: GMBU S-18-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NWSE 18 090S 160E

Permit Tech Review:

SURFACE: 1995 FSL 1925 FEL

Engineering Review:

BOTTOM: 1169 FSL 1177 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.02917

LONGITUDE: -110.15951

UTM SURF EASTINGS: 571714.00

NORTHINGS: 4431333.00

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 S-18-9-16
API Well Number: 43013516080000
Lease Number: UTU-64379
Surface Owner: FEDERAL
Approval Date: 8/8/2012

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379	
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMBU S-18-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013516080000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	4. LOCATION OF WELL FOOTAGES AT SURFACE: 1995 FSL 1925 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 16.0E Meridian: S
COUNTY: DUCHESNE	STATE: UTAH

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

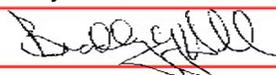
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/8/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input 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: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 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 43013516080000

API: 43013516080000

Well Name: GMBU S-18-9-16

Location: 1995 FSL 1925 FEL QTR NWSE SEC 18 TWNP 090S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/8/2012

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	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GMBU S-18-9-16	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013516080000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1995 FSL 1925 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/19/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above well was placed on production on 06/19/2014 at 11:15 hours.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 16, 2014			
NAME (PLEASE PRINT) Jennifer Peatross		PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A		DATE 7/14/2014	

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

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

5. Lease Serial No.
UTU64379

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU87538X

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.
GMBU S-18-9-16

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

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

9. API Well No.
43-013-51608

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface 1995' FSL 1925' FEL (NW/SE) SEC 18 T9S R16E (UTU-64379)
 At top prod. interval reported below 1631' FSL 1531' FEL (NW/SE) SEC 18 T9S R16E (UTU-64379)
 At total depth 1010' FSL 1120' FEL (SE/SE) SEC 18 T9S R16E (UTU-64379)

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC 18 T9S R16E Mer SLB

12. County or Parish DUCHESNE
13. State UT

14. Date Spudded
04/28/2014

15. Date T.D. Reached
05/21/2014

16. Date Completed 06/16/2014
 D & A Ready to Prod.

18. Total Depth: MD 6178'
TVD 5957'

19. Plug Back T.D.: MD 6133'
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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	410'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6156'		230 Econocem 420Expandacem		56'	

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@6039'	TA@5881'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4066'	6000'	4066' - 6000' MD	0.34	78	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4066' - 6000' MD	Frac w/ 109,206#s of 20/40 white sand in 3,563 bbls of Lightning 17 fluid, in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/19/14	6/29/14	24	→	34	15	61			2.5 X 1.75 X 20 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	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK	3561'
				GARDEN GULCH 1	3793'
				GARDEN GULCH 2	3907'
				POINT 3	4171'
				X MRKR	4445'
				Y MRKR	4480'
				DOUGLAS CREEK MRK	4596'
				BI CARBONATE MRK	4840'
				B LIMESTONE MRK	4946'
				CASTLE PEAK	5535'
				BASAL CARBONATE	6022'
				WASATCH	6153'

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 07/15/2014

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 18 T9, R16
S-18-9-16
Wellbore #1

Design: Actual

End of Well Report

01 June, 2014





Payzone Directional

End of Well Report



Sundry Number: 53513 API Well Number: 43013516080000

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: S-18-9-16 @ 5938.0usft (SS #2)
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
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 18 T9, R16

Site Position: Northing: 7,184,524.45 usft Latitude: 40° 2' 8.610 N
 From: Lat/Long Easting: 2,014,084.90 usft Longitude: 110° 9' 55.350 W
Position Uncertainty: Slot Radius: 0.0 usft Grid Convergence: 0.85 °

Well: S-18-9-16, SHL: 40° 1' 44.880 -110° 9' 34.190

Well Position: +N/-S 0.0 usft Northing: 7,182,148.28 usft Latitude: 40° 1' 44.880 N
 +E/-W 0.0 usft Easting: 2,015,766.42 usft Longitude: 110° 9' 34.190 W
Position Uncertainty: Wellhead Elevation: 5,938.0 usft Ground Level: 5,927.0 usft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/10/2014	10.98	65.69	51,959

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	139.56

Survey Program: Date 6/1/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
442.0	6,178.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well S-18-9-16 @ 5938.0usft (SS #2)
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
442.0	0.68	325.62	442.0	-2.6	2.2	-1.5	0.15	0.15	0.00
473.0	0.26	280.55	473.0	-2.8	2.3	-1.7	1.71	-1.35	-145.39
504.0	0.35	25.88	504.0	-2.9	2.4	-1.7	1.57	0.29	339.77
534.0	0.93	359.71	534.0	-3.2	2.8	-1.6	2.12	1.93	-87.23
565.0	1.93	16.56	565.0	-3.6	3.5	-1.5	3.47	3.23	54.35
596.0	2.90	2.41	595.9	-4.5	4.8	-1.3	3.65	3.13	-45.65
627.0	3.30	2.19	626.9	-5.7	6.5	-1.2	1.29	1.29	-0.71
658.0	4.26	7.30	657.8	-7.2	8.5	-1.1	3.28	3.10	16.48
688.0	4.57	0.87	687.7	-8.8	10.8	-0.9	1.95	1.03	-21.43
719.0	4.70	1.14	718.6	-10.7	13.3	-0.9	0.43	0.42	0.87
750.0	4.80	347.99	749.5	-12.8	15.8	-1.1	3.52	0.32	-42.42
781.0	5.54	344.60	780.4	-15.3	18.6	-1.8	2.58	2.39	-10.94
811.0	6.55	342.02	810.2	-18.2	21.6	-2.7	3.49	3.37	-8.60
842.0	6.50	332.00	841.0	-21.5	24.8	-4.1	3.67	-0.16	-32.32
873.0	7.60	331.00	871.8	-25.2	28.1	-5.9	3.57	3.55	-3.23
904.0	7.95	342.00	902.5	-29.2	32.0	-7.5	4.92	1.13	35.48
934.0	8.17	346.02	932.2	-33.1	36.0	-8.7	2.02	0.73	13.40
965.0	8.35	351.91	962.9	-36.9	40.4	-9.5	2.79	0.58	19.00
996.0	8.26	359.20	993.6	-40.5	44.8	-9.9	3.41	-0.29	23.52
1,027.0	7.78	5.80	1,024.3	-43.7	49.2	-8.7	3.35	-1.55	21.29
1,070.0	7.25	12.87	1,066.9	-47.3	54.7	-8.8	2.48	-1.23	16.44
1,114.0	7.43	19.46	1,110.6	-50.4	60.1	-7.2	1.96	0.41	14.98
1,158.0	6.60	21.68	1,154.2	-53.0	65.1	-5.4	1.98	-1.89	5.05
1,202.0	6.25	24.68	1,198.0	-55.2	69.6	-3.4	1.10	-0.80	6.82
1,246.0	5.70	30.40	1,241.7	-57.0	73.7	-1.3	1.84	-1.25	13.00
1,290.0	5.90	40.70	1,285.5	-58.0	77.3	1.3	2.41	0.45	23.41

Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well S-18-9-16
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
North Reference: S-18-9-16 @ 5938.0usft (SS #2)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Well S-18-9-16

S-18-9-16 @ 5938.0usft (SS #2)

S-18-9-16 @ 5938.0usft (SS #2)

True

Minimum Curvature

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)
1,333.0	5.80	44.60	1,328.3	-58.5	80.5	4.2	0.95	-0.23	9.07
1,377.0	5.50	47.50	1,372.0	-58.8	83.5	7.3	0.94	-0.68	6.59
1,421.0	5.14	51.76	1,415.9	-58.8	86.2	10.4	1.21	-0.82	9.68
1,465.0	4.60	55.40	1,459.7	-58.6	88.4	13.4	1.41	-1.23	8.27
1,508.0	4.10	61.80	1,502.6	-58.1	90.1	16.2	1.62	-1.16	14.88
1,552.0	4.60	63.90	1,546.5	-57.3	91.6	19.2	1.19	1.14	4.77
1,596.0	5.20	71.76	1,590.3	-56.1	93.0	22.7	2.04	1.36	17.86
1,640.0	4.70	81.60	1,634.1	-54.4	93.9	26.3	2.24	-1.14	22.36
1,684.0	4.90	92.80	1,678.0	-52.1	94.1	30.0	2.17	0.45	25.45
1,727.0	4.80	95.53	1,720.8	-49.6	93.8	33.6	0.58	-0.23	6.35
1,771.0	4.80	100.40	1,764.7	-46.8	93.3	37.3	0.93	0.00	11.07
1,815.0	4.40	113.02	1,808.5	-43.9	92.3	40.6	2.47	-0.91	28.68
1,859.0	5.20	116.20	1,852.4	-40.6	90.8	44.0	1.92	1.82	7.23
1,903.0	5.45	114.60	1,896.2	-36.8	89.0	47.7	0.66	0.57	-3.64
1,947.0	4.35	127.80	1,940.0	-33.3	87.1	50.9	3.56	-2.50	30.00
1,990.0	4.70	138.30	1,982.9	-30.0	84.8	53.4	2.09	0.81	24.42
2,034.0	5.50	130.80	2,026.7	-26.1	82.1	56.1	2.36	1.82	-17.05
2,078.0	6.33	136.31	2,070.5	-21.6	79.0	59.4	2.28	1.89	12.52
2,122.0	6.20	142.51	2,114.2	-16.8	75.3	62.5	1.57	-0.30	14.09
2,165.0	7.08	144.75	2,156.9	-11.8	71.3	65.5	2.13	2.05	5.21
2,209.0	7.30	144.35	2,200.6	-6.3	66.8	68.7	0.51	0.50	-0.91
2,253.0	7.78	144.22	2,244.2	-0.6	62.2	72.0	1.09	1.09	-0.30
2,297.0	8.22	143.56	2,287.8	5.5	57.2	75.7	1.02	1.00	-1.50
2,341.0	8.75	144.79	2,331.3	12.0	51.9	79.5	1.27	1.20	2.80
2,384.0	8.42	142.83	2,373.8	18.4	46.8	83.2	1.03	-0.77	-4.56
2,428.0	9.05	141.20	2,417.3	25.1	41.5	87.4	1.54	1.43	-3.70
2,472.0	9.15	141.72	2,460.7	32.0	36.1	91.7	0.29	0.23	1.18



Payzone Directional

End of Well Report



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Wellbore: Wellbore #1
Design: Actual

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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)
	2,516.0	10.02	143.21	2,504.1	39.4	30.2	96.2	2.06	1.98	3.39
	2,559.0	10.50	139.96	2,546.4	47.0	24.2	100.9	1.75	1.12	-7.56
	2,603.0	11.25	140.05	2,589.7	55.3	17.9	106.3	1.70	1.70	0.20
	2,647.0	12.44	140.40	2,632.7	64.3	10.9	112.0	2.71	2.70	0.80
	2,691.0	13.01	140.53	2,675.6	74.0	3.5	118.2	1.30	1.30	0.30
	2,735.0	13.57	143.08	2,718.5	84.1	-4.5	124.4	1.84	1.27	5.80
	2,779.0	14.81	142.20	2,761.1	94.9	-13.1	131.0	2.86	2.82	-2.00
	2,822.0	15.21	142.99	2,802.6	106.0	-21.9	137.8	1.04	0.93	1.84
	2,866.0	15.60	144.09	2,845.1	117.7	-31.3	144.7	1.11	0.89	2.50
	2,910.0	16.50	145.89	2,887.3	129.8	-41.3	151.7	2.34	2.05	4.09
	2,954.0	16.22	144.57	2,929.6	142.1	-51.4	158.7	1.06	-0.64	-3.00
	2,998.0	17.14	140.54	2,971.7	154.7	-61.5	166.4	3.36	2.09	-9.16
	3,041.0	18.24	140.14	3,012.7	167.8	-71.5	174.8	2.57	2.56	-0.93
	3,085.0	19.40	140.49	3,054.3	182.0	-82.4	183.8	2.65	2.64	0.80
	3,129.0	19.74	142.73	3,095.8	196.7	-94.0	193.0	1.87	0.77	5.09
	3,173.0	20.30	141.54	3,137.1	211.8	-105.9	202.2	1.57	1.27	-2.70
	3,217.0	21.00	142.20	3,178.3	227.3	-118.1	211.8	1.68	1.59	1.50
	3,261.0	20.80	143.20	3,219.4	242.9	-130.6	221.3	0.93	-0.45	2.27
	3,305.0	20.65	145.25	3,260.6	258.4	-143.2	230.4	1.68	-0.34	4.66
	3,350.0	21.15	140.15	3,302.6	274.5	-156.0	240.1	4.19	1.11	-11.33
	3,393.0	22.10	139.50	3,342.6	290.3	-168.1	250.4	2.28	2.21	-1.51
	3,436.0	22.60	139.40	3,382.3	306.7	-180.5	261.0	1.17	1.16	-0.23
	3,480.0	22.20	138.90	3,423.0	323.4	-193.2	272.0	1.01	-0.91	-1.14
	3,524.0	22.00	140.70	3,463.8	340.0	-205.8	282.7	1.60	-0.45	4.09
	3,567.0	21.10	142.45	3,503.8	355.8	-218.2	292.5	2.57	-2.09	4.07
	3,611.0	20.70	140.90	3,544.9	371.4	-230.5	302.2	1.55	-0.91	-3.52
	3,654.0	19.60	141.50	3,585.3	386.3	-242.0	311.5	2.60	-2.56	1.40



Payzone Directional

End of Well Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well S-18-9-16
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
North Reference: S-18-9-16 @ 5938.0usft (SS #2)
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)
3,698.0	19.34	142.99	3,626.7	400.9	-253.6	320.5	1.27	-0.59	3.39
3,742.0	19.73	144.75	3,668.2	415.6	-265.5	329.1	1.60	0.89	4.00
3,786.0	20.08	145.19	3,709.6	430.5	-277.8	337.7	0.87	0.80	1.00
3,829.0	20.30	145.30	3,749.9	445.3	-290.0	346.2	0.52	0.51	0.26
3,873.0	19.73	145.85	3,791.3	460.2	-302.4	354.7	1.36	-1.30	1.25
3,917.0	19.86	146.81	3,832.7	475.0	-314.8	363.0	0.80	0.30	2.18
3,961.0	19.30	145.76	3,874.1	489.7	-327.1	371.2	1.50	-1.27	-2.39
4,005.0	19.20	147.61	3,915.7	504.1	-339.2	379.1	1.40	-0.23	4.20
4,049.0	18.63	151.06	3,957.3	518.1	-351.4	386.4	2.85	-1.30	7.84
4,093.0	19.10	148.62	3,998.9	532.1	-363.7	393.5	2.09	1.07	-5.55
4,137.0	19.10	145.90	4,040.5	546.4	-375.9	401.3	2.02	0.00	-6.18
4,180.0	18.30	147.65	4,081.3	560.1	-387.4	408.9	2.27	-1.86	4.07
4,224.0	17.90	146.74	4,123.1	573.6	-398.9	416.3	1.11	-0.91	-2.07
4,268.0	17.62	147.47	4,165.0	586.9	-410.1	423.6	0.81	-0.64	1.66
4,312.0	17.53	146.73	4,206.9	600.1	-421.3	430.8	0.55	-0.20	-1.68
4,356.0	17.84	146.38	4,248.8	613.3	-432.4	438.2	0.74	0.70	-0.80
4,400.0	18.59	142.33	4,290.6	627.0	-443.6	446.2	3.34	1.70	-9.20
4,443.0	19.12	141.54	4,331.3	640.9	-454.6	454.8	1.37	1.23	-1.84
4,487.0	18.94	140.94	4,372.9	655.3	-465.7	463.7	0.60	-0.41	-1.36
4,531.0	18.94	140.66	4,414.5	669.5	-476.8	472.8	0.21	0.00	-0.64
4,575.0	19.16	141.76	4,456.1	683.9	-488.0	481.8	0.96	0.50	2.50
4,618.0	19.25	142.24	4,496.7	698.0	-499.1	490.5	0.42	0.21	1.12
4,662.0	19.95	143.08	4,538.2	712.8	-510.9	499.4	1.71	1.59	1.91
4,706.0	20.26	142.29	4,579.5	727.9	-522.9	508.6	0.94	0.70	-1.80
4,750.0	20.10	144.00	4,620.8	743.0	-535.1	517.7	1.39	-0.36	3.89
4,794.0	20.90	146.00	4,662.0	758.4	-547.7	526.5	2.42	1.82	4.55
4,838.0	20.50	144.40	4,703.2	773.8	-560.4	535.4	1.57	-0.91	-3.64

Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well S-18-9-16 @ 5938.0usft (SS #2)
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
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)
	4,882.0	20.75	146.20	4,744.4	789.2	-573.2	544.2	1.55	0.57	4.09
	4,926.0	21.85	144.70	4,785.4	805.1	-586.4	553.3	2.79	2.50	-3.41
	4,969.0	22.30	141.57	4,825.2	821.3	-599.3	563.0	2.93	1.05	-7.28
	5,013.0	22.60	141.50	4,865.9	838.1	-612.4	573.4	0.68	0.68	-0.16
	5,057.0	23.00	142.20	4,906.4	855.1	-625.8	584.0	1.10	0.91	1.59
	5,100.0	22.30	142.40	4,946.1	871.6	-638.9	594.1	1.64	-1.63	0.47
	5,144.0	22.30	142.30	4,986.8	888.3	-652.2	604.3	0.09	0.00	-0.23
	5,188.0	22.90	141.70	5,027.5	905.2	-665.5	614.7	1.46	1.36	-1.36
	5,232.0	22.60	142.40	5,068.0	922.2	-678.9	625.2	0.92	-0.68	1.59
	5,276.0	23.40	142.20	5,108.5	939.4	-692.5	635.7	1.83	1.82	-0.45
	5,320.0	24.00	146.24	5,148.8	957.0	-706.8	646.0	3.93	1.36	9.18
	5,363.0	24.21	146.70	5,188.1	974.4	-721.5	655.7	0.66	0.49	1.07
	5,407.0	23.42	145.80	5,228.3	992.1	-736.3	665.6	1.98	-1.80	-2.05
	5,451.0	23.12	143.69	5,268.7	1,009.4	-750.5	675.6	2.01	-0.68	-4.80
	5,495.0	21.84	144.35	5,309.4	1,026.2	-764.1	685.5	2.97	-2.91	1.50
	5,539.0	21.27	143.61	5,350.3	1,042.3	-777.1	695.0	1.44	-1.30	-1.68
	5,582.0	20.52	143.55	5,390.5	1,057.6	-789.5	704.1	1.74	-1.74	-0.14
	5,626.0	20.79	143.87	5,431.7	1,073.1	-802.0	713.3	0.67	0.61	0.73
	5,670.0	19.91	143.74	5,472.9	1,088.3	-814.3	722.3	2.00	-2.00	-0.30
	5,714.0	19.51	145.72	5,514.3	1,103.1	-826.5	730.9	1.77	-0.91	4.50
	5,758.0	19.12	146.33	5,555.9	1,117.6	-838.5	739.0	1.00	-0.89	1.39
	5,801.0	19.16	146.68	5,596.5	1,131.5	-850.3	746.8	0.28	0.09	0.81
	5,845.0	19.10	146.86	5,638.1	1,145.9	-862.3	754.7	0.19	-0.14	0.41
	5,889.0	18.76	147.78	5,679.7	1,160.0	-874.4	762.4	1.03	-0.77	2.09
	5,933.0	18.59	147.60	5,721.4	1,173.9	-886.3	769.9	0.41	-0.39	-0.41
	5,977.0	17.70	149.80	5,763.2	1,187.5	-898.0	777.1	2.55	-2.02	5.00
	6,020.0	16.83	150.20	5,804.2	1,200.0	-909.0	783.4	2.04	-2.02	0.93



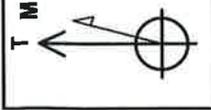
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 18 T9, R16
Well: S-18-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well S-18-9-16
MD Reference: S-18-9-16 @ 5938.0usft (SS #2)
North Reference: S-18-9-16 @ 5938.0usft (SS #2)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

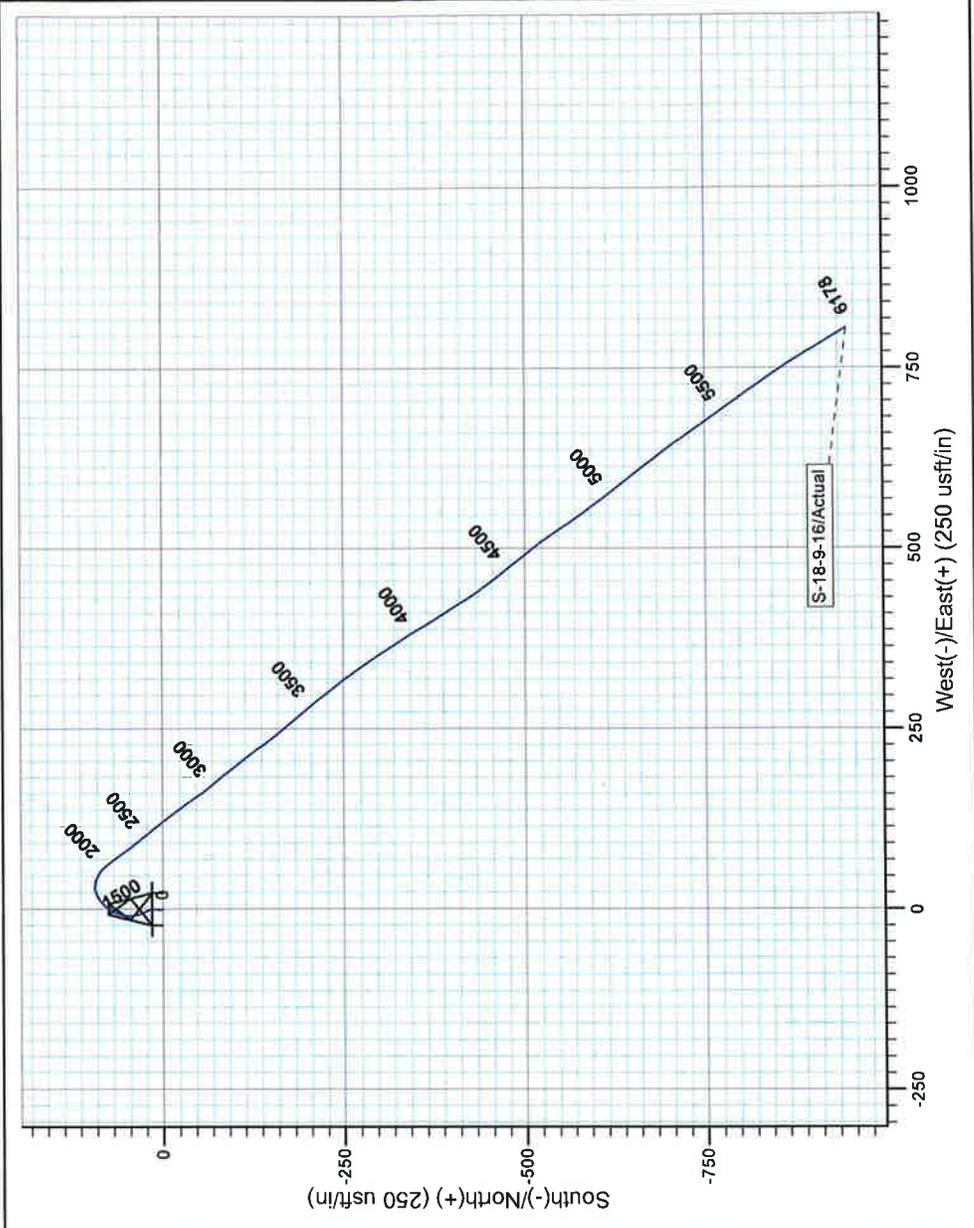
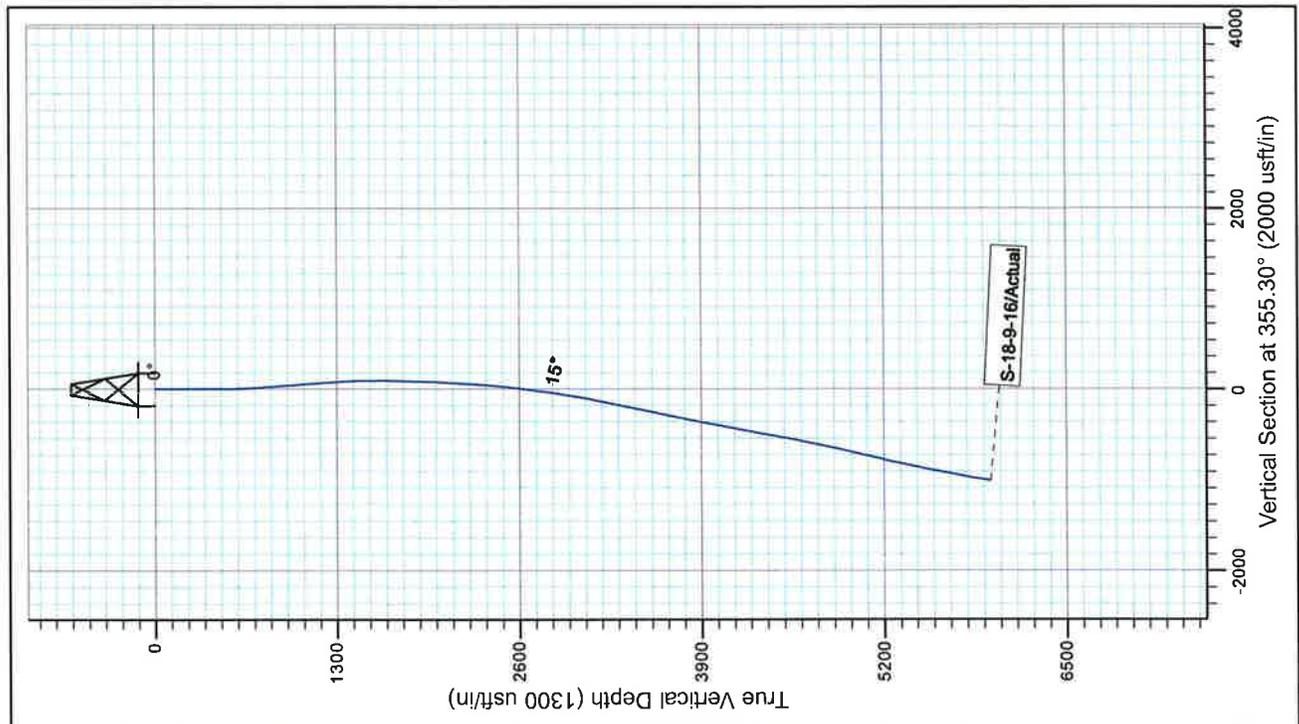
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,064.0	15.83	148.44	5,846.5	1,212.2	-919.7	789.8	2.54	-2.27	-4.00
6,108.0	14.94	147.80	5,888.9	1,223.8	-929.6	795.9	2.06	-2.02	-1.45
6,178.0	14.46	149.98	5,956.6	1,241.3	-944.8	805.1	1.05	-0.69	3.11

Checked By: _____ Approved By: _____ Date: _____

Project: USGS Myton SW (UT)
 Site: SECTION 18 T9, R16
 Well: S-18-9-16
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 10.98°
 Magnetic Field
 Strength: 51958.5snT
 Dip Angle: 65.69°
 Date: 5/10/2014
 Model: IGRF2010



Design: Actual (S-18-9-16/Wellbore #1)

Created By: Matthew Linton Date: 8:03, June 01 2014

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



Well Name: GMBU S-18-9-16

Summary Rig Activity

Job Category		Job Start Date	Job End Date
Daily Operations			
Report Start Date	6/6/2014	Report End Date	6/7/2014
24hr Activity Summary	Run CBL, test csg/BOPS/wlvs and perf stg 1.		
Start Time	00:00	End Time	06:30
Comment	SDFN		
Start Time	06:30	End Time	06:45
Comment	SM		
Start Time	06:45	End Time	07:00
Comment	MIRUWLT, crane and pressure equipment.		
Start Time	07:00	End Time	08:30
Comment	Run CBL Log. ECT @ 56'. Depth logger 6108'.		
Start Time	08:30	End Time	10:30
Comment	Pressure test csg to 4300 psi for 30 min. Test each component of the well control stack w/ low test of 250-300 psi for 5 min & high test of 4300 psi for 10 min.		
Start Time	10:30	End Time	11:30
Comment	Perforate stage 1		
Start Time	11:30	End Time	23:00
Comment	SDFN.		
24hr Activity Summary			
Report Start Date	6/9/2014	Report End Date	6/10/2014
24hr Activity Summary	Frac stages 1-4. FB to FT.		
Start Time	00:00	End Time	06:30
Comment	SDFN		
Start Time	06:30	End Time	07:00
Comment	SM		
Start Time	07:00	End Time	07:30
Comment	(Stg #1 17# Frac) (CP-5, CP-3) Press test lines to 4800 psi. Open well w/ 204 psi. Break down formation w/ 7 bbls 4% KCL @ 1.9 bpm @ 2269 psi. Bring rate to 32 bpm while bullheading 12 bbls 15% HCL & shut down (ISDP 1721 psi, F.G. 74). Frac well w/ 922.3 bbls 17# gel fld. Pumped 80,746# 20/40 white sand in formation, ISIP 1768 psi, F.G. 75. Max press 4027 psi. Avg press 3367 psi. Avg rate 47.4. Avg rate 31 bpm, (5-min psi, 10-min 1560 psi, 15-min 1528 psi) Tot pumped 855.9, TFR 993.4		
Start Time	07:30	End Time	08:45
Comment	(Stg #2), RU The Perforators wireline, Press test lube to 4,000 psi. MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 2 spf) Set WFT 5 1/2" 6K CFTP @ 5140'. Perforate A1 and B1 sands @ 5060-63', 5046-49', 4919-21', and 4886-88'. (20-Holes), POOH RD wireline, SWI		
Start Time	08:45	End Time	09:30
Comment	(Stg #2 17# Frac) (A-1, B-1), RU Nabors frac equipment, Press test lines to 4800 psi. Open well w/ 870 psi. Break down formation w/ 2.1 bbls 4% KCL fld @ 2.7 bpm @ 1086 psi. Caught 80% of rate and then shutdown. (ISDP:1473, Fg: .75) Frac well w/ 1115.4 bbls 17# gell fld. Pumped tll of 135.361# 20/40 white sand in formation, ISIP 2610 psi, F.G. .98, Max press 3705 psi. Avg press 2581 psi. Max rate 43.1, Avg rate 42.6, (5 -min 1890 psi, 10-min 1758 psi, 15-min 1641 psi) Tot wtr pumped: 1003.8, TWTR: 1997.2		
Start Time	09:30	End Time	10:30
Comment	(Stg #3), RU The Perforators, 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 WFT 5 1/2" 6K CFTP @ 4790'. Perforate D-3, and D-1 sands @ 4712-16', 4636-38', and 4622-24' (16-Holes), POOH RD ireline, SWI		
Start Time	10:30	End Time	11:00
Comment	(Stg #3 17# Frac) (D3, D1), RU Nabors frac equipment, Press test lines to 4800 psi. Open well w/ 1046 psi. Break down formation w/ .5 bbls 4% KCL @ 1.8 bpm @ 1306 psi. Reached 80% of rate and shut down. ISDP: 1590 FG: .79 Frac well w/ 757.3 bbls gell fld. Pumped tll of 79,946# 20/40 white sand in formation, ISIP 1947 psi, F.G. .86, Max press 3778 psi. Avg press 3669 psi. Max rate 35.1, Avg rate 31.4, (5-min 1795 psi, 10-min 1714 psi, 15-min 1663 psi) Pumped 688.5 bbls. BWTR 2685.7		



Well Name: GMBU S-18-9-16

Summary Rig Activity

Start Time	11:00	End Time	12:15	Comment
Start Time	12:15	End Time	13:00	Comment
Start Time	13:00	End Time	15:30	Comment
Start Time	15:30	End Time	00:00	Comment
Report Start Date	6/10/2014	Report End Date	6/11/2014	24hr Activity Summary
Start Time	00:00	End Time	14:30	Comment
Start Time	14:30	End Time	15:00	Comment
Start Time	15:00	End Time	15:30	Comment
Start Time	15:30	End Time	16:30	Comment
Start Time	16:30	End Time	17:00	Comment
Start Time	17:00	End Time	17:30	Comment
Start Time	17:30	End Time	00:00	Comment
Report Start Date	6/11/2014	Report End Date	6/12/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	08:30	Comment
Start Time	08:30	End Time	09:30	Comment
Start Time	09:30	End Time	10:45	Comment
Start Time	10:45	End Time	14:15	Comment
Start Time	14:15	End Time	15:30	Comment
Start Time	15:30	End Time	18:00	Comment



Well Name: GMBU S-18-9-16

Summary Rig Activity

Start Time	18:00	End Time	19:15	Comment
				SPOT IN RBS SWIVEL, R/U POWER SWIVEL, HIGH KELLY SWIVEL, EOT @ 3990'. READY TO DRILL FIRST THING. SWIFN.
Start Time	19:15	End Time	19:45	Comment
Start Time	19:45	End Time	00:00	Comment
Report Start Date	6/12/2014	Report End Date	6/13/2014	24hr Activity Summary
Start Time	00:00	End Time	06:30	DO/CO to PBTD. Circ ch and LD 20 jnts. RDMWOR so that construction can fill/repair hole under WOR.
Start Time	06:30	End Time	07:00	Comment
Start Time	07:00	End Time	07:45	Comment
				SICP 0 PSI, SITP 0 PSI, OPEN WELL, PRESSURE TEST LINES, BREAK CIRCULATION, TAG K/P @ 4200' (NO FILL) DRILL PLUG, 15 MINUTES
Start Time	07:45	End Time	09:00	Comment
				P/U 2 JTS W/ SWIVEL, TAG FILL @ 4080 (130' FILL), BREAK CIRCULATION, CLEAN FILL TO PLUG @ 4210', DRILL PLUG, 15 MINUTES.
Start Time	09:00	End Time	11:00	Comment
				R/D SWIVEL, P/U 14 JTS, TAG FILL @ 4700' (90' FILL), R/U SWIVEL, BREAK CIRCULATION, CLEAN FILL TO PLUG @ 4790' DRILL PLUG, 40 MINUTES
Start Time	11:00	End Time	12:45	Comment
				P/U 7 JTS AND TAG FILL @ 5040(100' FILL), BREAK CIRCULATION, CLEAN FILL TO PLUG @ 5140', DRILL PLUG, 20 MINUTES
Start Time	12:45	End Time	15:45	Comment
				R/D SWIVEL, P/U 16 JTS, TAG FILL @ 5665, (465' FILL), R/U SWIVEL, CLEAN TO FILL TO PBTD @ 6133
Start Time	15:45	End Time	18:00	Comment
				CIRCULATE DOWN TBG UP CSG W/ 350 BBLS TILL CLEAN R/D SWIVEL
Start Time	18:00	End Time	20:00	Comment
				WHILE CIRCULATING WELL CLEAN CREW NOTICED THE GROUND NEXT TO THE RIG WAS GIVING AWAY, SUPERVISOR NOTIFIED NFX AND AFTER INVESTIGATING DECIDED TO LAY DOWN 20 JTS OFF BOTTOM AND RIG DOWN. EOT @ 5480. READY FOR BACKHOE TO DIG OUT SOFT DIRT AND FIX LOCATION IN THE MORNING.
Start Time	20:00	End Time	20:30	Comment
Start Time	20:30	End Time	00:00	Comment
Report Start Date	6/13/2014	Report End Date	6/14/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	MIRUSU, C/O to PBTD. TOOH w/ tbg. TIH w/ production tbg.
Start Time	07:00	End Time	09:00	Comment
				Held Safety meeting. Dig out 6 yds mud from trench where injection line is. Back fill w/ rock (packing in dirt as replacing).



Well Name: GMBU S-18-9-16

Summary Rig Activity

Start Time	End Time	Comment
09:00	10:00	MIRUSU.
10:00	11:00	Open well w/ 100 psi on casing. PU 20 jts tbg of rack. Tag 10' of fill.
11:00	13:00	C/O to PBTD @ 6133' w/ 400 bbis of 4% KCL wtr (well making sand).
13:00	15:00	TOOH w/ 182 jts tbg. LD mill & X/O sub. Had to re-level rig on way.
15:00	17:00	RU BHA. Purge valve, 2 jts (new J-55, 2-7/8", 6.5#), Desander #3 spiral, 4' x 2-7/8" N-80 pup jt, 1 jt tbg, SN, 1 jt tbg, TA (new 45K shear National), TIH w/ 178 jts tbg (EOT @ 6037').
17:00	00:00	Shut in for weekend.
Report Start Date 6/16/2014 Report End Date 6/17/2014 24hr Activity Summary RD BOP's. Set TA. PU RIH w/ pmp & rods. RDMOSU.		
00:00	07:00	SIFN.
07:00	10:00	Held safety meeting. Open well w/ 0 psi on casing. RD BOP's. Set TA w/ 18K @ 5880' w/ SN @ 5916' & EOT @ 6038'. Switch over to rod equipment.
10:00	15:00	Pickup & prime 2-1/2" x 1-3/4" x 20' x 24' RHAC Nov pump .005 w/ grv, double valve pump w/ 207" SL. 30- 7/8" 8per rods, 139- 3/4" 4per rods, 66- 3/4" 8per rods, 1-1/2" x 30' spray metal polish rod w/ 1' on bitm & 5' on top, 2' x 7/8" pny rd.
15:00	17:30	Space out pump. Hang head. Test tbg & pump to 800 psi. RDMOSU.
17:30	00:00	SIFN.