

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> GMBU P-18-9-16				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE				
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> GMBU (GRRV)				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-66184			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		2088 FSL 506 FEL		NESE	13	9.0 S	15.0 E	S		
Top of Uppermost Producing Zone		1606 FSL 169 FEL		NESE	13	9.0 S	15.0 E	S		
At Total Depth		1111 FSL 157 FWL		SWSW	18	9.0 S	16.0 E	S		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 157			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 20				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 644			<b>26. PROPOSED DEPTH</b> MD: 6173 TVD: 6040				
<b>27. ELEVATION - GROUND LEVEL</b> 6111			<b>28. BOND NUMBER</b> WYB000493			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
PROD	7.875	5.5	0 - 6173	15.5	J-55 LT&C	8.3	Premium Lite High Strength	288	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Heather Calder				<b>TITLE</b> Production Technician				<b>PHONE</b> 435 646-4936		
<b>SIGNATURE</b>				<b>DATE</b> 02/24/2014				<b>EMAIL</b> hcalder@newfield.com		
<b>API NUMBER ASSIGNED</b> 43013528690000				<b>APPROVAL</b>  Permit Manager						

NEWFIELD PRODUCTION COMPANY  
 GMBU P-18-9-16  
 AT SURFACE: NE/SE SECTION 13, T9S R15E  
 DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 3,645'
Green River	3,645'
Wasatch	6,200'
<b>Proposed TD</b>	6,173'(MD) 6,040' (TVD)

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

Green River Formation (Oil)      3,645' – 6,200'

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

#### 4. **PROPOSED CASING PROGRAM**

##### a. **Casing Design: GMBU P-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'	6,173'	15.5	J-55	LTC	4,810 2.45	4,040 2.06	217,000 2.27

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 P-18-9-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,173'	Prem Lite II w/ 10% gel + 3% KCl	288	30%	11.0	3.26
			940			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

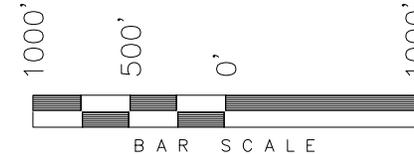
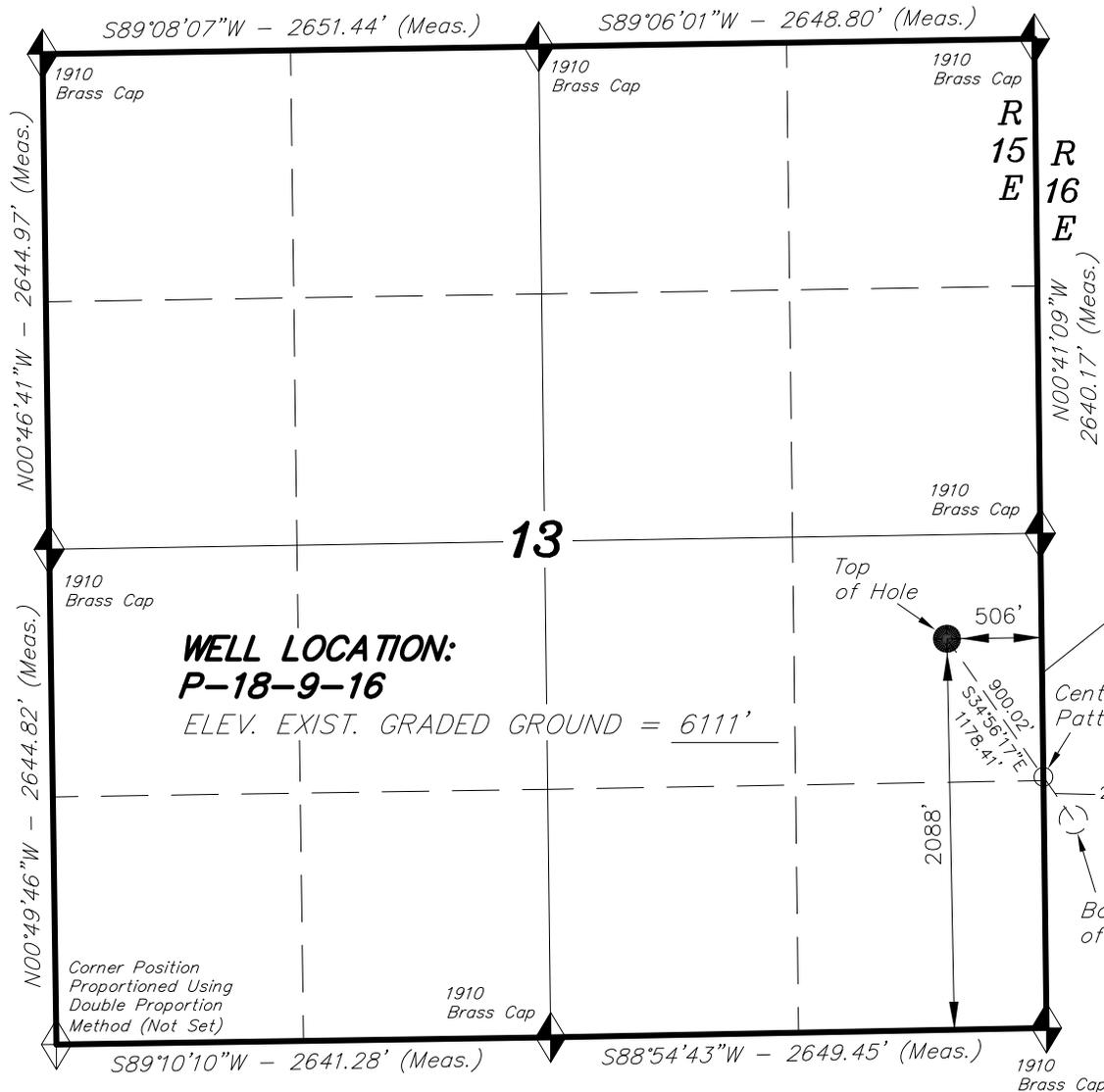
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2014, and take approximately seven (7) days from spud to rig release.

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

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, P-18-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4  
 SE 1/4 OF SECTION 13, T9S, R15E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

**WELL LOCATION:  
 P-18-9-16**

ELEV. EXIST. GRADED GROUND = 6111'

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  
 10-23-13  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 22837  
 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'

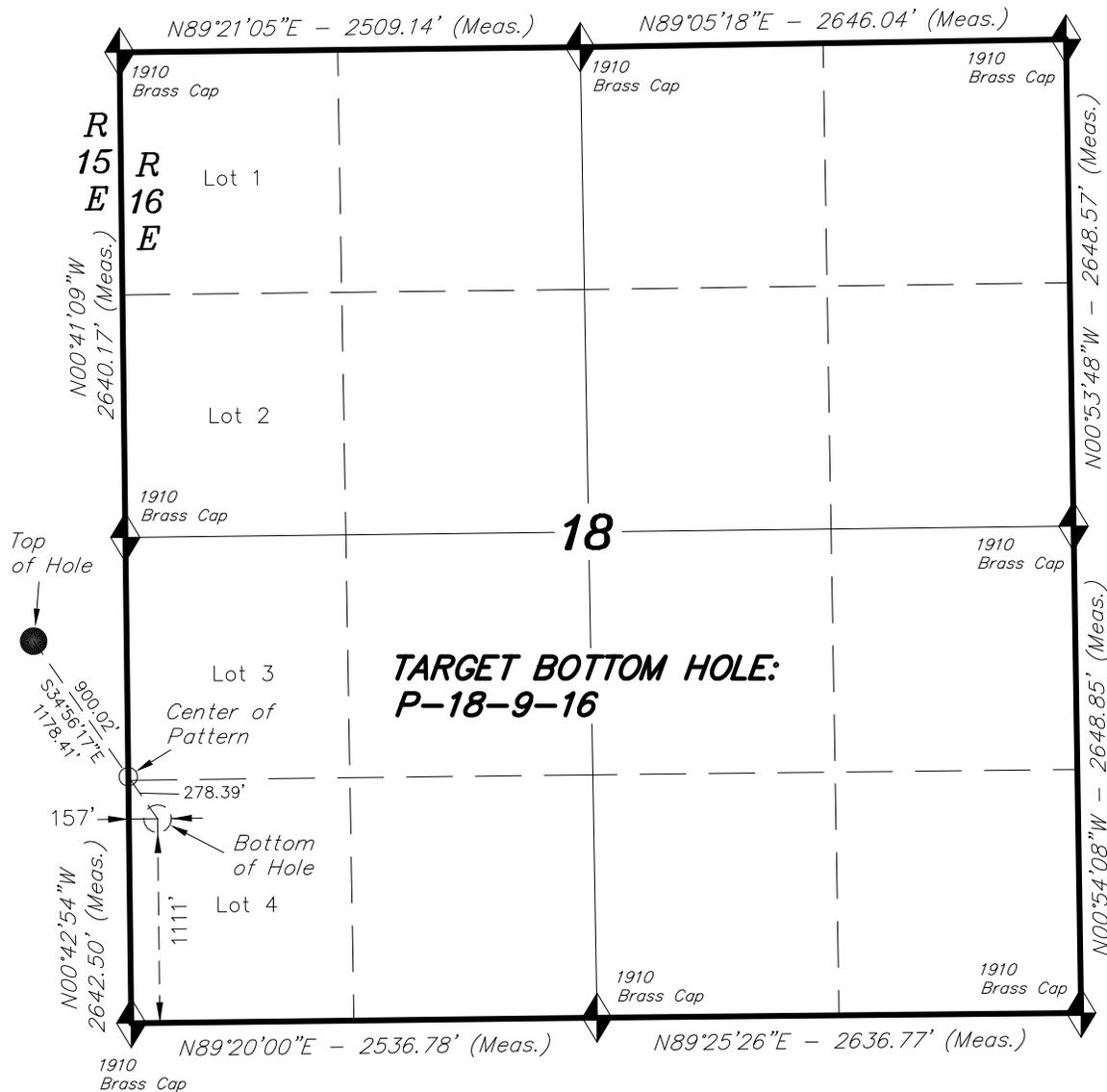
<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°01'45.89"
LONGITUDE = 110°10'22.36"
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°01'46.03"
LONGITUDE = 110°10'19.81"

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

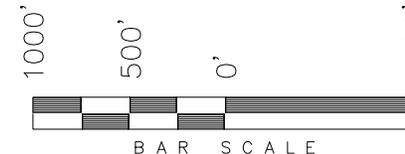
DATE SURVEYED: 07-25-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 10-23-13	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

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

## NEWFIELD EXPLORATION COMPANY



TARGET BOTTOM HOLE, P-18-9-16,  
 LOCATED AS SHOWN IN THE SW 1/4  
 SW 1/4 (LOT 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.
3. The Center of Pattern footages are 1341' FSL & 0' FWL.



◆ = SECTION CORNERS LOCATED

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.



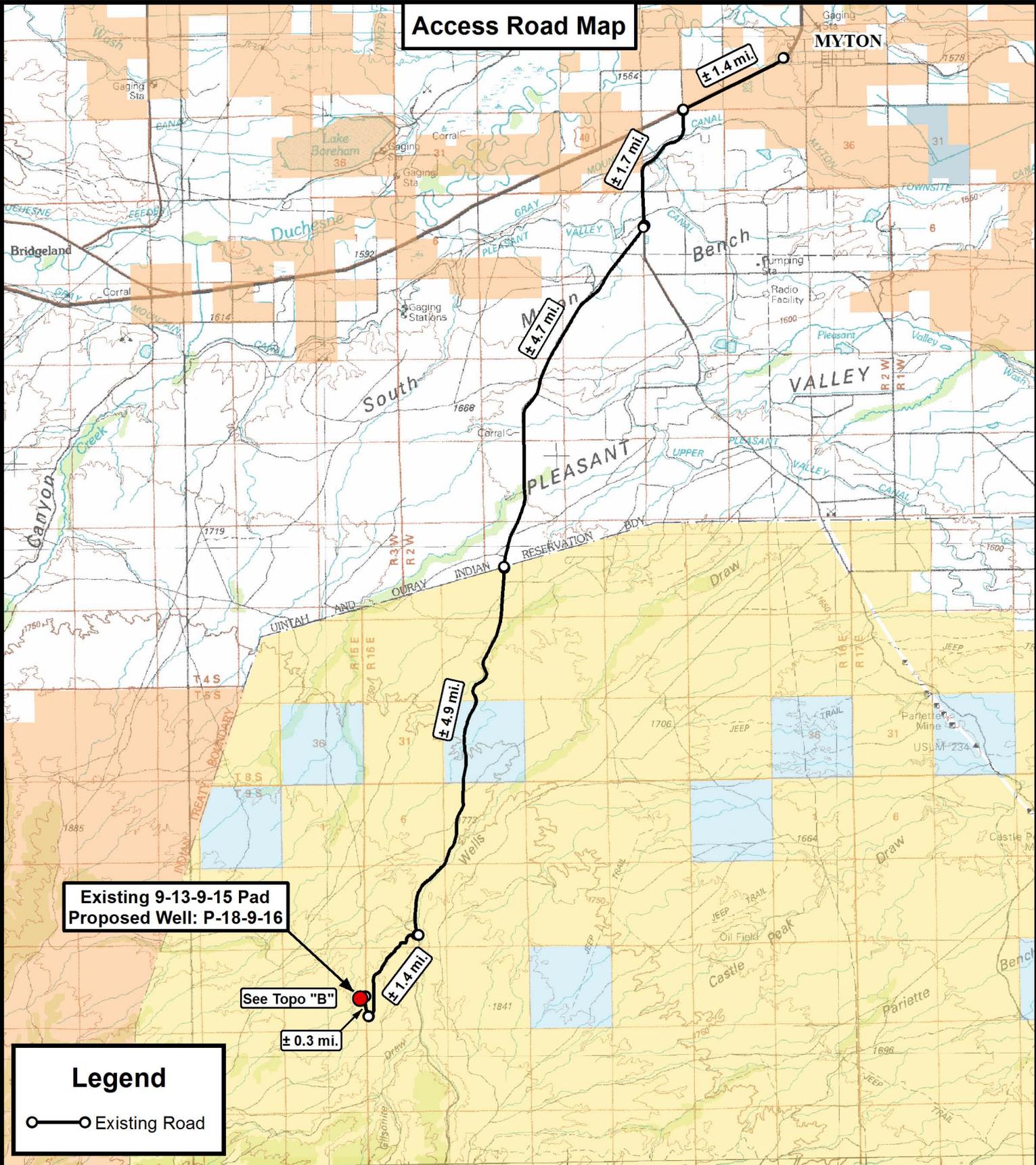
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'38.53"	LATITUDE = 40°01'36.25"
LONGITUDE = 110°10'15.88"	LONGITUDE = 110°10'13.87"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'38.67"	LATITUDE = 40°01'36.39"
LONGITUDE = 110°10'13.33"	LONGITUDE = 110°10'11.32"

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

DATE SURVEYED: 07-25-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 10-23-13	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

**Access Road Map**



Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16

See Topo "B"

± 1.4 mi.

± 0.3 mi.

± 4.9 mi.

± 4.7 mi.

± 1.7 mi.

± 1.4 mi.

**Legend**

○—○ Existing Road

**Tri State Land Surveying, Inc.**  
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**NEWFIELD EXPLORATION COMPANY**

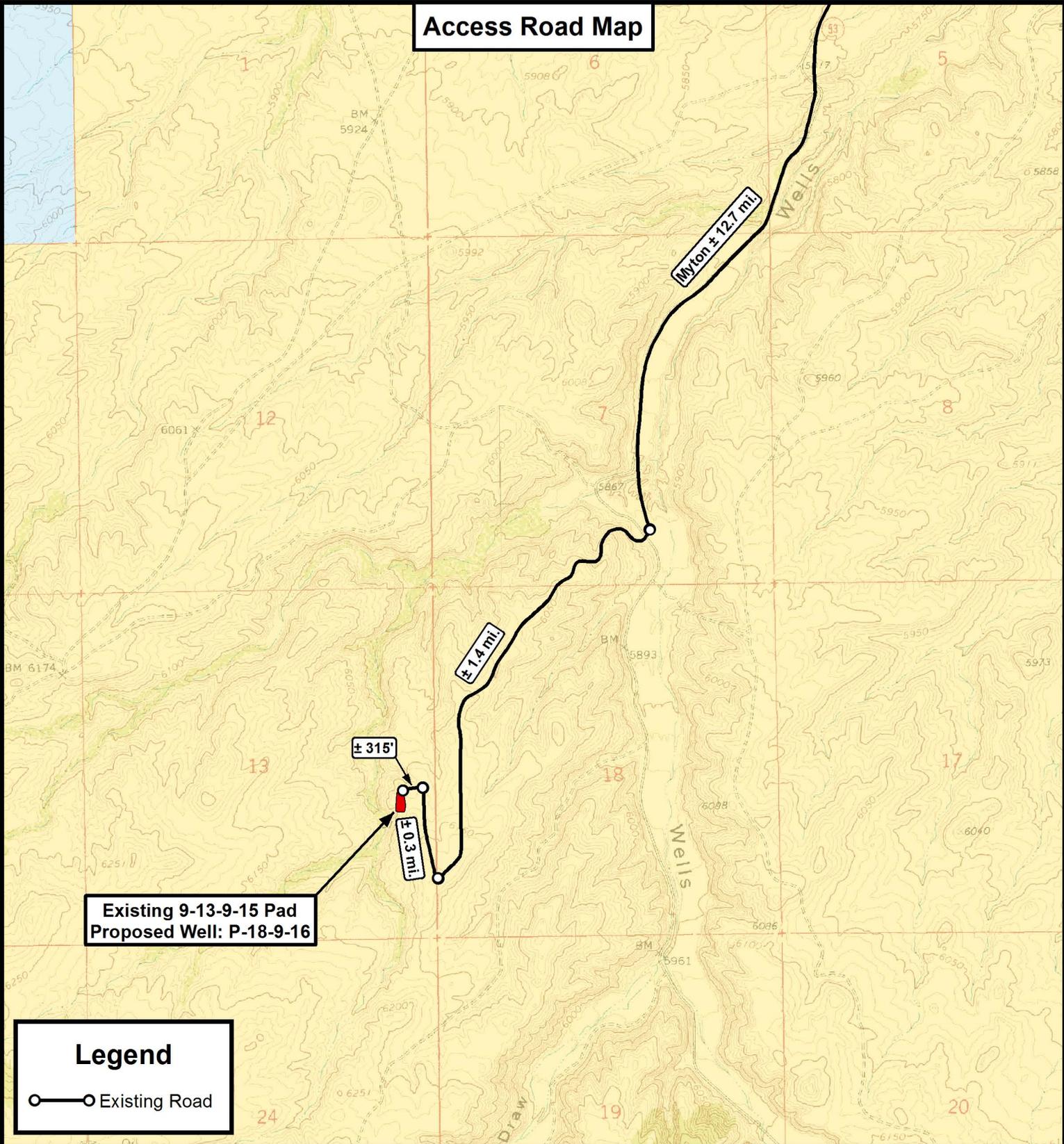
Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	10-25-2013		V1
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



**Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16**

**Legend**

○—○ Existing Road

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

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**NEWFIELD EXPLORATION COMPANY**

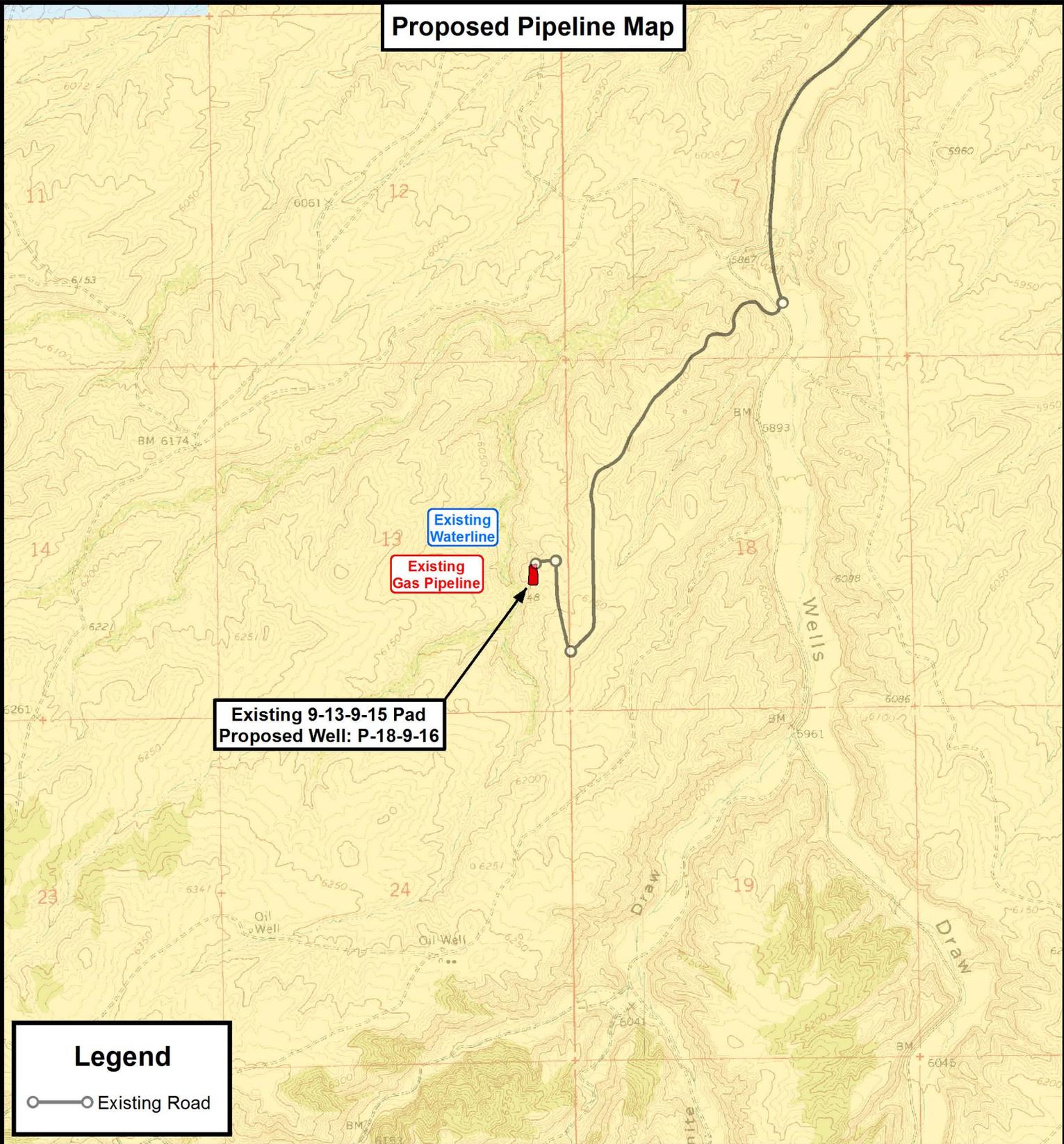
Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	10-25-2013		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



**Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16**

**Existing Waterline**

**Existing Gas Pipeline**

**Legend**

○—○ Existing Road

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**NEWFIELD EXPLORATION COMPANY**

Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

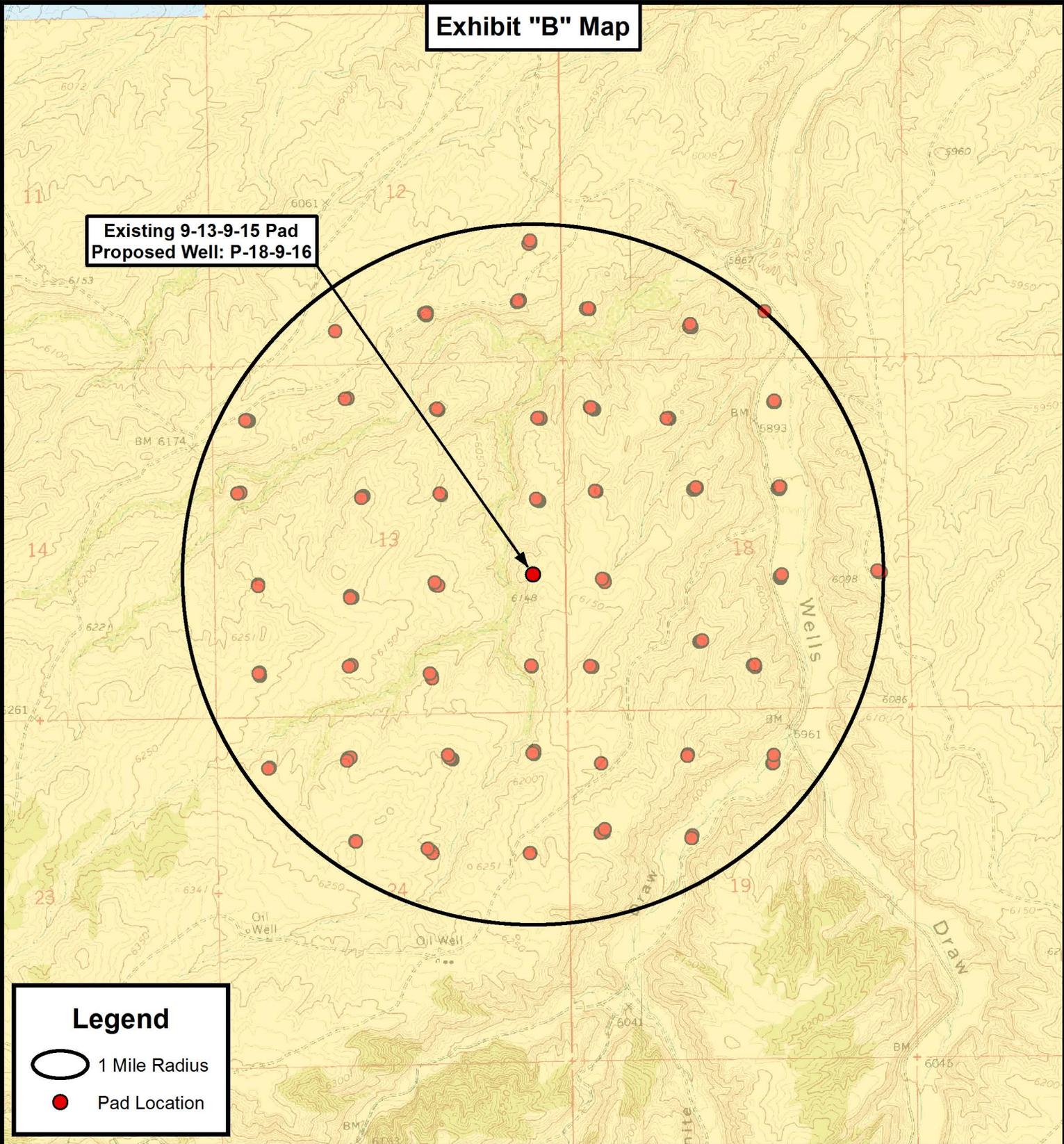
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DATE:	10-25-2013		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Exhibit "B" Map**

**Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16**



**Legend**

- 1 Mile Radius
- Pad Location

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**NEWFIELD EXPLORATION COMPANY**

Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	10-25-2013		
SCALE:	1" = 2,000'		<b>V1</b>

**TOPOGRAPHIC MAP**

SHEET  
**D**

## Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
9-13-9-15	Surface Hole	40° 01' 45.74" N	110° 10' 22.17" W
P-18-9-16	Surface Hole	40° 01' 45.89" N	110° 10' 22.36" W
P-18-9-16	Center of Pattern	40° 01' 38.53" N	110° 10' 15.88" W
P-18-9-16	Bottom of Hole	40° 01' 36.25" N	110° 10' 13.87" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
9-13-9-15	Surface Hole	40.029372	110.172826
P-18-9-16	Surface Hole	40.029415	110.172878
P-18-9-16	Center of Pattern	40.027369	110.171077
P-18-9-16	Bottom of Hole	40.026737	110.170520
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
9-13-9-15	Surface Hole	4431344.966	570577.480
P-18-9-16	Surface Hole	4431349.641	570573.019
P-18-9-16	Center of Pattern	4431124.020	570728.780
P-18-9-16	Bottom of Hole	4431054.234	570776.959
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
9-13-9-15	Surface Hole	40° 01' 45.88" N	110° 10' 19.63" W
P-18-9-16	Surface Hole	40° 01' 46.03" N	110° 10' 19.81" W
P-18-9-16	Center of Pattern	40° 01' 38.67" N	110° 10' 13.33" W
P-18-9-16	Bottom of Hole	40° 01' 36.39" N	110° 10' 11.32" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
9-13-9-15	Surface Hole	40.029410	110.172118
P-18-9-16	Surface Hole	40.029453	110.172170
P-18-9-16	Center of Pattern	40.027407	110.170369
P-18-9-16	Bottom of Hole	40.026774	110.169812
Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
9-13-9-15	Surface Hole	4431139.627	570639.685
P-18-9-16	Surface Hole	4431144.302	570635.223
P-18-9-16	Center of Pattern	4430918.681	570790.988
P-18-9-16	Bottom of Hole	4430848.895	570839.167



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

### NEWFIELD EXPLORATION COMPANY

Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

DRAWN BY: A.P.C.  
DATE: 10-25-2013  
VERSION: V1

REVISED:

**COORDINATE REPORT**

SHEET

**1**

RECEIVED: February 24, 2014



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 13 T9, R15**

**P-18-9-16**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**21 October, 2013**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P-18-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Site:</b>	SECTION 13 T9, R15	<b>North Reference:</b>	True
<b>Well:</b>	P-18-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 13 T9, R15				
<b>Site Position:</b>		<b>Northing:</b>	7,184,428.02 ft	<b>Latitude:</b>	40° 2' 7.883 N
<b>From:</b>	Map	<b>Easting:</b>	2,012,548.82 ft	<b>Longitude:</b>	110° 10' 15.117 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.85 °

<b>Well</b>	P-18-9-16, SHL LAT: 40 01 45.89 LONG: -110 10 22.36					
<b>Well Position</b>	<b>+N/-S</b>	-2,225.3 ft	<b>Northing:</b>	7,182,194.59 ft	<b>Latitude:</b>	40° 1' 45.890 N
	<b>+E/-W</b>	-563.4 ft	<b>Easting:</b>	2,012,018.54 ft	<b>Longitude:</b>	110° 10' 22.360 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	6,121.0 ft	<b>Ground Level:</b>	6,111.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/21/2013	11.05	65.70	52,010

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	145.06

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,484.8	13.27	145.06	1,476.9	-83.6	58.4	1.50	1.50	16.39	145.06	
4,960.7	13.27	145.06	4,860.0	-737.8	515.5	0.00	0.00	0.00	0.00	P-18-9-16 TGT
6,173.1	13.27	145.06	6,040.0	-966.0	674.9	0.00	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P-18-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Site:</b>	SECTION 13 T9, R15	<b>North Reference:</b>	True
<b>Well:</b>	P-18-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	145.06	700.0	-1.1	0.7	1.3	1.50	1.50	0.00
800.0	3.00	145.06	799.9	-4.3	3.0	5.2	1.50	1.50	0.00
900.0	4.50	145.06	899.7	-9.7	6.7	11.8	1.50	1.50	0.00
1,000.0	6.00	145.06	999.3	-17.2	12.0	20.9	1.50	1.50	0.00
1,100.0	7.50	145.06	1,098.6	-26.8	18.7	32.7	1.50	1.50	0.00
1,200.0	9.00	145.06	1,197.5	-38.6	26.9	47.0	1.50	1.50	0.00
1,300.0	10.50	145.06	1,296.1	-52.4	36.6	64.0	1.50	1.50	0.00
1,400.0	12.00	145.06	1,394.2	-68.4	47.8	83.5	1.50	1.50	0.00
1,484.8	13.27	145.06	1,476.9	-83.6	58.4	102.0	1.50	1.50	0.00
1,500.0	13.27	145.06	1,491.7	-86.5	60.4	105.5	0.00	0.00	0.00
1,600.0	13.27	145.06	1,589.0	-105.3	73.6	128.5	0.00	0.00	0.00
1,700.0	13.27	145.06	1,686.4	-124.1	86.7	151.4	0.00	0.00	0.00
1,800.0	13.27	145.06	1,783.7	-143.0	99.9	174.4	0.00	0.00	0.00
1,900.0	13.27	145.06	1,881.0	-161.8	113.0	197.3	0.00	0.00	0.00
2,000.0	13.27	145.06	1,978.3	-180.6	126.2	220.3	0.00	0.00	0.00
2,100.0	13.27	145.06	2,075.7	-199.4	139.3	243.3	0.00	0.00	0.00
2,200.0	13.27	145.06	2,173.0	-218.2	152.5	266.2	0.00	0.00	0.00
2,300.0	13.27	145.06	2,270.3	-237.0	165.6	289.2	0.00	0.00	0.00
2,400.0	13.27	145.06	2,367.7	-255.9	178.8	312.1	0.00	0.00	0.00
2,500.0	13.27	145.06	2,465.0	-274.7	191.9	335.1	0.00	0.00	0.00
2,600.0	13.27	145.06	2,562.3	-293.5	205.1	358.0	0.00	0.00	0.00
2,700.0	13.27	145.06	2,659.7	-312.3	218.2	381.0	0.00	0.00	0.00
2,800.0	13.27	145.06	2,757.0	-331.1	231.4	404.0	0.00	0.00	0.00
2,900.0	13.27	145.06	2,854.3	-350.0	244.5	426.9	0.00	0.00	0.00
3,000.0	13.27	145.06	2,951.6	-368.8	257.7	449.9	0.00	0.00	0.00
3,100.0	13.27	145.06	3,049.0	-387.6	270.8	472.8	0.00	0.00	0.00
3,200.0	13.27	145.06	3,146.3	-406.4	283.9	495.8	0.00	0.00	0.00
3,300.0	13.27	145.06	3,243.6	-425.2	297.1	518.8	0.00	0.00	0.00
3,400.0	13.27	145.06	3,341.0	-444.1	310.2	541.7	0.00	0.00	0.00
3,500.0	13.27	145.06	3,438.3	-462.9	323.4	564.7	0.00	0.00	0.00
3,600.0	13.27	145.06	3,535.6	-481.7	336.5	587.6	0.00	0.00	0.00
3,700.0	13.27	145.06	3,632.9	-500.5	349.7	610.6	0.00	0.00	0.00
3,800.0	13.27	145.06	3,730.3	-519.3	362.8	633.5	0.00	0.00	0.00
3,900.0	13.27	145.06	3,827.6	-538.2	376.0	656.5	0.00	0.00	0.00
4,000.0	13.27	145.06	3,924.9	-557.0	389.1	679.5	0.00	0.00	0.00
4,100.0	13.27	145.06	4,022.3	-575.8	402.3	702.4	0.00	0.00	0.00
4,200.0	13.27	145.06	4,119.6	-594.6	415.4	725.4	0.00	0.00	0.00
4,300.0	13.27	145.06	4,216.9	-613.4	428.6	748.3	0.00	0.00	0.00
4,400.0	13.27	145.06	4,314.2	-632.3	441.7	771.3	0.00	0.00	0.00
4,500.0	13.27	145.06	4,411.6	-651.1	454.9	794.2	0.00	0.00	0.00
4,600.0	13.27	145.06	4,508.9	-669.9	468.0	817.2	0.00	0.00	0.00
4,700.0	13.27	145.06	4,606.2	-688.7	481.2	840.2	0.00	0.00	0.00
4,800.0	13.27	145.06	4,703.6	-707.5	494.3	863.1	0.00	0.00	0.00
4,900.0	13.27	145.06	4,800.9	-726.4	507.5	886.1	0.00	0.00	0.00
4,960.7	13.27	145.06	4,860.0	-737.8	515.5	900.0	0.00	0.00	0.00
5,000.0	13.27	145.06	4,898.2	-745.2	520.6	909.0	0.00	0.00	0.00
5,100.0	13.27	145.06	4,995.5	-764.0	533.8	932.0	0.00	0.00	0.00

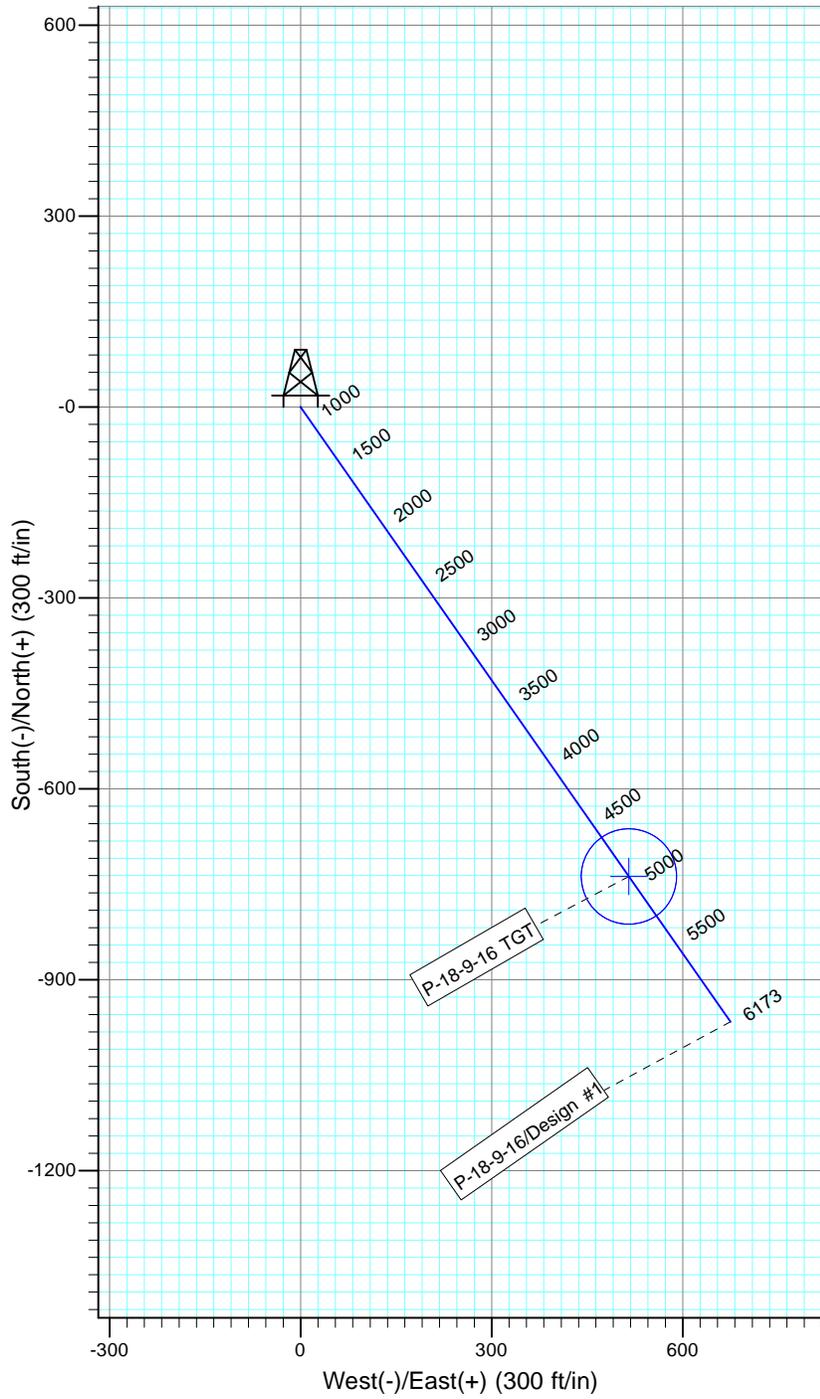
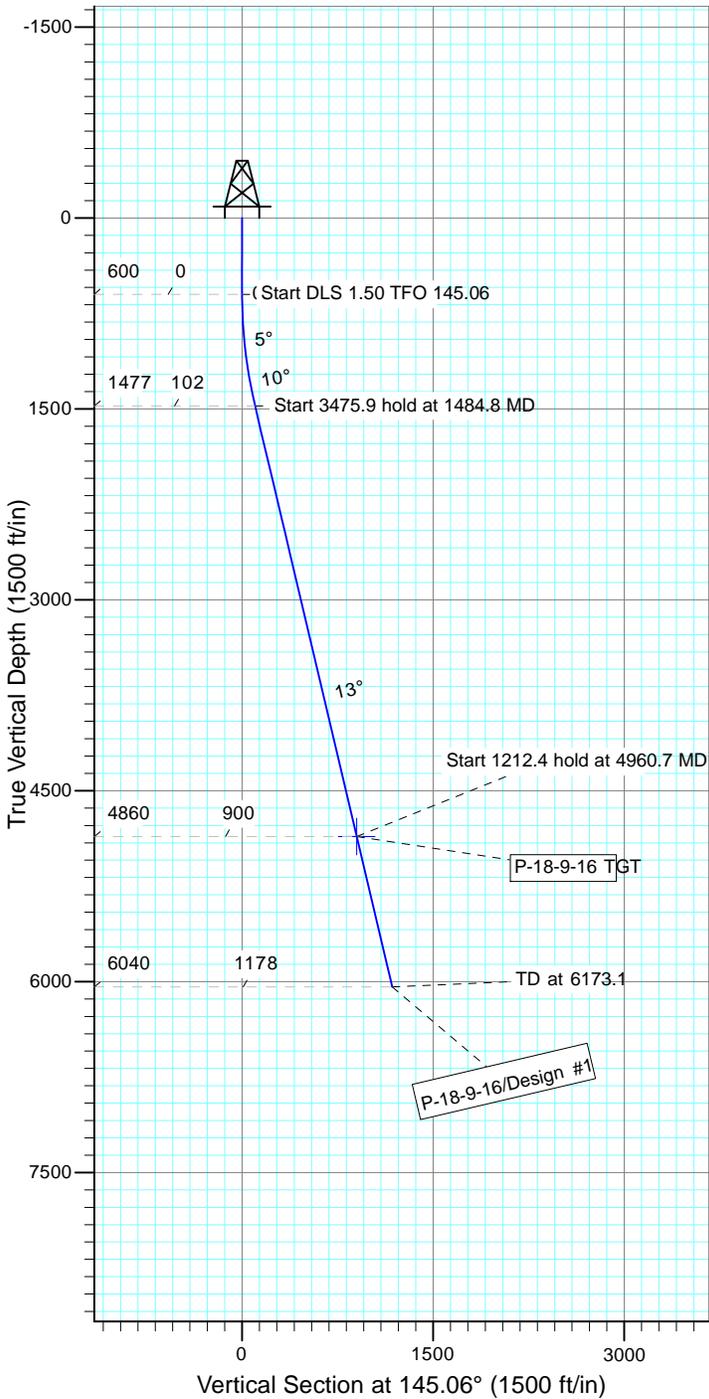
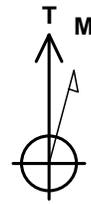


## Payzone Directional Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P-18-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	P-18-9-16 @ 6121.0ft (Original Well Elev)
<b>Site:</b>	SECTION 13 T9, R15	<b>North Reference:</b>	True
<b>Well:</b>	P-18-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	13.27	145.06	5,092.9	-782.8	546.9	955.0	0.00	0.00	0.00
5,300.0	13.27	145.06	5,190.2	-801.6	560.1	977.9	0.00	0.00	0.00
5,400.0	13.27	145.06	5,287.5	-820.5	573.2	1,000.9	0.00	0.00	0.00
5,500.0	13.27	145.06	5,384.9	-839.3	586.4	1,023.8	0.00	0.00	0.00
5,600.0	13.27	145.06	5,482.2	-858.1	599.5	1,046.8	0.00	0.00	0.00
5,700.0	13.27	145.06	5,579.5	-876.9	612.7	1,069.7	0.00	0.00	0.00
5,800.0	13.27	145.06	5,676.9	-895.7	625.8	1,092.7	0.00	0.00	0.00
5,900.0	13.27	145.06	5,774.2	-914.6	639.0	1,115.7	0.00	0.00	0.00
6,000.0	13.27	145.06	5,871.5	-933.4	652.1	1,138.6	0.00	0.00	0.00
6,100.0	13.27	145.06	5,968.8	-952.2	665.3	1,161.6	0.00	0.00	0.00
6,173.1	13.27	145.06	6,040.0	-966.0	674.9	1,178.4	0.00	0.00	0.00



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
P-18-9-16 TGT	4860.0	-737.8	515.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1484.8	13.27	145.06	1476.9	-83.6	58.4	1.50	145.06	102.0	
4	4960.7	13.27	145.06	4860.0	-737.8	515.5	0.00	0.00	900.0	P-18-9-16 TGT
5	6173.1	13.27	145.06	6040.0	-966.0	674.9	0.00	0.00	1178.4	



**NEWFIELD PRODUCTION COMPANY  
GMBU P-18-9-16  
AT SURFACE: NE/SE SECTION 13, T9S R15E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU P-18-9-16 located in the NE 1/4 SE 1/4 Section 13, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction – 12.7 miles ± to it's junction with an existing road to the north; proceed in a northerly and then southerly direction – 0.3 miles ± to it's junction with the beginning of the access road to the existing 9-13-9-15 well location.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 9-13-9-15 well pad. See attached **Topographic Map "B"**.

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

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

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right : 43-7478

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**

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
  2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
  3. 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.

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. MOAC Report # 13-358 12/17/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, Wade E Miller, Report dated 12/3/13.

**Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced

water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

**Additional Surface Stipulations**

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

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU P-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 P-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 #P-18-9-16, Section 13, Township 9S, Range 15E: Lease UTU-66184 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.

\_\_\_\_\_  
Date 2/20/14

\_\_\_\_\_  
Heather Calder  
Regulatory Technician  
Newfield Production Company

### Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

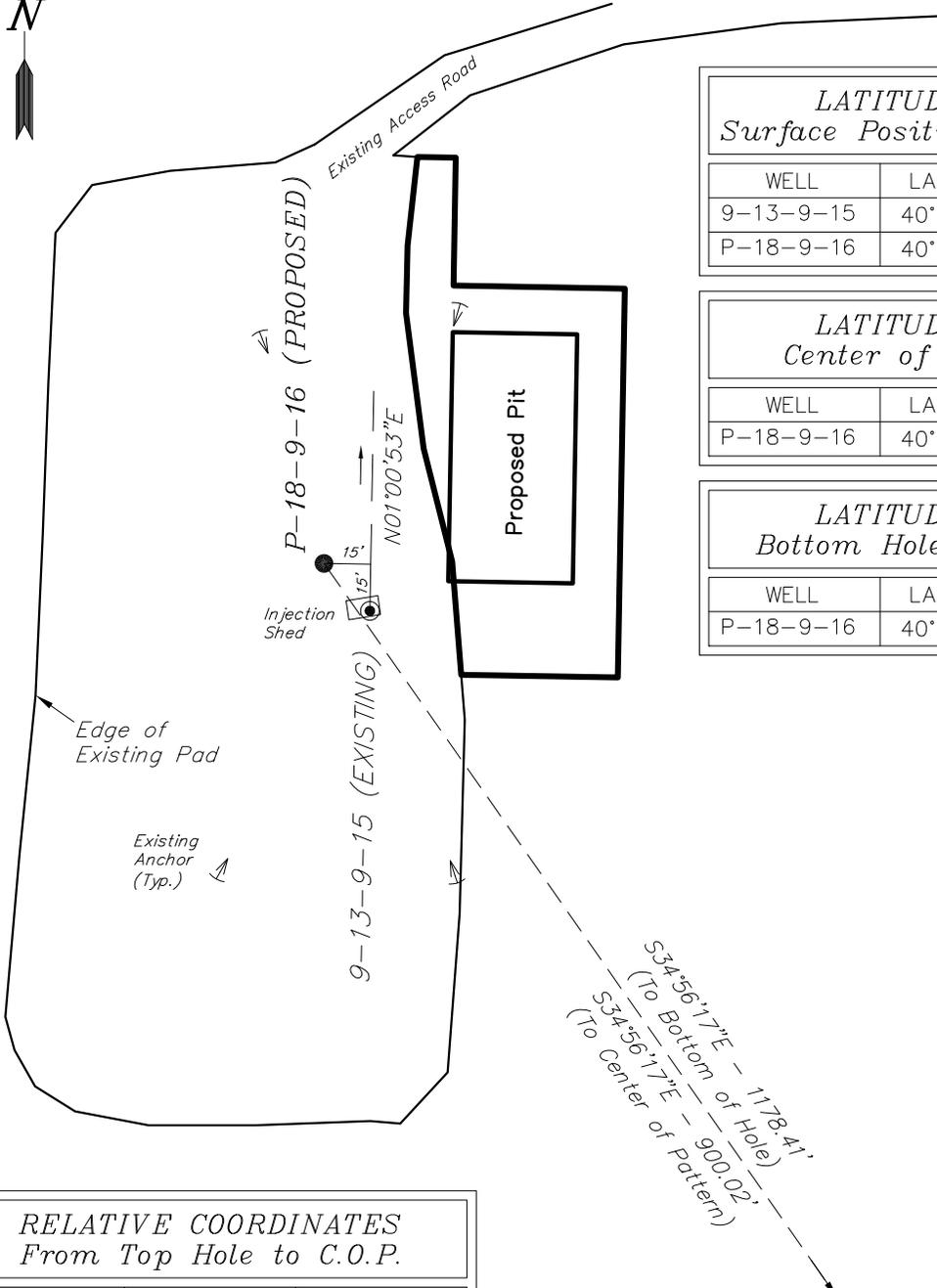
# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

EXISTING 9-13-9-15 PAD

PROPOSED WELL: P-18-9-16

Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.



LATITUDE & LONGITUDE Surface Position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
9-13-9-15	40° 01' 45.74"	110° 10' 22.17"
P-18-9-16	40° 01' 45.89"	110° 10' 22.36"

LATITUDE & LONGITUDE Center of Pattern (NAD 83)		
WELL	LATITUDE	LONGITUDE
P-18-9-16	40° 01' 38.53"	110° 10' 15.88"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)		
WELL	LATITUDE	LONGITUDE
P-18-9-16	40° 01' 36.25"	110° 10' 13.87"

**TOP HOLE FOOTAGES**  
 P-18-9-16  
 2088' FSL & 506' FEL

**CENTER OF  
 PATTERN FOOTAGES**  
 P-18-9-16  
 1341' FSL & 0' FWL

**BOTTOM HOLE FOOTAGES**  
 P-18-9-16  
 1111' FSL & 157' FWL

RELATIVE COORDINATES From Top Hole to C.O.P.		
WELL	NORTH	EAST
P-18-9-16	-738'	515'

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
P-18-9-16	-966'	675'

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

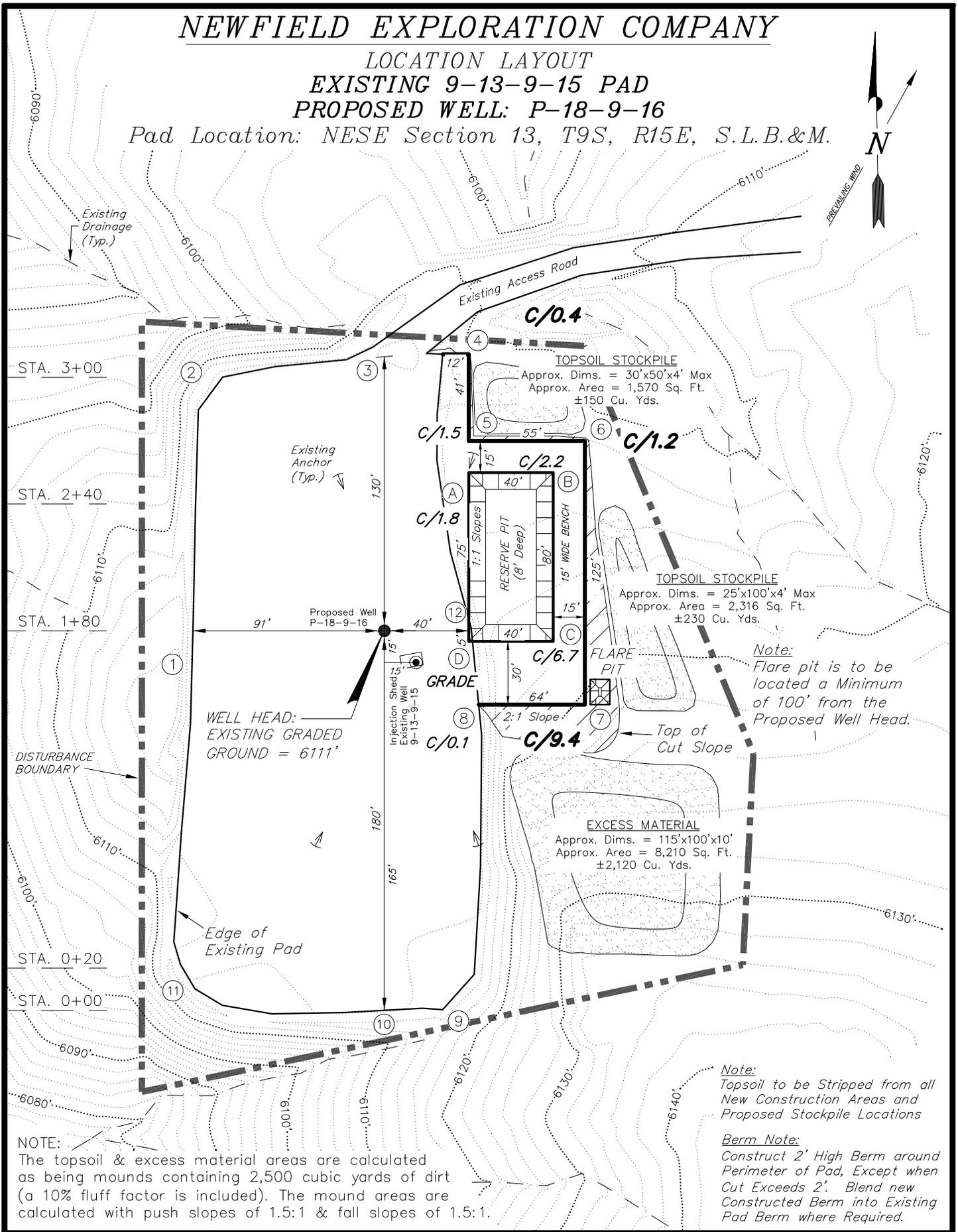
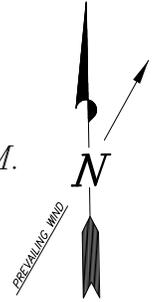
SURVEYED BY: M.C.	DATE SURVEYED: 07-25-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT EXISTING 9-13-9-15 PAD PROPOSED WELL: P-18-9-16

Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.



**NOTE:**  
The topsoil & excess material areas are calculated as being mounds containing 2,500 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

**Note:**  
Topsoil to be Stripped from all New Construction Areas and Proposed Stockpile Locations

**Berm Note:**  
Construct 2' High Berm around Perimeter of Pad, Except when Cut Exceeds 2'. Blend new Constructed Berm into Existing Pad Berm where Required.

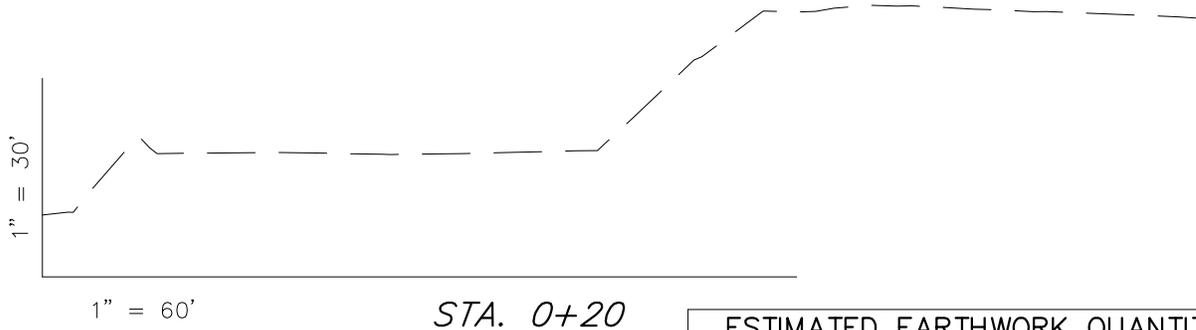
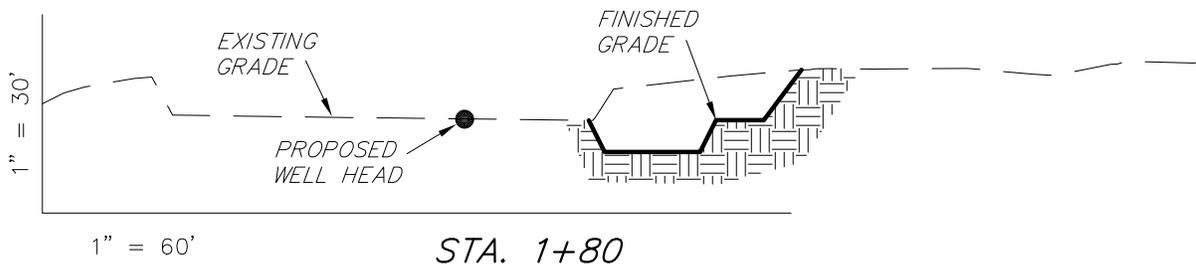
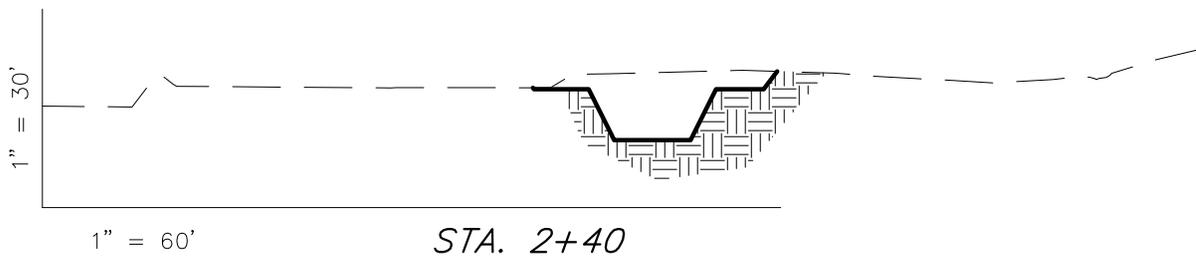
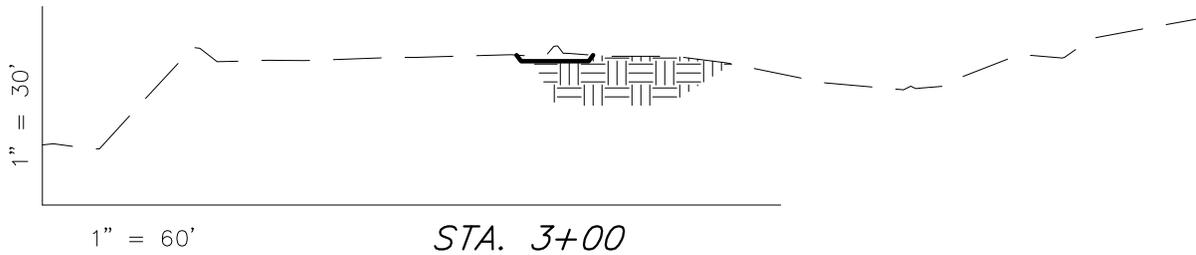
SURVEYED BY: M.C.	DATE SURVEYED: 07-25-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS EXISTING 9-13-9-15 PAD PROPOSED WELL: P-18-9-16

Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,240	0	Topsoil is not included in Pad Cut	1,240
PIT	690	0		690
TOTALS	1,930	0	350	1,930

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

SURVEYED BY: M.C.	DATE SURVEYED: 07-25-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: 1" = 60'	REVISED:	

(435) 781-2501

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

**RECEIVED:** February 24, 2014

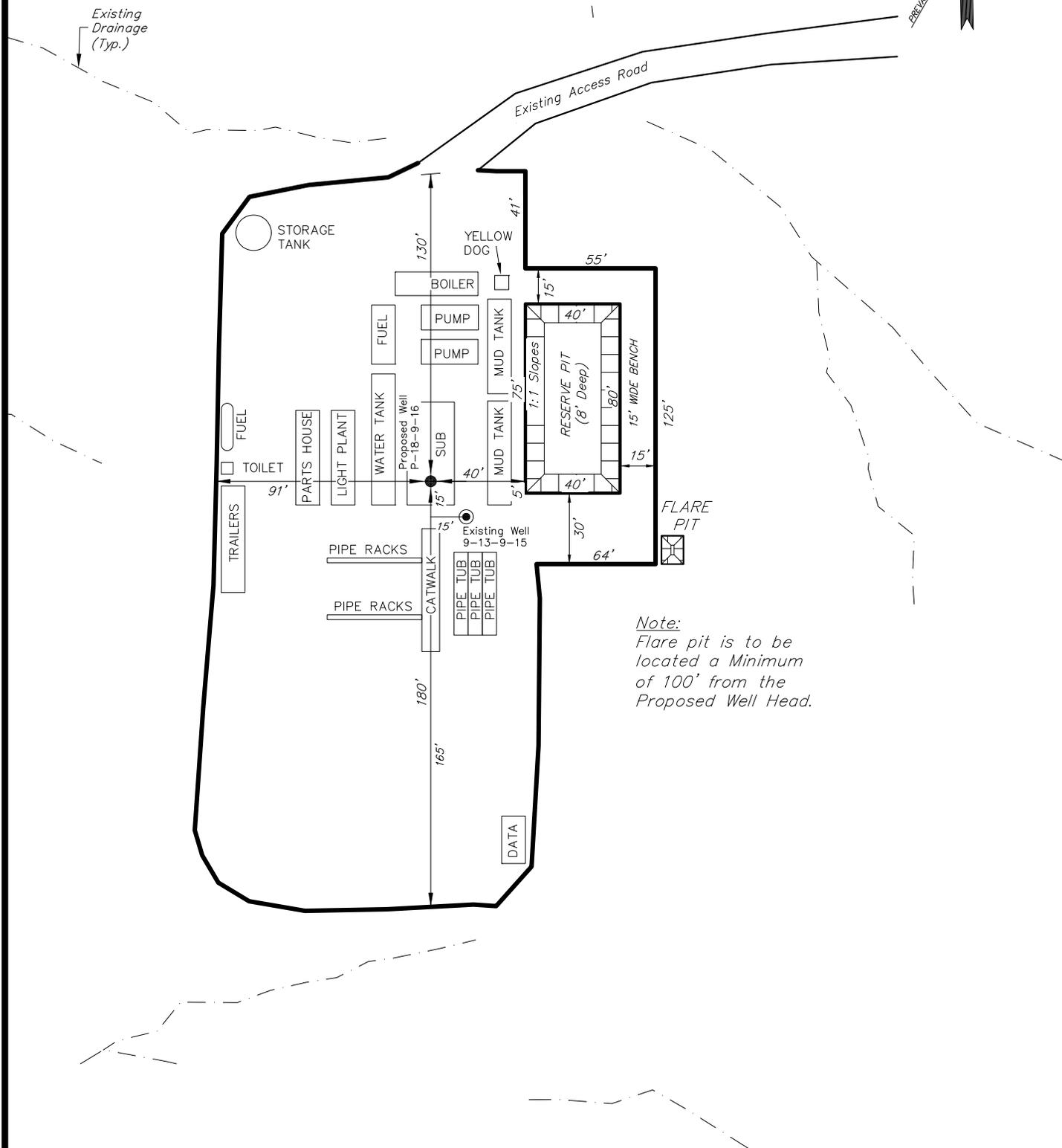
# NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

EXISTING 9-13-9-15 PAD

PROPOSED WELL: P-18-9-16

Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.



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

SURVEYED BY: M.C.	DATE SURVEYED: 07-25-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: 1" = 60'	REVISED:	

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

RECEIVED: February 24, 2014

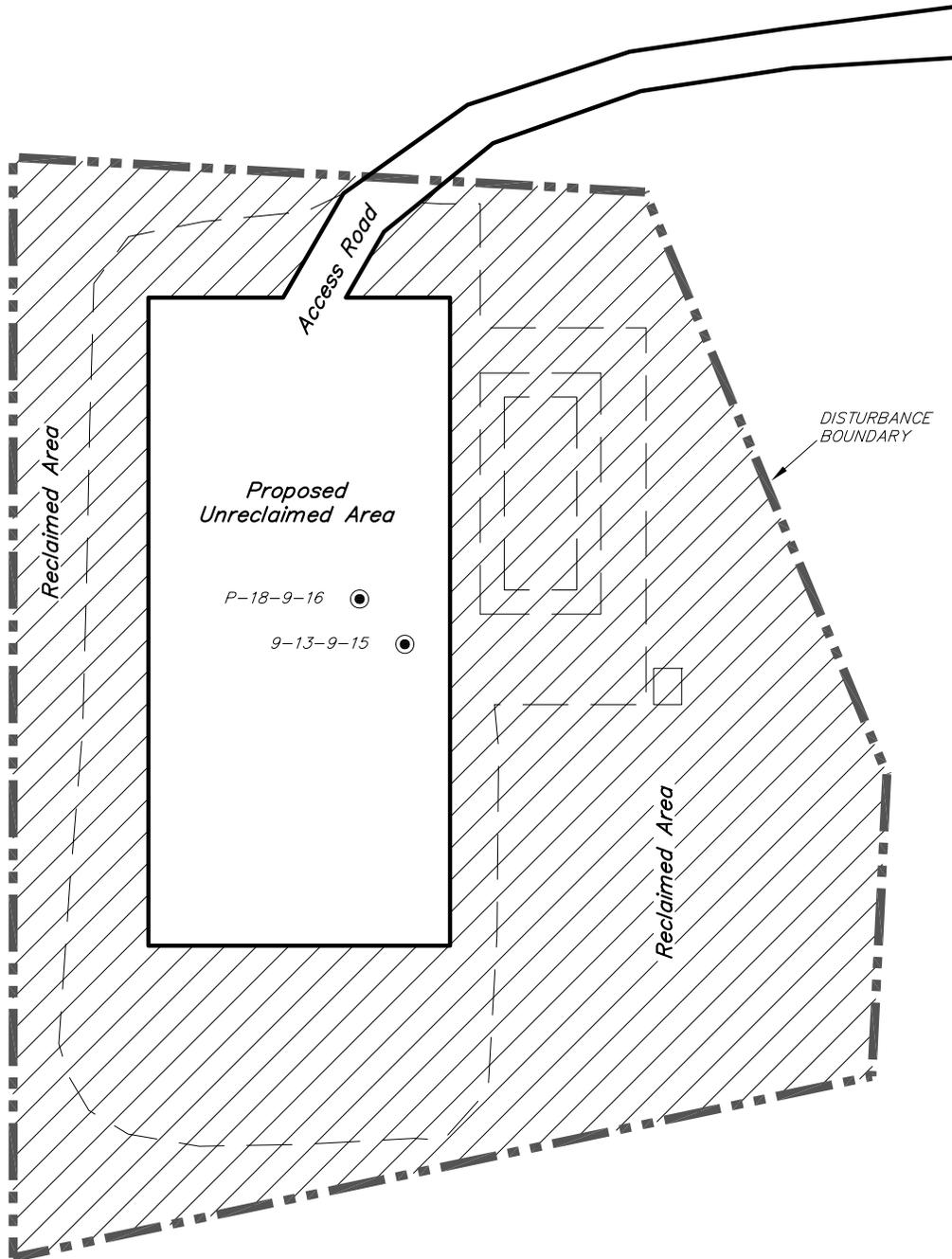
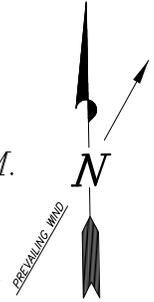
# NEWFIELD EXPLORATION COMPANY

## RECLAMATION LAYOUT

EXISTING 9-13-9-15 PAD

PROPOSED WELL: P-18-9-16

Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.



Notes:

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = ± 1.99 ACRES  
 TOTAL RECLAIMED AREA = ± 1.48 ACRES  
 UNRECLAIMED AREA = ± 0.51 ACRES

SURVEYED BY: M.C.	DATE SURVEYED: 07-25-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: 1" = 60'	REVISED:	

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

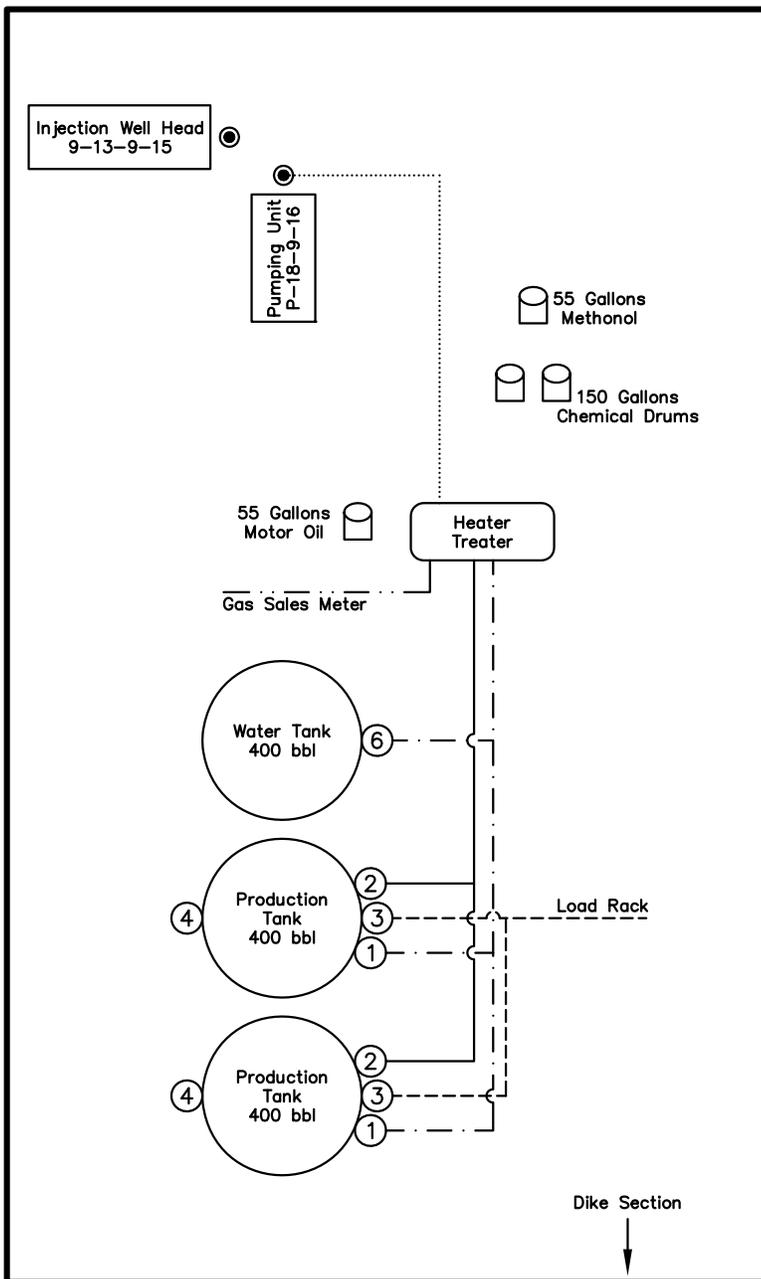
# NEWFIELD EXPLORATION COMPANY

## PROPOSED SITE FACILITY DIAGRAM

**9-13-9-15 PAD**

**P-18-9-16 UTU-66184**

*Pad Location: NESE Section 13, T9S, R15E, S.L.B.&M.  
Duchesne County, Utah*



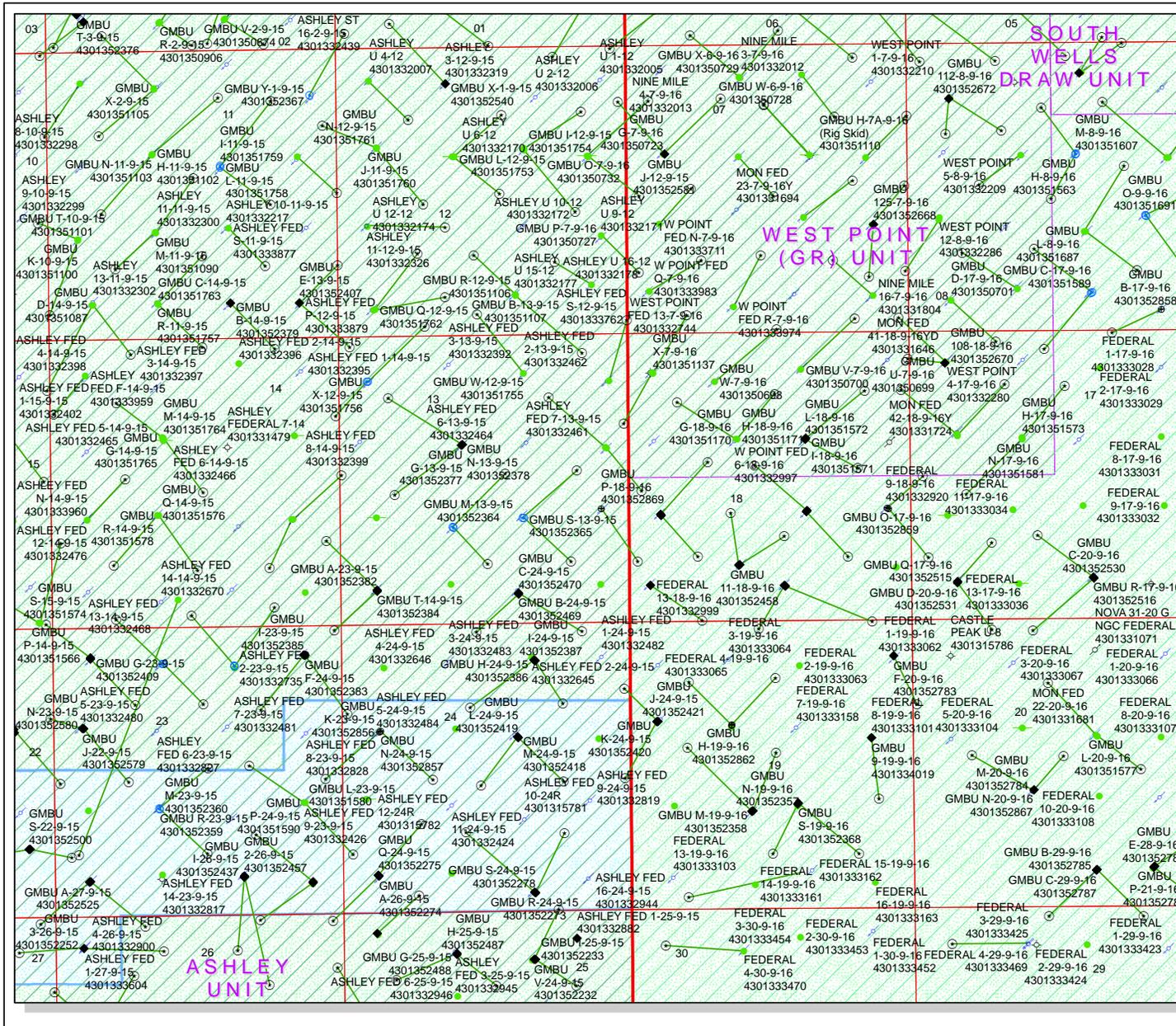
***Legend***

Emulsion Line	.....
Load Rack	-----
Water Line	.....
Gas Sales	.....
Oil Line	.....

NOT TO SCALE

SURVEYED BY: M.C.	DATE SURVEYED: 07-25-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 10-23-13	V1
SCALE: NONE	REVISED:	

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



API Number: 4301352869

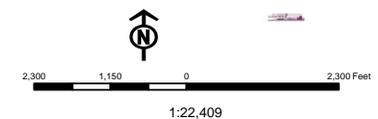
Well Name: GMBU P-18-9-16

Township: T09.0S Range: R15.0E Section: 13 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 2/27/2014  
Map Produced by Diana Mason

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



**NEWFIELD**



*VIA ELECTRONIC DELIVERY*

February 26, 2014

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

**Newfield Exploration Company**

1001 17th Street | Suite 2000  
Denver, Colorado 80202  
PH 303-893-0102 | FAX 303-893-0103

RE: Directional Drilling  
**GMBU P-18-9-16**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 13: NESE (UTU-66184)  
2088' FSL 506' FEL

At Target: T9S-R16E Section 18: Lot 4 (SWSW) (UTU-64379)  
1111' FSL 157' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 2/24/14, 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 303-323-9770 or by email at [ldein@newfield.com](mailto:ldein@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in black ink, appearing to read "Levi Dein".

Levi Dein  
Landman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU66184
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD EXPLORATION		7. If Unit or CA Agreement, Name and No. GMBU
Contact: HEATHER CALDER E-Mail: hcalder@newfield.com		8. Lease Name and Well No. GMBU P-18-9-16
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-4936	9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 2088FSL 506FEL At proposed prod. zone SWSW Lot 4 1111FSL 157FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 14.4 MILES SOUTH OF MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 13 T9S R15E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 157'	16. No. of Acres in Lease 1361.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 644'	19. Proposed Depth 6173 MD 6040 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6111 GL	22. Approximate date work will start 04/01/2014	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:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 02/24/2014
Title PRODUCTION TECHNICIAN		
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 #236477 verified by the BLM Well Information System  
For NEWFIELD EXPLORATION, sent to the Vernal**

API Well Number: 43013528690000

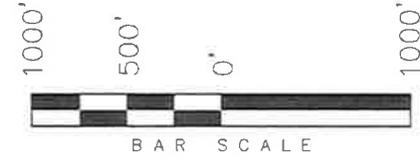
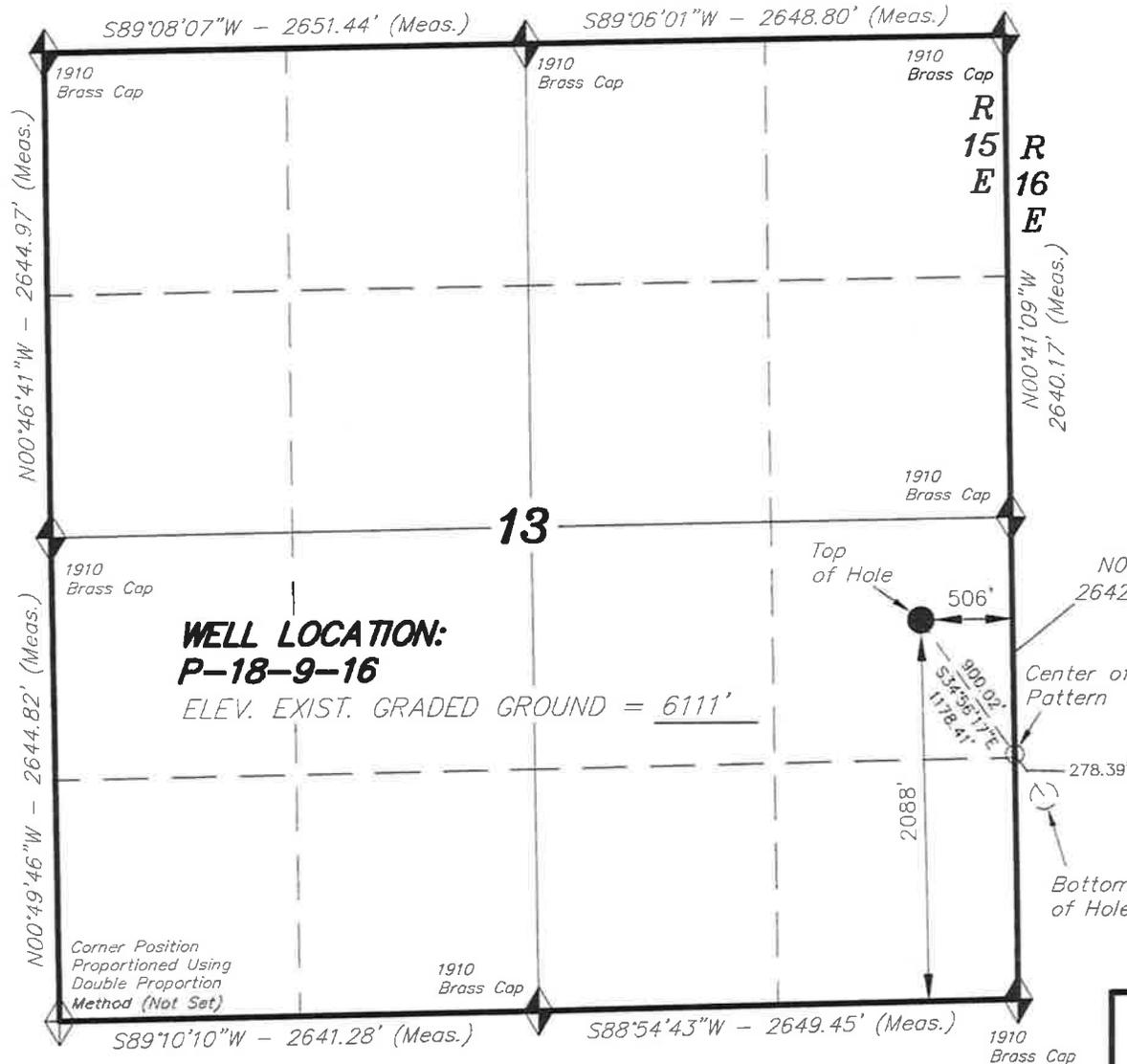
**Additional Operator Remarks:**

SURFACE HOLE LEASE:UTU-66184  
BOTTOM HOLE LEASE:UTU-64379

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

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, P-18-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4  
 SE 1/4 OF SECTION 13, T9S, R15E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



**WELL LOCATION:  
 P-18-9-16**  
 ELEV. EXIST. GRADED GROUND = 6111'

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



◆ = SECTION CORNERS LOCATED

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

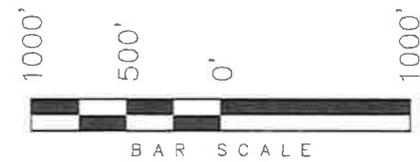
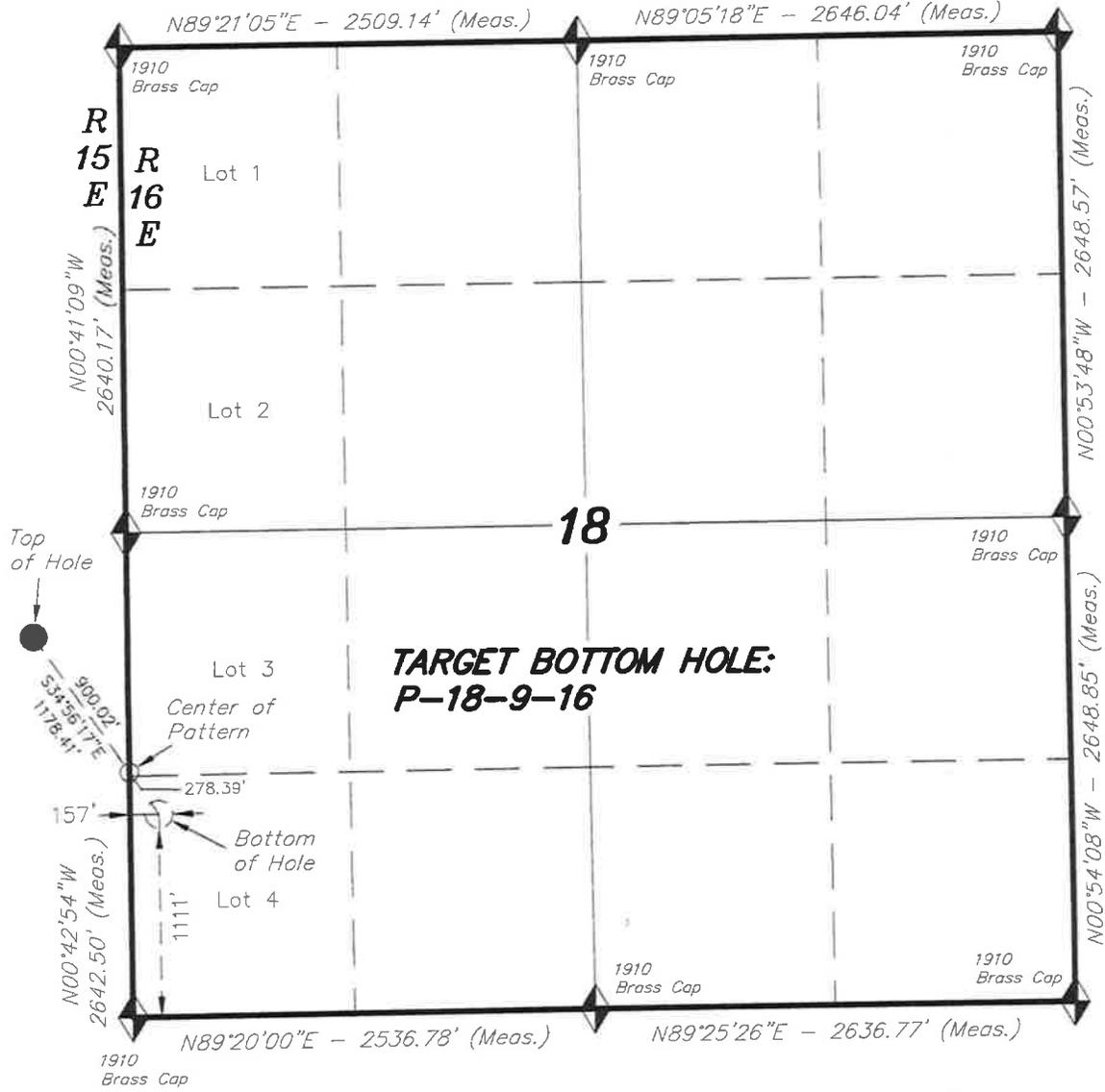
<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°01'45.89"
LONGITUDE = 110°10'22.36"
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°01'46.03"
LONGITUDE = 110°10'19.81"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>		
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501		
DATE SURVEYED: 07-25-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 10-23-13	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

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

## NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, P-18-9-16, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 (LOT 4) OF SECTION 18, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

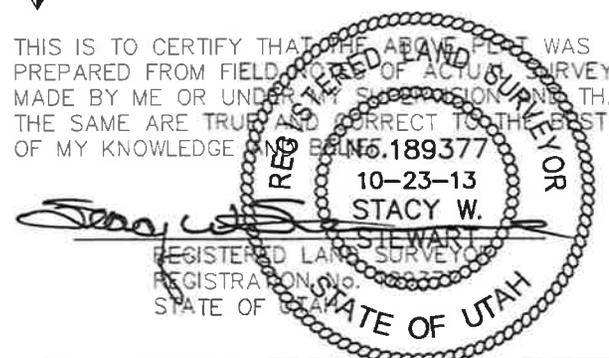


- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings are based on Global Positioning Satellite observations.
  3. The Center of Pattern footages are 1341' FSL & 0' FWL.



◆ = SECTION CORNERS LOCATED

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.

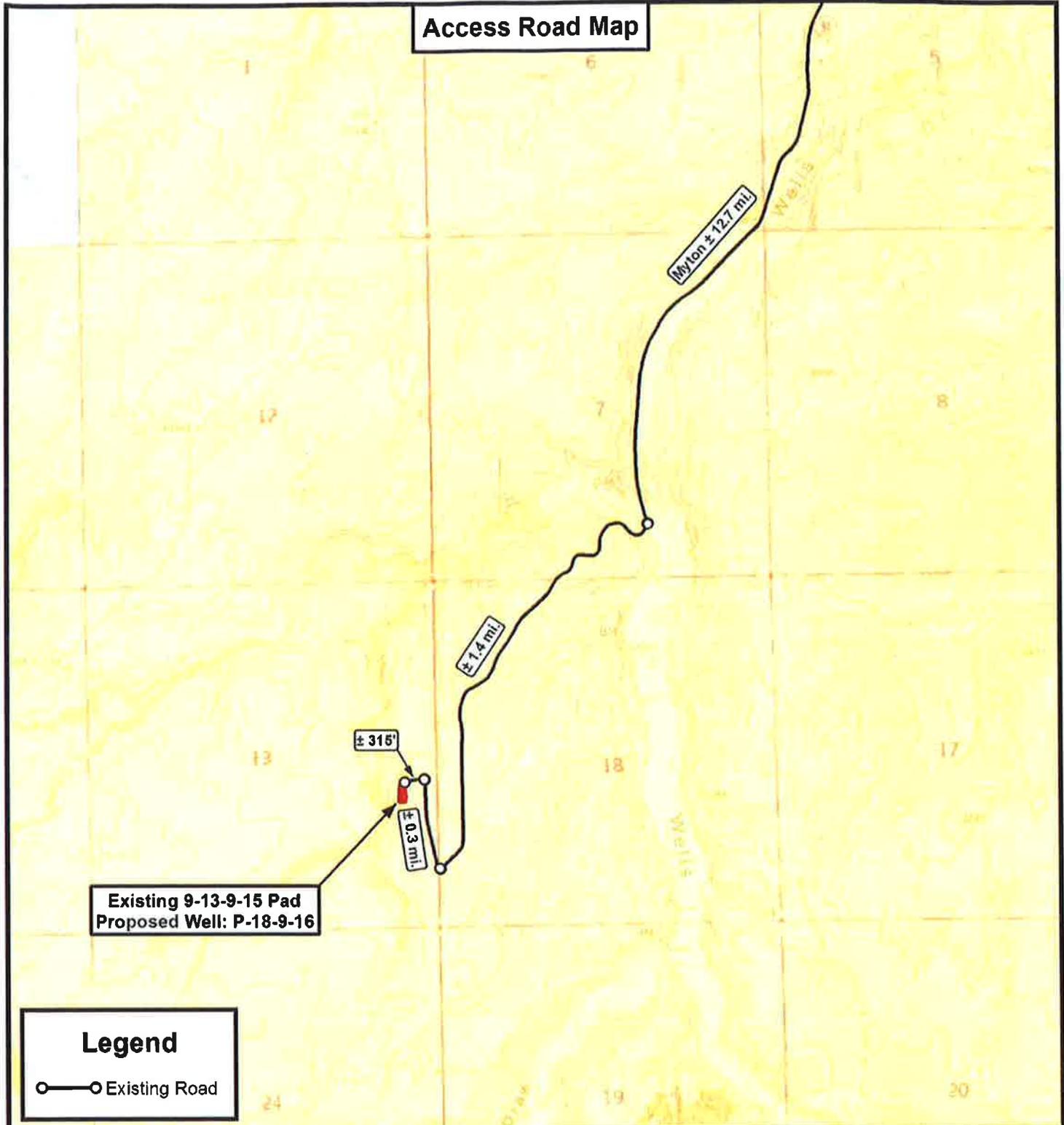


BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'38.53"	LATITUDE = 40°01'36.25"
LONGITUDE = 110°10'15.88"	LONGITUDE = 110°10'13.87"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'38.67"	LATITUDE = 40°01'36.39"
LONGITUDE = 110°10'13.33"	LONGITUDE = 110°10'11.32"

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

DATE SURVEYED: 07-25-12	SURVEYED BY: M.C.	VERSION:
DATE DRAWN: 10-23-13	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	



Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16

**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**

Existing 9-13-9-15 Pad  
Proposed Well: P-18-9-16  
Sec. 13, T9S, R15E, S.L.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	10-25-2013		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
440 West 200 South, Suite 500  
Salt Lake City, UT 84101

IN REPLY REFER TO:  
3160  
(UT-922)

March 3, 2014

Memorandum

To: Assistant Field Office Manager Minerals,  
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2014 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2014 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ GREEN RIVER)

43-013-52856	GMBU K-23-9-15	Sec 24 T09S R15E 1960 FNL 0683 FWL
		BHL Sec 23 T09S R15E 2470 FSL 0317 FEL
43-013-52857	GMBU N-24-9-15	Sec 24 T09S R15E 1949 FNL 0701 FWL
		BHL Sec 24 T09S R15E 2424 FSL 1654 FWL
43-013-52858	GMBU B-17-9-16	Sec 08 T09S R16E 0393 FSL 0647 FEL
		BHL Sec 17 T09S R16E 0032 FNL 1557 FEL
43-013-52859	GMBU O-17-9-16	Sec 18 T09S R16E 2051 FSL 0440 FEL
		BHL Sec 17 T09S R16E 2628 FSL 0219 FWL
43-013-52860	GMBU P-17-9-16	Sec 18 T09S R16E 2047 FSL 0419 FEL
		BHL Sec 17 T09S R16E 1137 FSL 0298 FWL
43-013-52861	GMBU G-19-9-16	Sec 19 T09S R16E 1911 FNL 1854 FWL
		BHL Sec 19 T09S R16E 1117 FNL 1069 FWL

API #	WELL NAME	LOCATION									
(Proposed PZ GREEN RIVER)											
43-013-52865	GMBU I-22-9-16	Sec 22	T09S	R16E	2013	FNL	1823	FEL			
		BHL	Sec 22	T09S	R16E	1005	FNL	1175	FEL		
43-013-52866	GMBU L-22-9-16	Sec 22	T09S	R16E	1996	FNL	1810	FEL			
		BHL	Sec 22	T09S	R16E	2430	FSL	1144	FEL		
43-013-52867	GMBU N-20-9-16	Sec 20	T09S	R16E	2149	FSL	2167	FWL			
		BHL	Sec 20	T09S	R16E	2485	FNL	1051	FWL		
43-013-52868	GMBU G-13-9-16	Sec 13	T09S	R16E	1974	FNL	0835	FWL			
		BHL	Sec 13	T09S	R16E	1059	FNL	1452	FWL		
43-013-52869	GMBU P-18-9-16	Sec 13	T09S	R15E	2088	FSL	0506	FEL			
		BHL	Sec 18	T09S	R16E	1111	FSL	0157	FWL		
43-047-54305	GMBU J-25-8-17	Sec 30	T08S	R18E	0522	FNL	0652	FWL			
		BHL	Sec 25	T08S	R17E	1550	FNL	0123	FEL		
43-047-54306	GMBU G-30-8-18	Sec 30	T08S	R18E	0502	FNL	0658	FWL			
		BHL	Sec 30	T08S	R18E	1520	FNL	1479	FWL		

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

API Well Number: 43013528690000

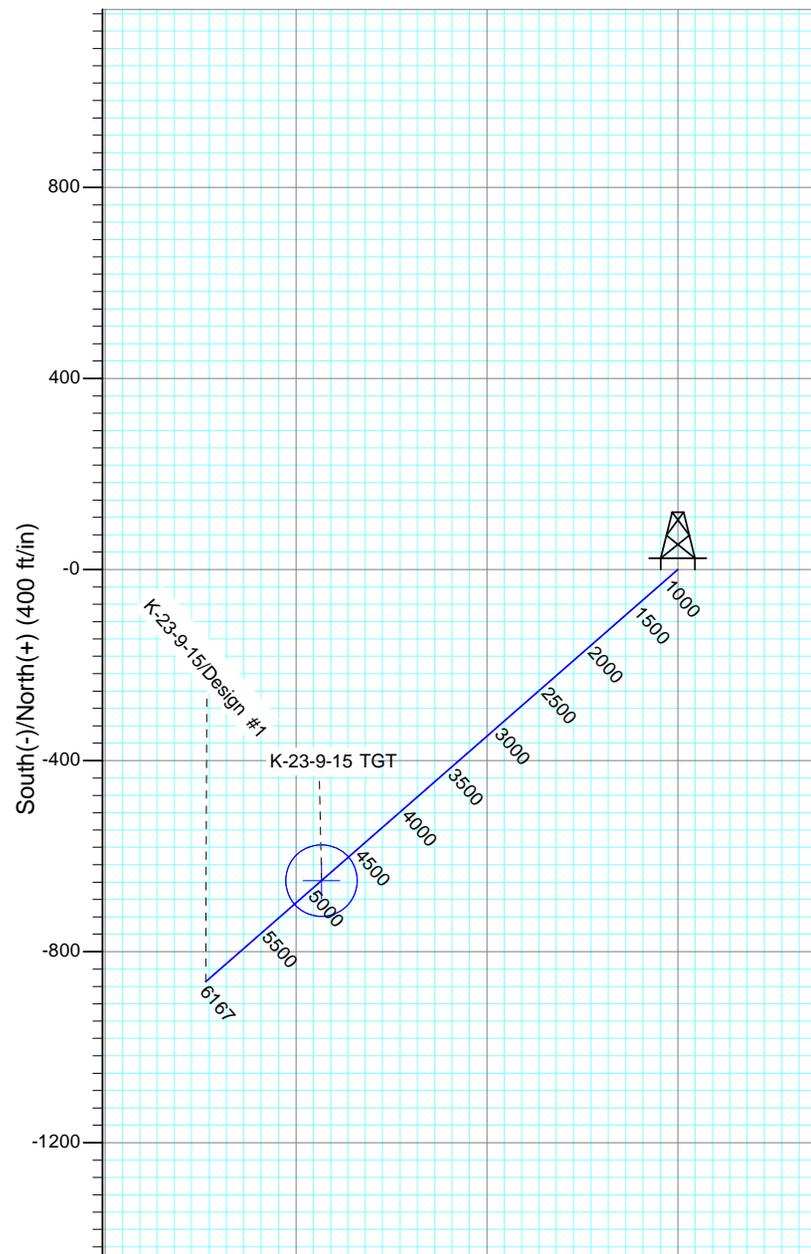
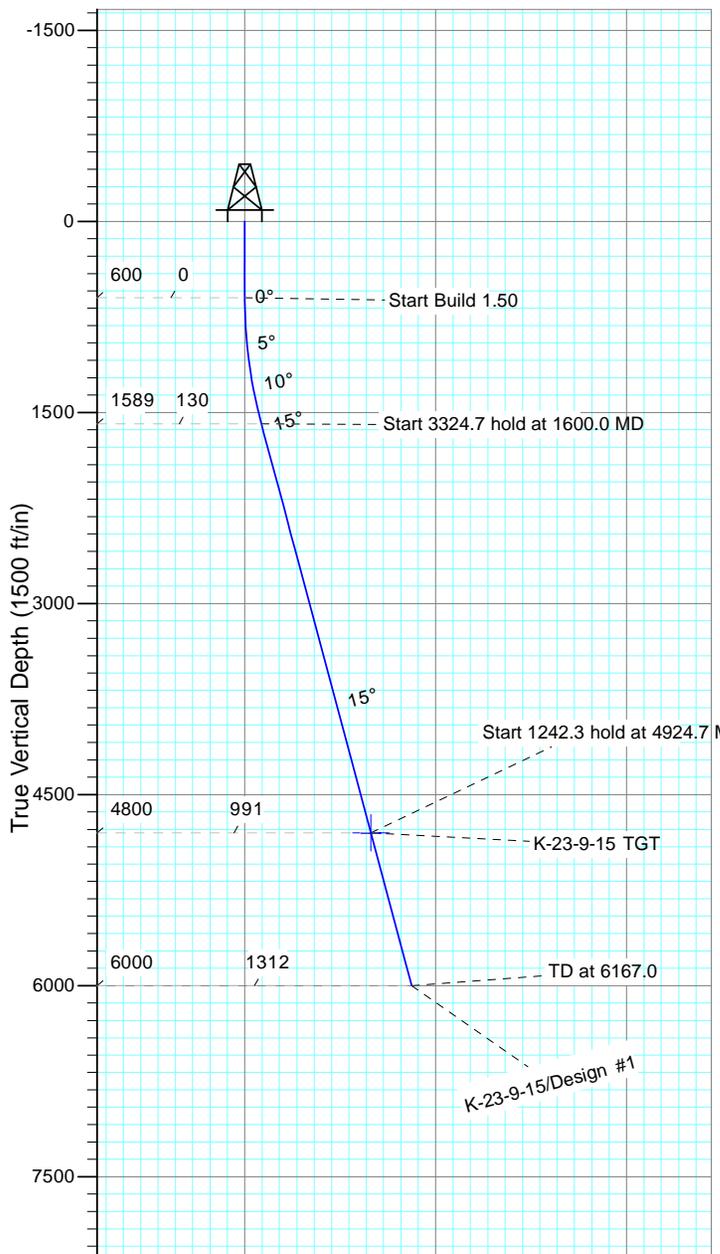


Project: USGS Myton SW (UT)  
Site: SECTION 24 T9S, R15E  
Well: K-23-9-15  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.06°

Magnetic Field  
Strength: 52000.4snT  
Dip Angle: 65.69°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000

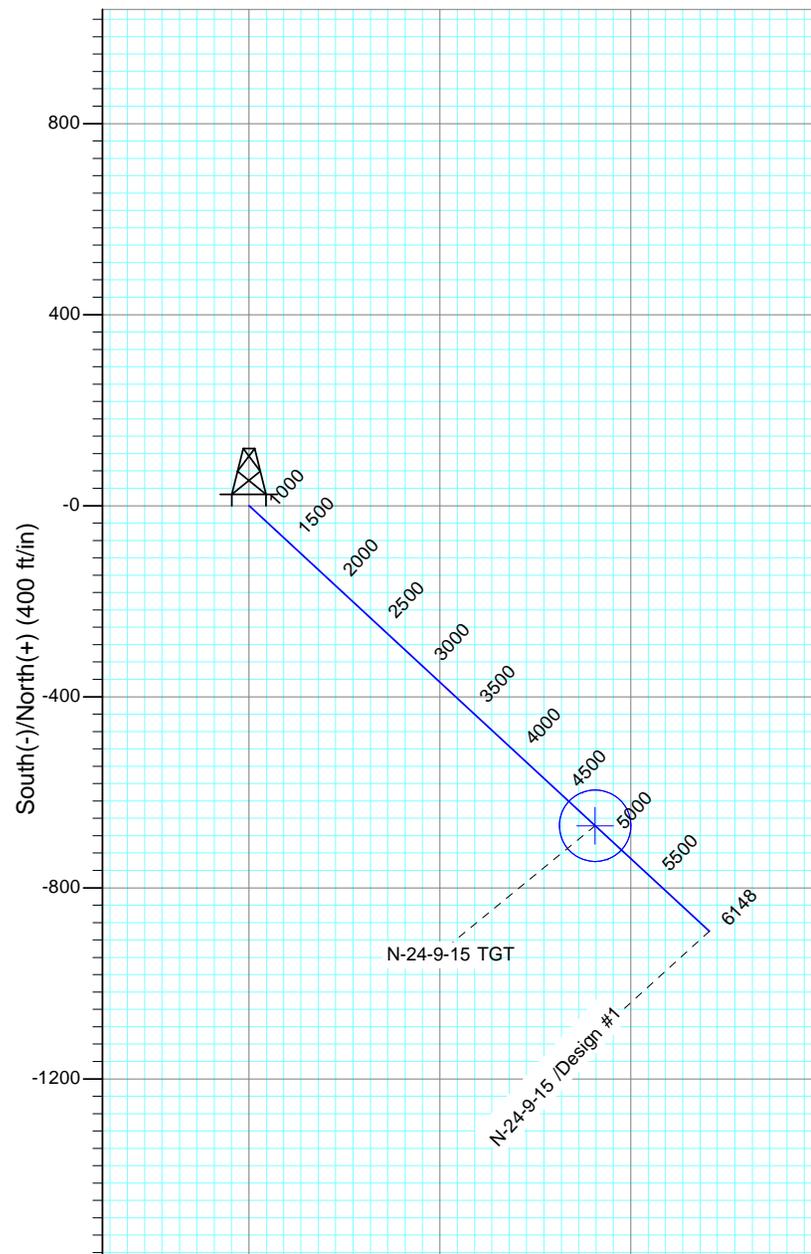
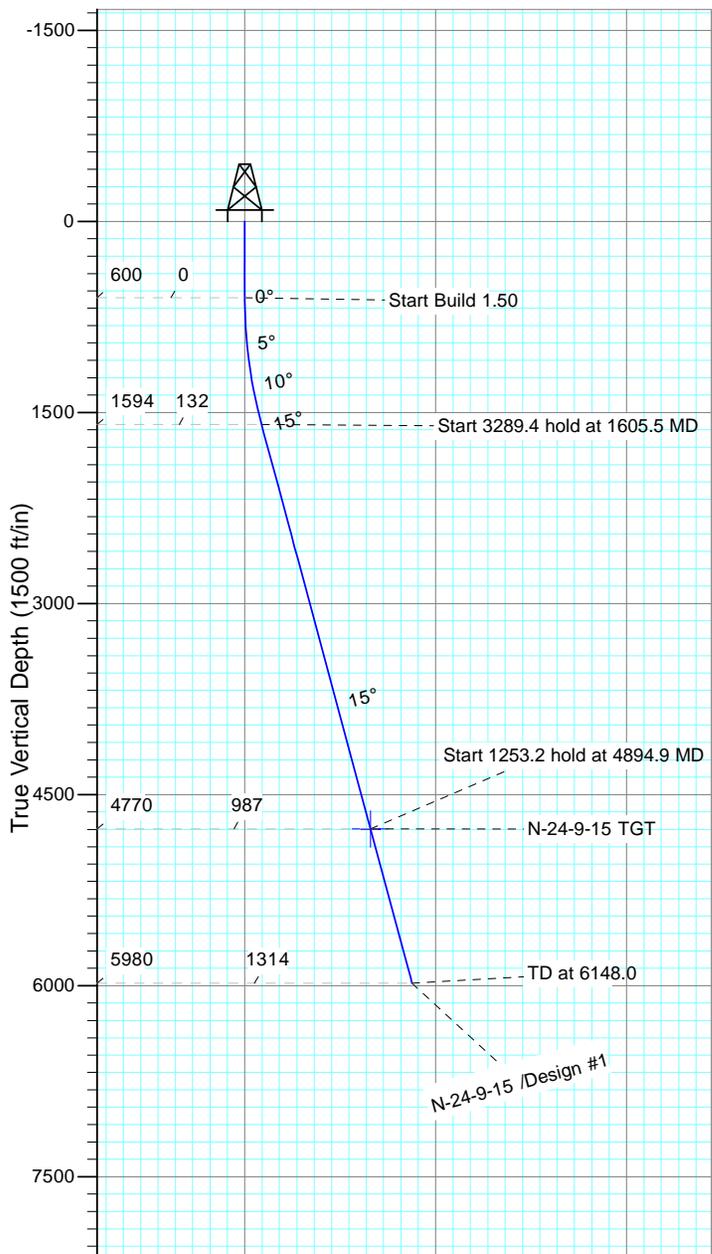


Project: USGS Myton SW (UT)  
Site: SECTION 24 T9S, R15E  
Well: N-24-9-15  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.06°

Magnetic Field  
Strength: 52000.4snT  
Dip Angle: 65.69°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000



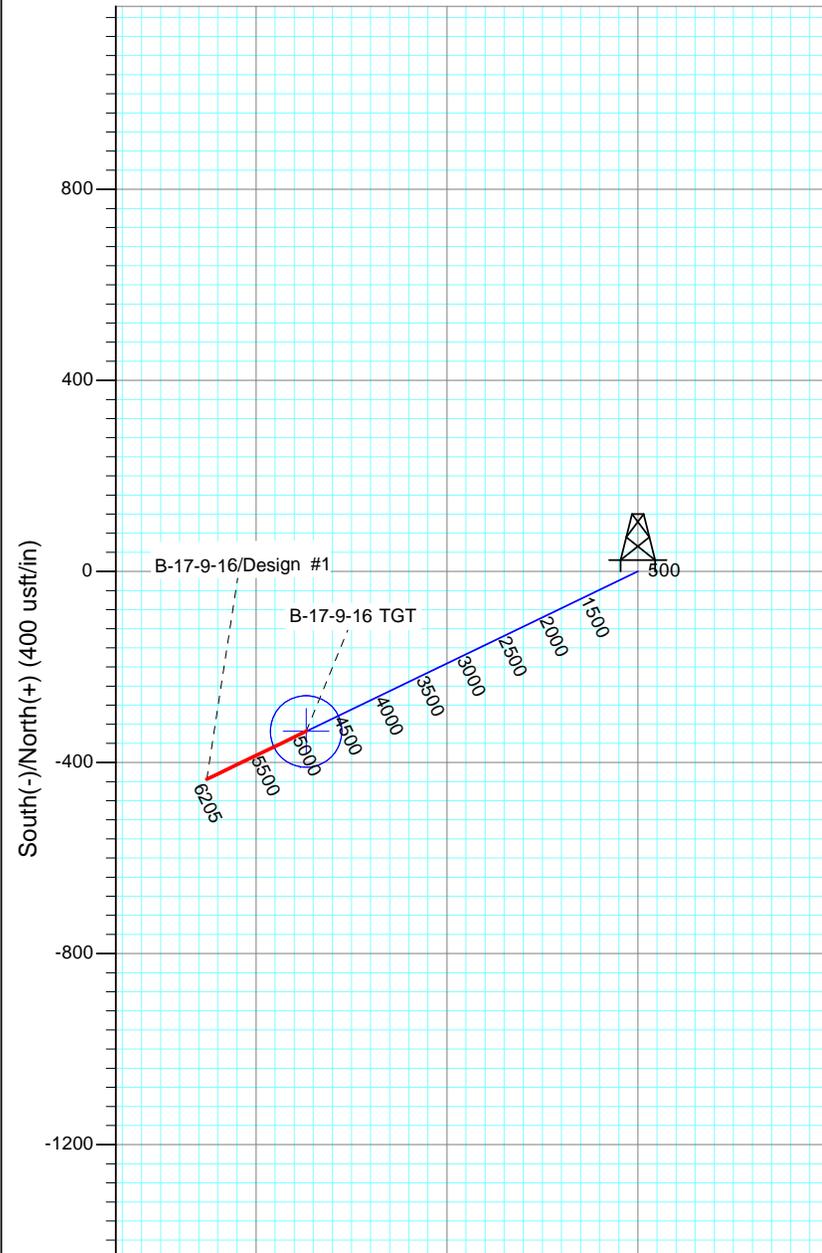
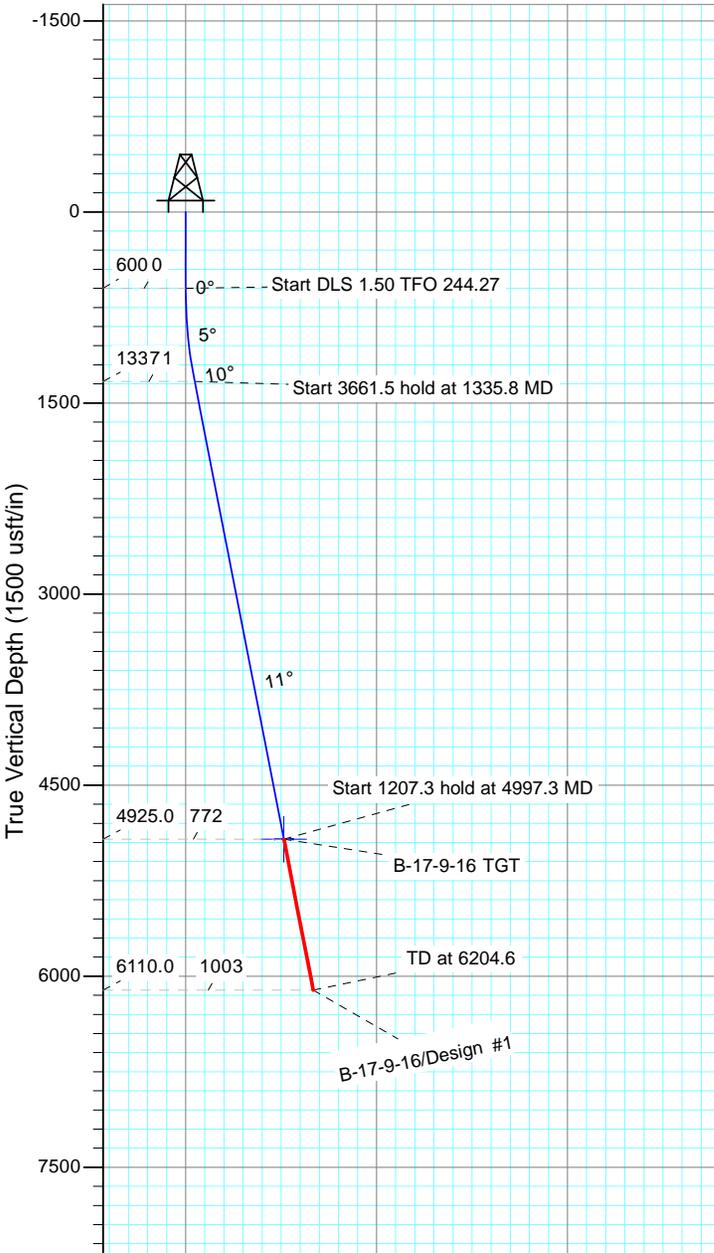
Project: USGS Myton SW (UT)  
Site: SECTION 8 T9S, R16E  
Well: B-17-9-16  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.00°

Magnetic Field  
Strength: 51991.2snT  
Dip Angle: 65.71°  
Date: 2/12/2014  
Model: IGRF2010

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



API Well Number: 43013528690000

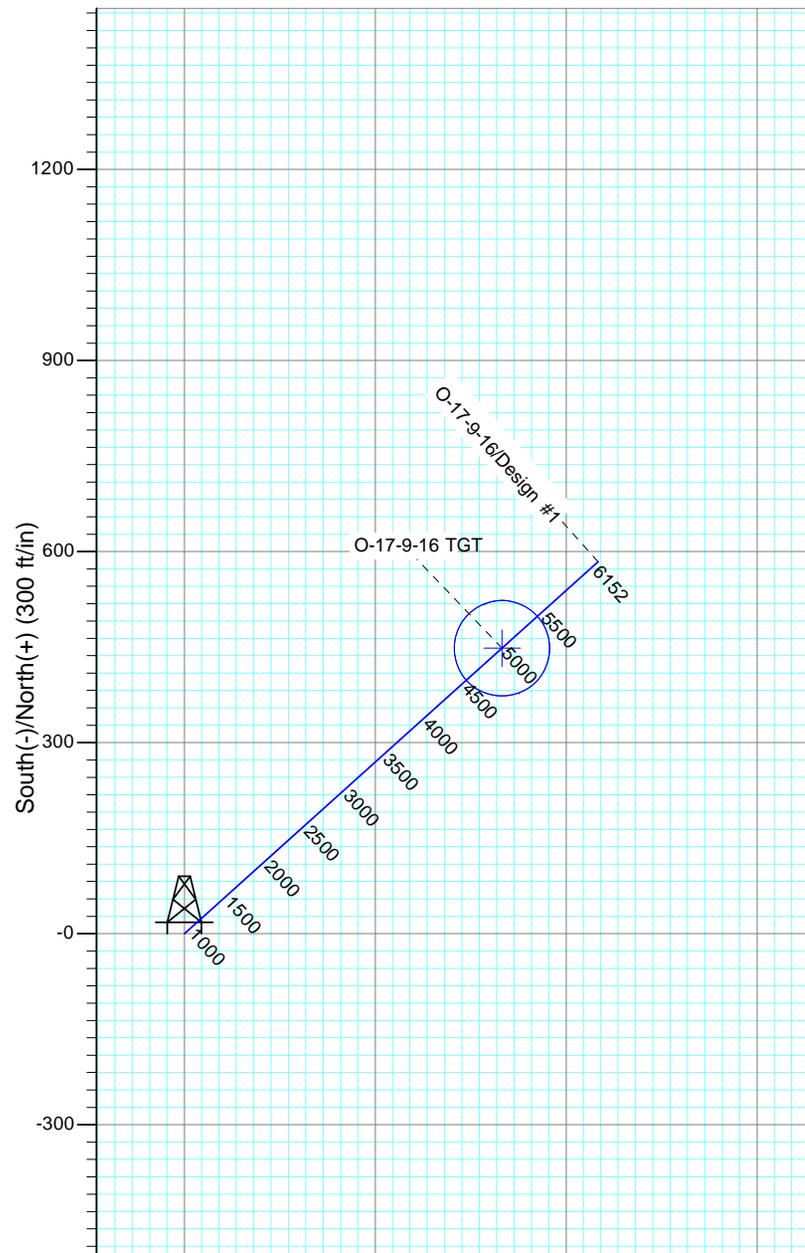
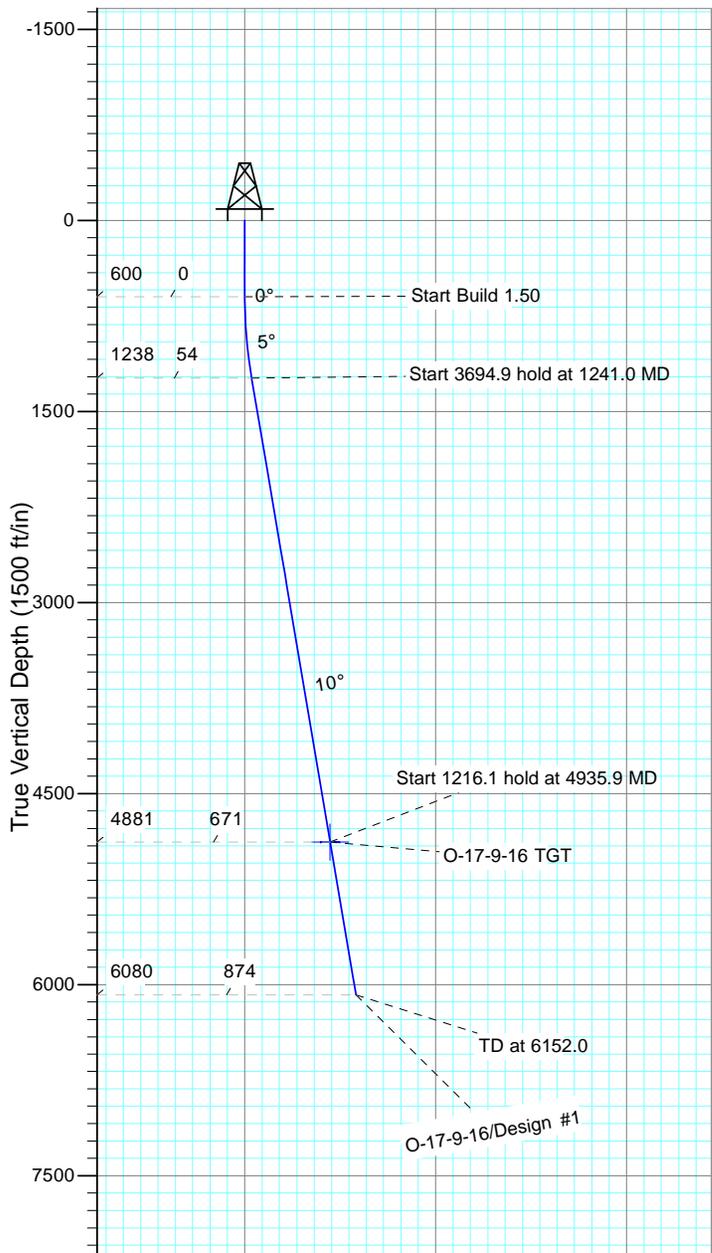


Project: USGS Myton SW (UT)  
Site: SECTION 18 T9, R16  
Well: O-17-9-16  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 11.05°

Magnetic Field  
Strength: 52015.9snT  
Dip Angle: 65.71°  
Date: 10/8/2013  
Model: IGRF2010



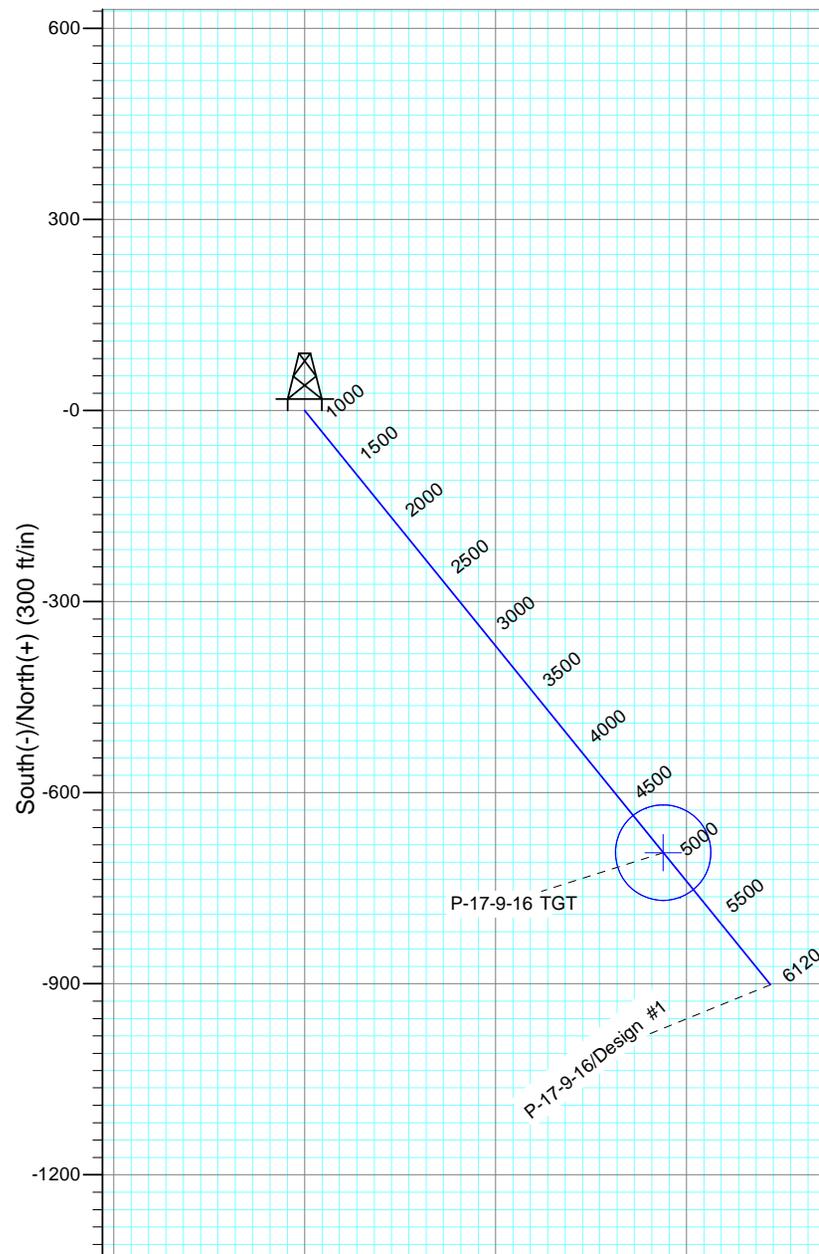
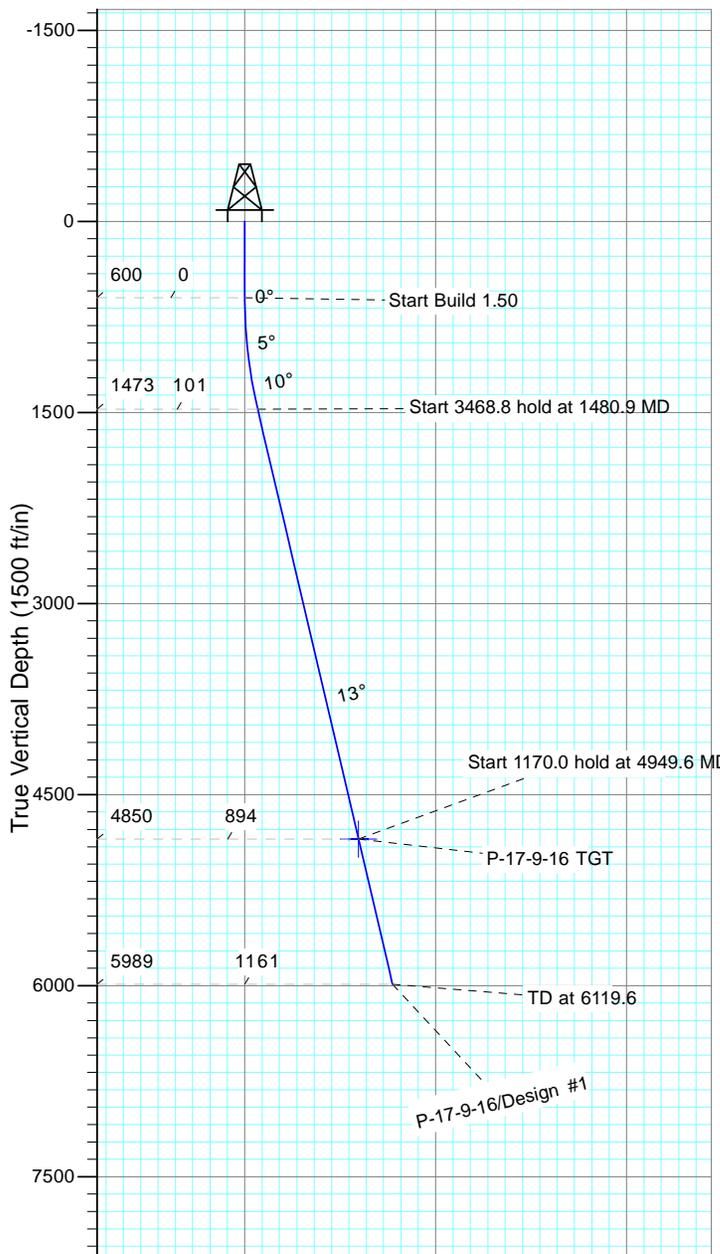


Project: USGS Myton SW (UT)  
 Site: SECTION 18 T9, R16  
 Well: P-17-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.05°

Magnetic Field  
 Strength: 52015.9snT  
 Dip Angle: 65.71°  
 Date: 10/8/2013  
 Model: IGRF2010



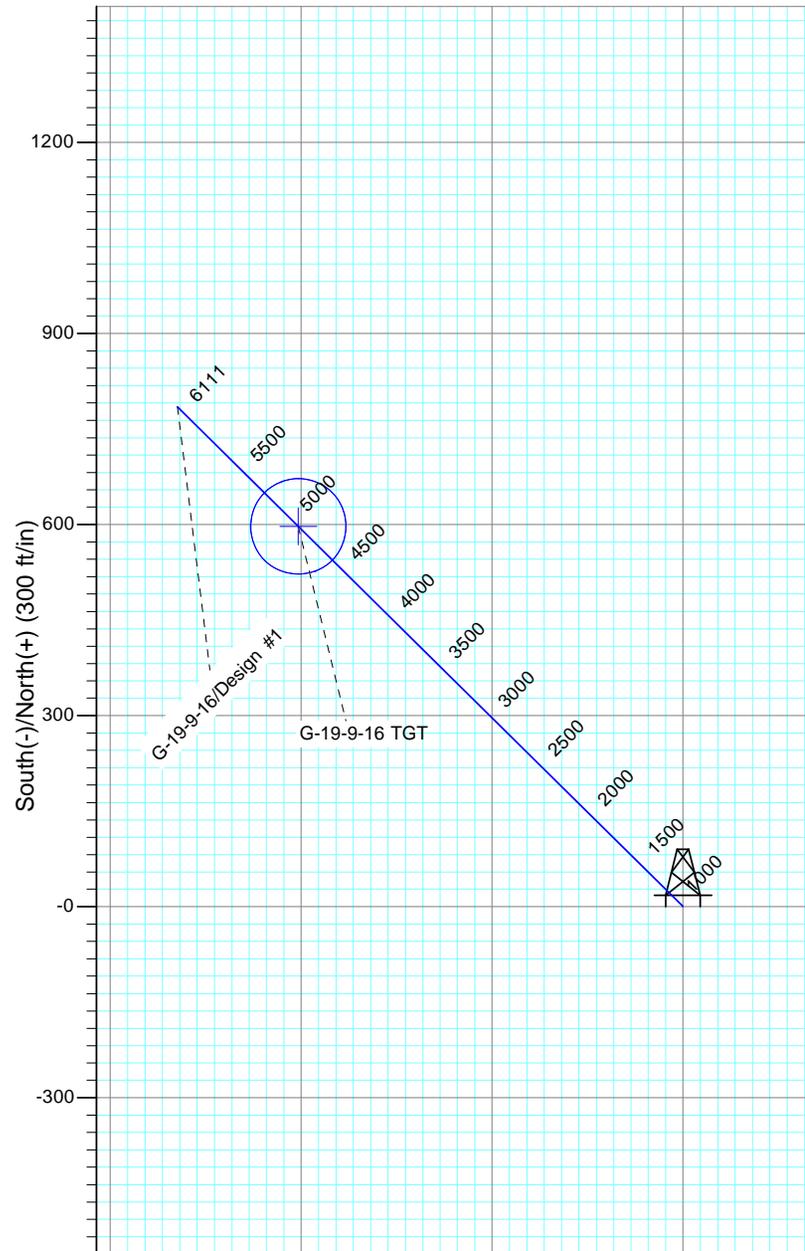
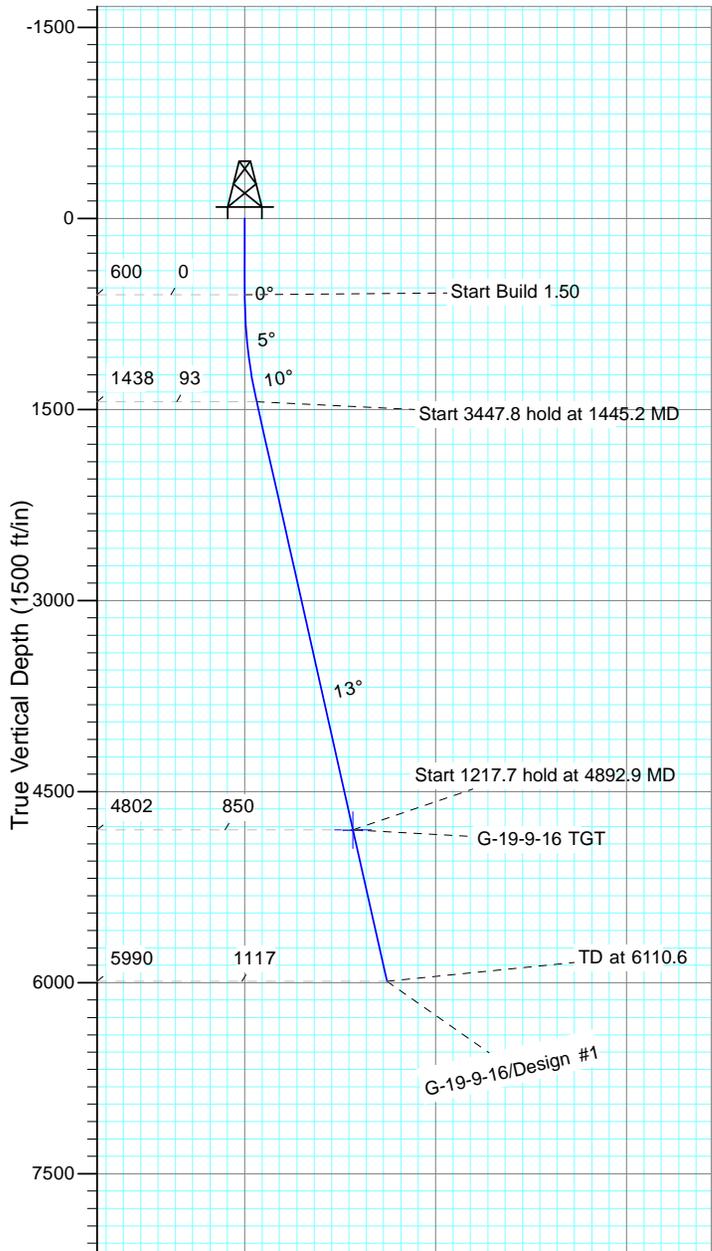


Project: USGS Myton SW (UT)  
 Site: SECTION 19 T9S, R16E  
 Well: G-19-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.06°

Magnetic Field  
 Strength: 52011.5snT  
 Dip Angle: 65.70°  
 Date: 9/30/2013  
 Model: IGRF2010



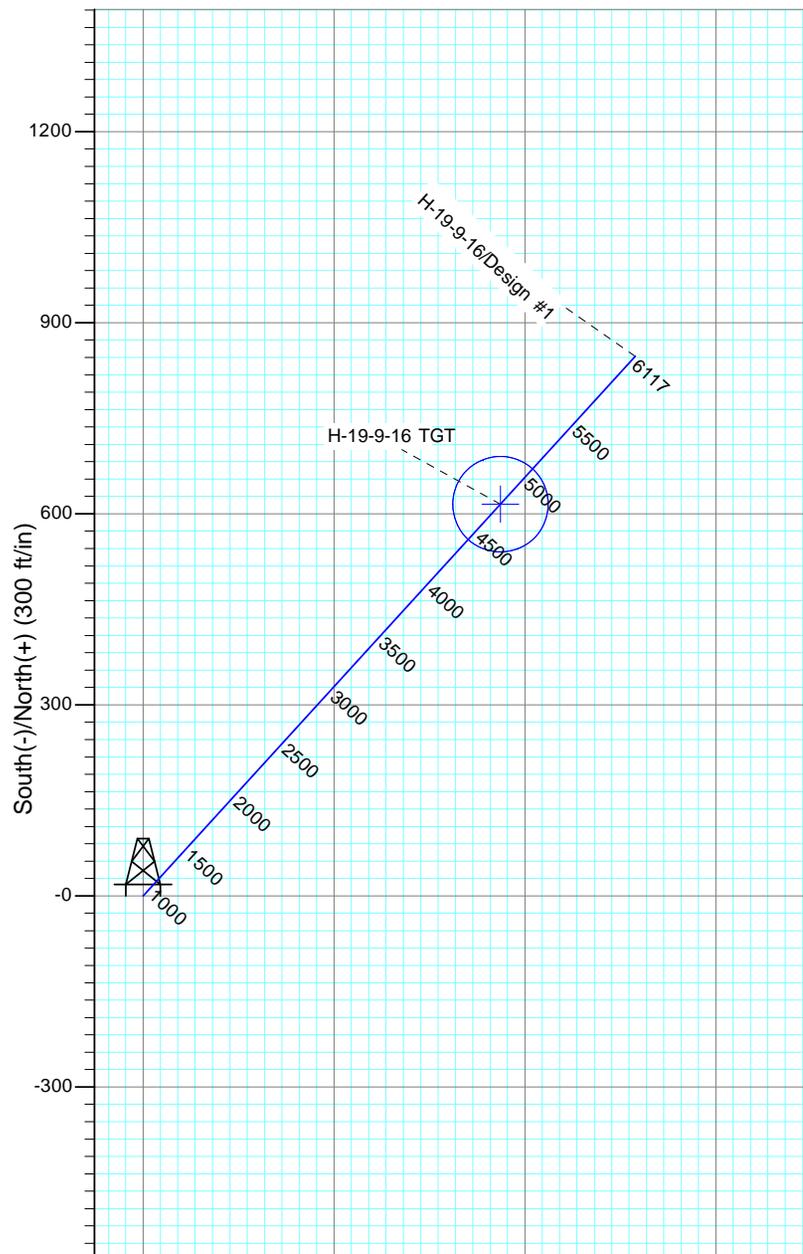
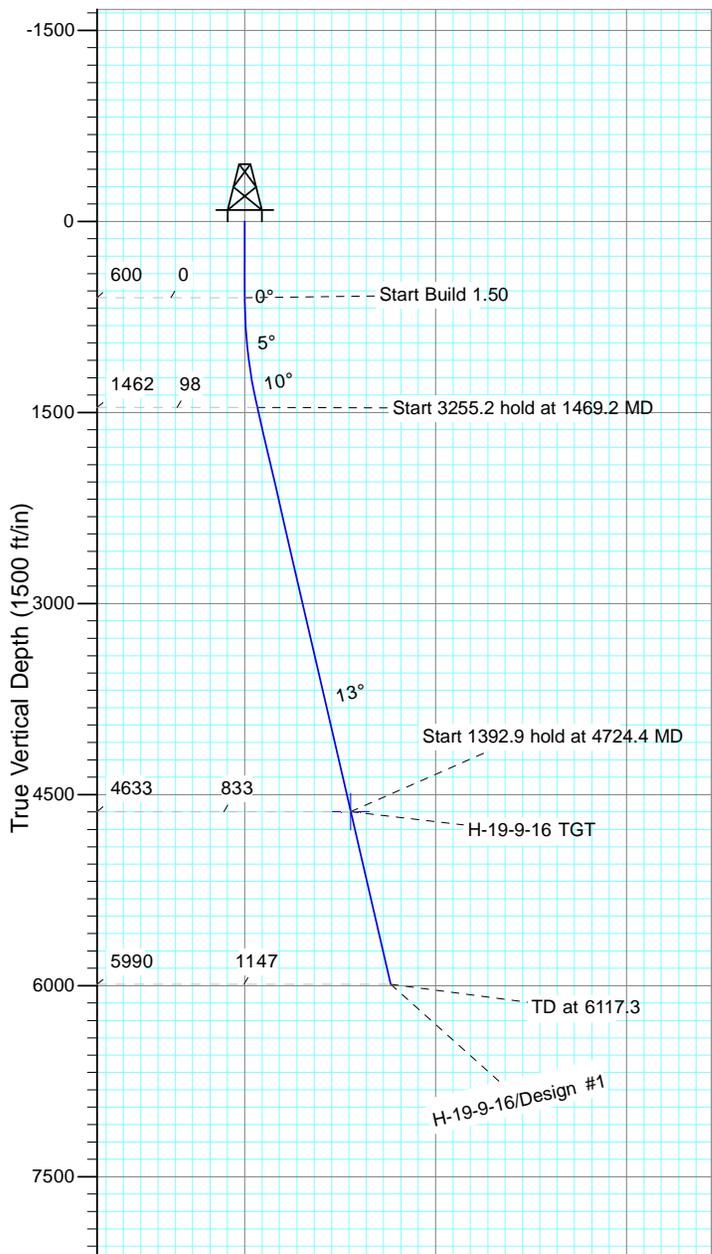


Project: USGS Myton SW (UT)  
 Site: SECTION 19 T9S, R16E  
 Well: H-19-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.06°

Magnetic Field  
 Strength: 52011.5snT  
 Dip Angle: 65.70°  
 Date: 9/30/2013  
 Model: IGRF2010



API Well Number: 43013528690000

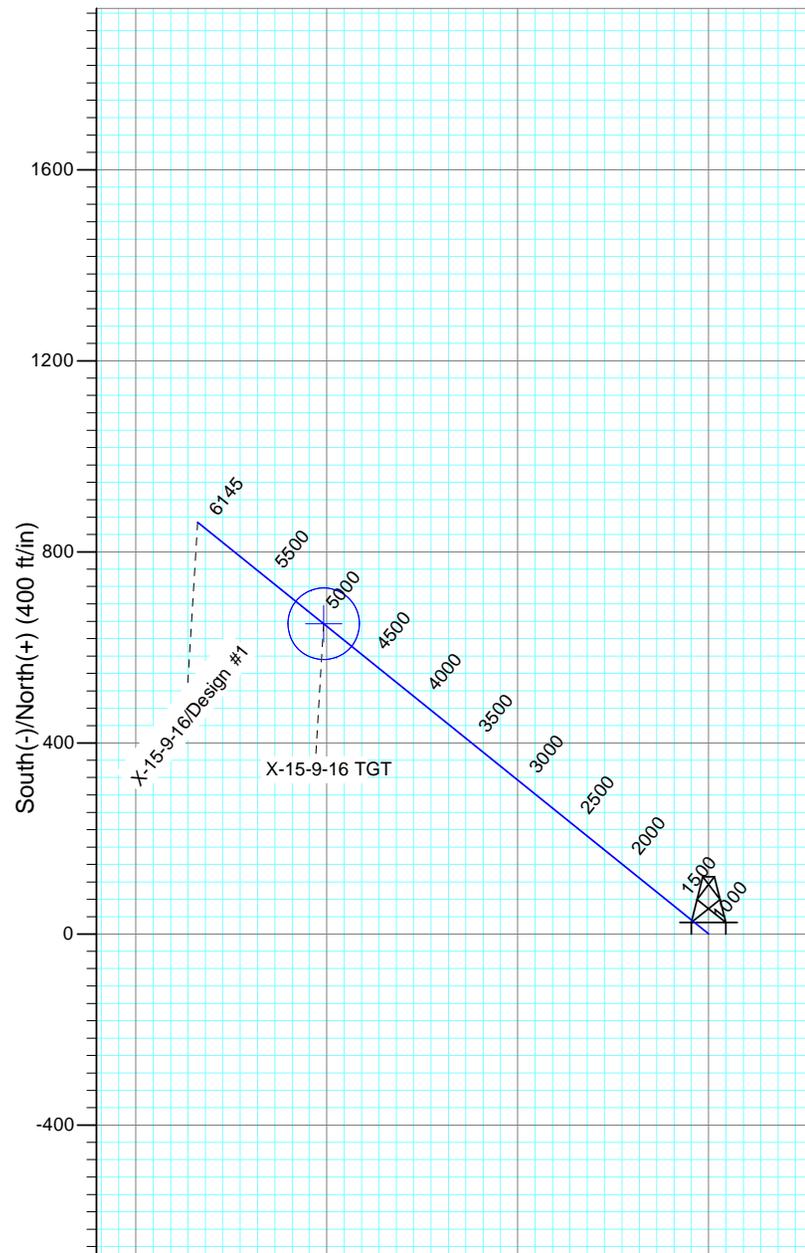
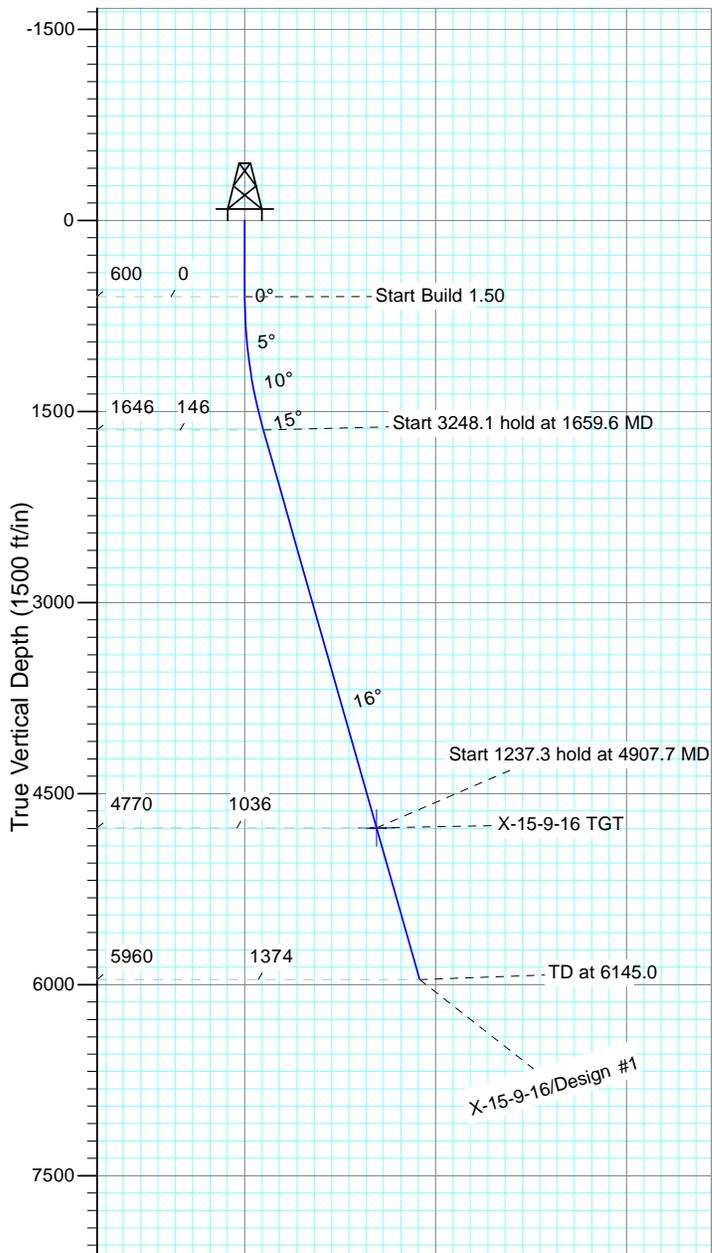


Project: USGS Myton SW (UT)  
Site: SECTION 15 T9S, R16E  
Well: X-15-9-16  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.03°

Magnetic Field  
Strength: 52019.8snT  
Dip Angle: 65.71°  
Date: 10/9/2013  
Model: IGRF2010



API Well Number: 43013528690000

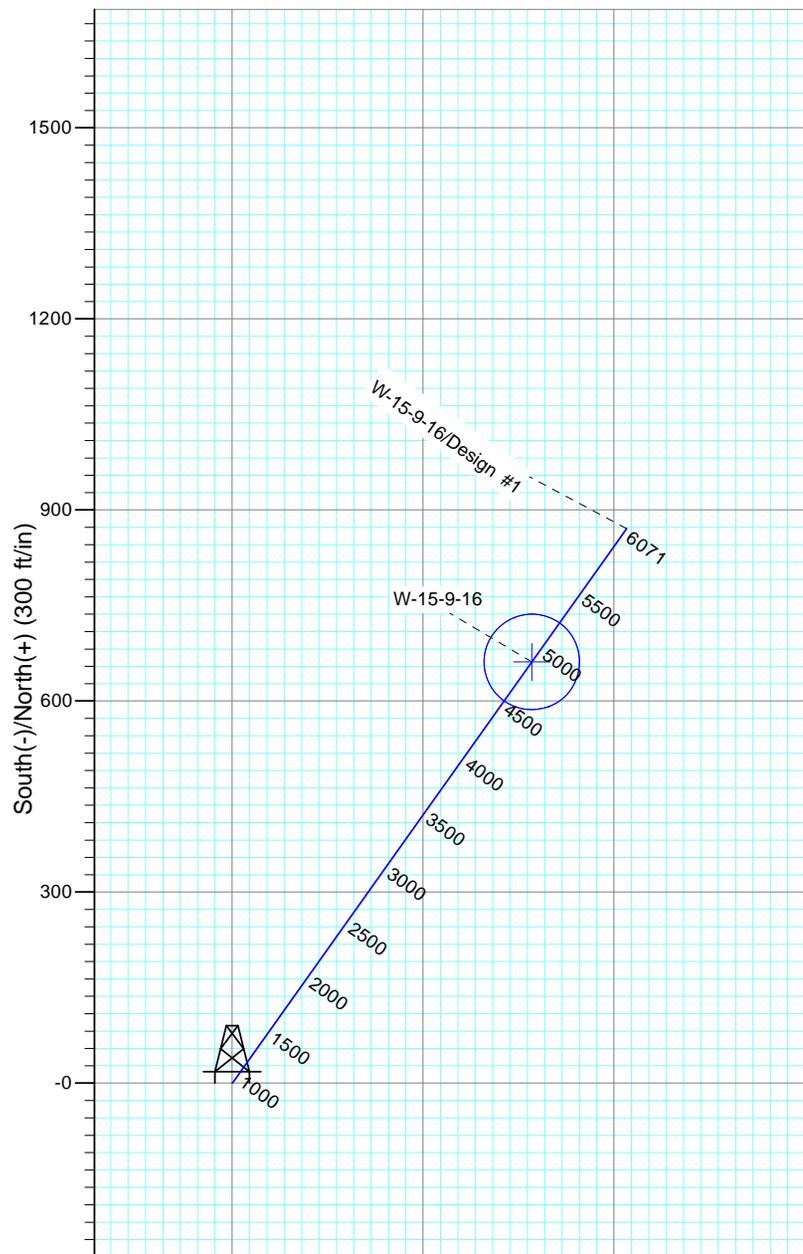
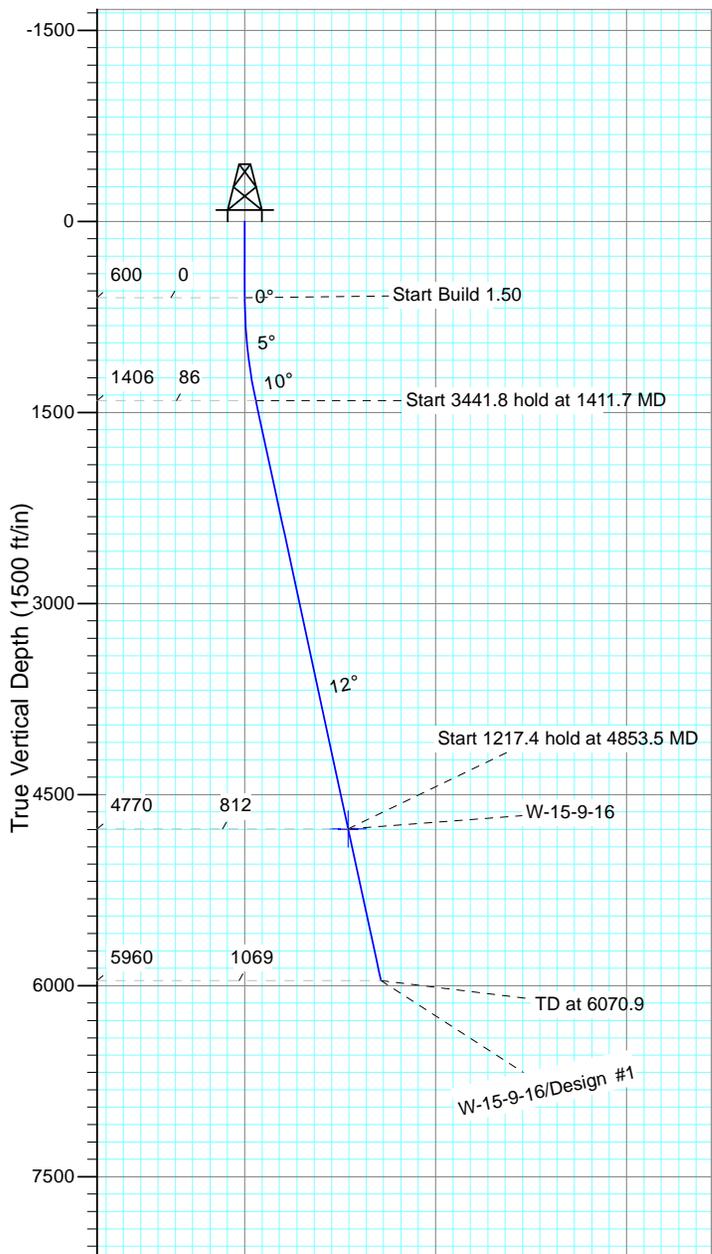


Project: USGS Myton SW (UT)  
Site: SECTION 22 T9, R16  
Well: W-15-9-16  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 11.03°

Magnetic Field  
Strength: 52019.8snT  
Dip Angle: 65.71°  
Date: 10/9/2013  
Model: IGRF2010



API Well Number: 43013528690000

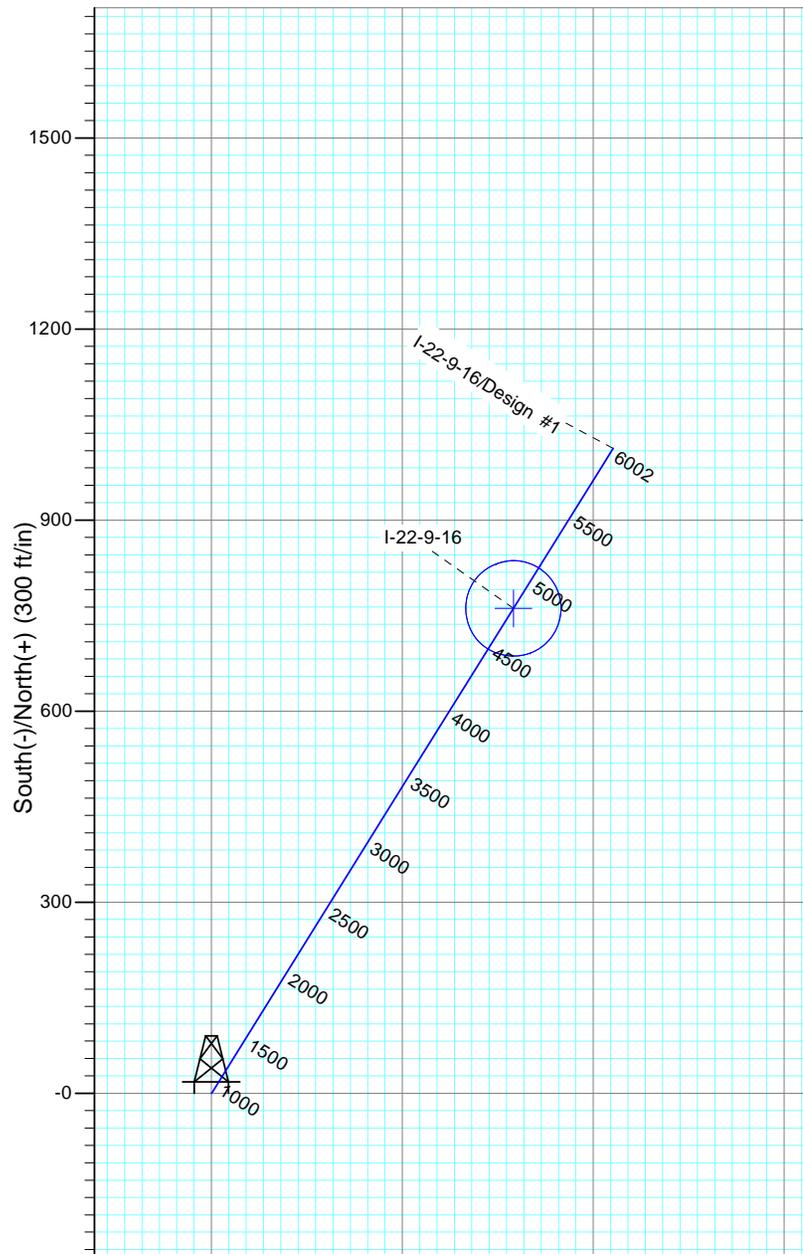
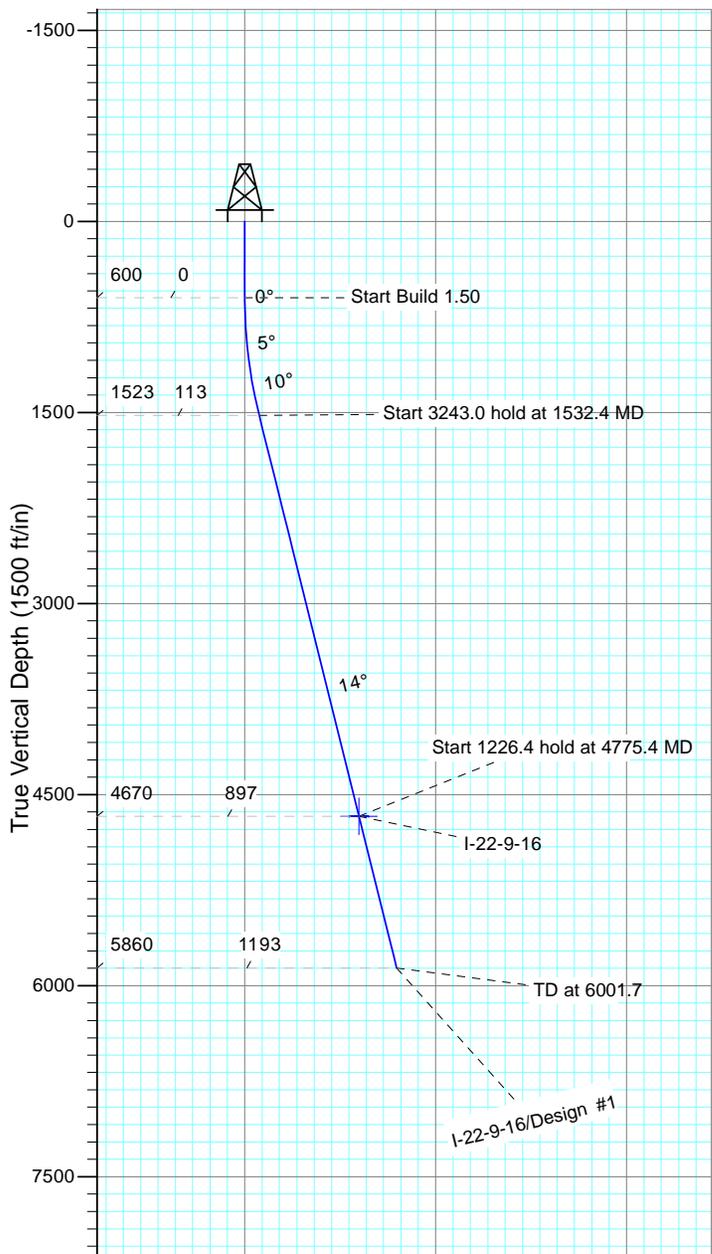


Project: USGS Myton SW (UT)  
Site: SECTION 22 T9, R16  
Well: I-22-9-16  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 11.03°

Magnetic Field  
Strength: 52018.4snT  
Dip Angle: 65.71°  
Date: 10/9/2013  
Model: IGRF2010



API Well Number: 43013528690000

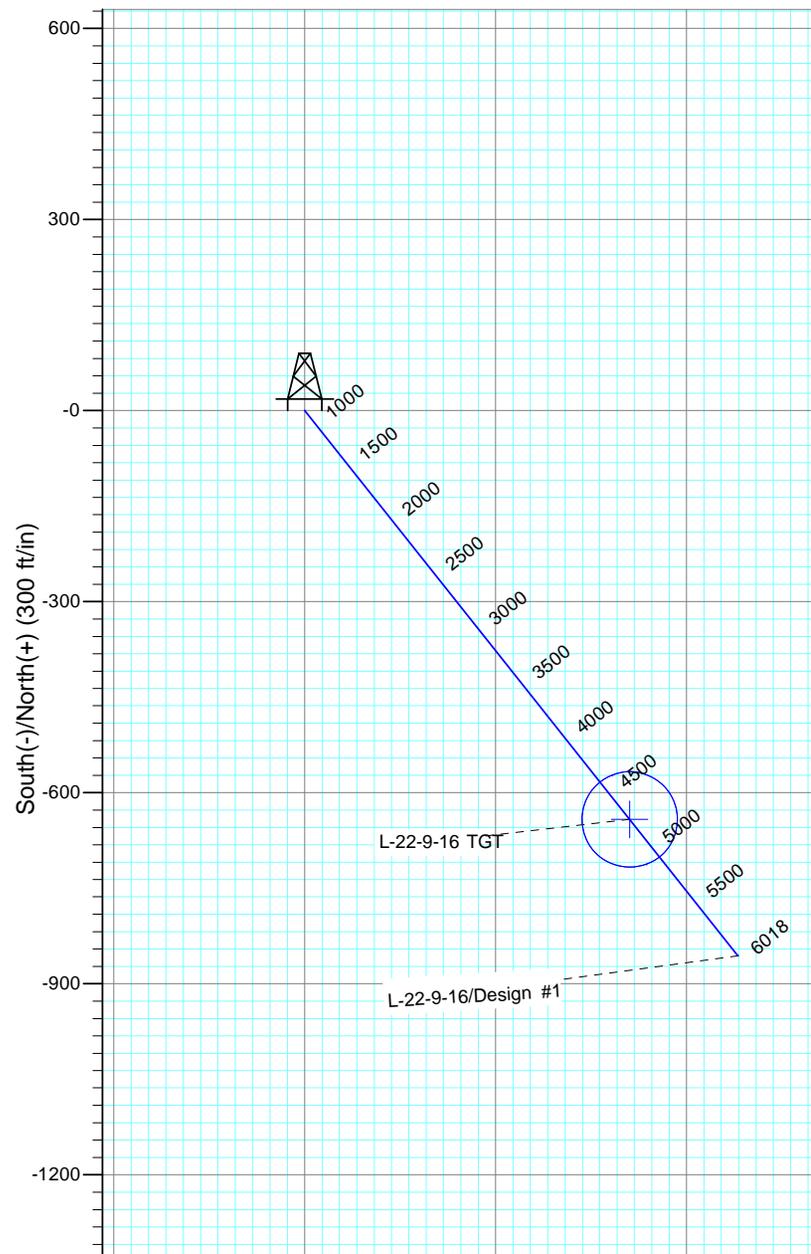
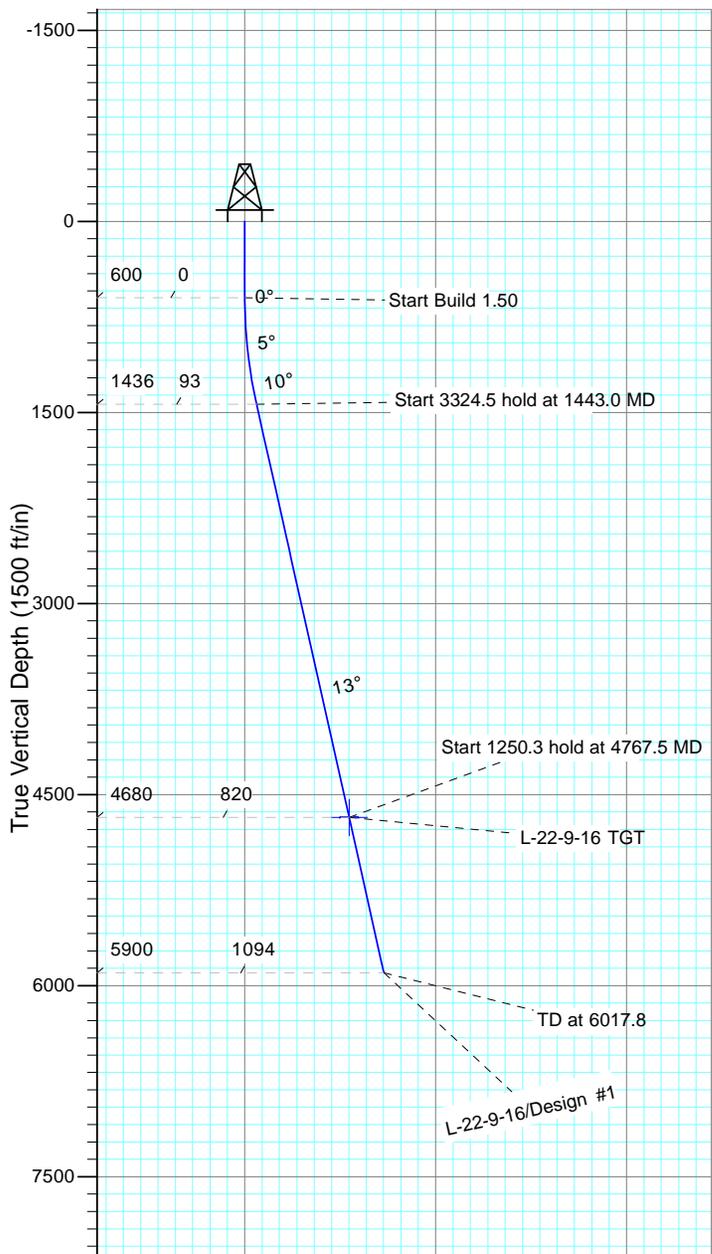


Project: USGS Myton SW (UT)  
Site: SECTION 22 T9, R16  
Well: L-22-9-16  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 11.02°

Magnetic Field  
Strength: 52015.2snT  
Dip Angle: 65.71°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000

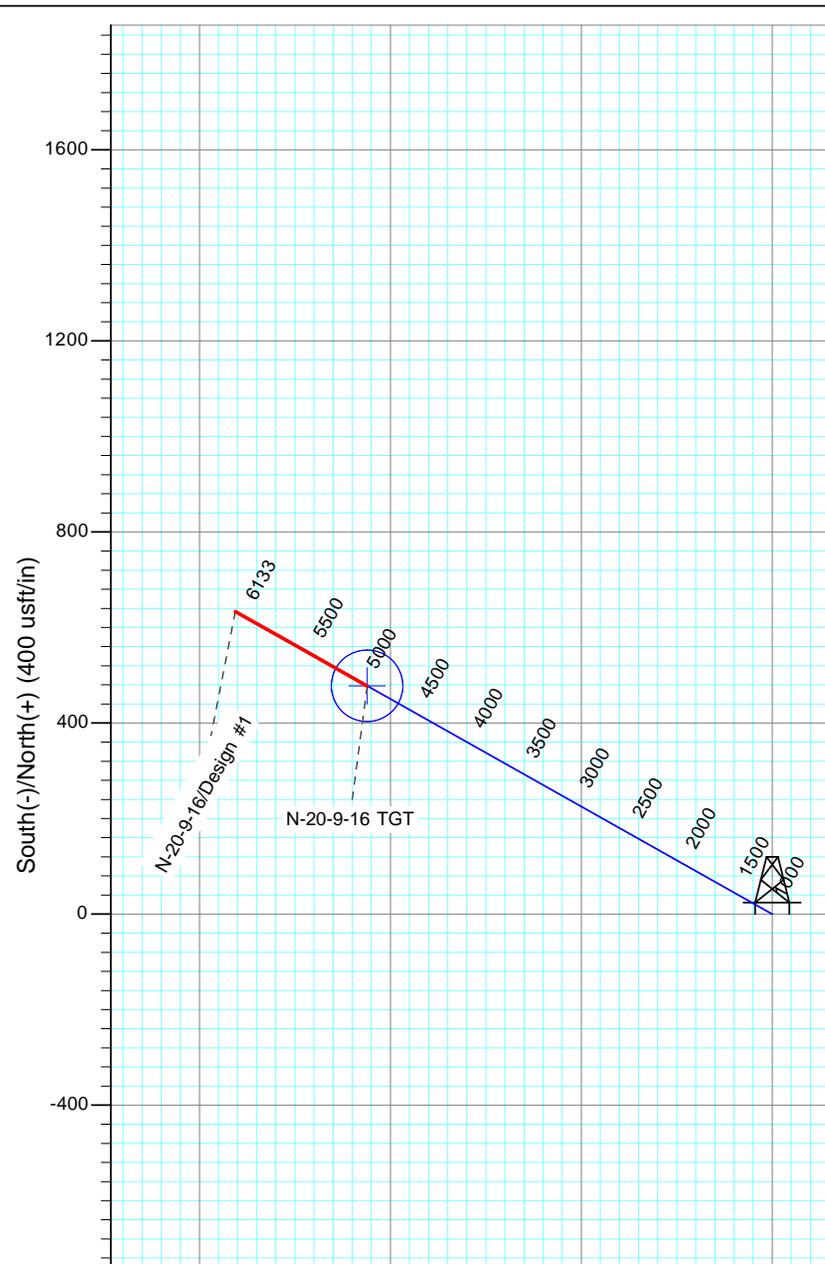
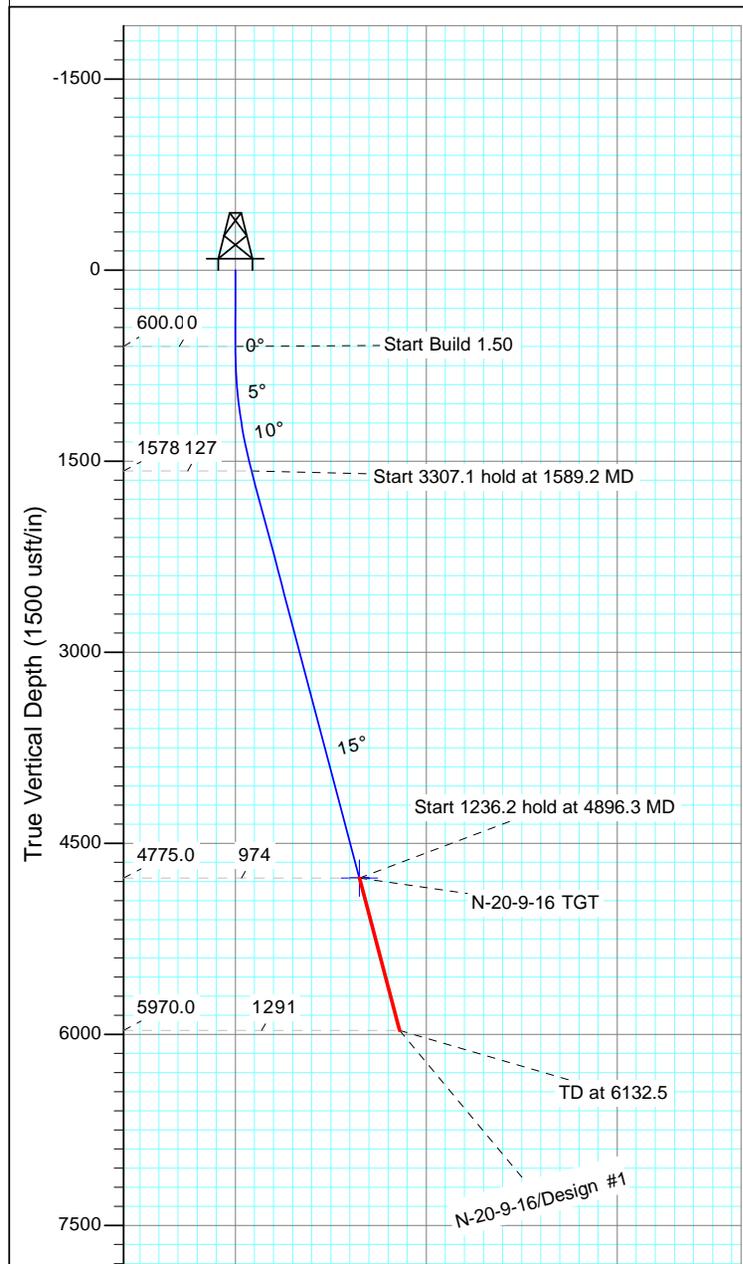


Project: USGS Myton SW (UT)  
Site: SECTION 20 T9, R16  
Well: N-20-9-16  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.05°

Magnetic Field  
Strength: 52011.1snT  
Dip Angle: 65.70°  
Date: 9/30/2013  
Model: IGRF2010



API Well Number: 43013528690000

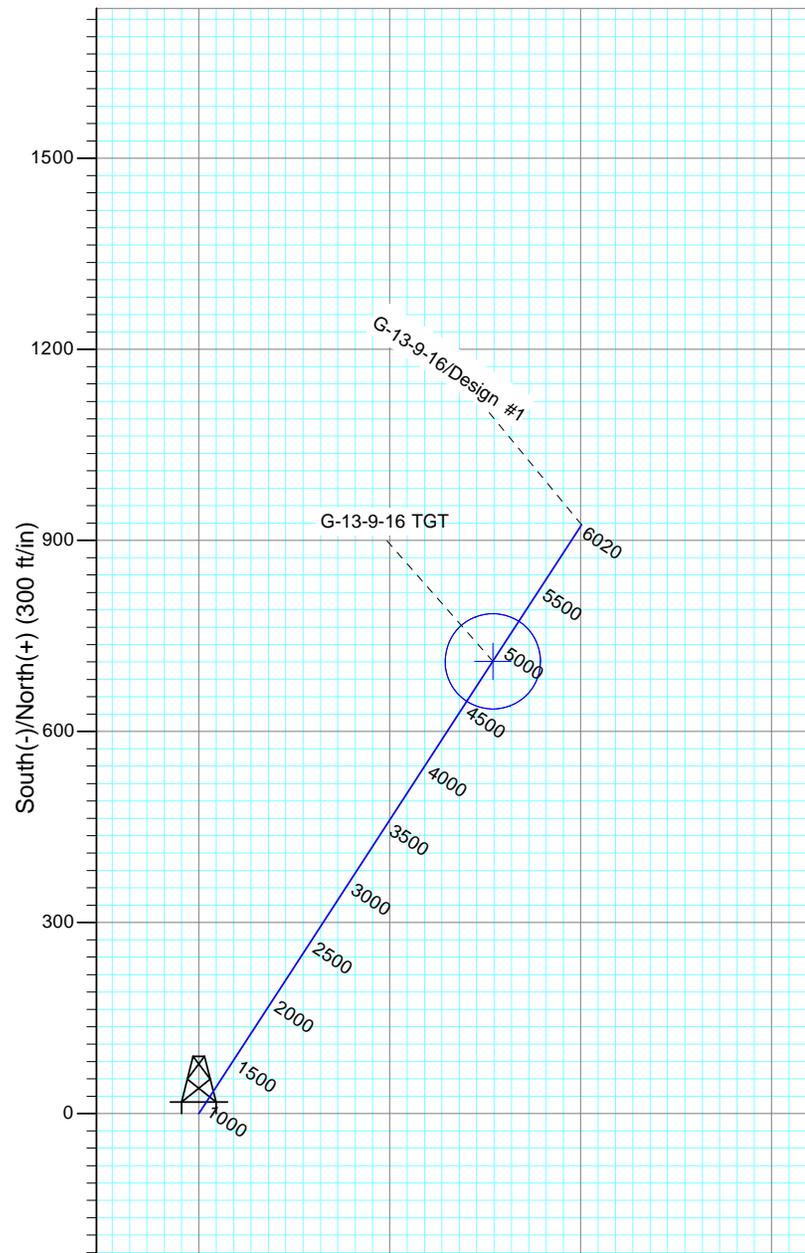
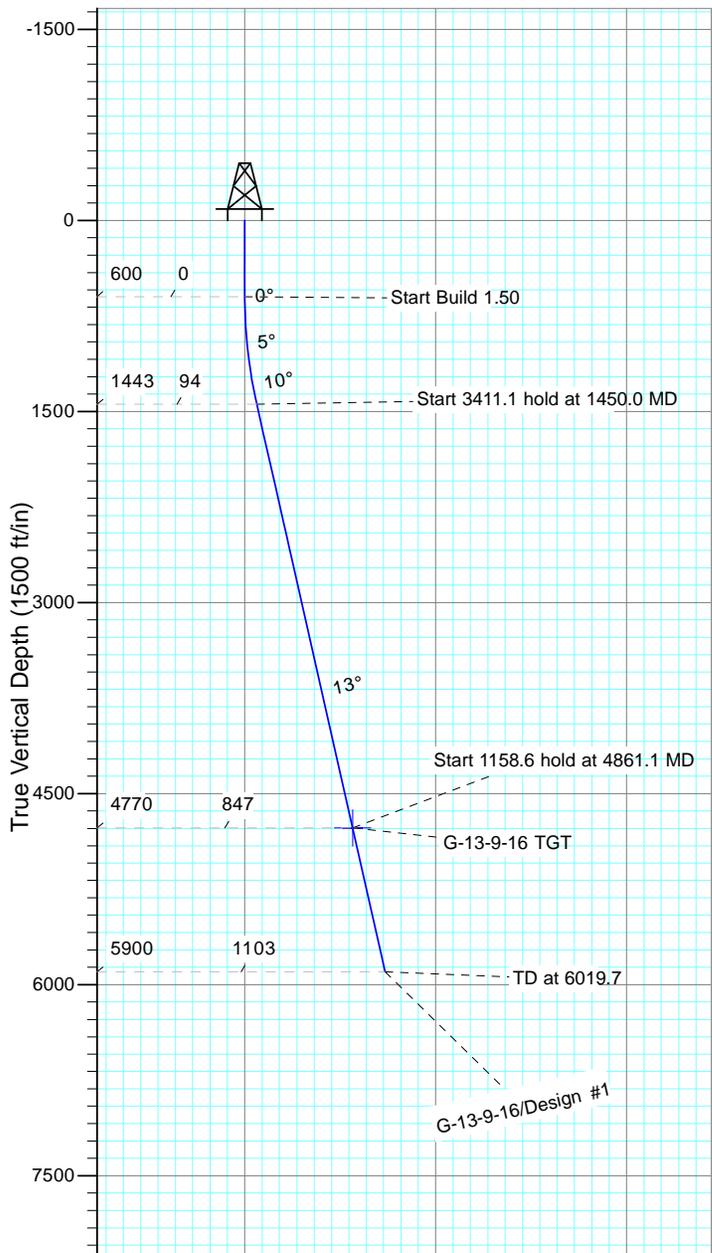


Project: USGS Myton SW (UT)  
Site: SECTION 13 T9S, R16E  
Well: G-13-9-16  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 11.02°

Magnetic Field  
Strength: 52032.9snT  
Dip Angle: 65.72°  
Date: 10/9/2013  
Model: IGRF2010



API Well Number: 43013528690000

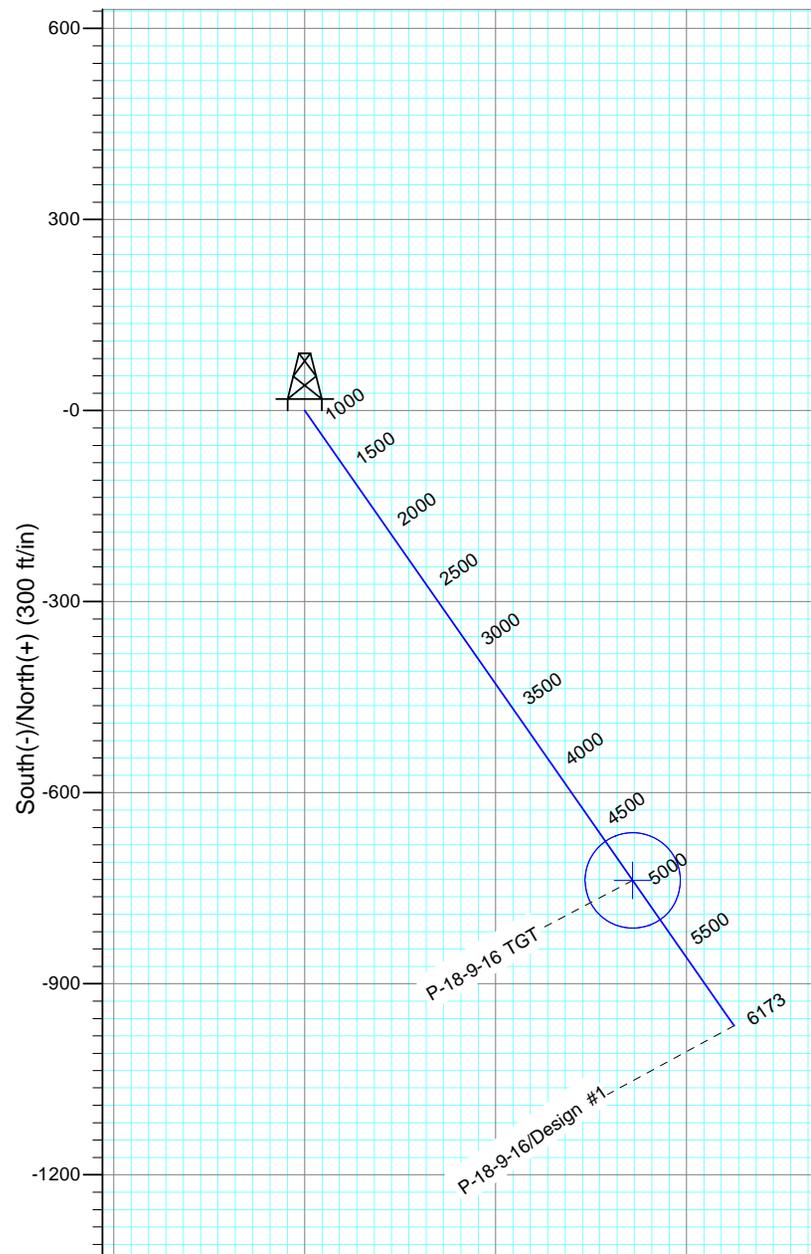
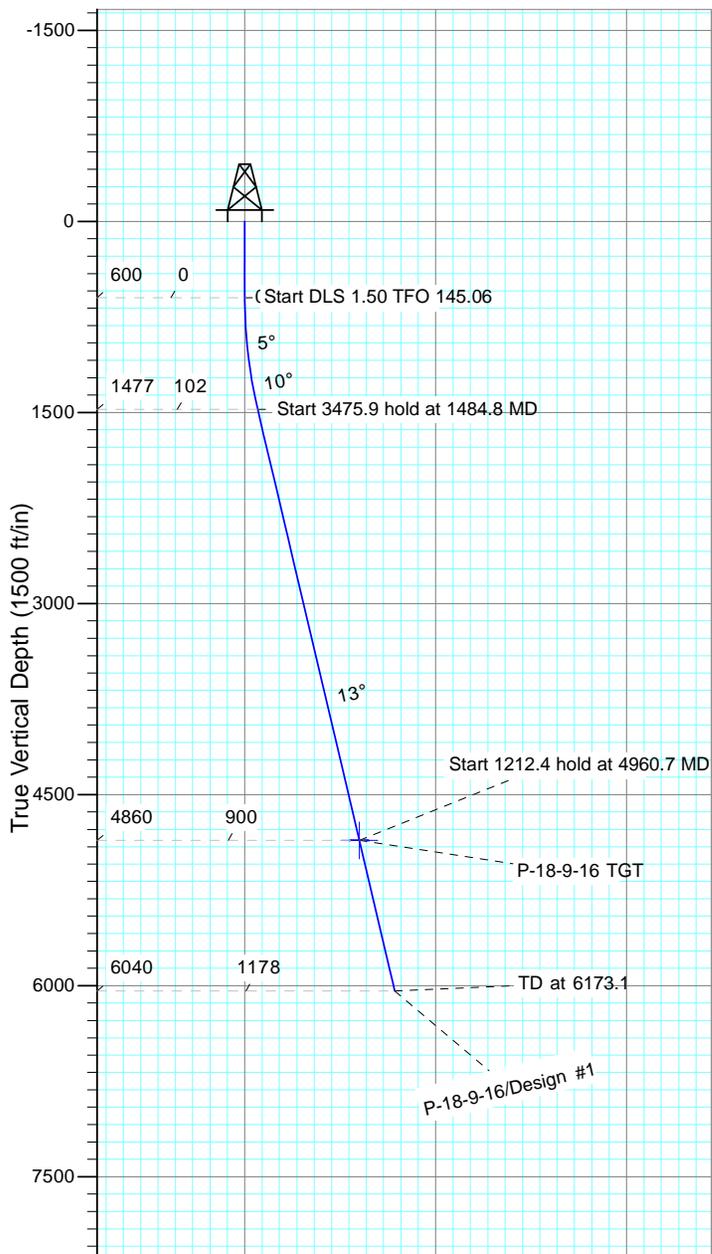


Project: USGS Myton SW (UT)  
Site: SECTION 13 T9, R15  
Well: P-18-9-16  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 11.05°

Magnetic Field  
Strength: 52009.6snT  
Dip Angle: 65.70°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000

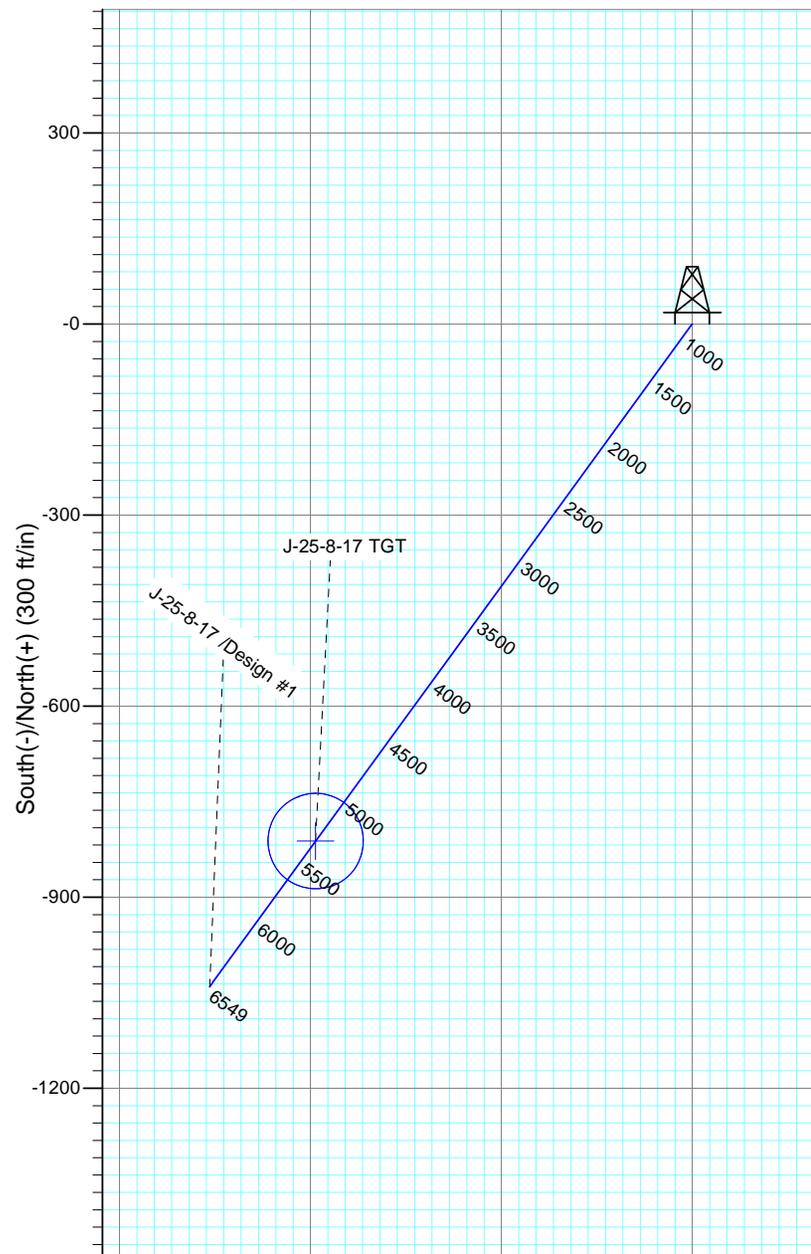
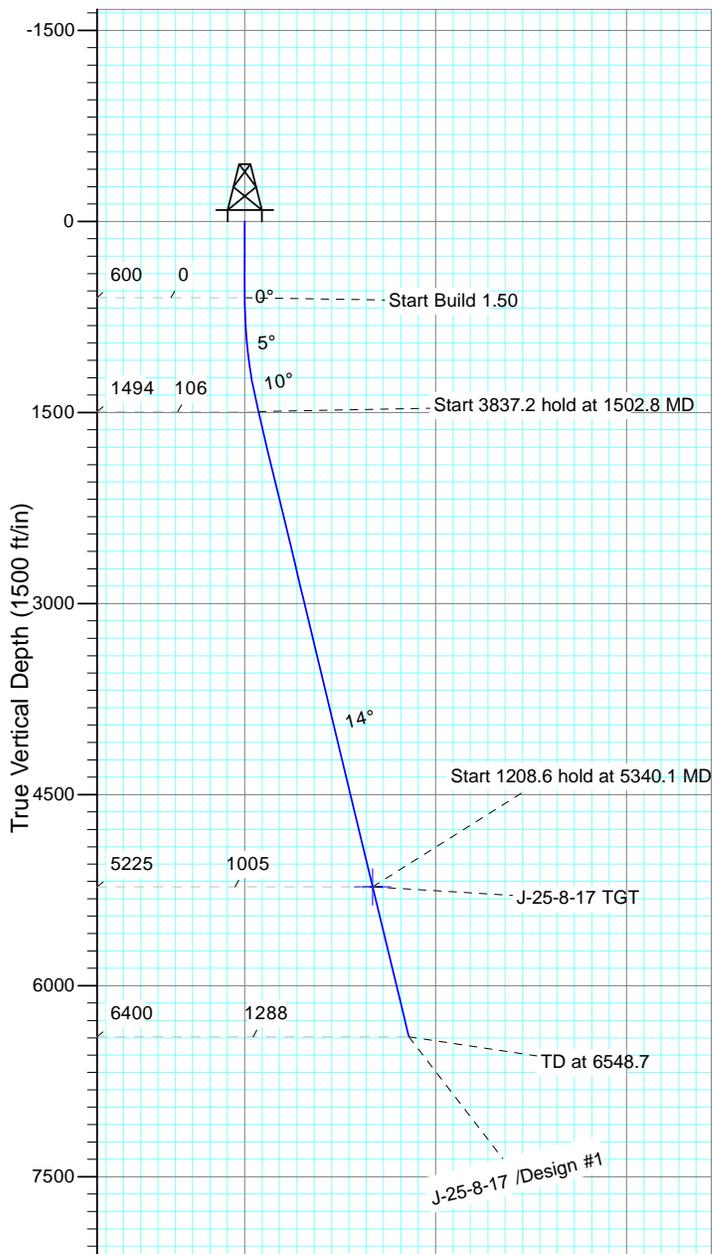


Project: USGS Myton SW (UT)  
Site: SECTION 30 T8, R18  
Well: J-25-8-17  
Wellbore: Wellbore #1  
Desian: Desian #1



Azimuths to True North  
Magnetic North: 10.97°

Magnetic Field  
Strength: 52085.6snT  
Dip Angle: 65.80°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000

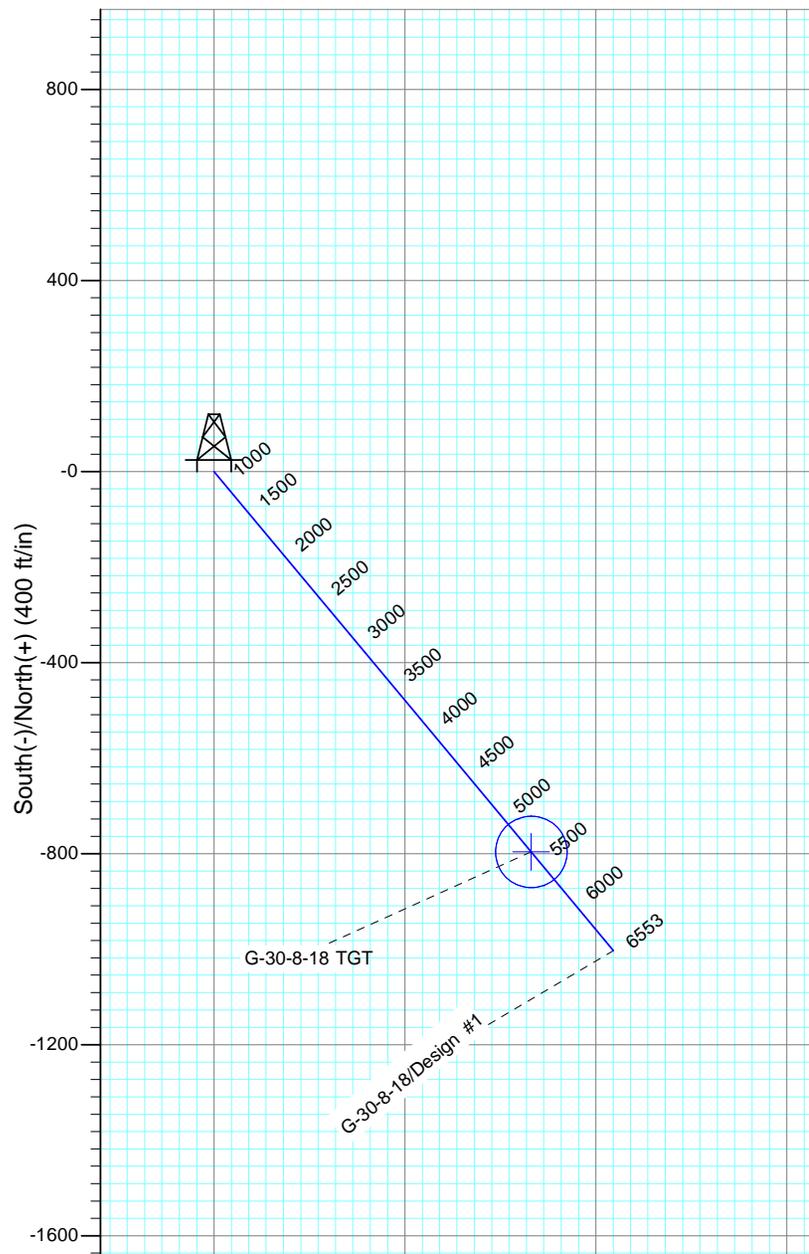
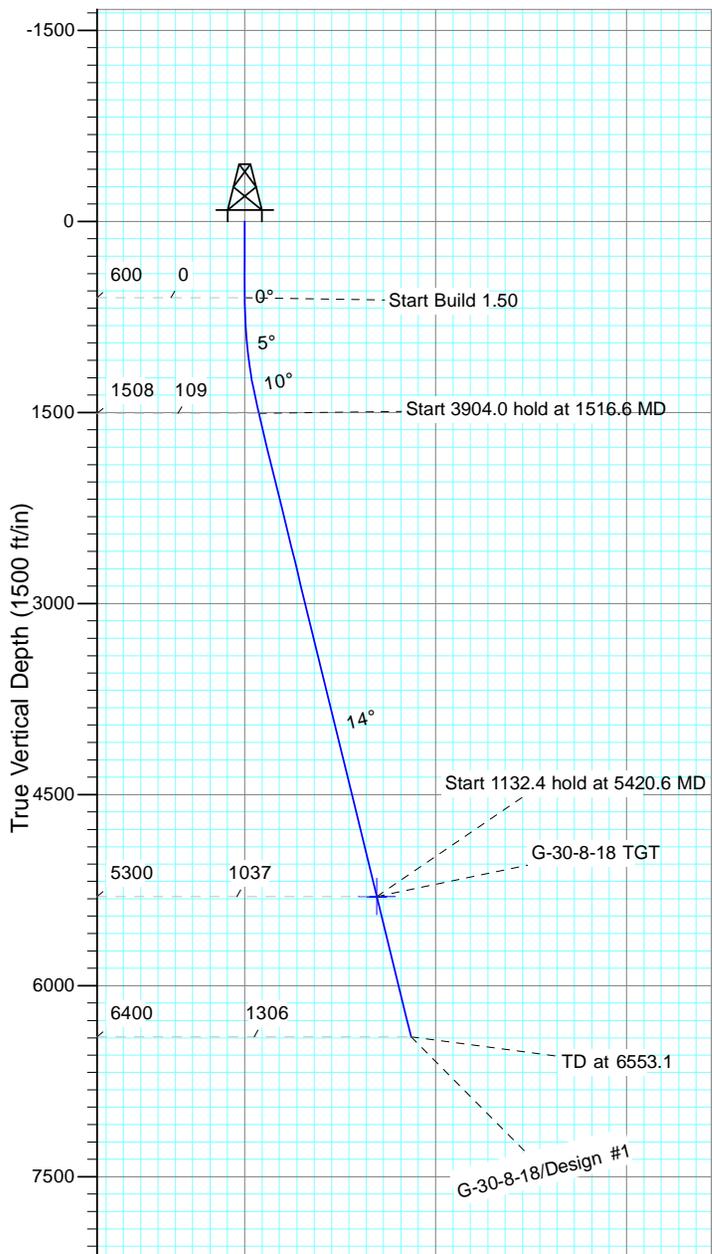


Project: USGS Myton SW (UT)  
Site: SECTION 30 T8, R18  
Well: G-30-8-18  
Wellbore: Wellbore #1  
Design: Design #1



Azimuths to True North  
Magnetic North: 10.97°

Magnetic Field  
Strength: 52085.7snT  
Dip Angle: 65.80°  
Date: 10/21/2013  
Model: IGRF2010



API Well Number: 43013528690000

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/24/2014

API NO. ASSIGNED: 43013528690000

WELL NAME: GMBU P-18-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: NESE 13 090S 150E

Permit Tech Review: 

SURFACE: 2088 FSL 0506 FEL

Engineering Review: 

BOTTOM: 1111 FSL 0157 FWL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.02944

LONGITUDE: -110.17291

UTM SURF EASTINGS: 570570.00

NORTHINGS: 4431352.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-66184

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:
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

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



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU P-18-9-16  
**API Well Number:** 43013528690000  
**Lease Number:** UTU-66184  
**Surface Owner:** FEDERAL  
**Approval Date:** 3/4/2014

### 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 . The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### General:

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

### Conditions of Approval:

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

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

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

### Notification Requirements:

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

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

(please leave a voicemail message if not available)

OR

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

**Reporting Requirements:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-66184	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Oil Well	
<b>8. WELL NAME and NUMBER:</b> GMBU P-18-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013528690000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052 <b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2088 FSL 0506 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 15.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/4/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**Feb Davis, 02, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_

**By:** 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/28/2015	



**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 43013528690000**

API: 43013528690000

Well Name: GMBU P-18-9-16

Location: 2088 FSL 0506 FEL QTR NESE SEC 13 TWNP 090S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 3/4/2014

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: 1/28/2015

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-66184	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>8. WELL NAME and NUMBER:</b> GMBU P-18-9-16	
<b>9. API NUMBER:</b> 43013528690000	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Oil Well	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	
<b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2088 FSL 0506 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 15.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/4/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Approved by the  
 Feb Davis, 08, 2016  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/4/2016	



**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 43013528690000**

API: 43013528690000

Well Name: GMBU P-18-9-16

Location: 2088 FSL 0506 FEL QTR NESE SEC 13 TWNP 090S RNG 150E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 3/4/2014

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: 2/4/2016

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY