

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 F-11-9-17				
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-18043			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		846 FNL 742 FEL		NENE	10	9.0 S	17.0 E	S		
Top of Uppermost Producing Zone		1191 FNL 176 FEL		NENE	10	9.0 S	17.0 E	S		
At Total Depth		1557 FNL 389 FWL		SWNW	11	9.0 S	17.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 389			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 710			26. PROPOSED DEPTH MD: 6125 TVD: 5950				
27. ELEVATION - GROUND LEVEL 5082			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 - 6125	15.5	J-55 LT&C	8.3	Premium Lite High Strength	285	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 Heather Calder				TITLE Production Technician				PHONE 435 646-4936		
SIGNATURE				DATE 01/17/2014				EMAIL hcalder@newfield.com		
API NUMBER ASSIGNED 43013527940000				APPROVAL <div style="text-align: right;">  Permit Manager </div>						

NEWFIELD PRODUCTION COMPANY
 GMBU F-11-9-17
 AT SURFACE: NE/NE SECTION 10, T9S R17E
 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' – 3,560'
Green River	3,560'
Wasatch	5,980'
Proposed TD	6,125'(MD) 5,950' (TVD)

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

Green River Formation (Oil) 3,560' – 5,980'

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 F-11-9-17**

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'	6,125'	15.5	J-55	LTC	4,810 2.47	4,040 2.07	217,000 2.29

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 F-11-9-17**

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	4,125'	Prem Lite II w/ 10% gel + 3% KCl	285	30%	11.0	3.26
			929			
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 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

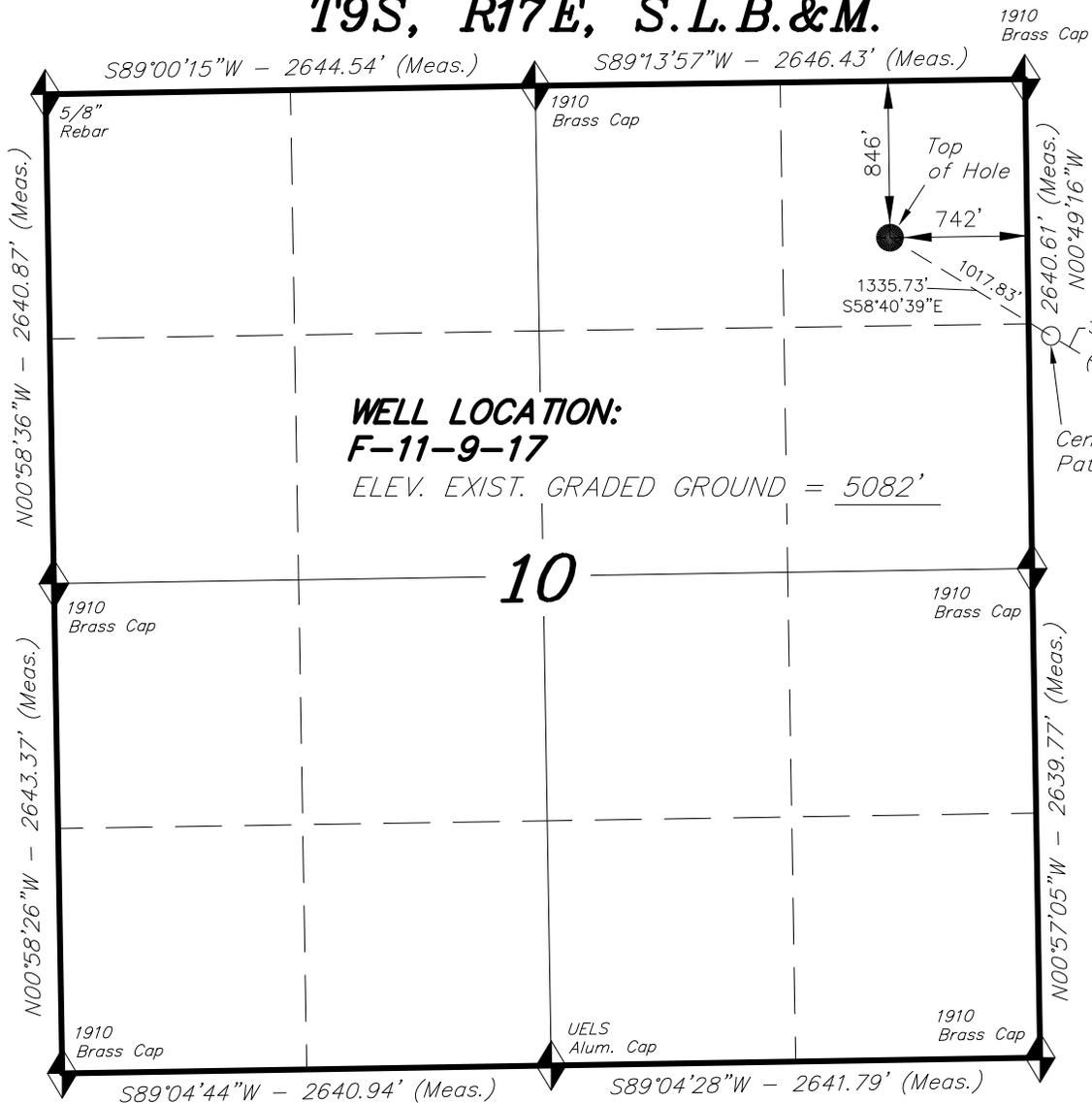
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

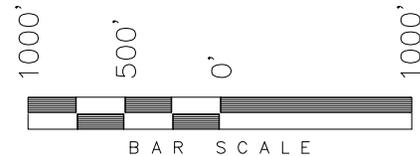
It is anticipated that the drilling operations will commence the 2nd quarter of 2014, and take approximately seven (7) days from spud to rig release.

T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, F-11-9-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 10, T9S, R17E, 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
 11-07-13
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

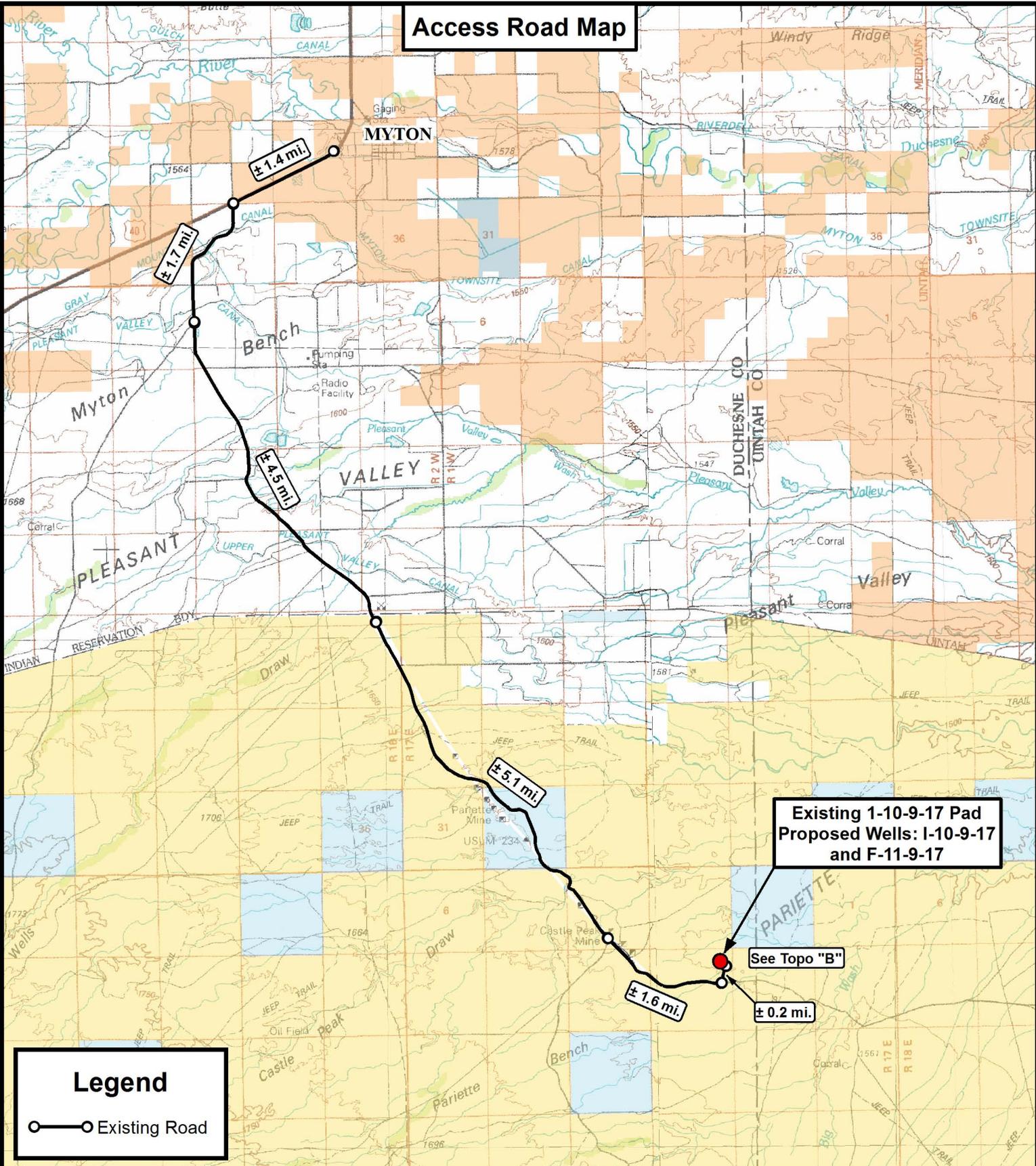
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°03'01.33"
LONGITUDE = 109°59'09.41"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°03'01.47"
LONGITUDE = 109°59'06.87"

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

DATE SURVEYED: 10-08-13	SURVEYED BY: G.D.O.	VERSION:
DATE DRAWN: 11-07-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

Access Road Map



Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17
and F-11-9-17

See Topo "B"

Legend

○—○ Existing Road

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

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F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

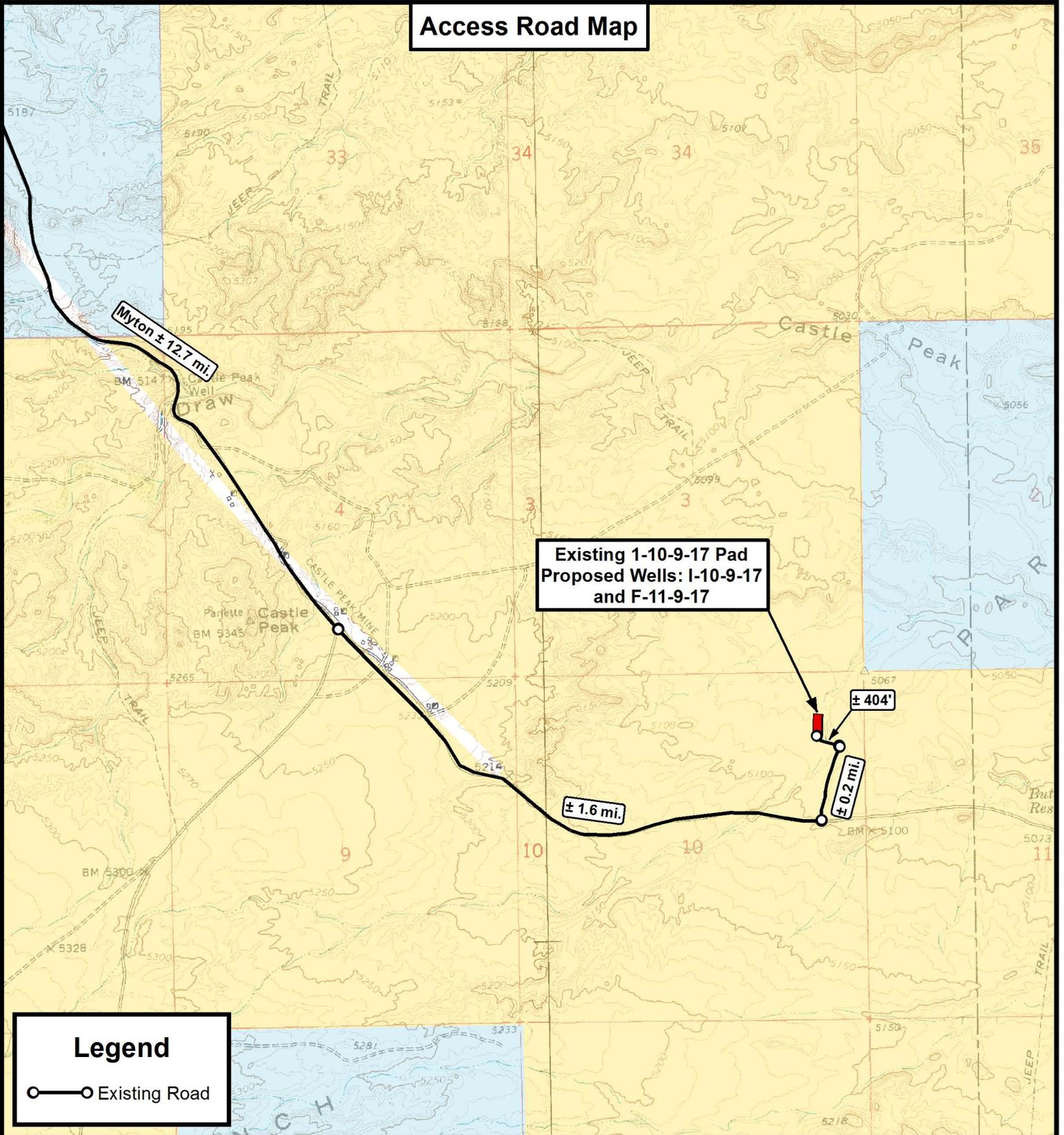
Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17 and F-11-9-17
Sec. 10, T9S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	11-07-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



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

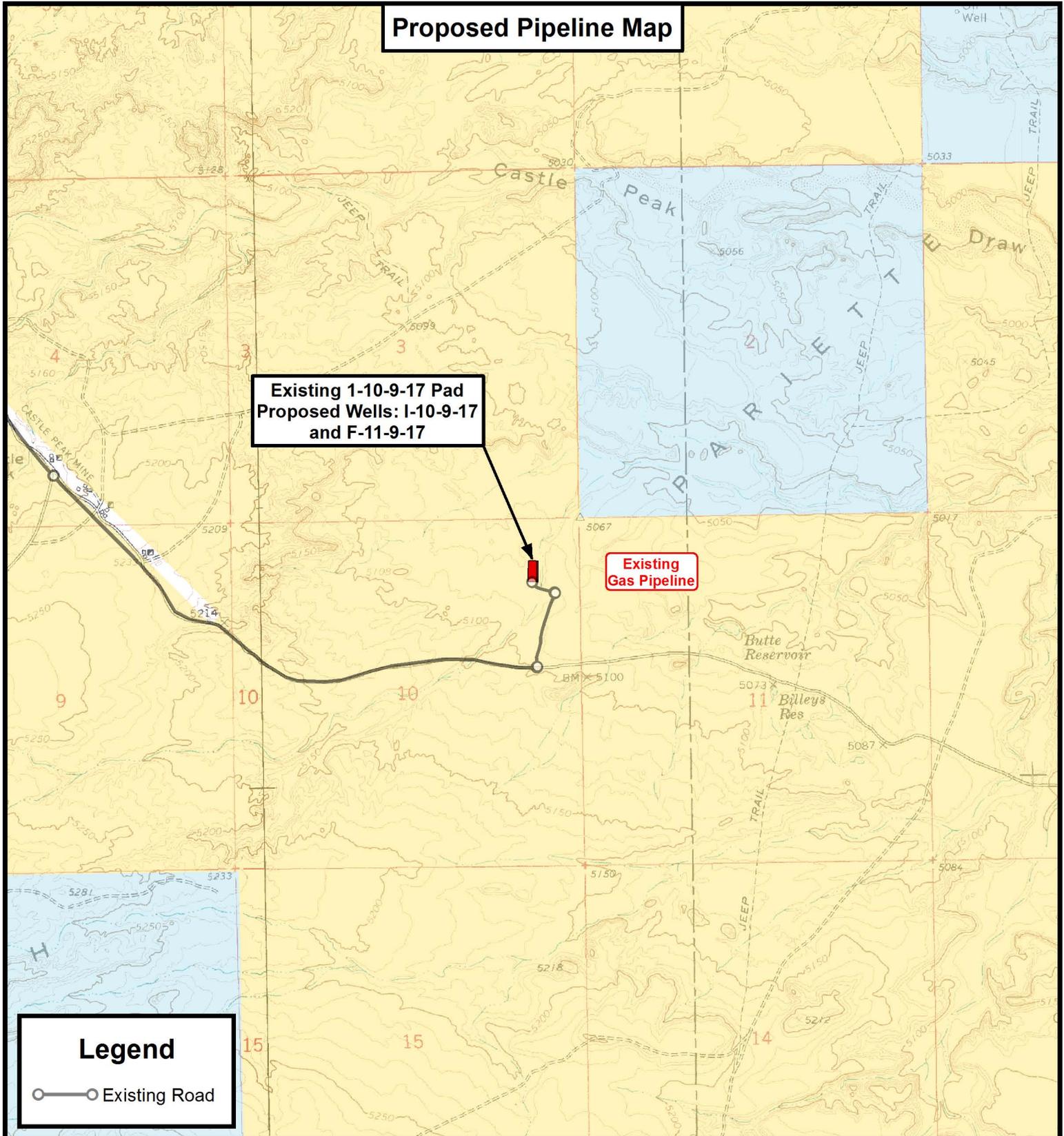
Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17 and F-11-9-17
Sec. 10, T9S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-07-13 A.P.C.	VERSION:
DATE:	10-07-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17
and F-11-9-17**

**Existing
Gas Pipeline**

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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Land Surveying, Inc.**
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NEWFIELD EXPLORATION COMPANY
Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17 and F-11-9-17
Sec. 10, T9S, R17E, S.L.B.&M.
Duchesne County, UT.

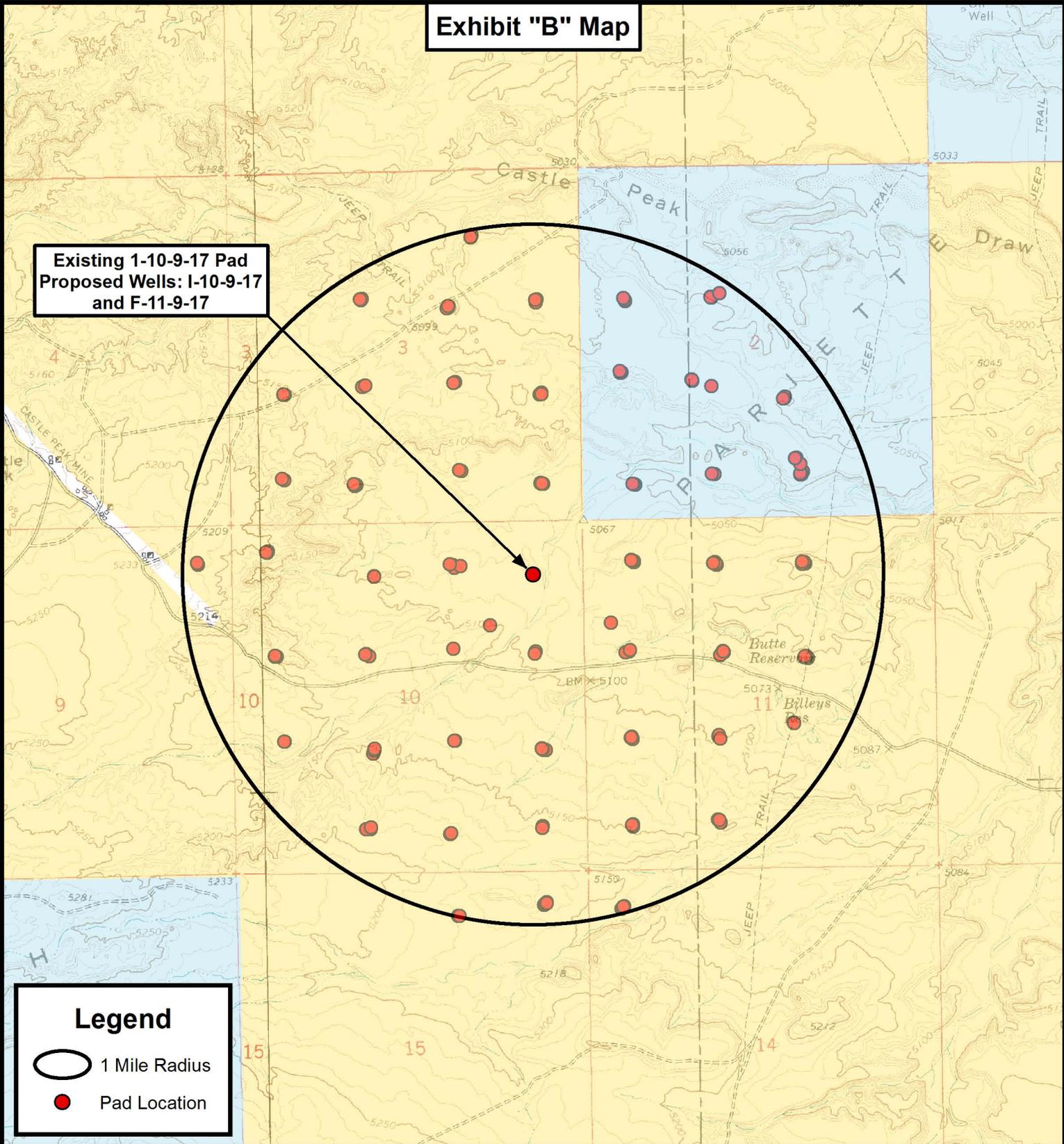
DRAWN BY:	A.P.C.	REVISED:	11-07-13 A.P.C.	VERSION:
DATE:	10-07-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17
and F-11-9-17



Legend

- 1 Mile Radius
- Pad Location

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NEWFIELD EXPLORATION COMPANY

Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17 and F-11-9-17
Sec. 10, T9S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	11-07-2013		
SCALE:	1" = 2,000'		V2

TOPOGRAPHIC MAP

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
1-10-9-17	Surface Hole	40° 03' 01.64" N	109° 59' 09.78" W
I-10-9-17	Surface Hole	40° 03' 01.49" N	109° 59' 09.59" W
F-11-9-17	Surface Hole	40° 03' 01.33" N	109° 59' 09.41" W
I-10-9-17	Center of Pattern	40° 02' 55.68" N	109° 59' 16.47" W
F-11-9-17	Center of Pattern	40° 02' 55.96" N	109° 58' 58.35" W
I-10-9-17	Bottom of Hole	40° 02' 54.15" N	109° 59' 18.29" W
F-11-9-17	Bottom of Hole	40° 02' 54.28" N	109° 58' 54.89" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
1-10-9-17	Surface Hole	40.050455	109.986050
I-10-9-17	Surface Hole	40.050413	109.985998
F-11-9-17	Surface Hole	40.050370	109.985946
I-10-9-17	Center of Pattern	40.048800	109.987909
F-11-9-17	Center of Pattern	40.048878	109.982874
I-10-9-17	Bottom of Hole	40.048374	109.988414
F-11-9-17	Bottom of Hole	40.048412	109.981914
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
1-10-9-17	Surface Hole	4433849.746	586487.557
I-10-9-17	Surface Hole	4433845.071	586492.018
F-11-9-17	Surface Hole	4433840.395	586496.479
I-10-9-17	Center of Pattern	4433664.193	586331.028
F-11-9-17	Center of Pattern	4433677.745	586760.451
I-10-9-17	Bottom of Hole	4433616.431	586288.516
F-11-9-17	Bottom of Hole	4433626.943	586842.899
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
1-10-9-17	Surface Hole	40° 03' 01.77" N	109° 59' 07.24" W
I-10-9-17	Surface Hole	40° 03' 01.62" N	109° 59' 07.06" W
F-11-9-17	Surface Hole	40° 03' 01.47" N	109° 59' 06.87" W
I-10-9-17	Center of Pattern	40° 02' 55.81" N	109° 59' 13.94" W
F-11-9-17	Center of Pattern	40° 02' 56.09" N	109° 58' 55.81" W
I-10-9-17	Bottom of Hole	40° 02' 54.28" N	109° 59' 15.75" W
F-11-9-17	Bottom of Hole	40° 02' 54.42" N	109° 58' 52.36" W



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NEWFIELD EXPLORATION COMPANY

Existing 1-10-9-17 Pad
Proposed Wells: I-10-9-17 and F-11-9-17
Sec. 10, T9S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.
DATE: 11-07-2013
VERSION: V2

REVISED:

COORDINATE REPORT

SHEET

1

RECEIVED: January 17, 2014



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 10 T9S, R17E
F-11-9-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

24 October, 2013





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well F-11-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Site:	SECTION 10 T9S, R17E	North Reference:	True
Well:	F-11-9-17	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 10 T9S, R17E, SEC 10 TT9S, R17E				
Site Position:		Northing:	7,188,895.00 ft	Latitude:	40° 2' 44.227 N
From:	Lat/Long	Easting:	2,062,318.00 ft	Longitude:	109° 59' 34.330 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.97 °

Well	F-11-9-17, SHL LAT: 40 03 01.33 LONG: -109 59 09.41					
Well Position	+N/-S	1,730.4 ft	Northing:	7,190,657.96 ft	Latitude:	40° 3' 1.330 N
	+E/-W	1,937.8 ft	Easting:	2,064,226.28 ft	Longitude:	109° 59' 9.410 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,092.0 ft	Ground Level:	5,082.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/24/2013	10.98	65.76	52,054

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 (°)	
	0.0	0.0	0.0	121.32	

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	
1,630.2	15.45	121.32	1,617.8	-71.8	118.0	1.50	1.50	0.00	121.32	
4,931.8	15.45	121.32	4,800.0	-529.1	869.5	0.00	0.00	0.00	0.00	F-11-9-17 TGT
6,124.9	15.45	121.32	5,950.0	-694.3	1,141.1	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well F-11-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Site:	SECTION 10 T9S, R17E	North Reference:	True
Well:	F-11-9-17	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	121.32	700.0	-0.7	1.1	1.3	1.50	1.50	0.00
800.0	3.00	121.32	799.9	-2.7	4.5	5.2	1.50	1.50	0.00
900.0	4.50	121.32	899.7	-6.1	10.1	11.8	1.50	1.50	0.00
1,000.0	6.00	121.32	999.3	-10.9	17.9	20.9	1.50	1.50	0.00
1,100.0	7.50	121.32	1,098.6	-17.0	27.9	32.7	1.50	1.50	0.00
1,200.0	9.00	121.32	1,197.5	-24.4	40.2	47.0	1.50	1.50	0.00
1,300.0	10.50	121.32	1,296.1	-33.2	54.6	64.0	1.50	1.50	0.00
1,400.0	12.00	121.32	1,394.2	-43.4	71.3	83.5	1.50	1.50	0.00
1,500.0	13.50	121.32	1,491.7	-54.9	90.2	105.5	1.50	1.50	0.00
1,600.0	15.00	121.32	1,588.6	-67.7	111.2	130.2	1.50	1.50	0.00
1,630.2	15.45	121.32	1,617.8	-71.8	118.0	138.1	1.50	1.50	0.00
1,700.0	15.45	121.32	1,685.0	-81.4	133.9	156.7	0.00	0.00	0.00
1,800.0	15.45	121.32	1,781.4	-95.3	156.6	183.3	0.00	0.00	0.00
1,900.0	15.45	121.32	1,877.8	-109.1	179.4	210.0	0.00	0.00	0.00
2,000.0	15.45	121.32	1,974.2	-123.0	202.1	236.6	0.00	0.00	0.00
2,100.0	15.45	121.32	2,070.6	-136.9	224.9	263.3	0.00	0.00	0.00
2,200.0	15.45	121.32	2,167.0	-150.7	247.7	289.9	0.00	0.00	0.00
2,300.0	15.45	121.32	2,263.3	-164.6	270.4	316.6	0.00	0.00	0.00
2,400.0	15.45	121.32	2,359.7	-178.4	293.2	343.2	0.00	0.00	0.00
2,500.0	15.45	121.32	2,456.1	-192.3	316.0	369.9	0.00	0.00	0.00
2,600.0	15.45	121.32	2,552.5	-206.1	338.7	396.5	0.00	0.00	0.00
2,700.0	15.45	121.32	2,648.9	-220.0	361.5	423.1	0.00	0.00	0.00
2,800.0	15.45	121.32	2,745.3	-233.8	384.2	449.8	0.00	0.00	0.00
2,900.0	15.45	121.32	2,841.6	-247.7	407.0	476.4	0.00	0.00	0.00
3,000.0	15.45	121.32	2,938.0	-261.5	429.8	503.1	0.00	0.00	0.00
3,100.0	15.45	121.32	3,034.4	-275.4	452.5	529.7	0.00	0.00	0.00
3,200.0	15.45	121.32	3,130.8	-289.2	475.3	556.4	0.00	0.00	0.00
3,300.0	15.45	121.32	3,227.2	-303.1	498.1	583.0	0.00	0.00	0.00
3,400.0	15.45	121.32	3,323.6	-316.9	520.8	609.7	0.00	0.00	0.00
3,500.0	15.45	121.32	3,420.0	-330.8	543.6	636.3	0.00	0.00	0.00
3,600.0	15.45	121.32	3,516.3	-344.6	566.3	663.0	0.00	0.00	0.00
3,700.0	15.45	121.32	3,612.7	-358.5	589.1	689.6	0.00	0.00	0.00
3,800.0	15.45	121.32	3,709.1	-372.3	611.9	716.2	0.00	0.00	0.00
3,900.0	15.45	121.32	3,805.5	-386.2	634.6	742.9	0.00	0.00	0.00
4,000.0	15.45	121.32	3,901.9	-400.0	657.4	769.5	0.00	0.00	0.00
4,100.0	15.45	121.32	3,998.3	-413.9	680.2	796.2	0.00	0.00	0.00
4,200.0	15.45	121.32	4,094.6	-427.7	702.9	822.8	0.00	0.00	0.00
4,300.0	15.45	121.32	4,191.0	-441.6	725.7	849.5	0.00	0.00	0.00
4,400.0	15.45	121.32	4,287.4	-455.4	748.5	876.1	0.00	0.00	0.00
4,500.0	15.45	121.32	4,383.8	-469.3	771.2	902.8	0.00	0.00	0.00
4,600.0	15.45	121.32	4,480.2	-483.1	794.0	929.4	0.00	0.00	0.00
4,700.0	15.45	121.32	4,576.6	-497.0	816.7	956.1	0.00	0.00	0.00
4,800.0	15.45	121.32	4,673.0	-510.8	839.5	982.7	0.00	0.00	0.00
4,900.0	15.45	121.32	4,769.3	-524.7	862.3	1,009.4	0.00	0.00	0.00
4,931.8	15.45	121.32	4,800.0	-529.1	869.5	1,017.8	0.00	0.00	0.00
5,000.0	15.45	121.32	4,865.7	-538.5	885.0	1,036.0	0.00	0.00	0.00
5,100.0	15.45	121.32	4,962.1	-552.4	907.8	1,062.6	0.00	0.00	0.00



Payzone Directional
Planning Report

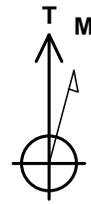


Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well F-11-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	F-11-9-17 @ 5092.0ft (Original Well Elev)
Site:	SECTION 10 T9S, R17E	North Reference:	True
Well:	F-11-9-17	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	15.45	121.32	5,058.5	-566.2	930.6	1,089.3	0.00	0.00	0.00
5,300.0	15.45	121.32	5,154.9	-580.1	953.3	1,115.9	0.00	0.00	0.00
5,400.0	15.45	121.32	5,251.3	-593.9	976.1	1,142.6	0.00	0.00	0.00
5,500.0	15.45	121.32	5,347.6	-607.8	998.8	1,169.2	0.00	0.00	0.00
5,600.0	15.45	121.32	5,444.0	-621.6	1,021.6	1,195.9	0.00	0.00	0.00
5,700.0	15.45	121.32	5,540.4	-635.5	1,044.4	1,222.5	0.00	0.00	0.00
5,800.0	15.45	121.32	5,636.8	-649.3	1,067.1	1,249.2	0.00	0.00	0.00
5,900.0	15.45	121.32	5,733.2	-663.2	1,089.9	1,275.8	0.00	0.00	0.00
6,000.0	15.45	121.32	5,829.6	-677.0	1,112.7	1,302.5	0.00	0.00	0.00
6,100.0	15.45	121.32	5,926.0	-690.9	1,135.4	1,329.1	0.00	0.00	0.00
6,124.9	15.45	121.32	5,950.0	-694.3	1,141.1	1,335.8	0.00	0.00	0.00



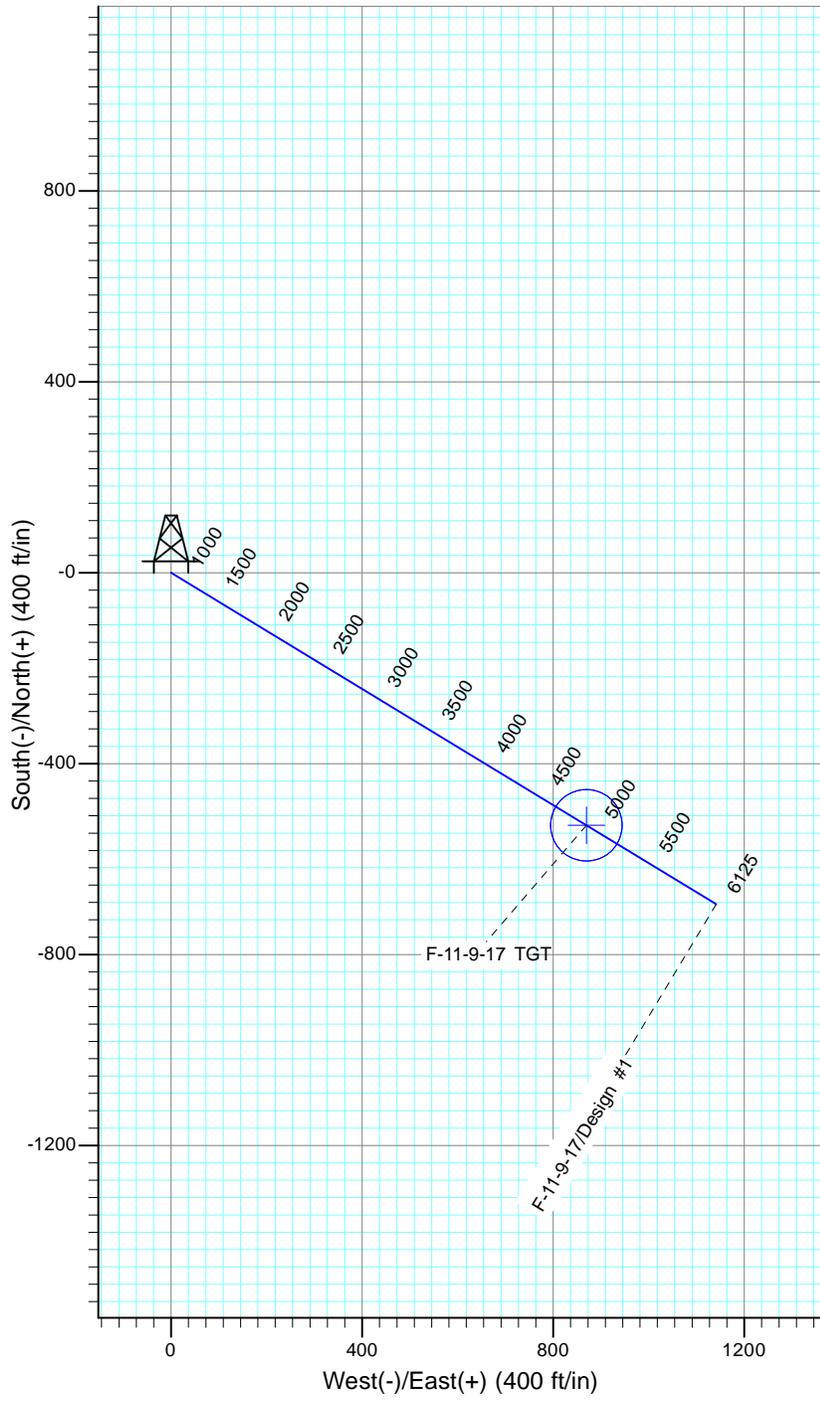
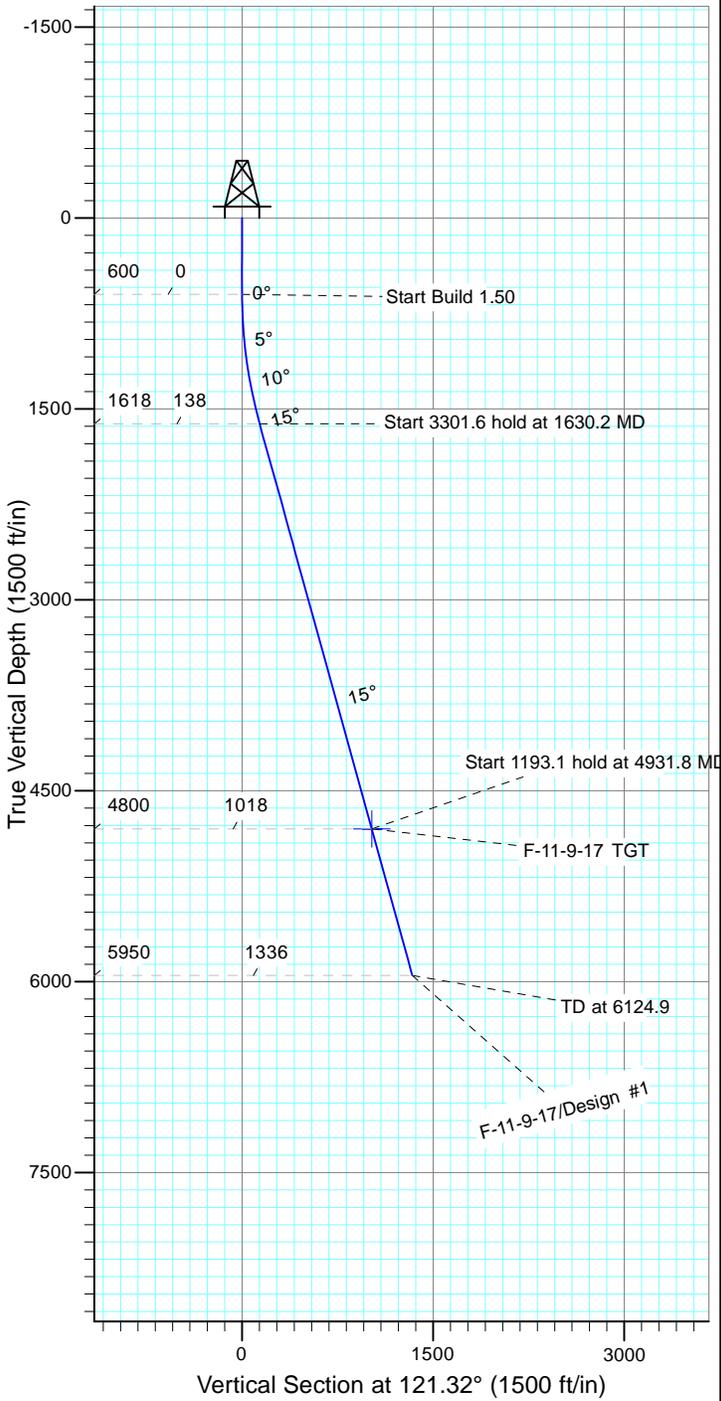
Project: USGS Myton SW (UT)
 Site: SECTION 10 T9S, R17E
 Well: F-11-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 10.98°

Magnetic Field
 Strength: 52054.4snT
 Dip Angle: 65.76°
 Date: 10/24/2013
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
F-11-9-17 TGT	4800.0	-529.1	869.5	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	1630.2	15.45	121.32	1617.8	-71.8	118.0	1.50	121.32	138.1	
4	4931.8	15.45	121.32	4800.0	-529.1	869.5	0.00	0.00	1017.8	F-11-9-17 TGT
5	6124.9	15.45	121.32	5950.0	-694.3	1141.1	0.00	0.00	1335.8	



**NEWFIELD PRODUCTION COMPANY
GMBU F-11-9-17
AT SURFACE: NE/NE SECTION 10, T9S R17E
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 F-11-9-17 located in the NE 1/4 NE 1/4 Section 10, T9S, R17E, 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 southeasterly direction – 12.9 miles ± to it's junction with an existing road to the north; proceed in a northerly direction – 0.2 miles ± to it's junction with the beginning of the access road to the existing 1-10-9-17 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 1-10-9-17 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 # 13-315 11/26/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, Wade E Miller, Report dated 10/30/13.

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 F-11-9-17, 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 F-11-9-17, 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

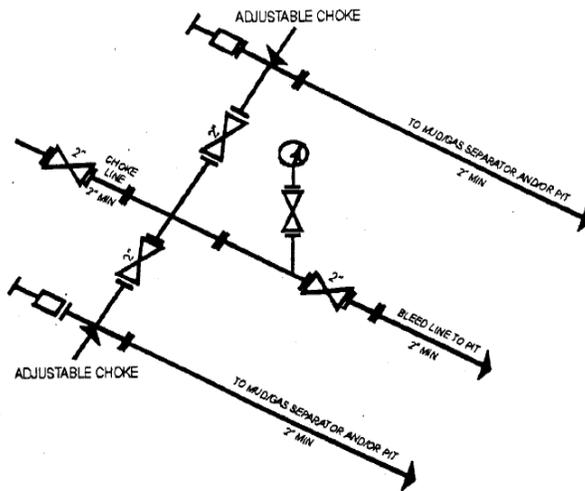
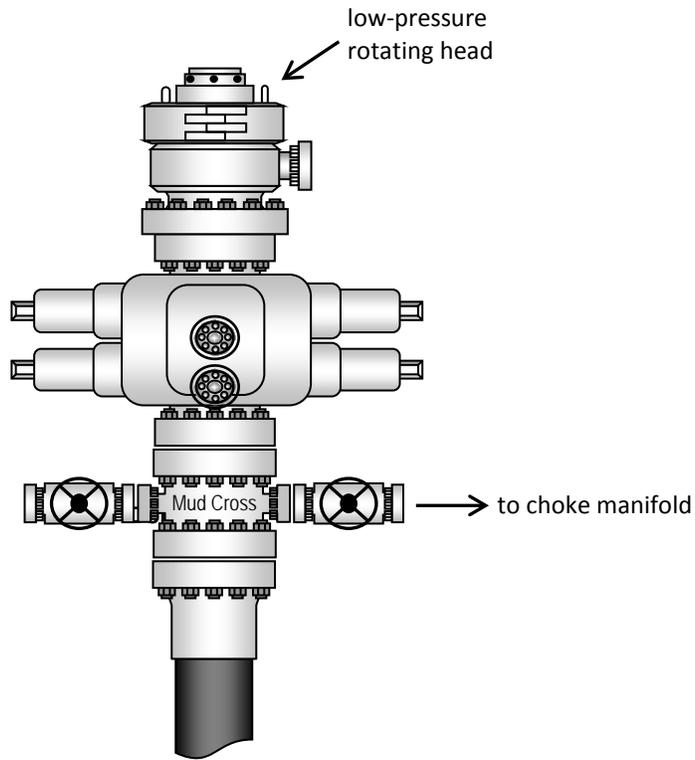
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #F-11-9-17, Section 10, Township 9S, Range 17E: Lease UTU-18043 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage 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 1/16/14

Heather Calder
Production 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 1-10-9-17 PAD

PROPOSED WELLS: I-10-9-17 AND F-11-9-17

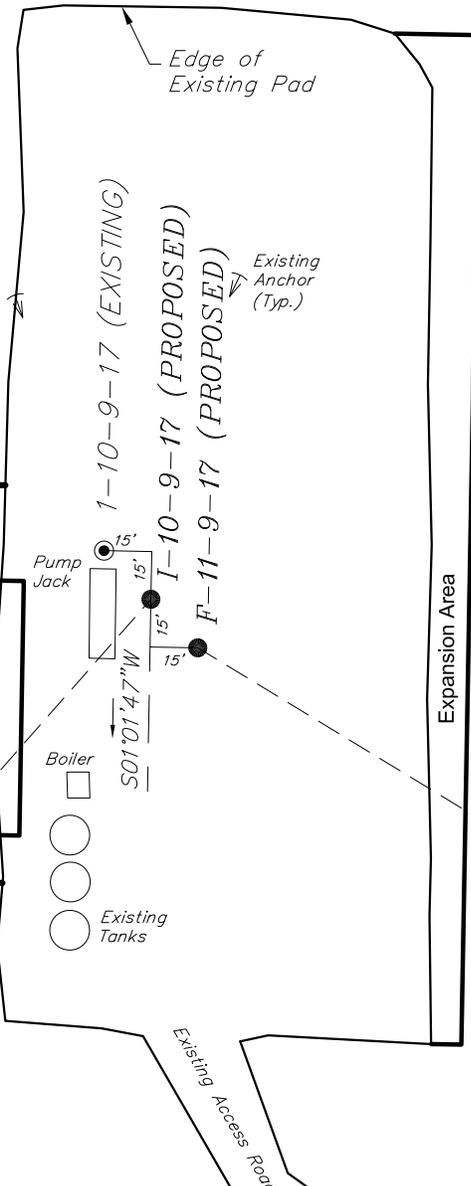
Pad Location: NENE Section 10, T9S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

I-10-9-17
830' FNL & 756' FEL

F-11-9-17
846' FNL & 742' FEL



LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
I-10-9-17	40° 03' 01.64"	109° 59' 09.78"
I-10-9-17	40° 03' 01.49"	109° 59' 09.59"
F-11-9-17	40° 03' 01.33"	109° 59' 09.41"

LATITUDE & LONGITUDE Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
I-10-9-17	40° 02' 55.68"	109° 59' 16.47"
F-11-9-17	40° 02' 55.96"	109° 58' 58.35"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
I-10-9-17	40° 02' 54.15"	109° 59' 18.29"
F-11-9-17	40° 02' 54.28"	109° 58' 54.89"

CENTER OF PATTERN FOOTAGES

I-10-9-17
1420' FNL & 1290' FEL

F-11-9-17
1387' FNL & 120' FWL

BOTTOM HOLE FOOTAGES

I-10-9-17
1576' FNL & 1431' FEL

F-11-9-17
1557' FNL & 389' FWL

S41°21'12"W - 1004.79'
(To Bottom of Hole)

S41°21'12"W - 794.89'
(To Center of Pattern)

S58°40'39"E - 1335.73'
(To Bottom of Hole)

S58°40'39"E - 1017.83'
(To Center of Pattern)

RELATIVE COORDINATES From Top Hole to C.O.P.		
WELL	NORTH	EAST
I-10-9-17	-597'	-525'
F-11-9-17	-529'	869'

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
I-10-9-17	-754'	-664'
F-11-9-17	-694'	1,141'

Note:
Bearings are based on GPS Observations.

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION: V2
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-13	
SCALE: 1" = 60'	REVISED:	

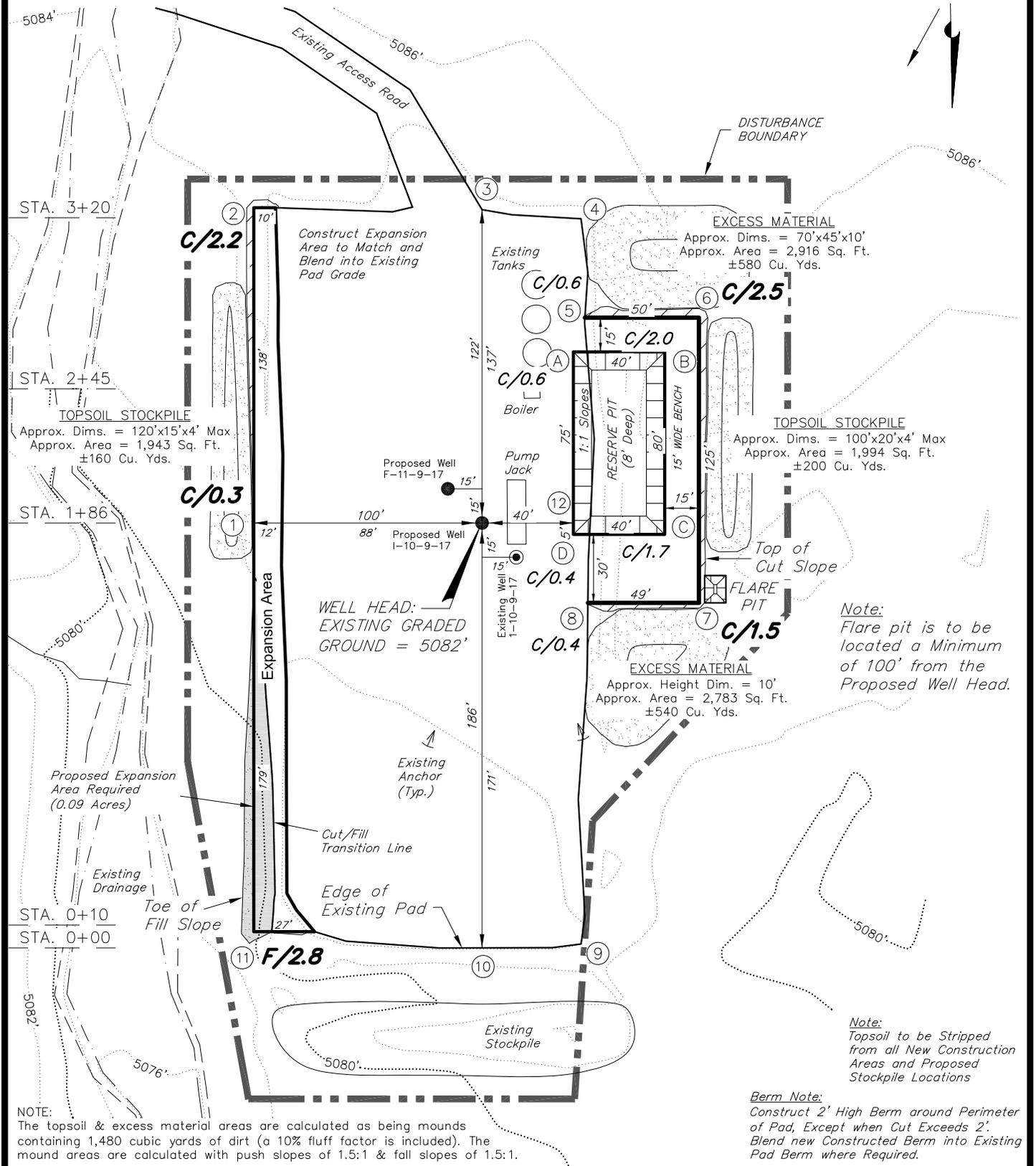
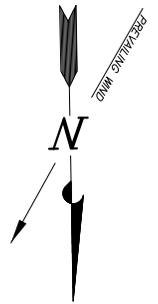
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT EXISTING 1-10-9-17 PAD

PROPOSED WELLS: I-10-9-17 AND F-11-9-17

Pad Location: NENE Section 10, T9S, R17E, S.L.B.&M.



NOTE: The topsoil & excess material areas are calculated as being mounds containing 1,480 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 10-02-13	V2
SCALE: 1" = 60'	REVISED: F.T.M. 11-07-13	

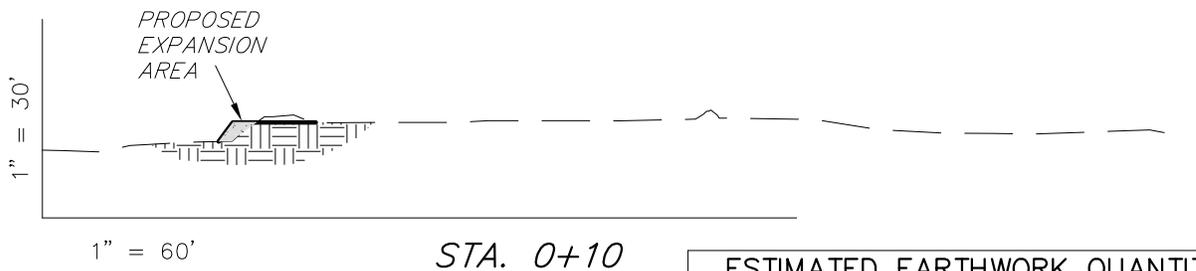
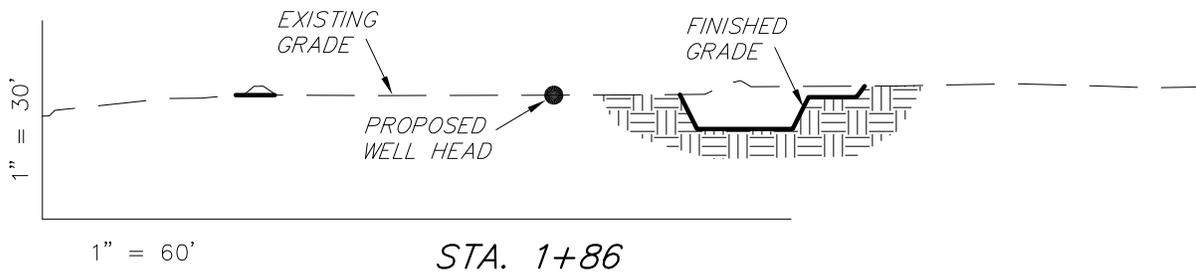
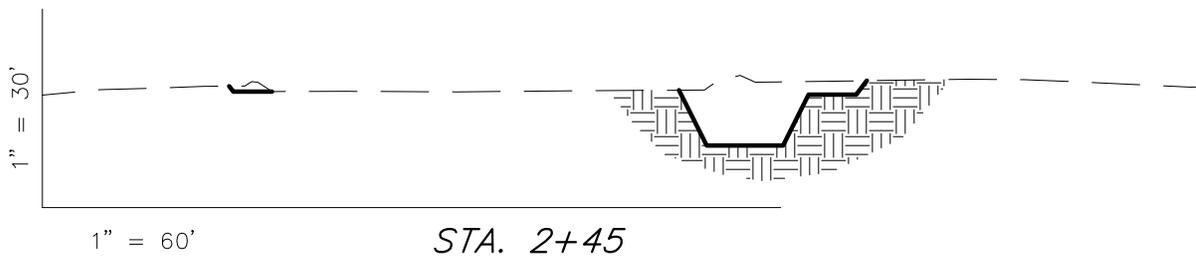
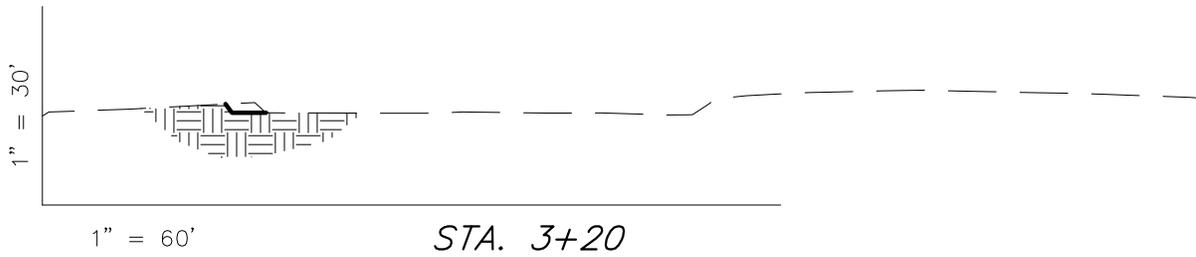
Tri State Land Surveying, Inc. (435) 781-2501
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS EXISTING 1-10-9-17 PAD

PROPOSED WELLS: I-10-9-17 AND F-11-9-17

Pad Location: NENE Section 10, T9S, R17E, S.L.B.&M.



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	410	80	Topsoil is not included in Pad Cut	330
PIT	690	0		690
TOTALS	1,100	80	320	1,020

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-13	V2
SCALE: 1" = 60'	REVISED:	

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

(435) 781-2501

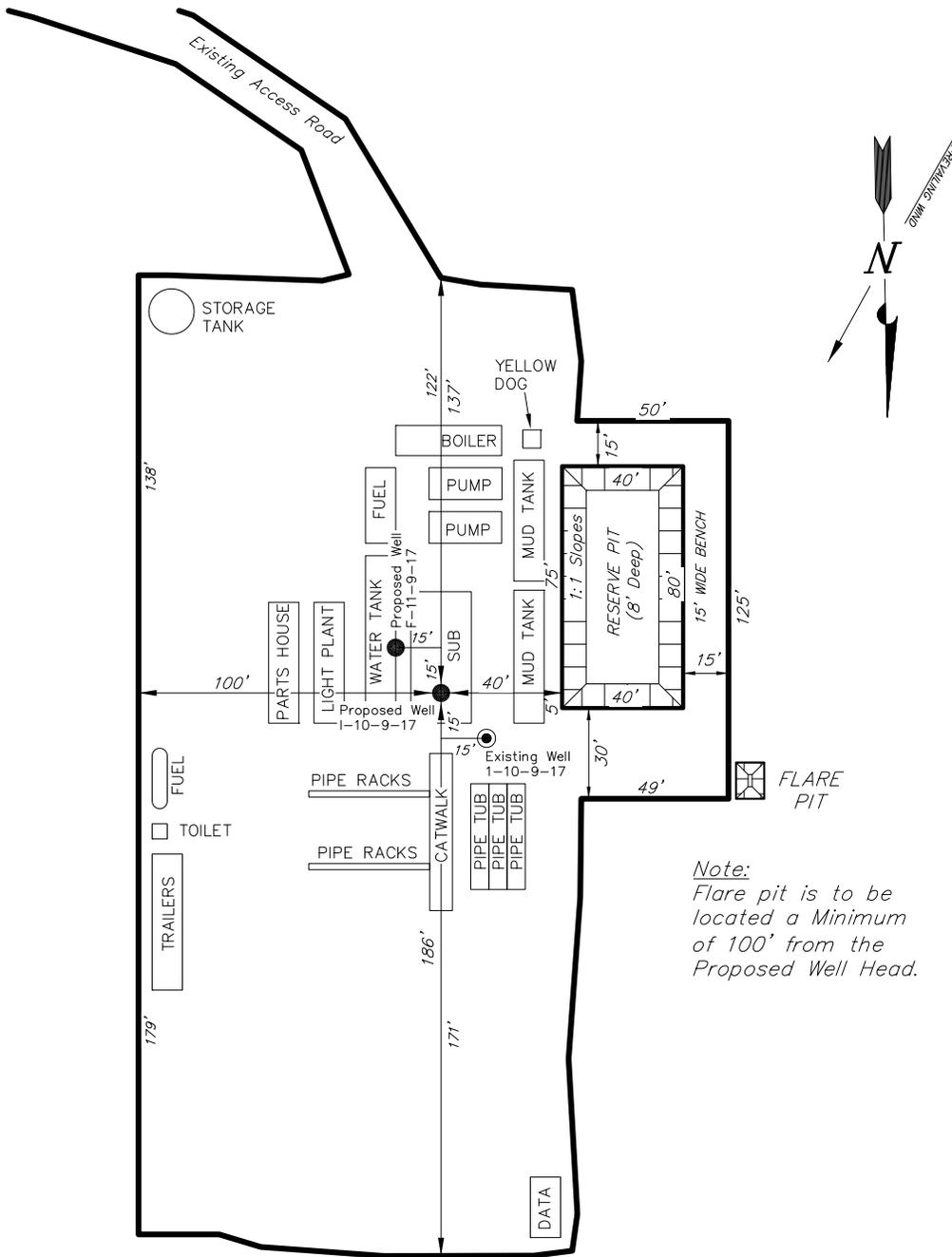
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

EXISTING 1-10-9-17 PAD

PROPOSED WELLS: I-10-9-17 AND F-11-9-17

Pad Location: NENE Section 10, T9S, R17E, S.L.B.&M.



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

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-13	V2
SCALE: 1" = 60'	REVISED:	

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

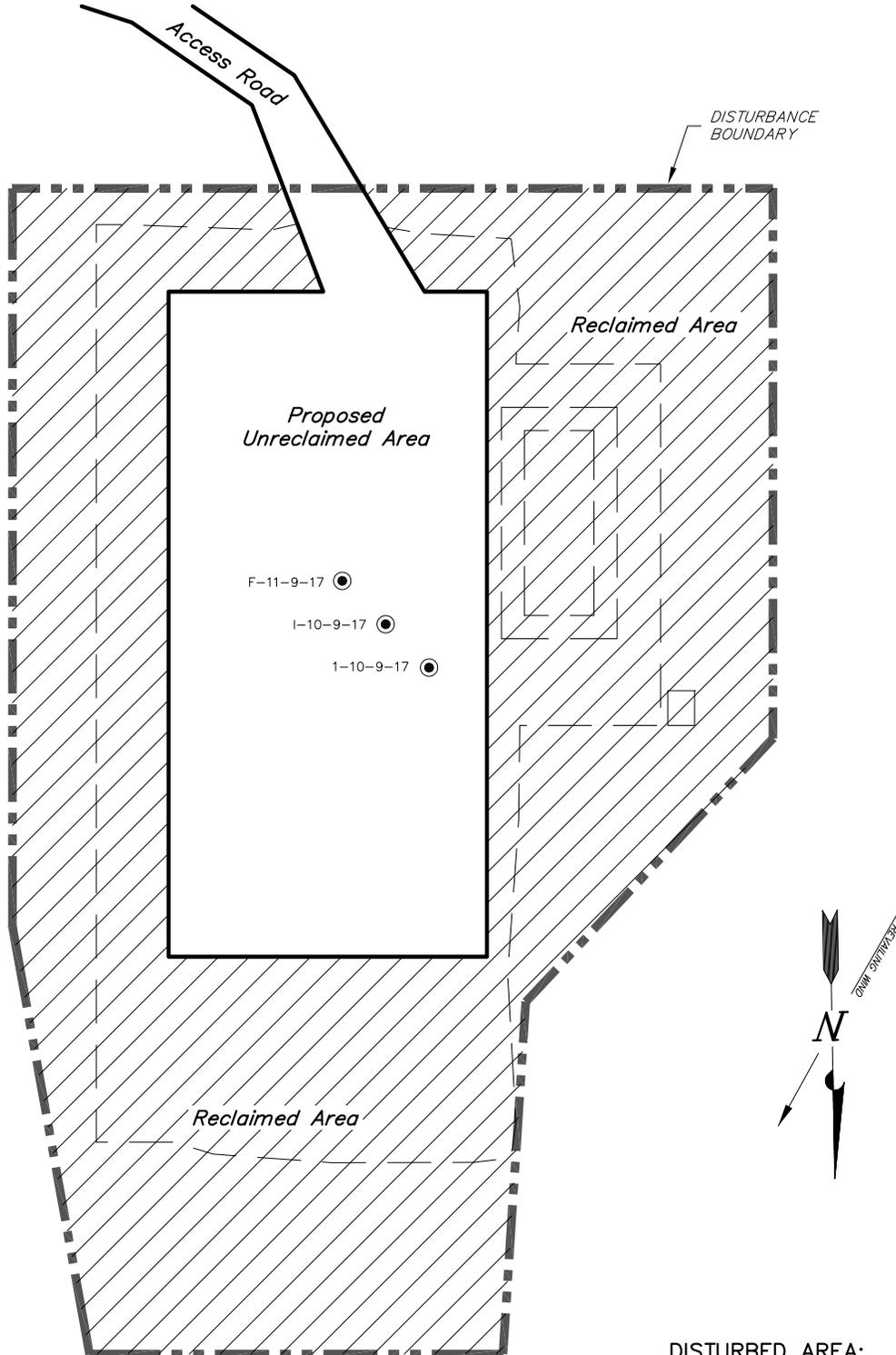
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 1-10-9-17 PAD

PROPOSED WELLS: I-10-9-17 AND F-11-9-17

Pad Location: NENE Section 10, T9S, R17E, 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 = ±2.05 ACRES
 TOTAL RECLAIMED AREA = ±1.44 ACRES
 UNRECLAIMED AREA = ±0.61 ACRES

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-13	V2
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

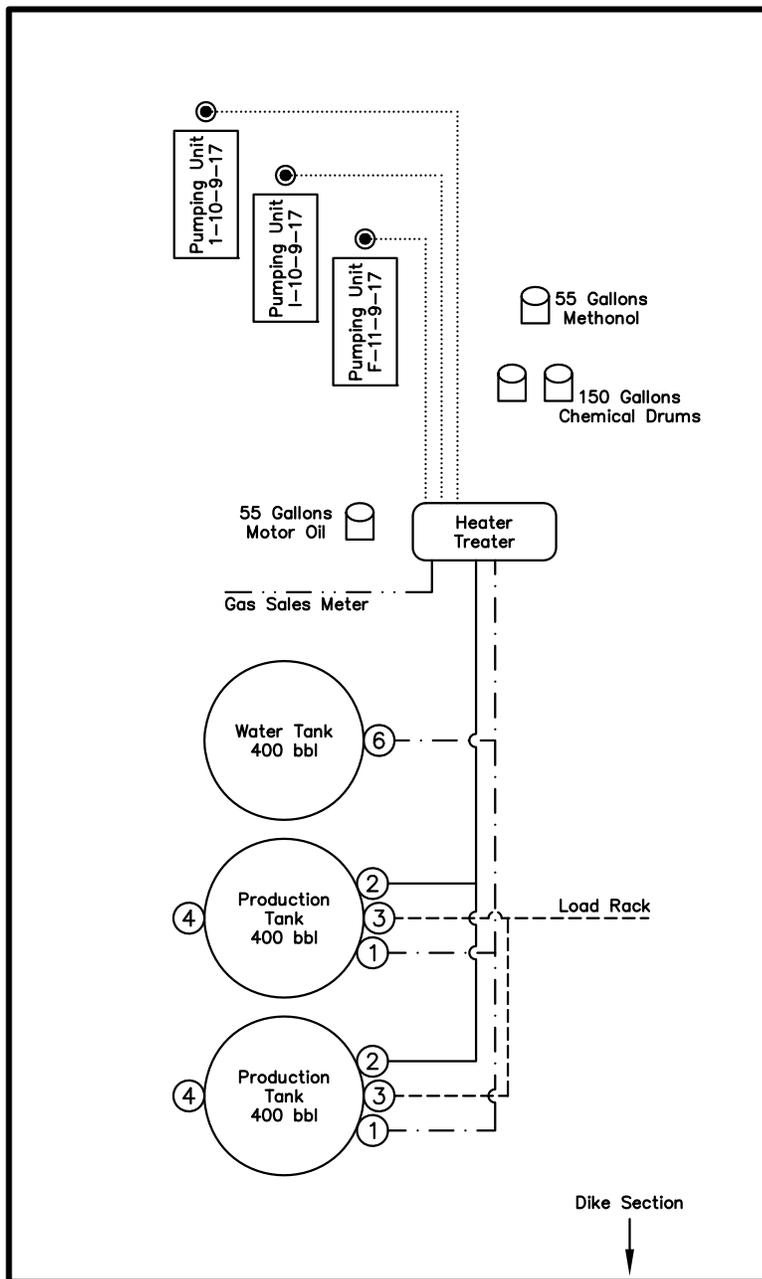
1-10-9-17 PAD

1-10-9-17 UTU-18043

I-10-9-17 UTU-18043

F-11-9-17 UTU-18043

Pad Location: NENE Section 10, T9S, R17E, S.L.B.&M.
Duchesne County, Utah



Legend

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

NOT TO SCALE

SURVEYED BY: G.D.O.	DATE SURVEYED: 10-08-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-13	V2
SCALE: NONE	REVISED:	

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

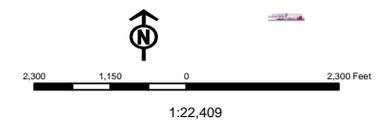
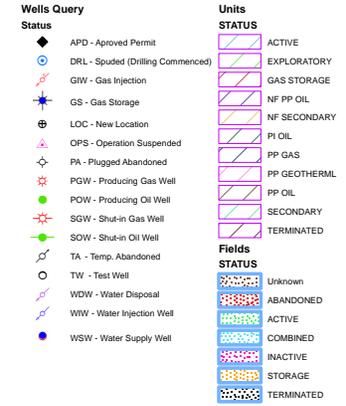
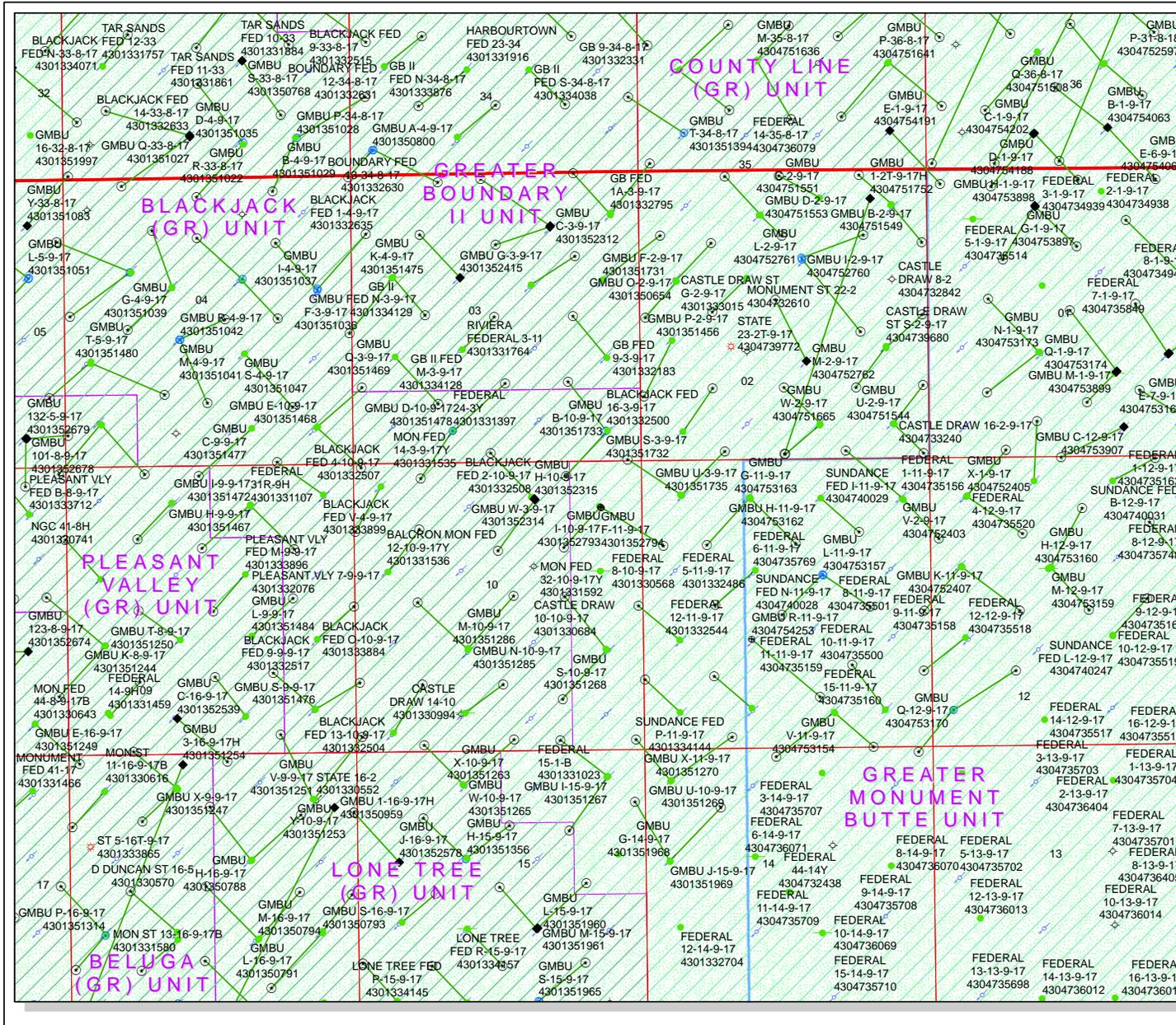
API Number: 4301352794

Well Name: GMBU F-11-9-17

Township: T09.0S Range: R17.0E Section: 10 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 1/22/2014
Map Produced by Diana Mason



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)

January 23, 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)		
43-013-52776	GMBU R-9-9-16	Sec 09 T09S R16E 0759 FSL 1990 FWL
		BHL Sec 09 T09S R16E 1543 FSL 2476 FEL
43-013-52777	GMBU C-16-9-16	Sec 09 T09S R16E 0741 FSL 1980 FWL
		BHL Sec 16 T09S R16E 0147 FNL 2542 FEL
43-013-52778	GMBU S-14-9-16	Sec 14 T09S R16E 0636 FSL 0803 FEL
		BHL Sec 14 T09S R16E 1339 FSL 1352 FEL
43-013-52779	GMBU P-13-9-16	Sec 14 T09S R16E 0644 FSL 0783 FEL
		BHL Sec 13 T09S R16E 1541 FSL 0248 FWL
43-013-52780	GMBU 125-36-8-16	Sec 36 T08S R16E 0672 FSL 0818 FEL
		BHL Sec 36 T08S R16E 1439 FSL 0721 FEL
43-013-52781	GMBU 119-32-8-17	Sec 32 T08S R17E 1909 FNL 1936 FWL
		BHL Sec 32 T08S R17E 2461 FSL 1846 FWL
43-013-52782	GMBU 122-8-9-17	Sec 08 T09S R17E 1875 FSL 2576 FWL
		BHL Sec 08 T09S R17E 1823 FSL 2526 FEL
43-013-52783	GMBU F-20-9-16	Sec 19 T09S R16E 0658 FNL 0367 FEL
		BHL Sec 20 T09S R16E 1555 FNL 0056 FWL
43-013-52784	GMBU M-20-9-16	Sec 20 T09S R16E 2157 FSL 2187 FWL
		BHL Sec 20 T09S R16E 2492 FNL 2536 FEL
43-013-52785	GMBU B-29-9-16	Sec 20 T09S R16E 0694 FSL 1945 FEL
		BHL Sec 29 T09S R16E 0161 FNL 1102 FEL

API #	WELL NAME	LOCATION						
(Proposed PZ GREEN RIVER)								
43-013-52786	GMBU P-21-9-16	Sec 20	T09S	R16E	0747	FSL	0894	FEL
		BHL Sec 21	T09S	R16E	1531	FSL	0303	FWL
43-013-52787	GMBU C-29-9-16	Sec 20	T09S	R16E	0678	FSL	1960	FEL
		BHL Sec 29	T09S	R16E	0156	FNL	2442	FWL
43-013-52788	GMBU E-28-9-16	Sec 20	T09S	R16E	0731	FSL	0908	FEL
		BHL Sec 28	T09S	R16E	0139	FNL	0245	FWL
43-013-52789	GMBU C-27-9-16	Sec 22	T09S	R16E	0506	FSL	2027	FWL
		BHL Sec 27	T09S	R16E	0083	FNL	2497	FEL
43-013-52790	GMBU D-27-9-16	Sec 22	T09S	R16E	0495	FSL	2009	FWL
		BHL Sec 27	T09S	R16E	0070	FNL	1048	FWL
43-013-52791	GMBU K-22-9-16	Sec 23	T09S	R16E	2151	FSL	0806	FWL
		BHL Sec 22	T09S	R16E	2441	FNL	0340	FEL
43-013-52792	GMBU N-23-9-16	Sec 23	T09S	R16E	2170	FSL	0816	FEL
		BHL Sec 23	T09S	R16E	2508	FNL	1457	FWL
43-013-52793	GMBU I-10-9-17	Sec 10	T09S	R17E	0830	FNL	0756	FEL
		BHL Sec 10	T09S	R17E	1576	FNL	1431	FEL
43-013-52794	GMBU F-11-9-17	Sec 10	T09S	R17E	0846	FNL	0742	FEL
		BHL Sec 11	T09S	R17E	1557	FNL	0389	FWL
43-047-54253	GMBU R-11-9-17	Sec 11	T09S	R17E	2002	FSL	1995	FWL
		BHL Sec 11	T09S	R17E	0934	FSL	2033	FEL

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

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

MCoulthard:mc:1-23-14

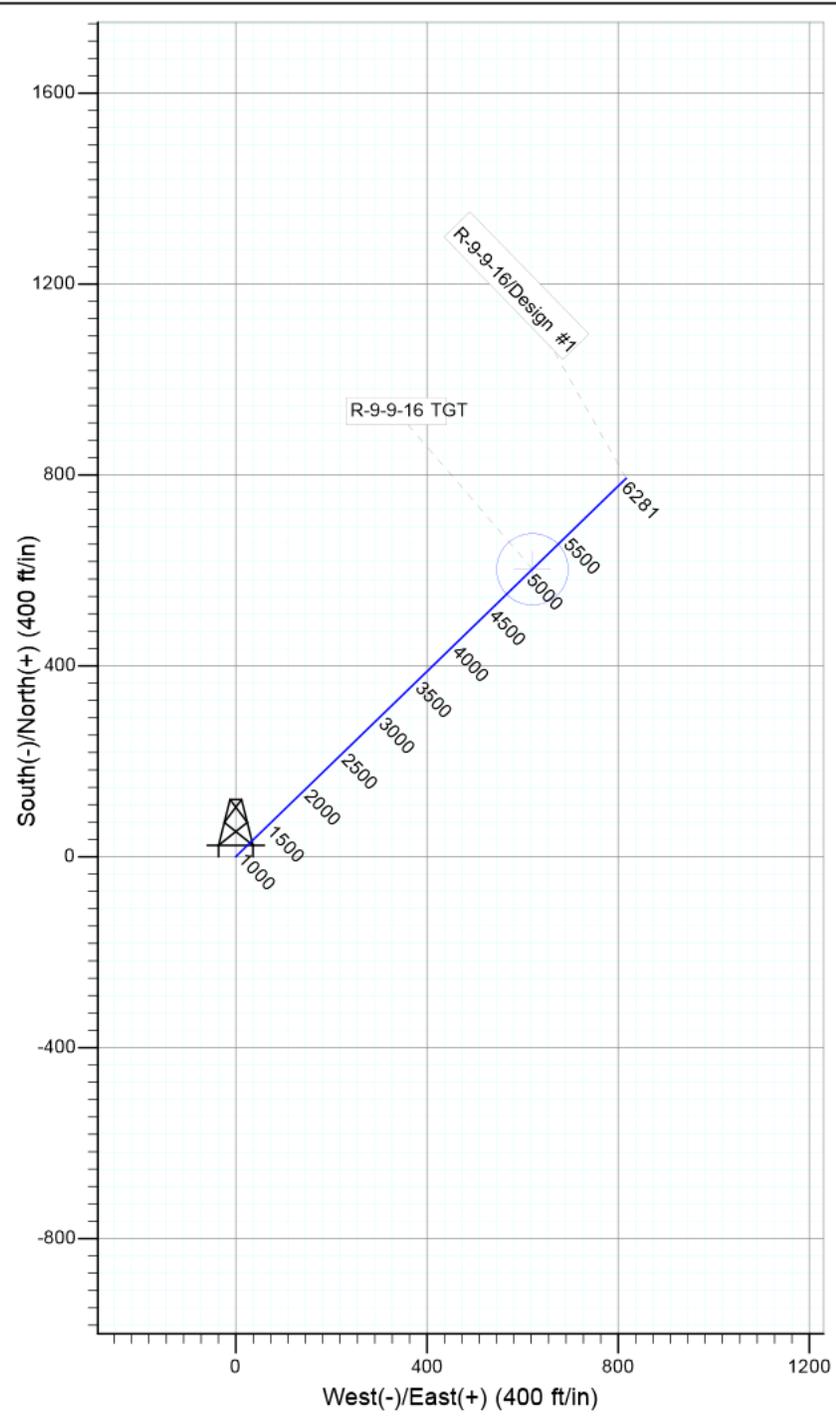
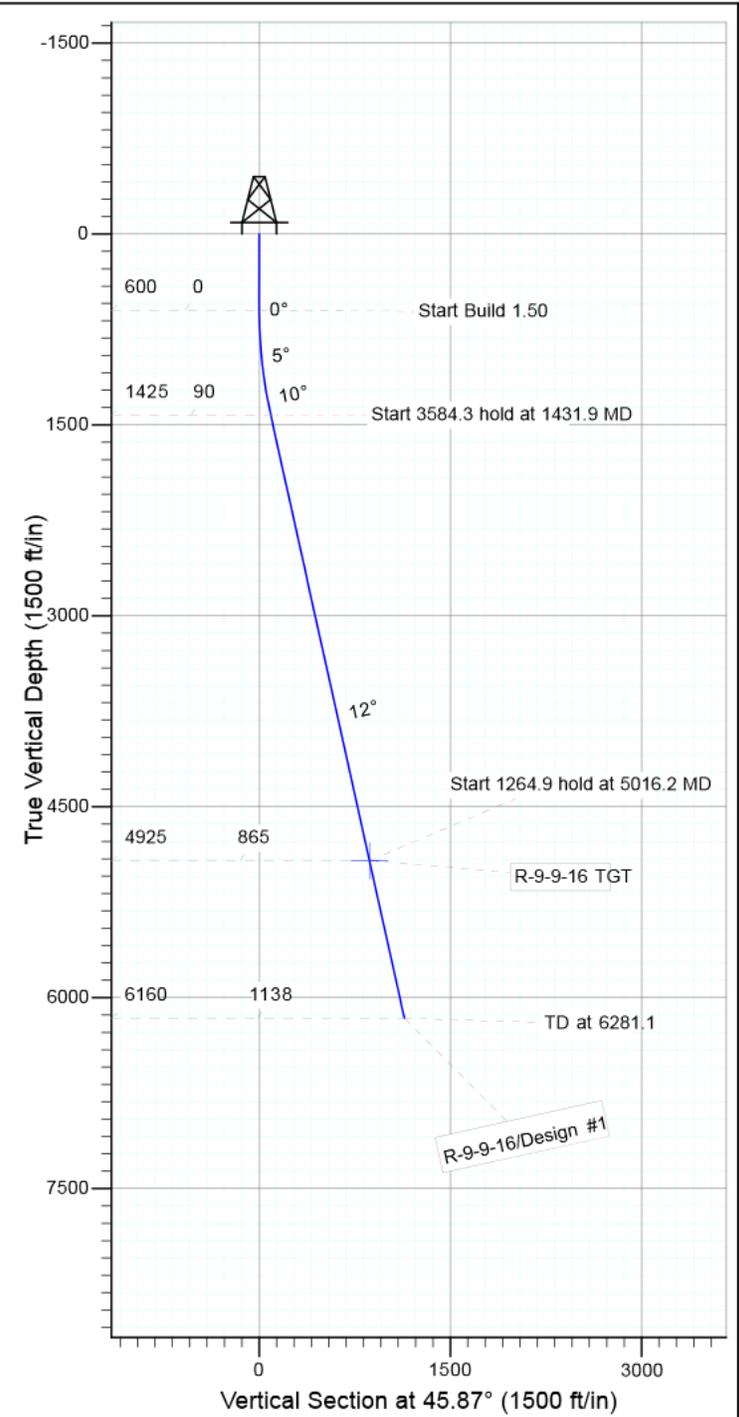


Project: USGS Myton SW (UT)
 Site: SECTION 9 T9S, R16E
 Well: R-9-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52027.3snT
 Dip Angle: 65.72°
 Date: 10/10/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
R-9-9-16 TGT	4925.0	602.1	620.6	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1431.9	12.48	45.87	1425.4	62.8	64.8	1.50	45.87	90.2	
4	5016.2	12.48	45.87	4925.0	602.1	620.6	0.00	0.00	864.7	R-9-9-16 TGT
5	6281.1	12.48	45.87	6160.0	792.5	816.8	0.00	0.00	1138.1	



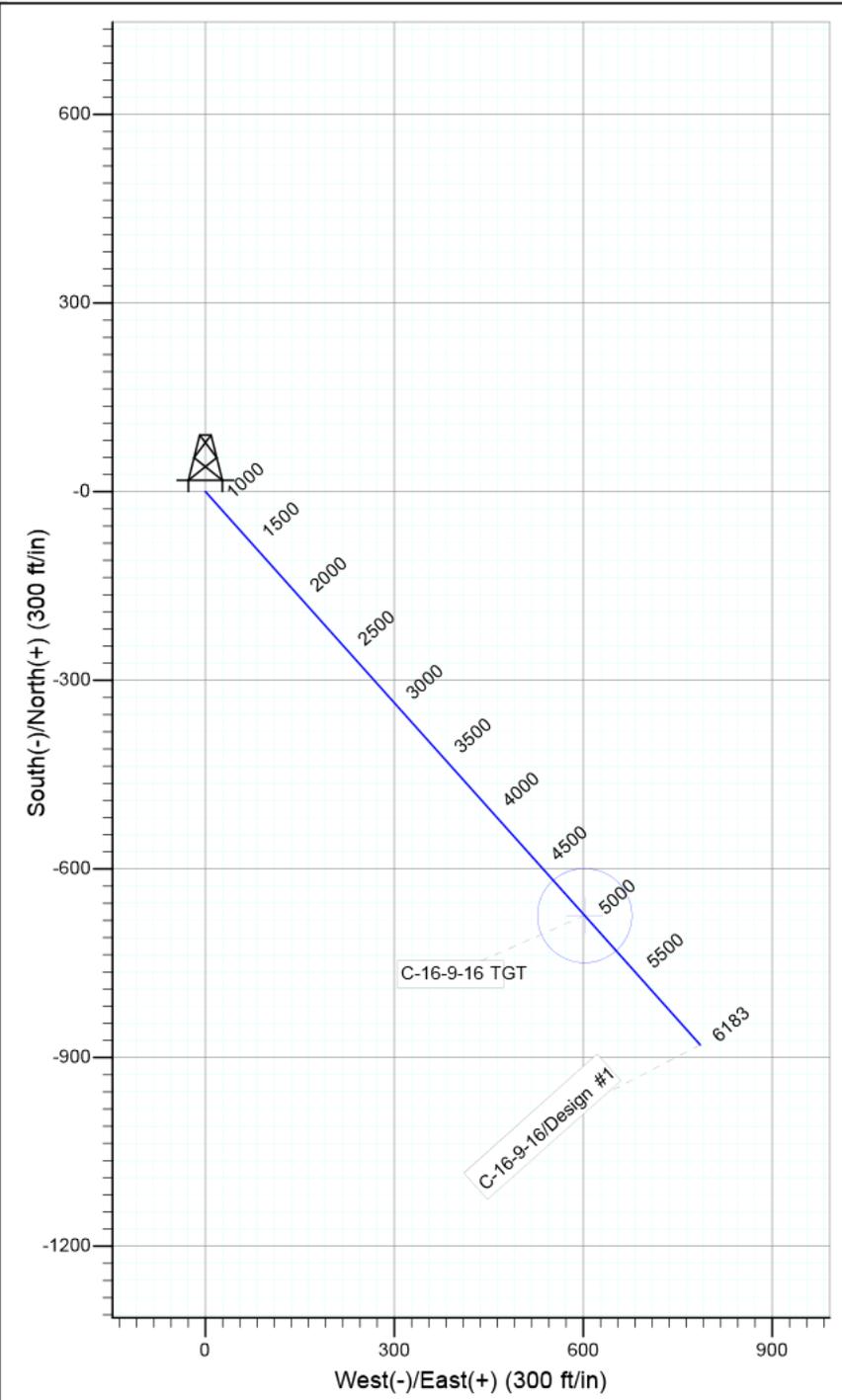
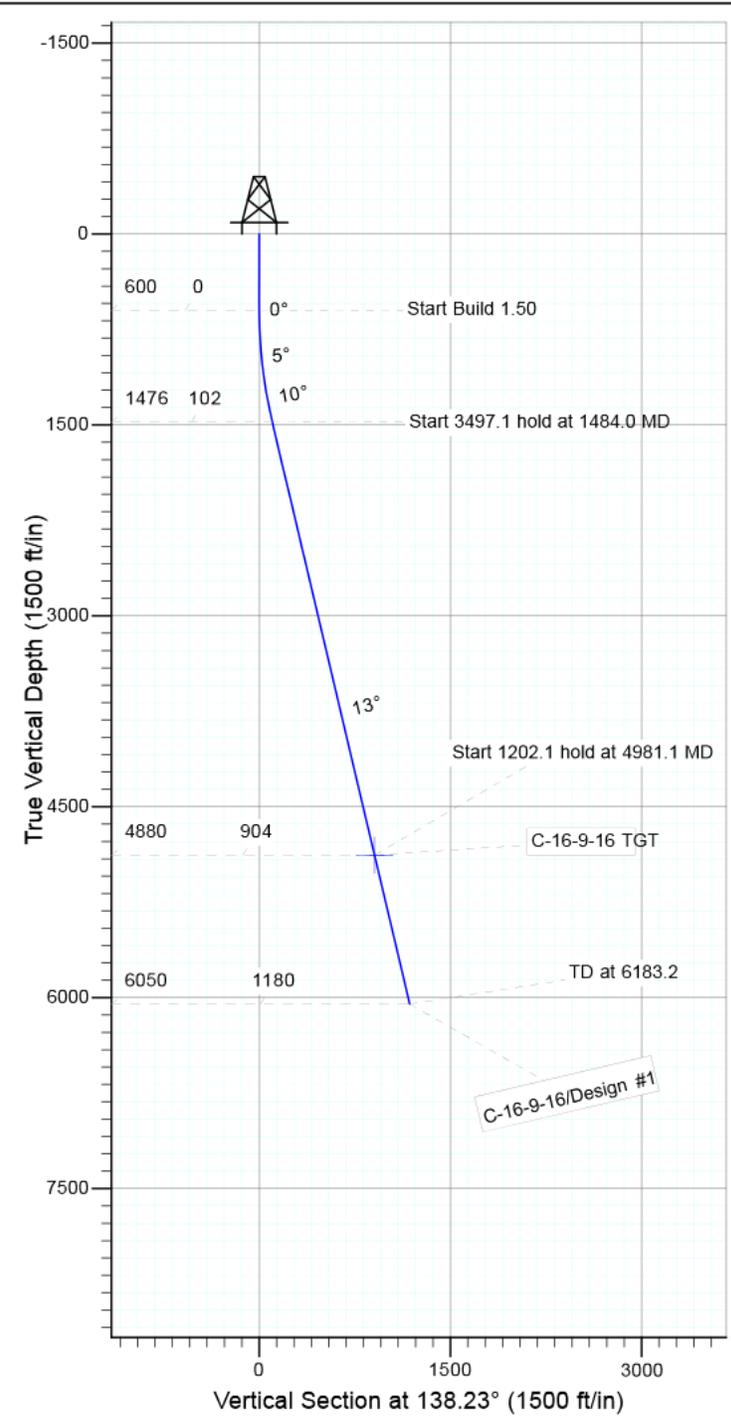


Project: USGS Myton SW (UT)
 Site: SECTION 9 T9S, R16E
 Well: C-16-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52027.2snT
 Dip Angle: 65.72°
 Date: 10/10/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-16-9-16 TGT	4880.0	-674.2	602.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1484.0	13.26	138.23	1476.2	-76.0	67.8	1.50	138.23	101.8	
4	4981.1	13.26	138.23	4880.0	-674.2	602.2	0.00	0.00	904.0	C-16-9-16 TGT
5	6183.2	13.26	138.23	6050.0	-879.9	785.9	0.00	0.00	1179.7	



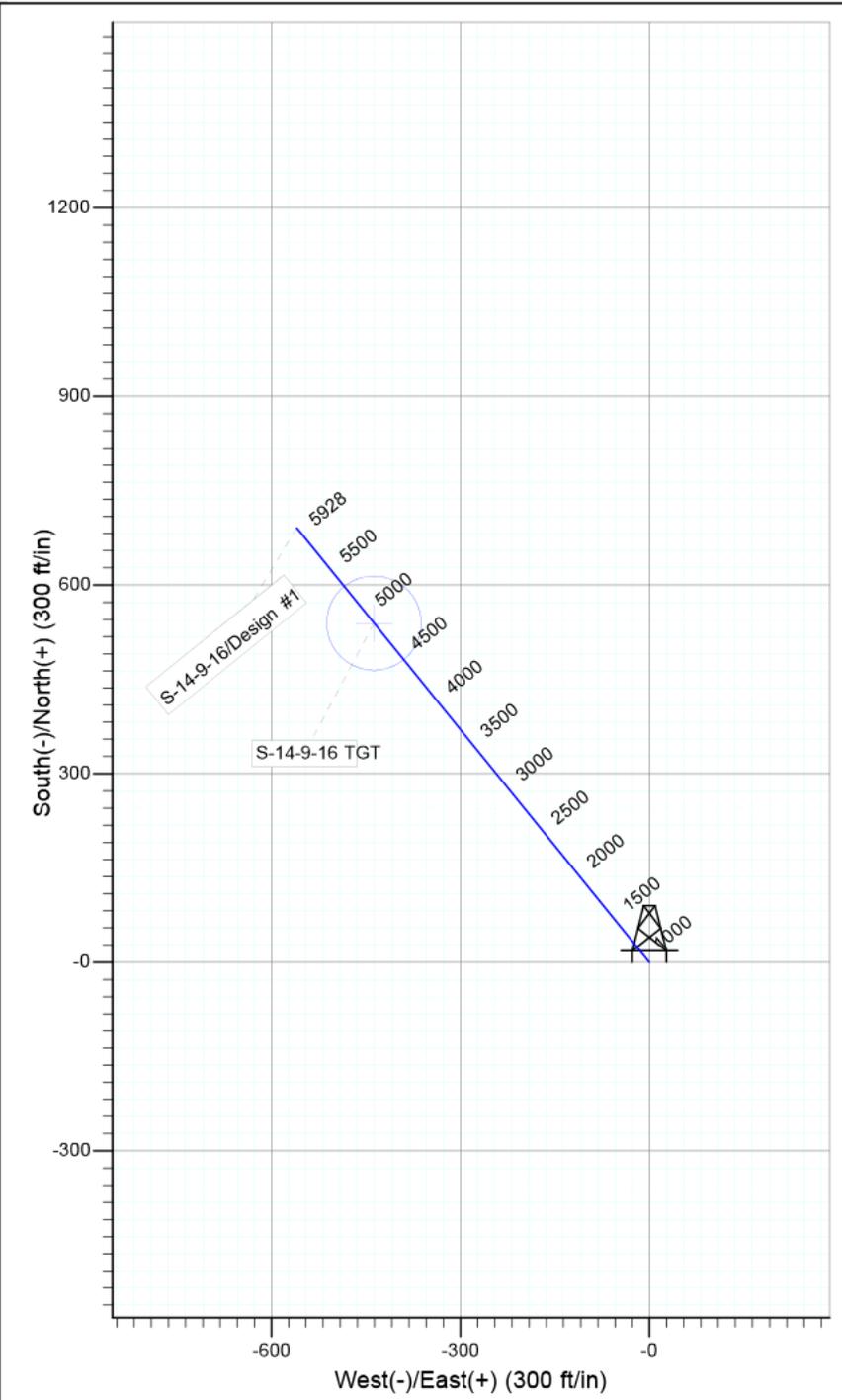
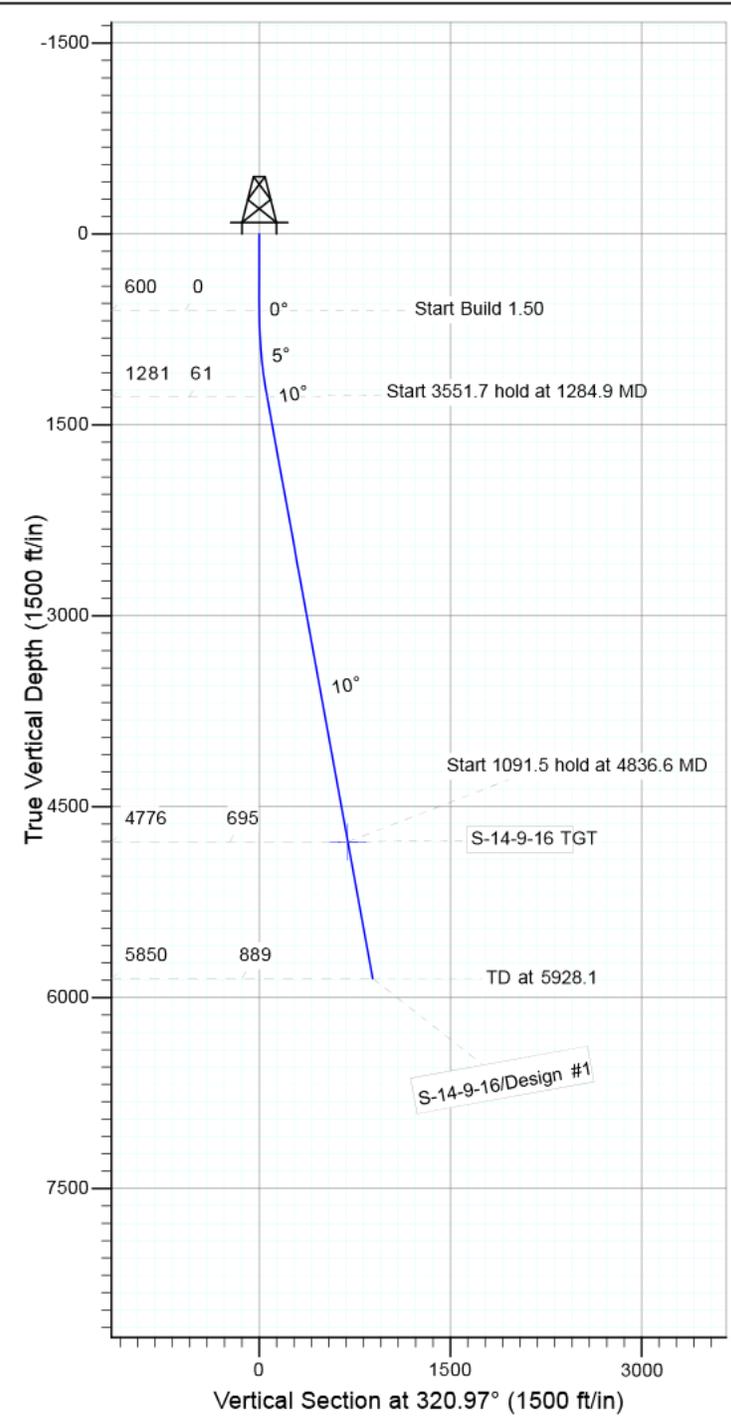


Project: USGS Myton SW (UT)
 Site: SECTION 14 T9S, R16E
 Well: S-14-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.02°

Magnetic Field
 Strength: 52028.0snT
 Dip Angle: 65.72°
 Date: 10/7/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
S-14-9-16 TGT	4776.0	539.6	-437.4	Circle (Radius: 75.0)

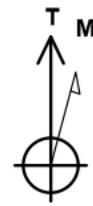
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1284.9	10.27	320.97	1281.2	47.6	-38.6	1.50	320.97	61.2	
4	4836.6	10.27	320.97	4776.0	539.6	-437.4	0.00	0.00	694.6	S-14-9-16 TGT
5	5928.1	10.27	320.97	5850.0	690.8	-560.0	0.00	0.00	889.3	



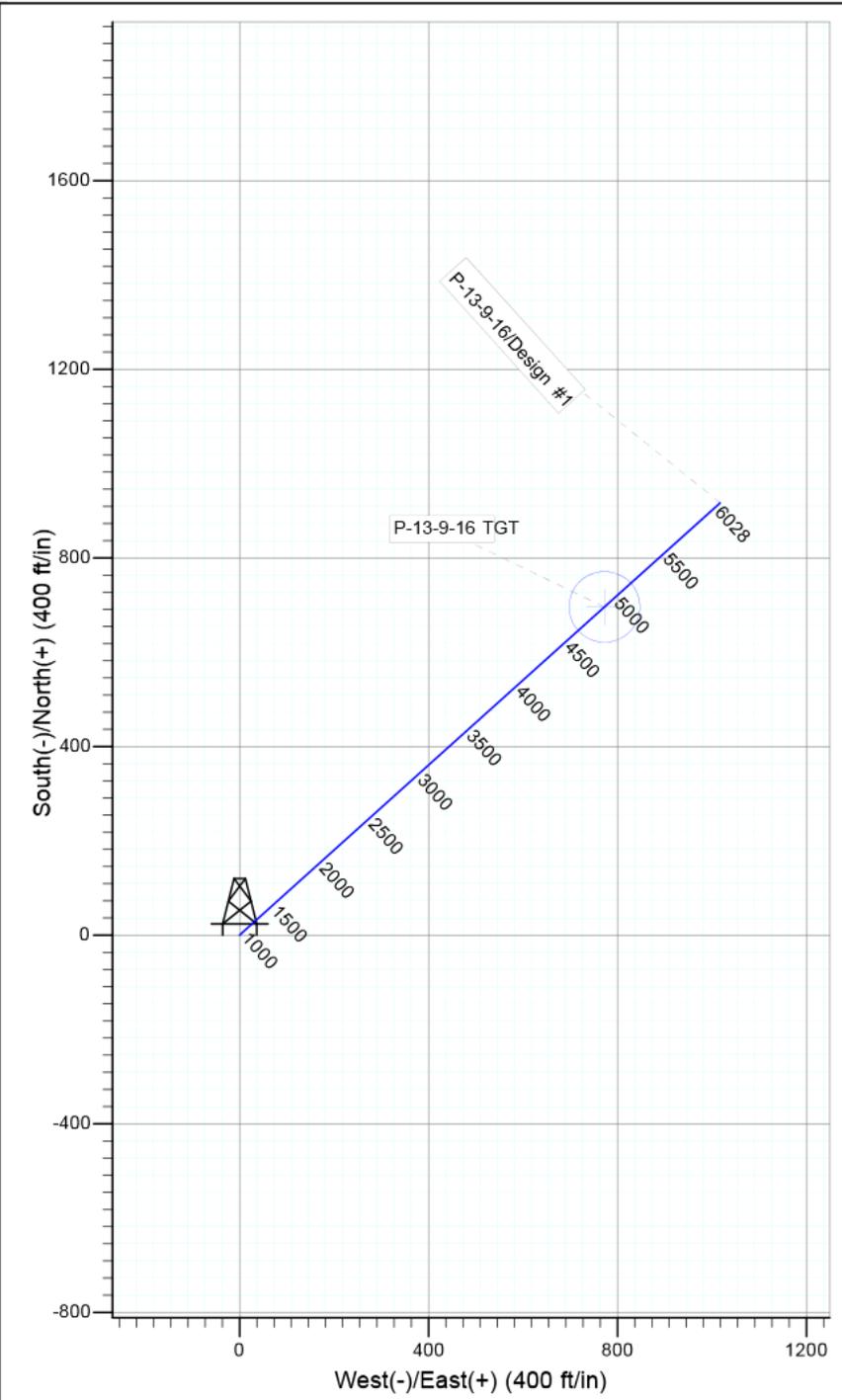
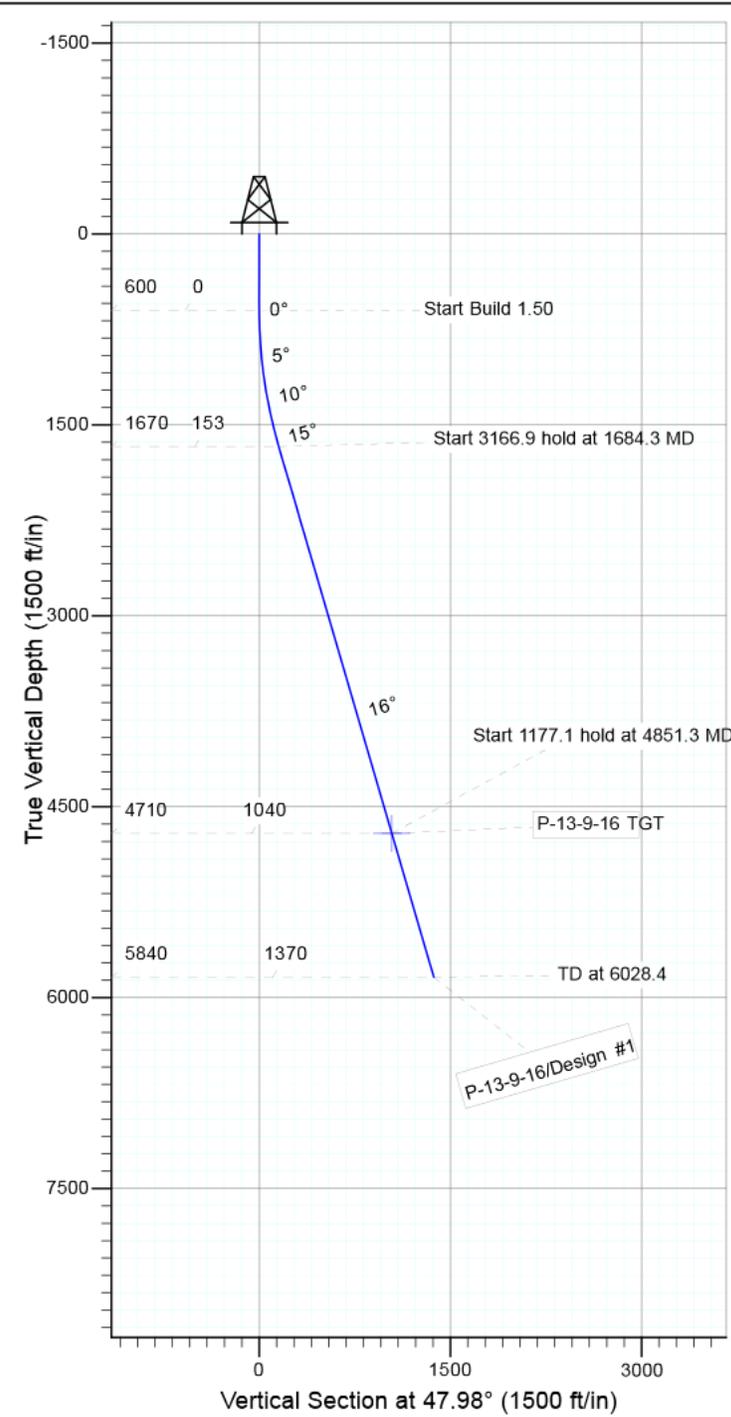


Project: USGS Myton SW (UT)
 Site: SECTION 14 T9S, R16E
 Well: P-13-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.02°

Magnetic Field
 Strength: 52028.0snT
 Dip Angle: 65.72°
 Date: 10/7/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
P-13-9-16 TGT	4710.0	696.1	772.6	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1684.3	16.26	47.98	1669.8	102.3	113.6	1.50	47.98	152.9	
4	4851.3	16.26	47.98	4710.0	696.1	772.6	0.00	0.00	1039.9	P-13-9-16 TGT
5	6028.4	16.26	47.98	5840.0	916.7	1017.5	0.00	0.00	1369.6	



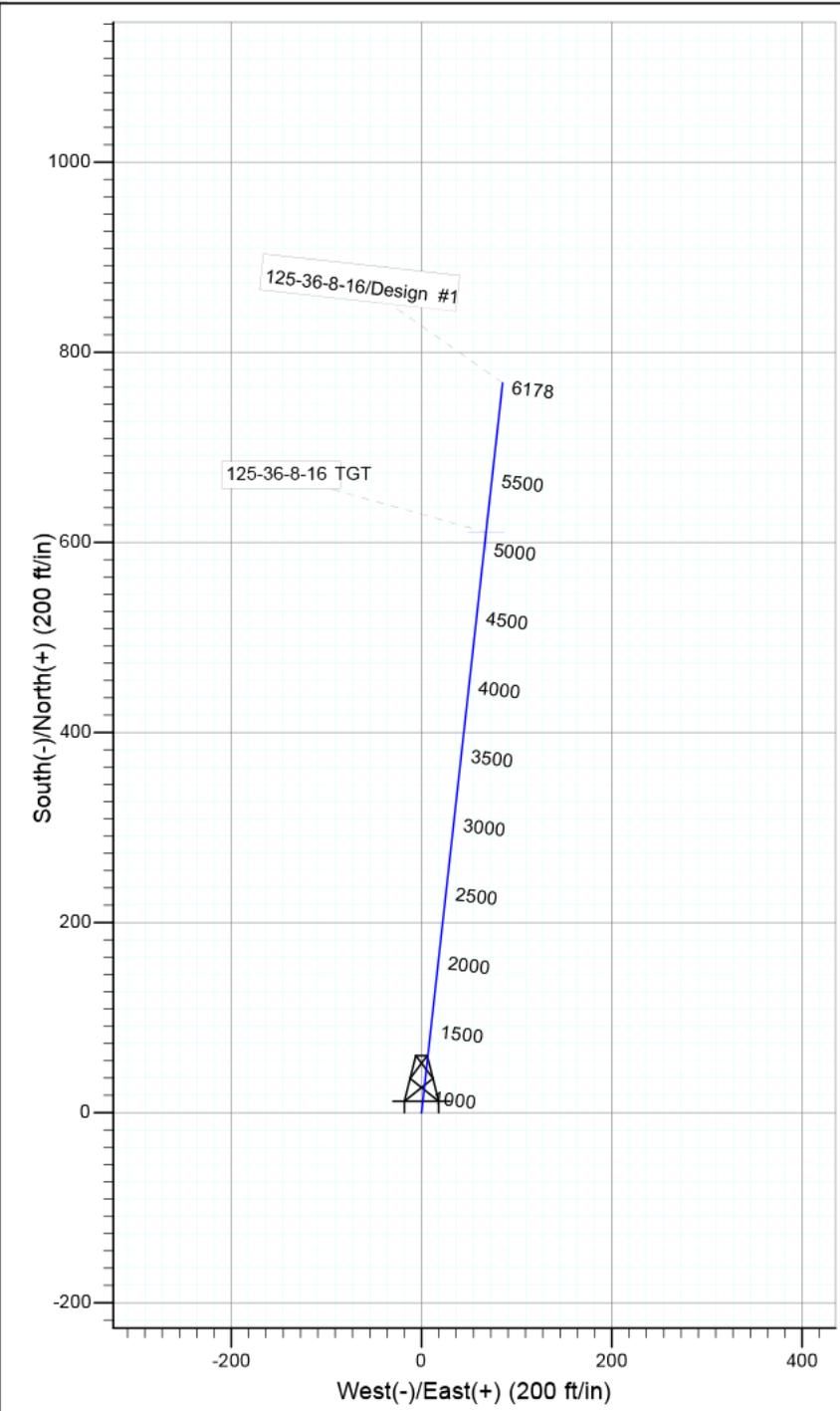
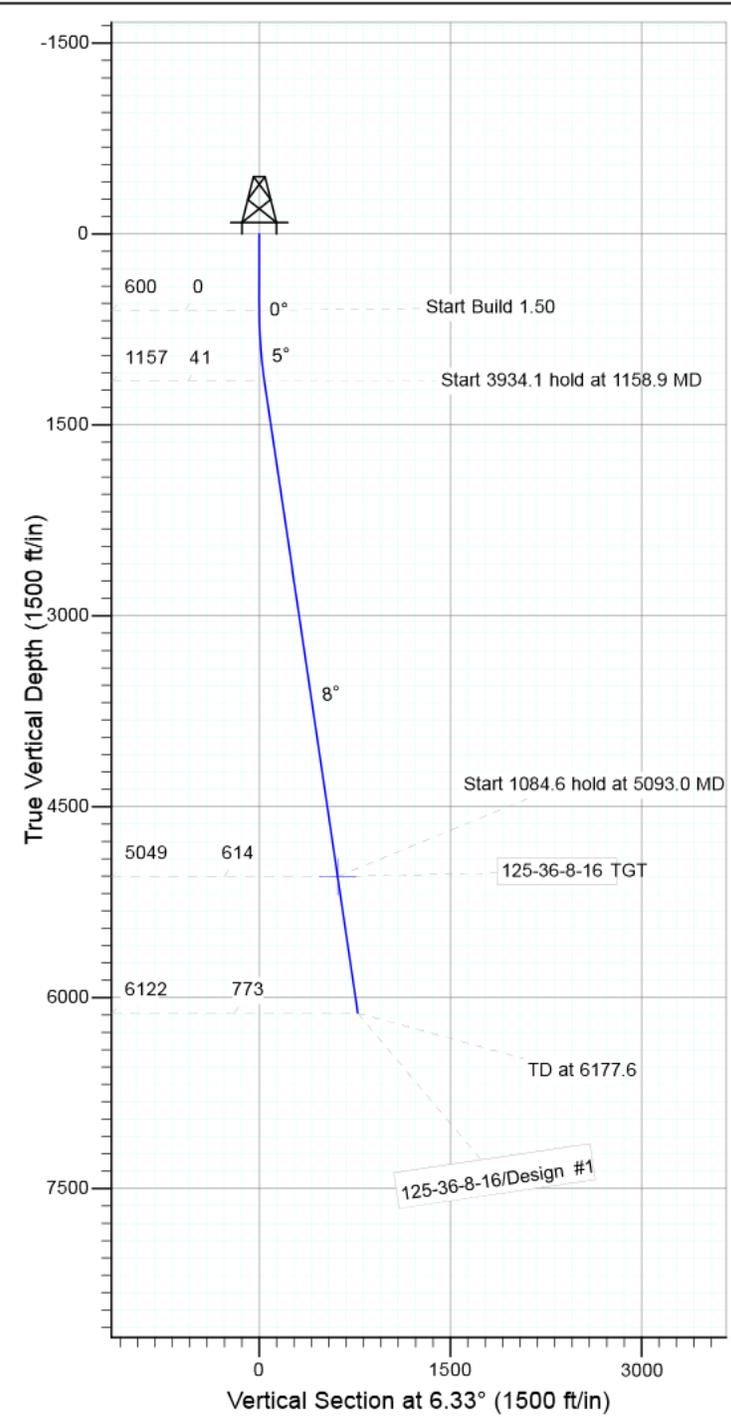


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 125-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.03°

Magnetic Field
 Strength: 52068.0snT
 Dip Angle: 65.76°
 Date: 8/26/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
125-36-8-16 TGT	5049.0	610.7	67.7	Point

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	1158.9	8.38	6.33	1156.9	40.6	4.5	1.50	6.33	40.8	
4	5093.0	8.38	6.33	5049.0	610.7	67.7	0.00	0.00	614.4	125-36-8-16 TGT
5	6177.6	8.38	6.33	6122.0	767.9	85.2	0.00	0.00	772.6	



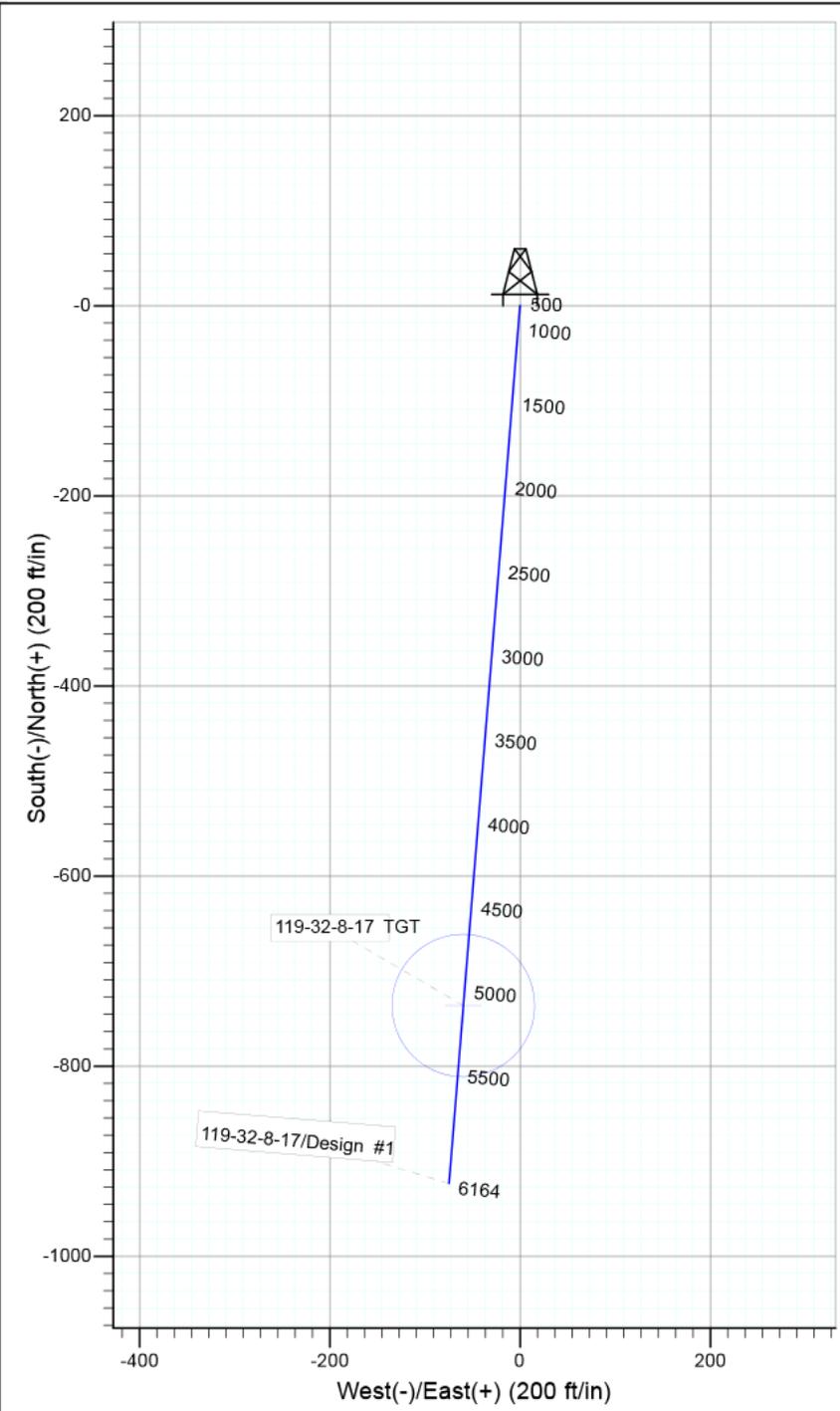
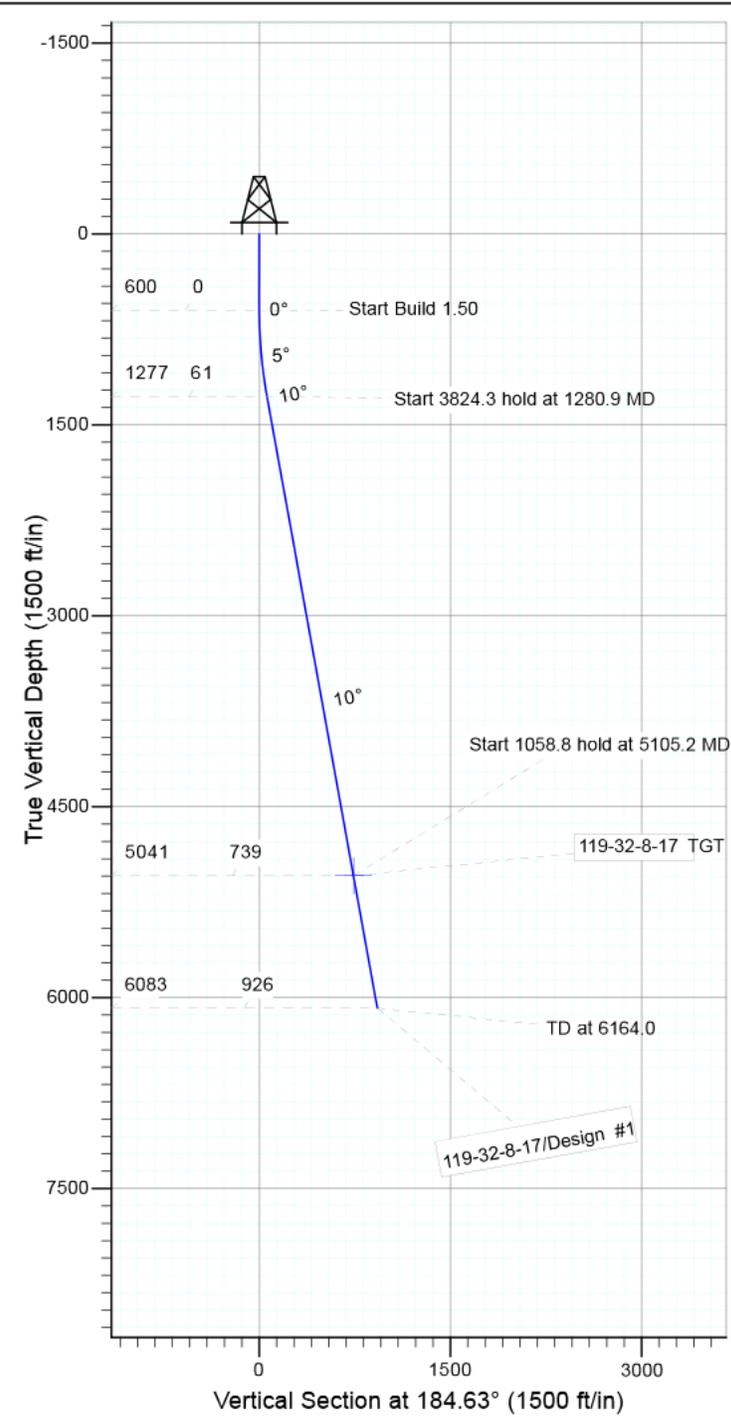


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 119-32-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.05°

Magnetic Field
 Strength: 52092.8snT
 Dip Angle: 65.78°
 Date: 6/27/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
119-32-8-17 TGT	5041.0	-736.3	-59.6	Circle (Radius: 75.0)

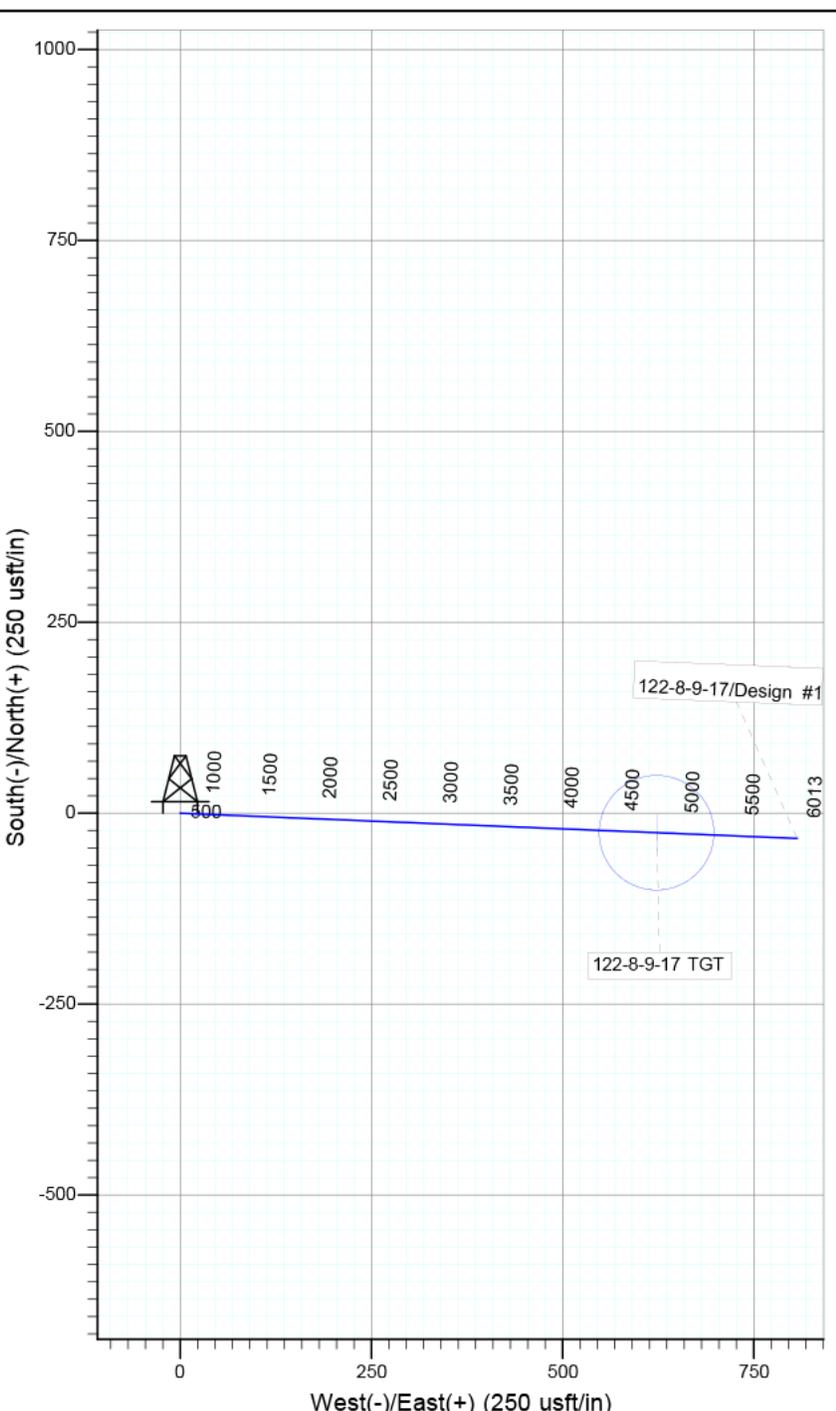
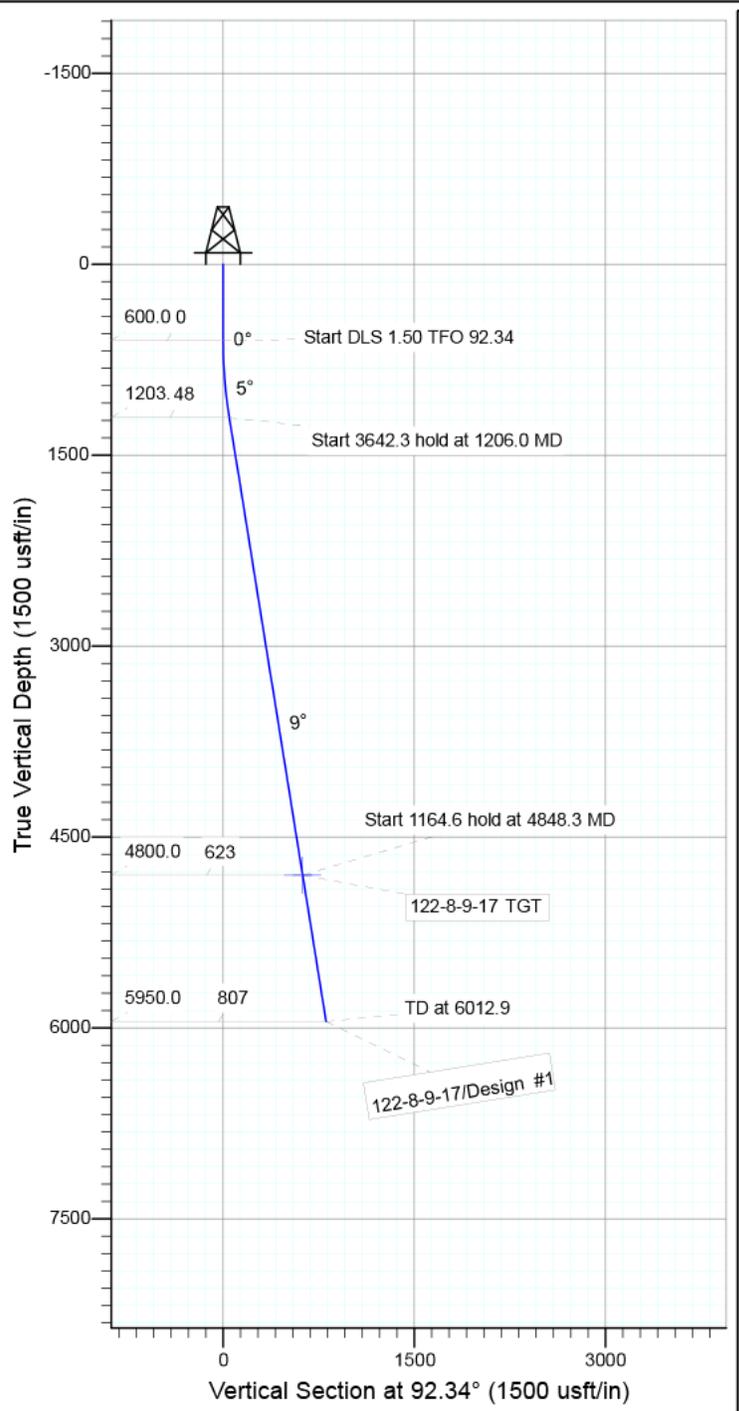
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1280.9	10.21	184.63	1277.3	-60.3	-4.9	1.50	184.63	60.5	
4	5105.2	10.21	184.63	5041.0	-736.3	-59.6	0.00	0.00	738.7	119-32-8-17 TGT
5	6164.0	10.21	184.63	6083.0	-923.4	-74.8	0.00	0.00	926.4	





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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
122-8-9-17 TGT	4800.0	-25.5	622.9	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	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	1206.0	9.09	92.34	1203.5	-2.0	47.9	1.50	92.34	48.0	
4	4848.3	9.09	92.34	4800.0	-25.5	622.9	0.00	0.00	623.4	122-8-9-17 TGT
5	6012.9	9.09	92.34	5950.0	-33.0	806.7	0.00	0.00	807.4	





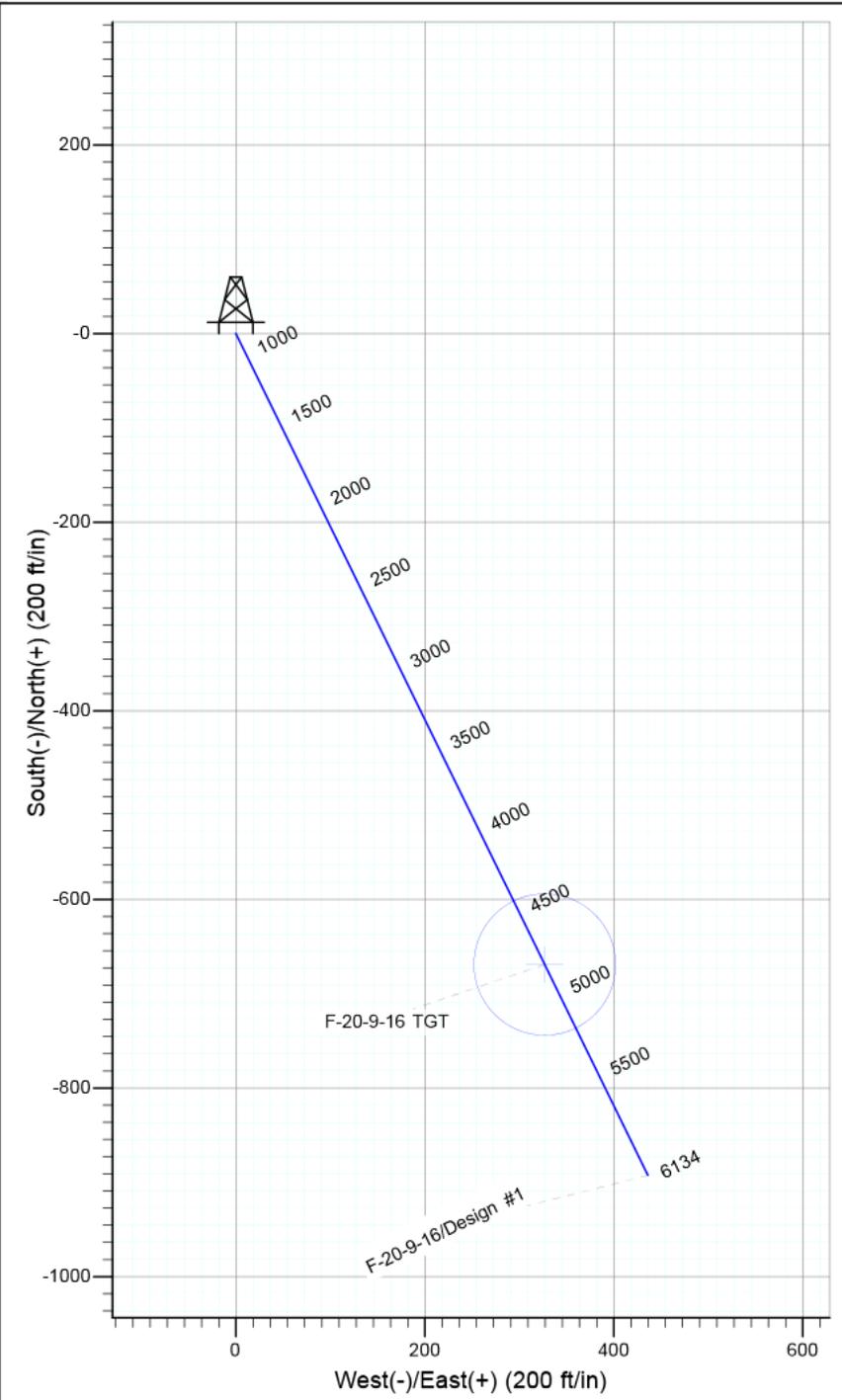
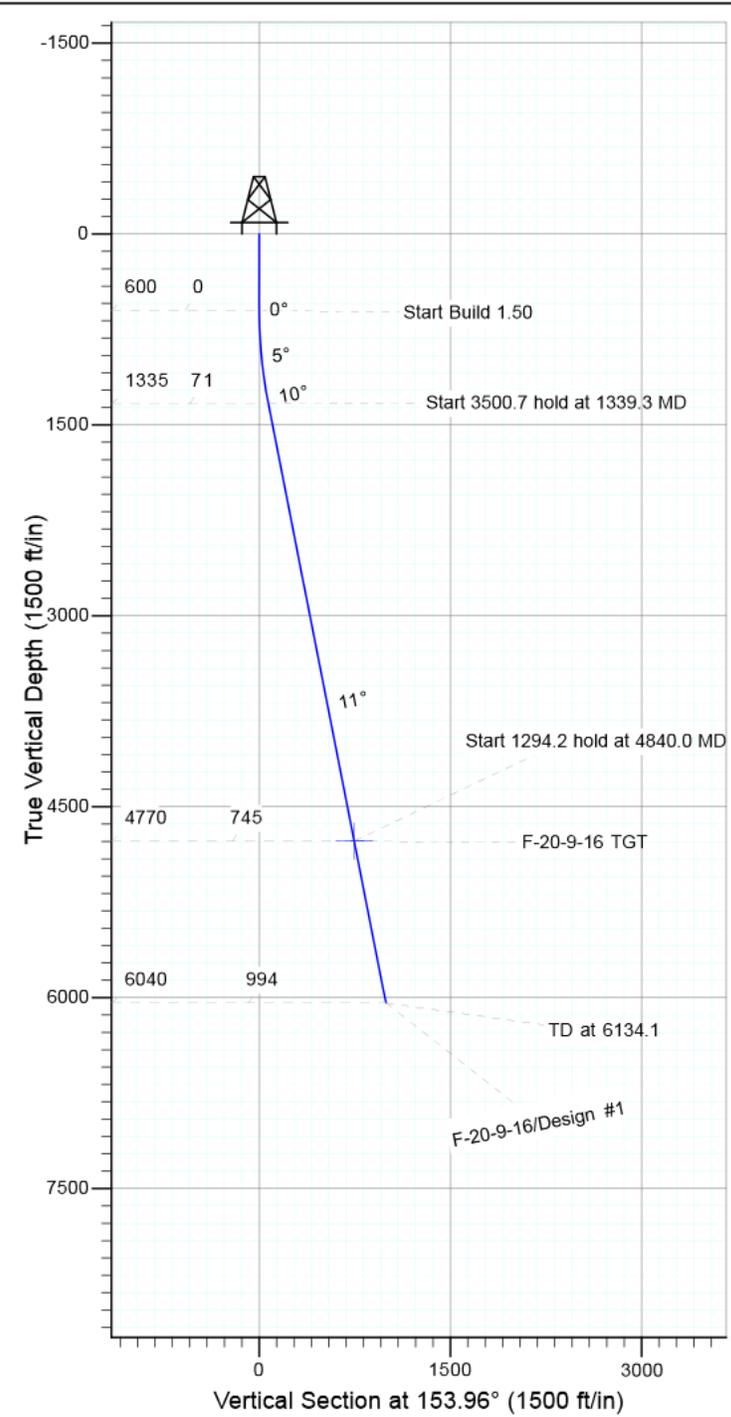
Project: USGS Myton SW (UT)
 Site: SECTION 19 T9S, R16E
 Well: F-20-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.05°

Magnetic Field
 Strength: 52008.0snT
 Dip Angle: 65.70°
 Date: 10/21/2013
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
F-20-9-16 TGT	4770.0	-669.0	326.9	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	1339.3	11.09	153.96	1334.7	-64.1	31.3	1.50	153.96	71.3	
4	4840.0	11.09	153.96	4770.0	-669.0	326.9	0.00	0.00	744.6	F-20-9-16 TGT
5	6134.1	11.09	153.96	6040.0	-892.7	436.2	0.00	0.00	993.5	



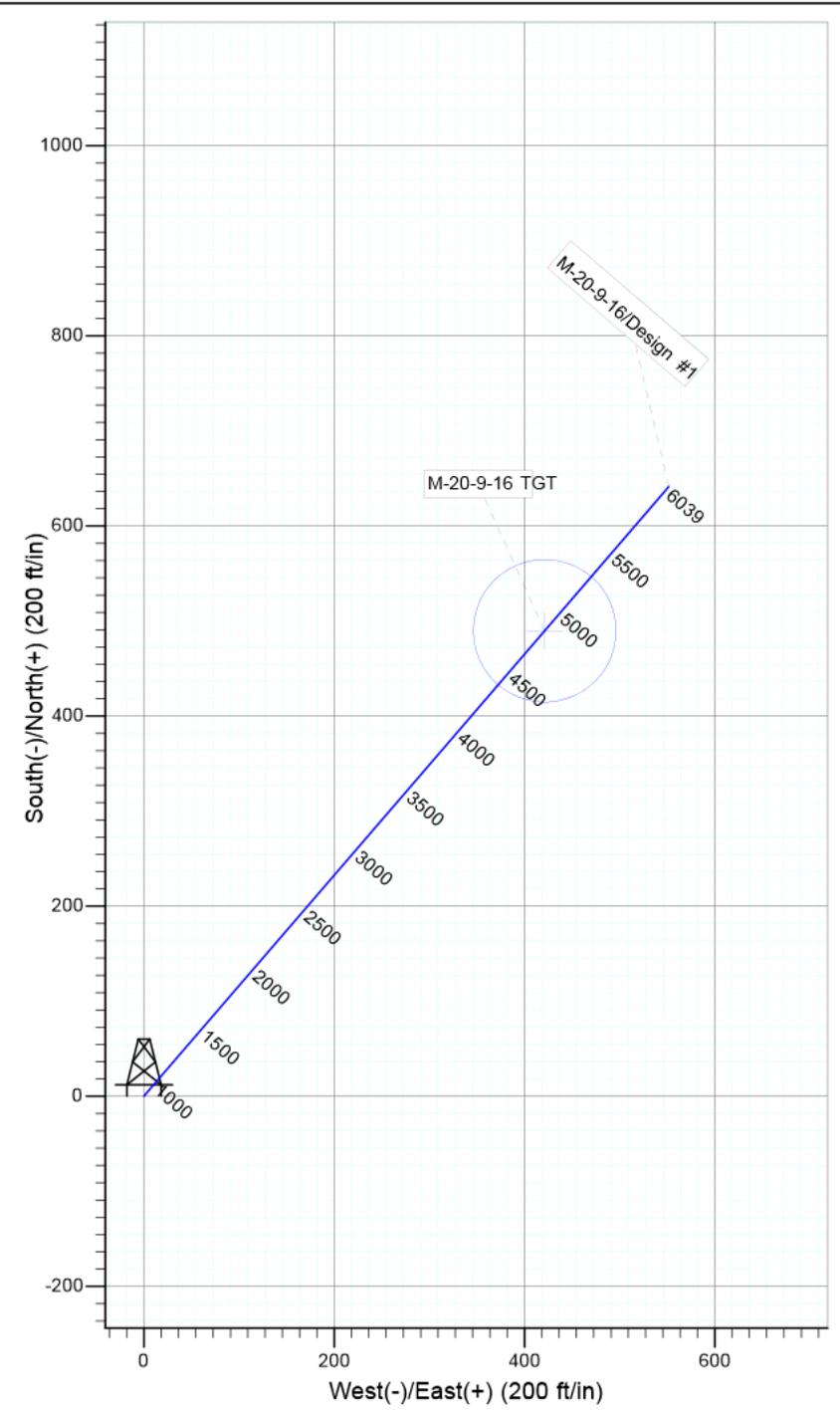
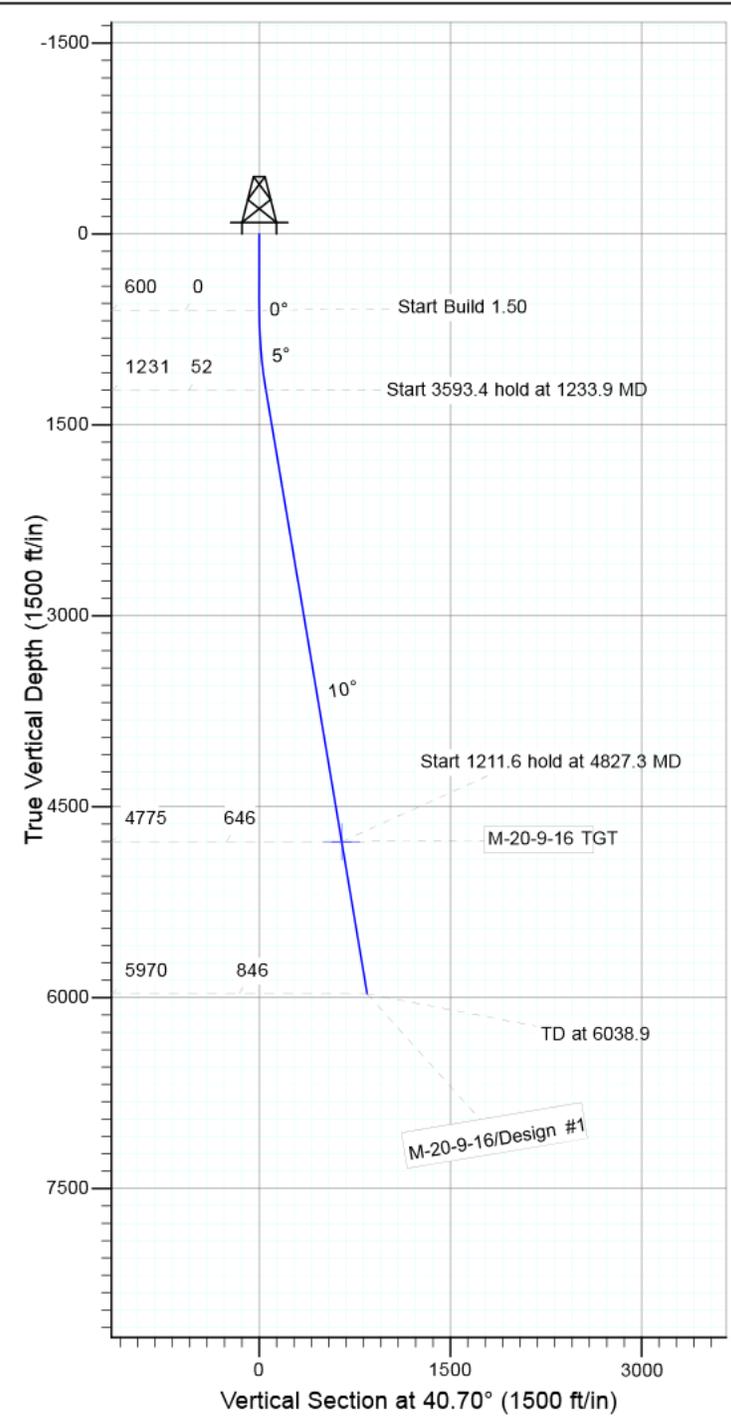


Project: USGS Myton SW (UT)
 Site: SECTION 20 T9, R16
 Well: M-20-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.05°

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
M-20-9-16 TGT	4775.0	489.8	421.3	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	1233.9	9.51	40.70	1231.0	39.8	34.2	1.50	40.70	52.5	
4	4827.3	9.51	40.70	4775.0	489.8	421.3	0.00	0.00	646.0	M-20-9-16 TGT
5	6038.9	9.51	40.70	5970.0	641.5	551.8	0.00	0.00	846.2	



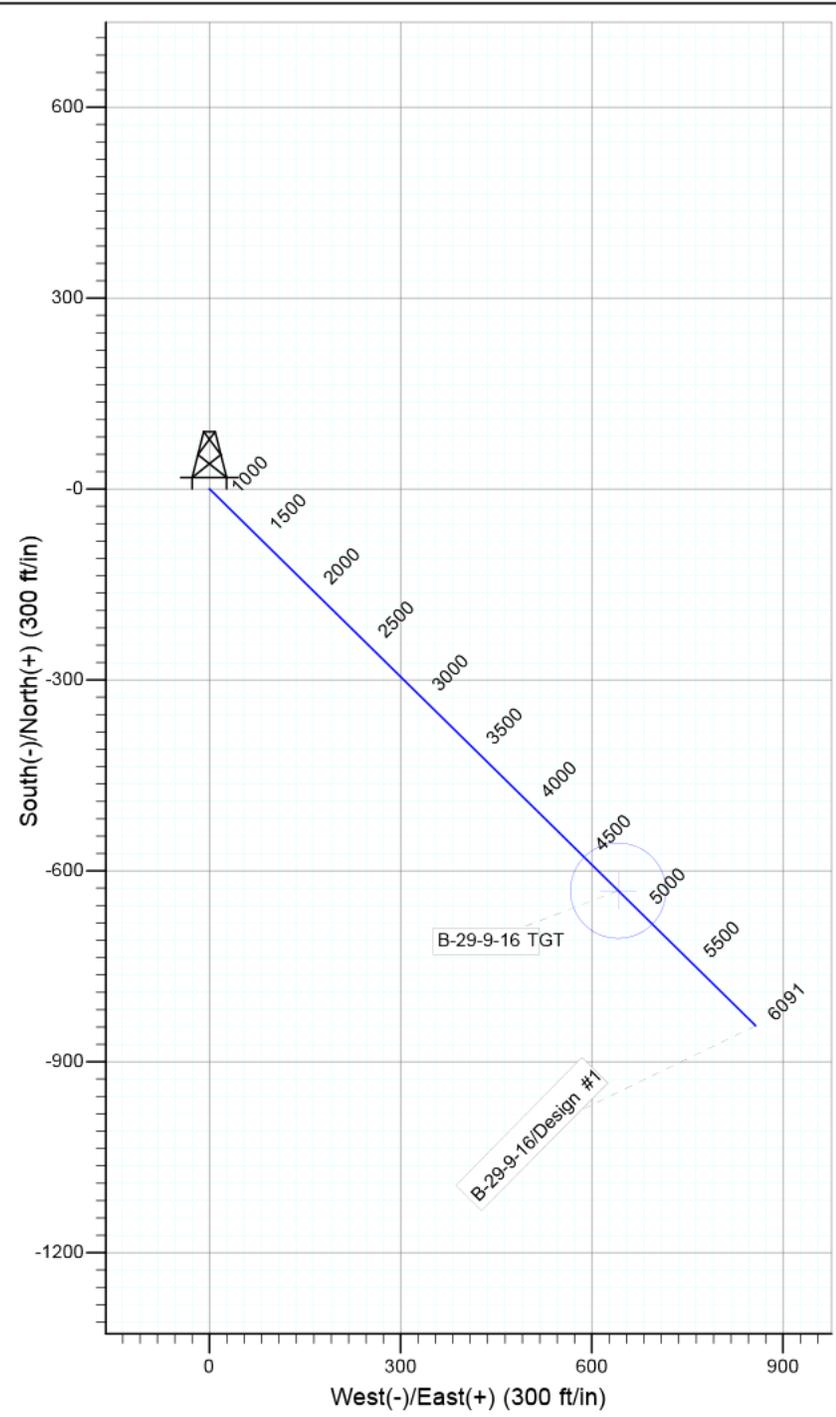
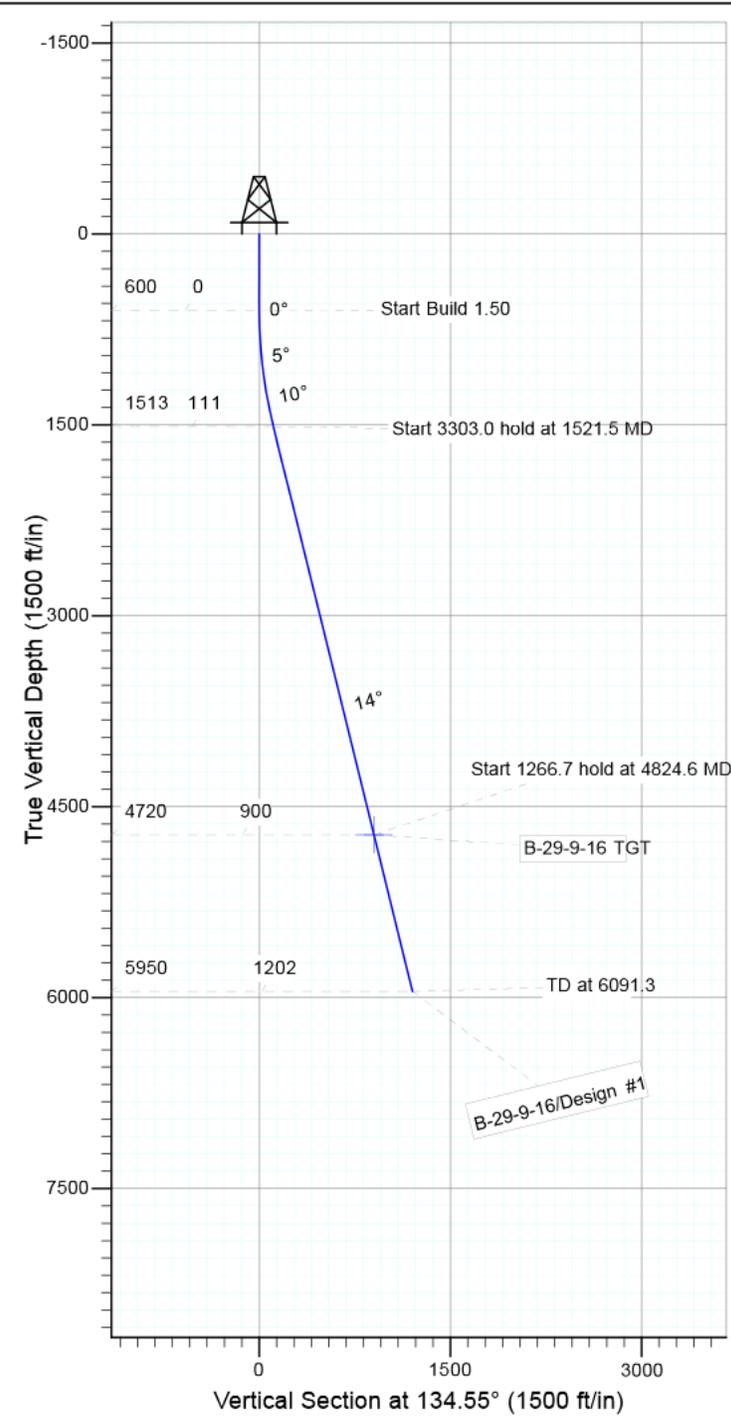


Project: USGS Myton SW (UT)
 Site: SECTION 20 T9, R16
 Well: B-29-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52007.0snT
 Dip Angle: 65.69°
 Date: 10/9/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
B-29-9-16 TGT	4720.0	-631.2	641.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1521.5	13.82	134.55	1512.6	-77.6	78.8	1.50	134.55	110.6	
4	4824.6	13.82	134.55	4720.0	-631.2	641.2	0.00	0.00	899.8	B-29-9-16 TGT
5	6091.3	13.82	134.55	5950.0	-843.6	856.9	0.00	0.00	1202.5	



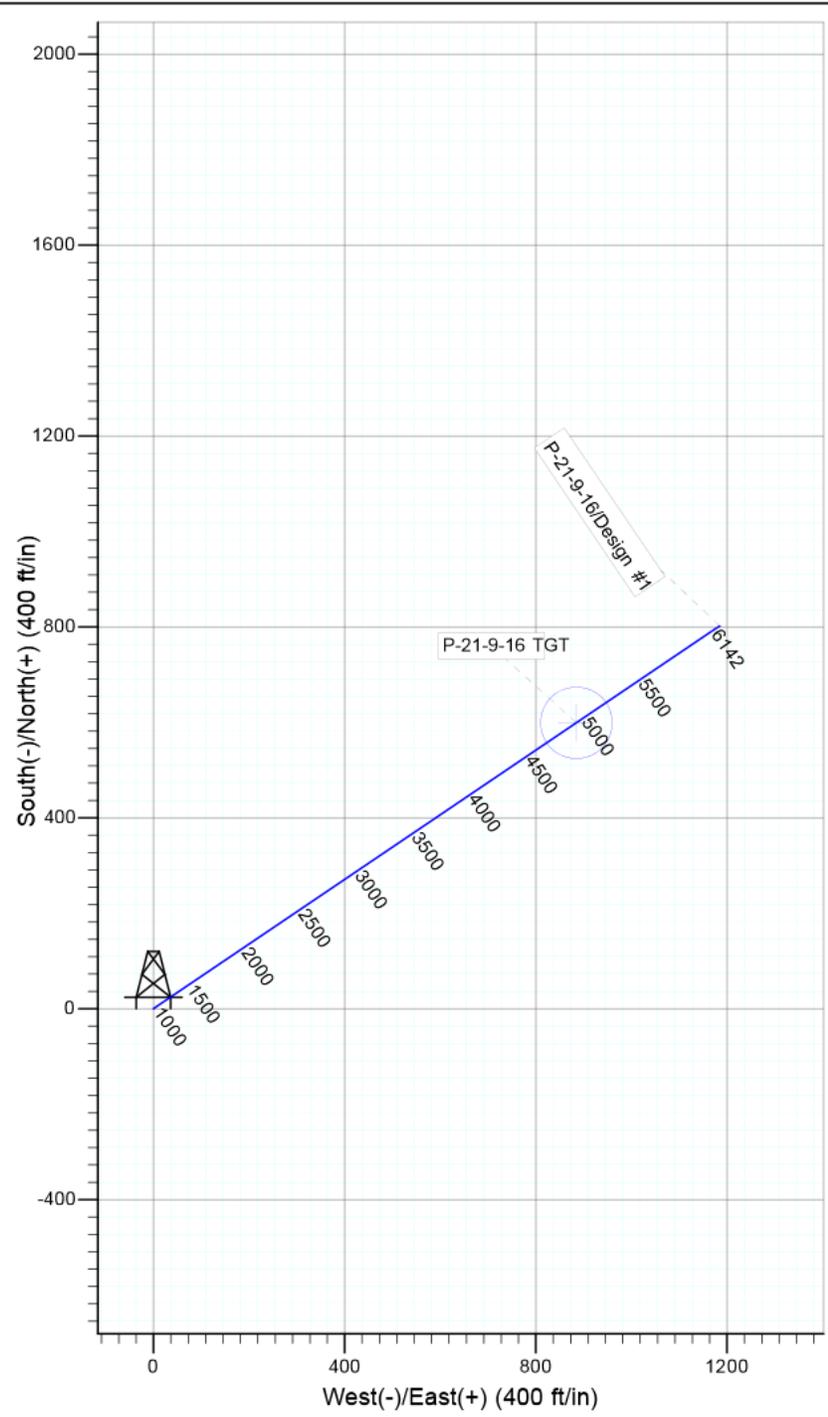
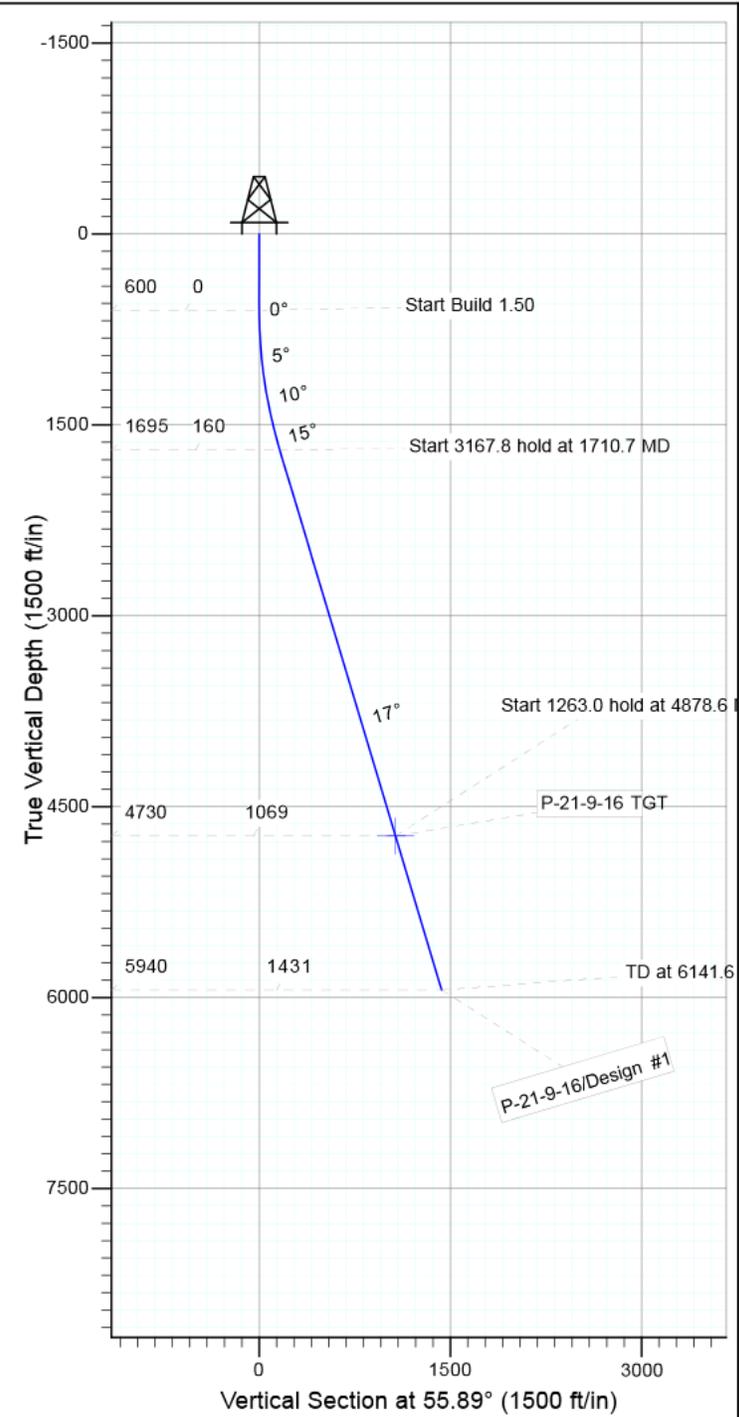


Project: USGS Myton SW (UT)
 Site: SECTION 20 T9, R16
 Well: P-21-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52008.1snT
 Dip Angle: 65.70°
 Date: 10/8/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
P-21-9-16 TGT	4730.0	599.2	884.8	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	1710.7	16.66	55.89	1695.1	89.9	132.8	1.50	55.89	160.4	
4	4878.6	16.66	55.89	4730.0	599.2	884.8	0.00	0.00	1068.6	P-21-9-16 TGT
5	6141.6	16.66	55.89	5940.0	802.3	1184.6	0.00	0.00	1430.7	



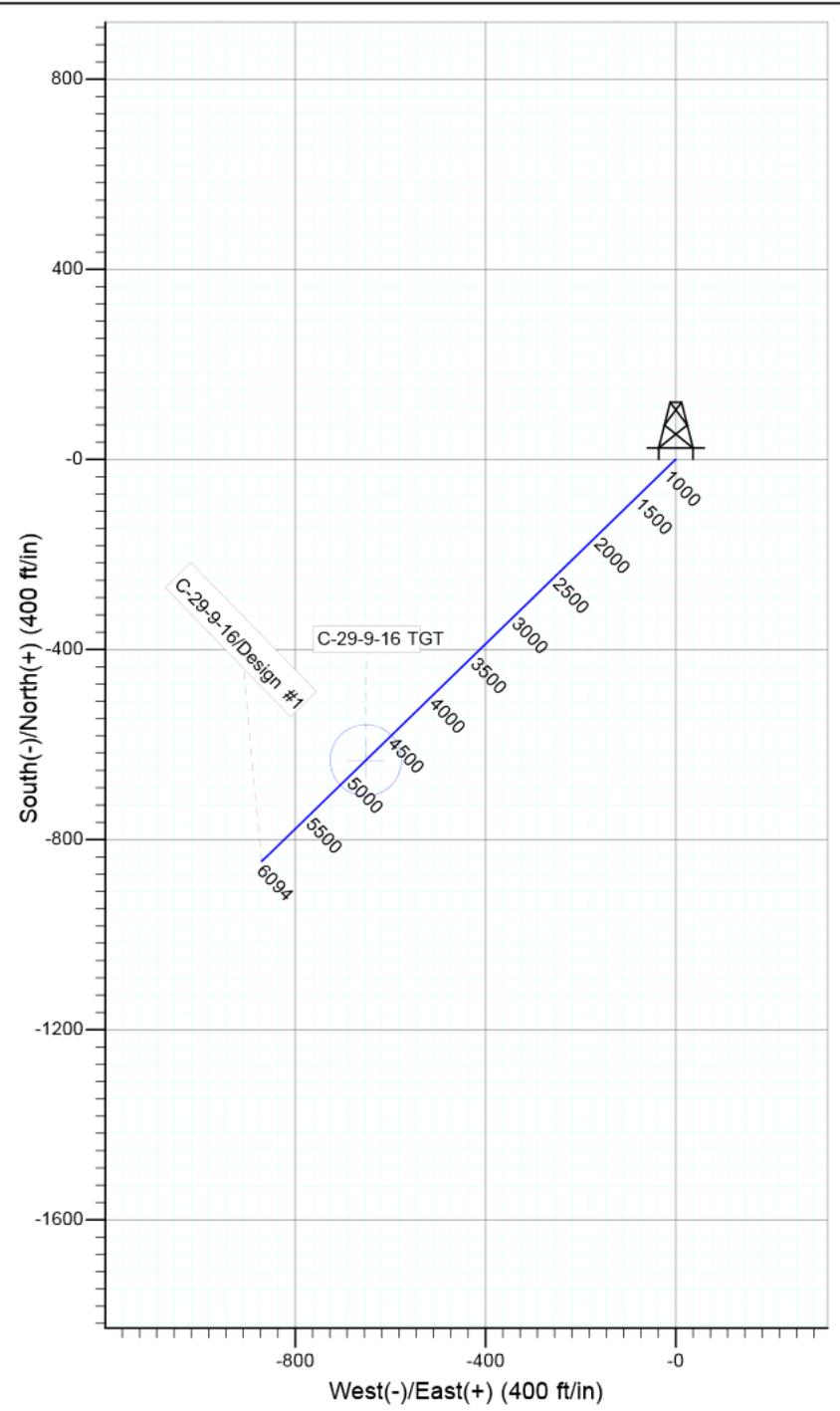
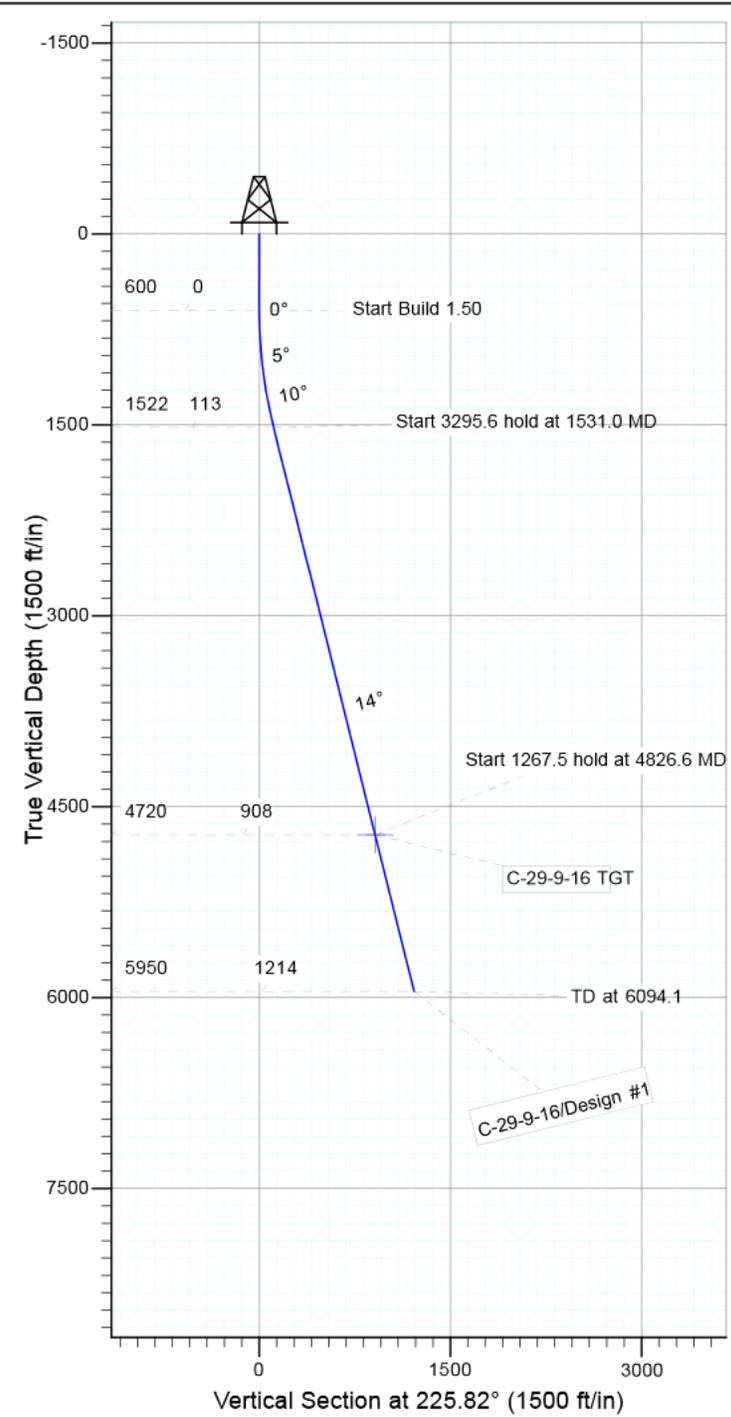


Project: USGS Myton SW (UT)
 Site: SECTION 20 T9, R16
 Well: C-29-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52007.0snT
 Dip Angle: 65.69°
 Date: 10/9/2013
 Model: IGRF2010



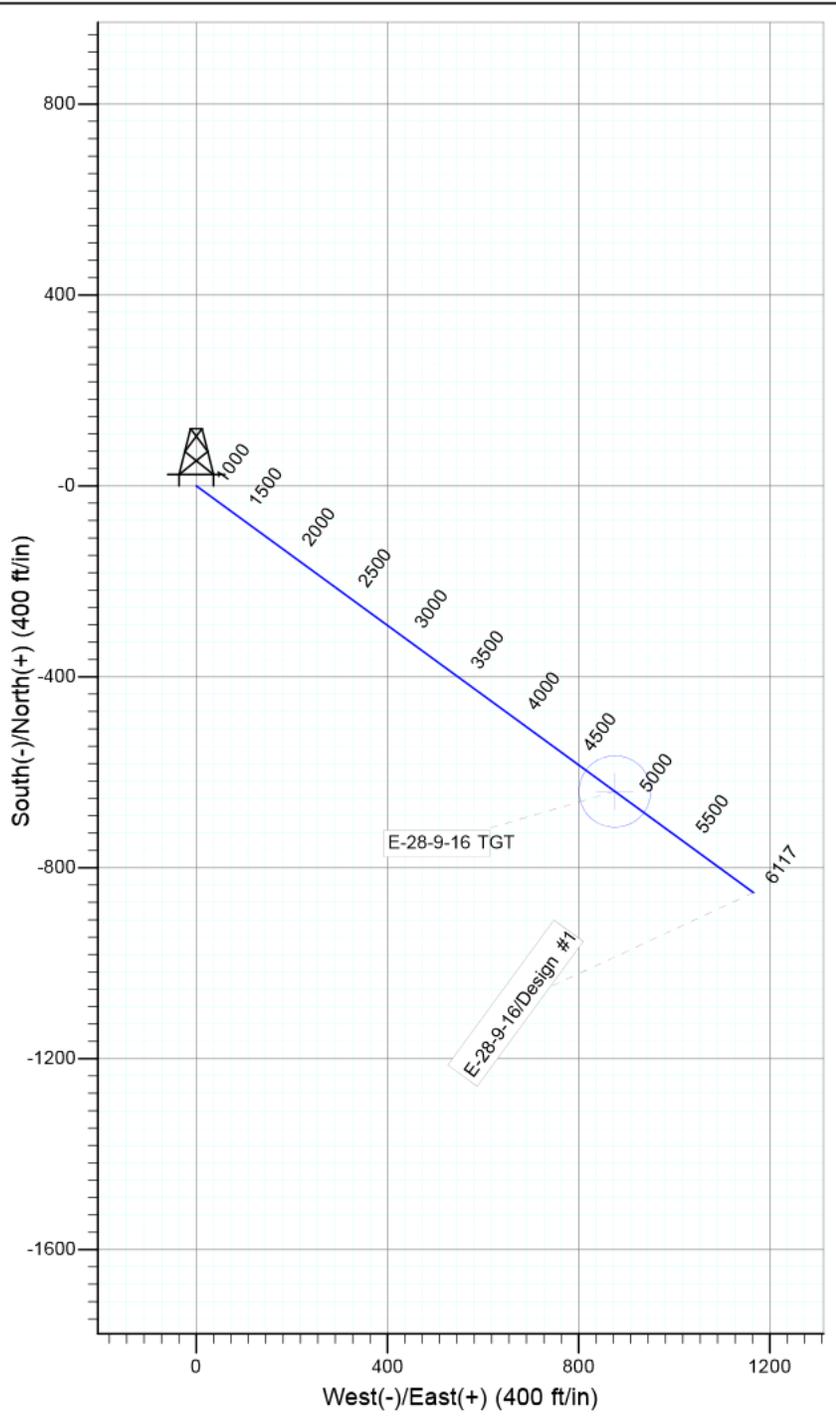
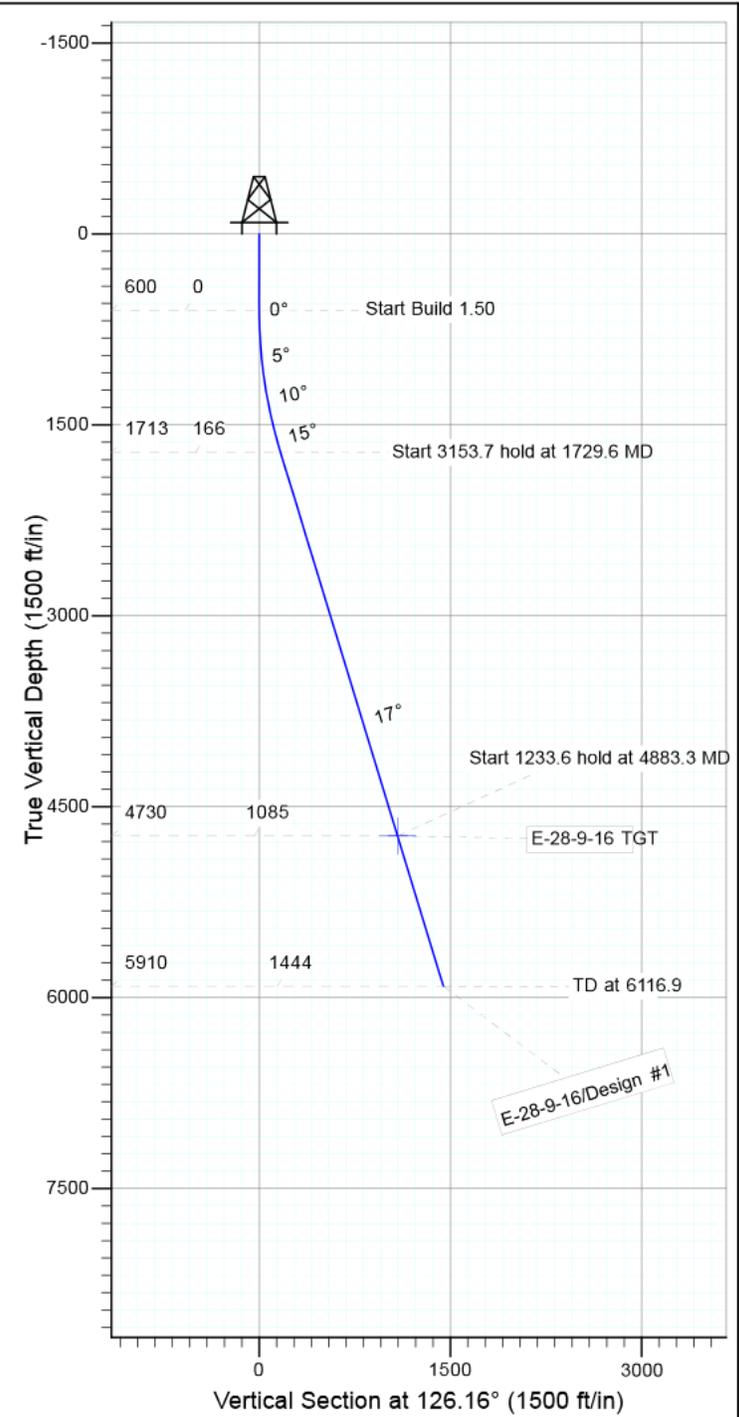
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-29-9-16 TGT	4720.0	-633.0	-651.4	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1531.0	13.97	225.82	1521.8	-78.7	-81.0	1.50	225.82	112.9	
4	4826.6	13.97	225.82	4720.0	-633.0	-651.4	0.00	0.00	908.3	C-29-9-16 TGT
5	6094.1	13.97	225.82	5950.0	-846.2	-870.7	0.00	0.00	1214.1	





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
E-28-9-16 TGT	4730.0	-640.2	876.0	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	1729.6	16.94	126.16	1713.2	-97.8	133.9	1.50	126.16	165.8	
4	4883.3	16.94	126.16	4730.0	-640.2	876.0	0.00	0.00	1084.9	E-28-9-16 TGT
5	6116.9	16.94	126.16	5910.0	-852.3	1166.2	0.00	0.00	1444.5	



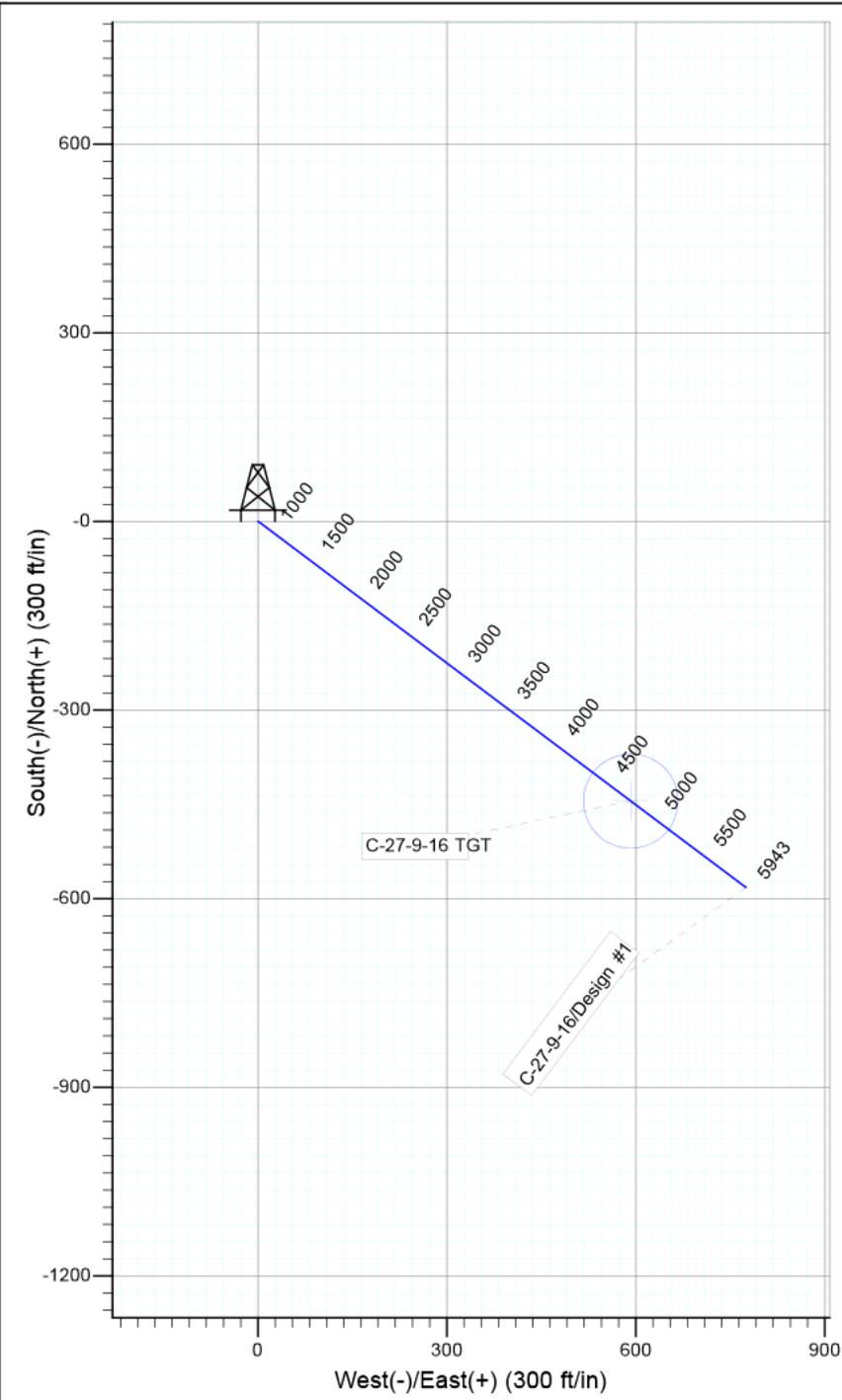
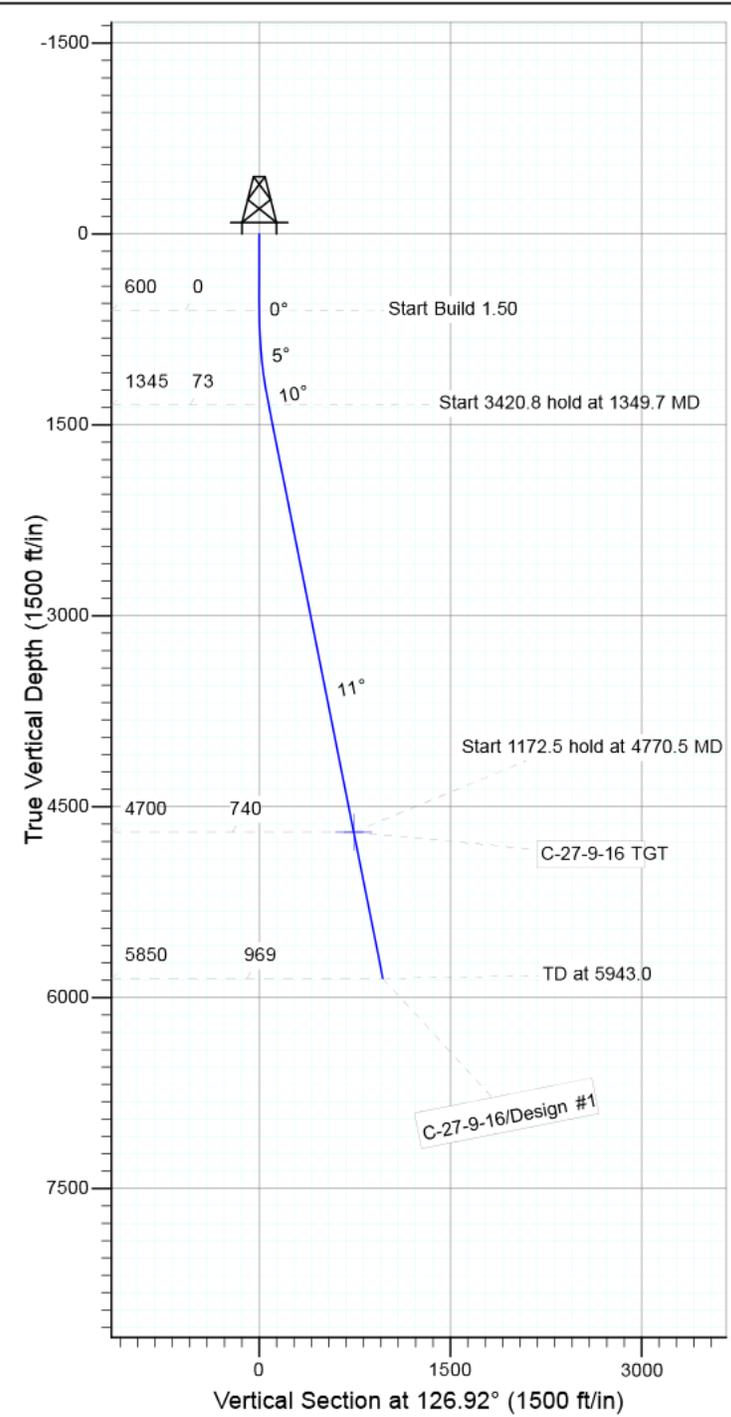


Project: USGS Myton SW (UT)
 Site: SECTION 22 T9, R16
 Well: C-27-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.03°

Magnetic Field
 Strength: 52013.4snT
 Dip Angle: 65.70°
 Date: 10/9/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-27-9-16 TGT	4700.0	-444.8	591.9	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	1349.7	11.24	126.92	1344.9	-44.0	58.6	1.50	126.92	73.3	
4	4770.5	11.24	126.92	4700.0	-444.8	591.9	0.00	0.00	740.4	C-27-9-16 TGT
5	5943.0	11.24	126.92	5850.0	-582.1	774.7	0.00	0.00	969.0	



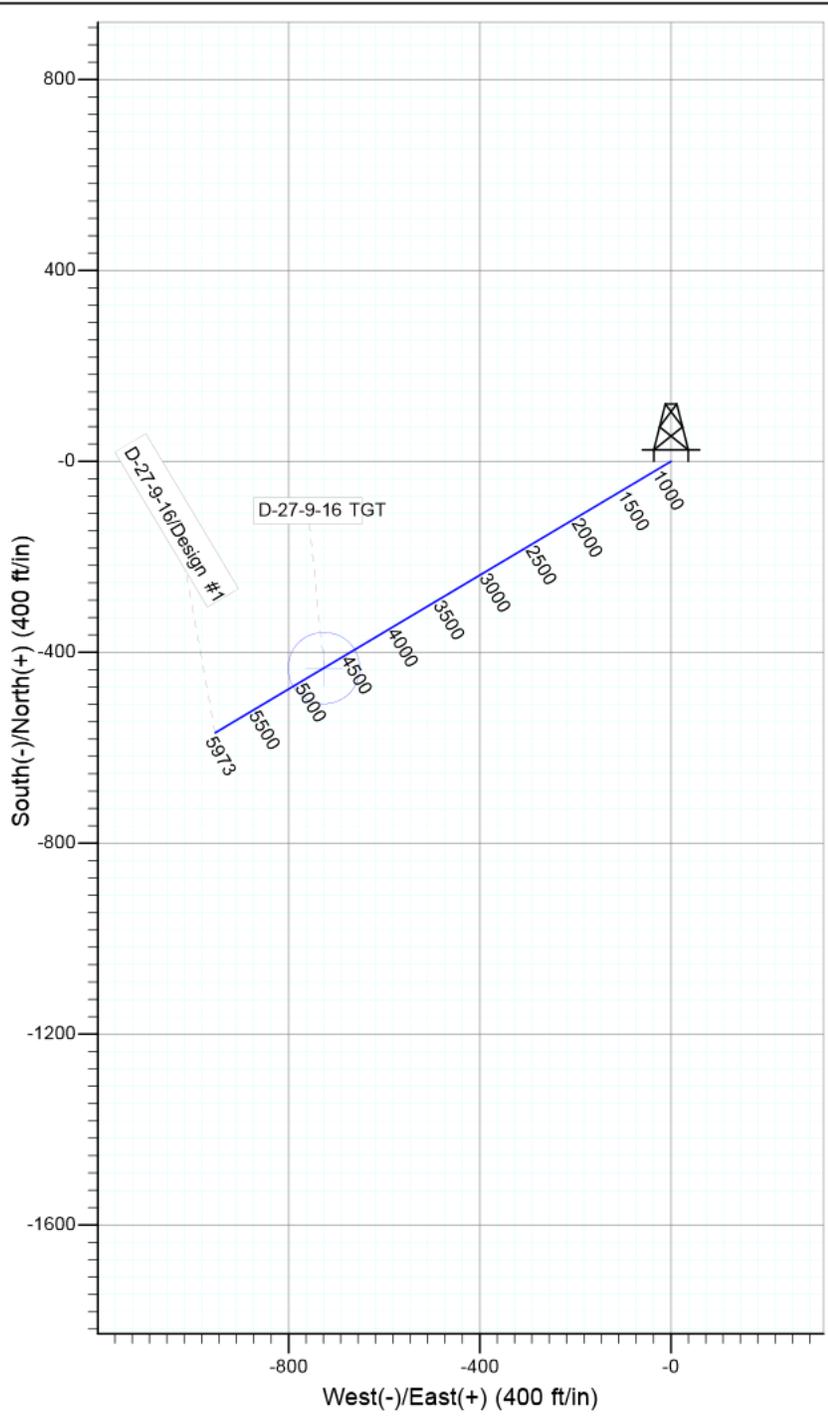
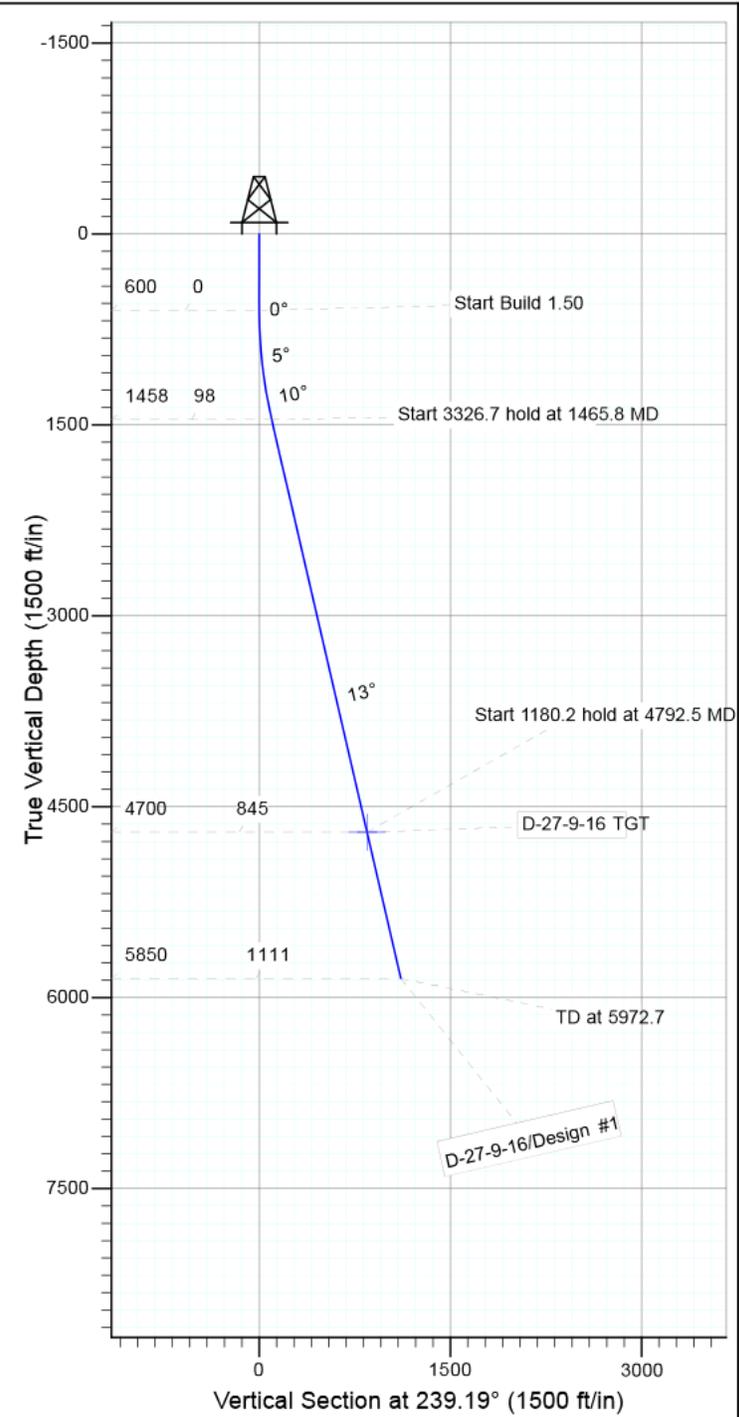


Project: USGS Myton SW (UT)
 Site: SECTION 22 T9, R16
 Well: D-27-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.03°

Magnetic Field
 Strength: 52013.4snT
 Dip Angle: 65.70°
 Date: 10/9/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
D-27-9-16 TGT	4700.0	-433.0	-726.0	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	1465.8	12.99	239.19	1458.4	-50.0	-83.9	1.50	239.19	97.7	
4	4792.5	12.99	239.19	4700.0	-433.0	-726.0	0.00	0.00	845.3	D-27-9-16 TGT
5	5972.7	12.99	239.19	5850.0	-568.8	-953.8	0.00	0.00	1110.5	



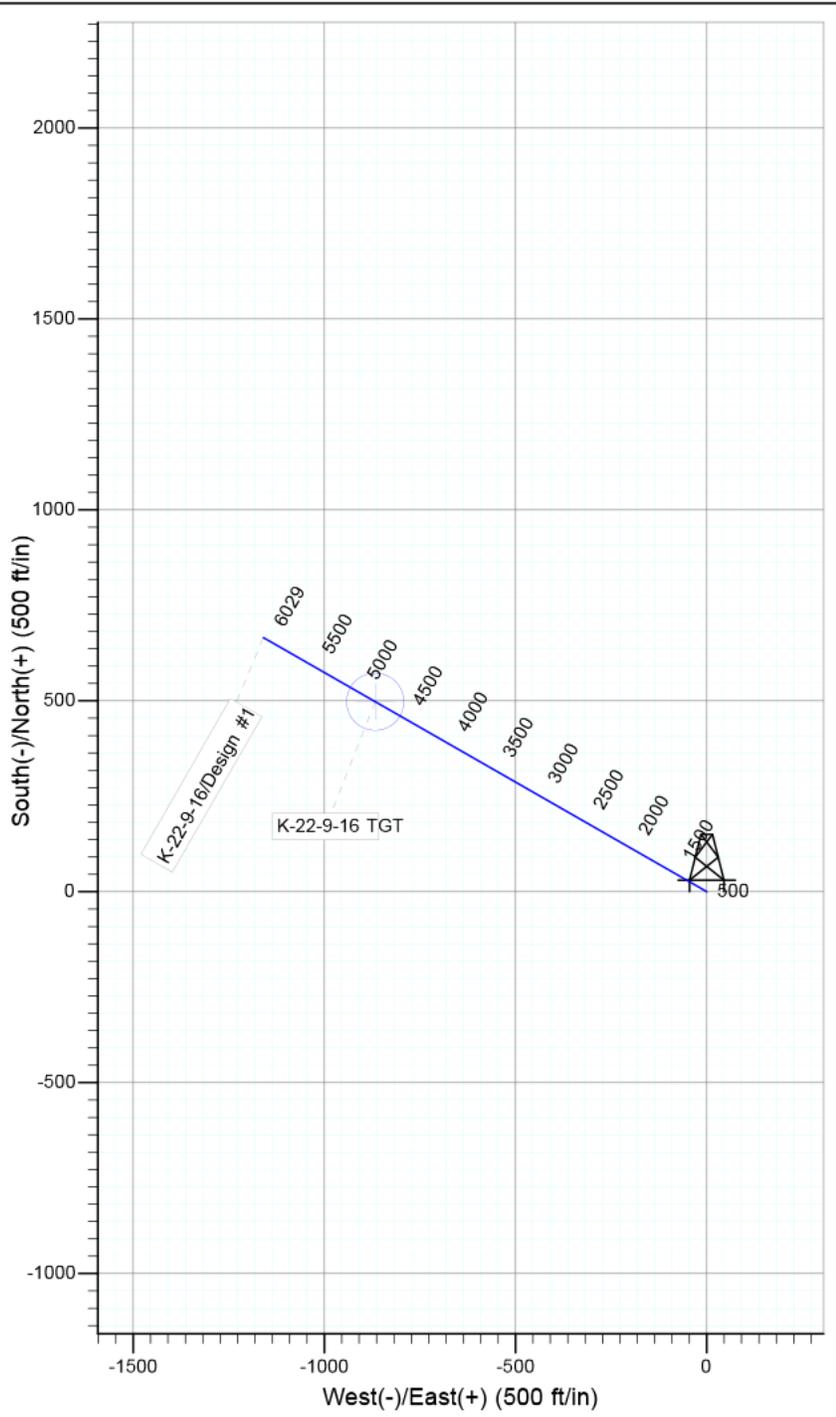
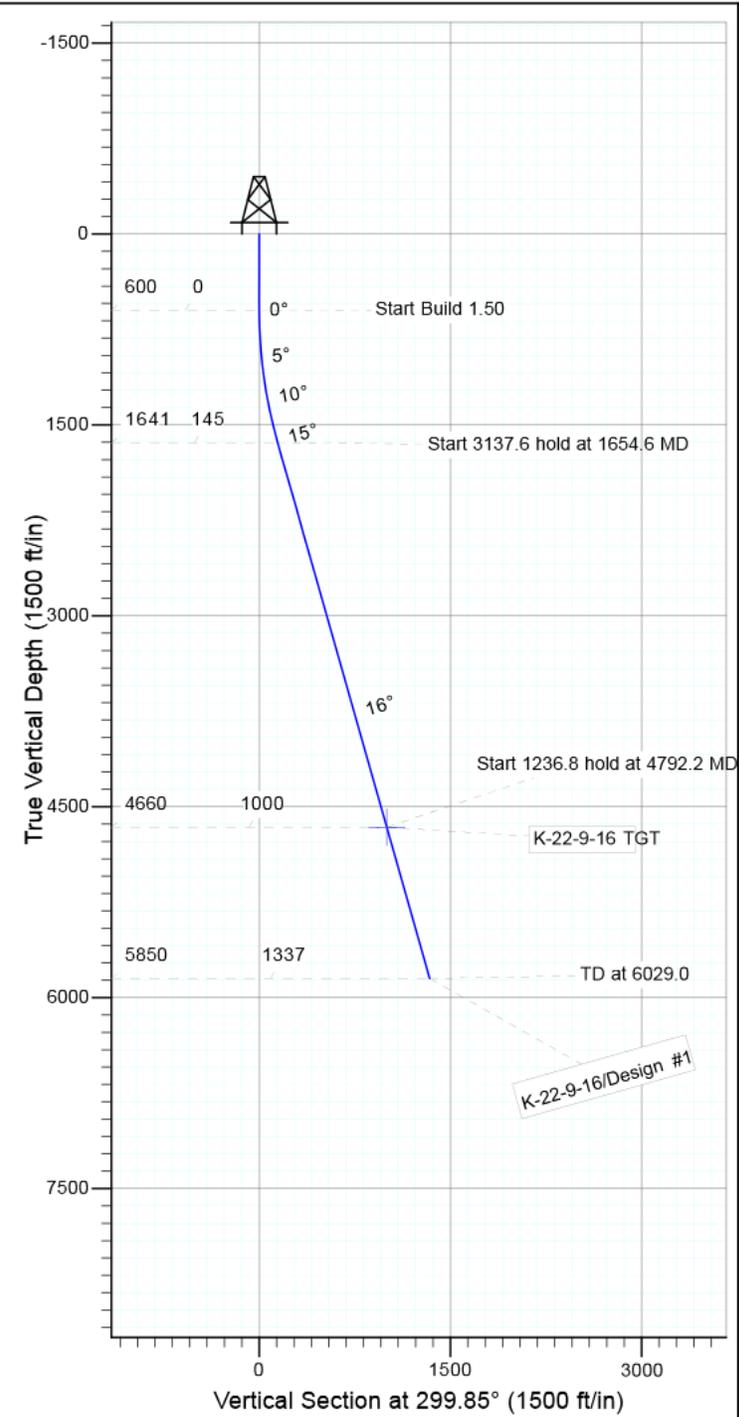


Project: USGS Myton SW (UT)
 Site: SECTION 23 T9, R16
 Well: K-22-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.02°

Magnetic Field
 Strength: 52018.9snT
 Dip Angle: 65.71°
 Date: 10/9/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
K-22-9-16 TGT	4660.0	497.7	-867.3	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	1654.6	15.82	299.85	1641.2	72.0	-125.5	1.50	299.85	144.6	
4	4792.2	15.82	299.85	4660.0	497.7	-867.3	0.00	0.00	999.9	K-22-9-16 TGT
5	6029.0	15.82	299.85	5850.0	665.5	-1159.7	0.00	0.00	1337.1	



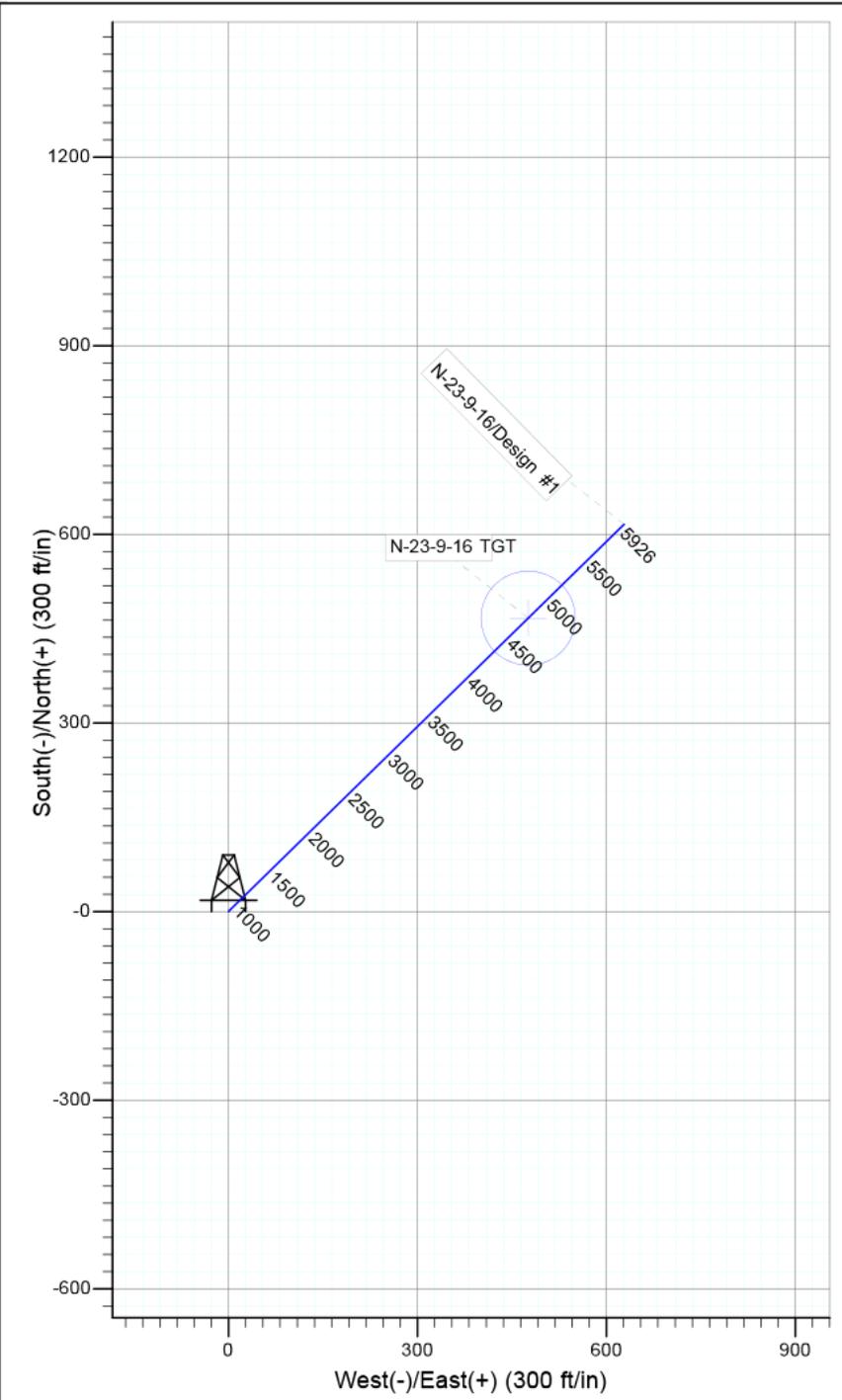
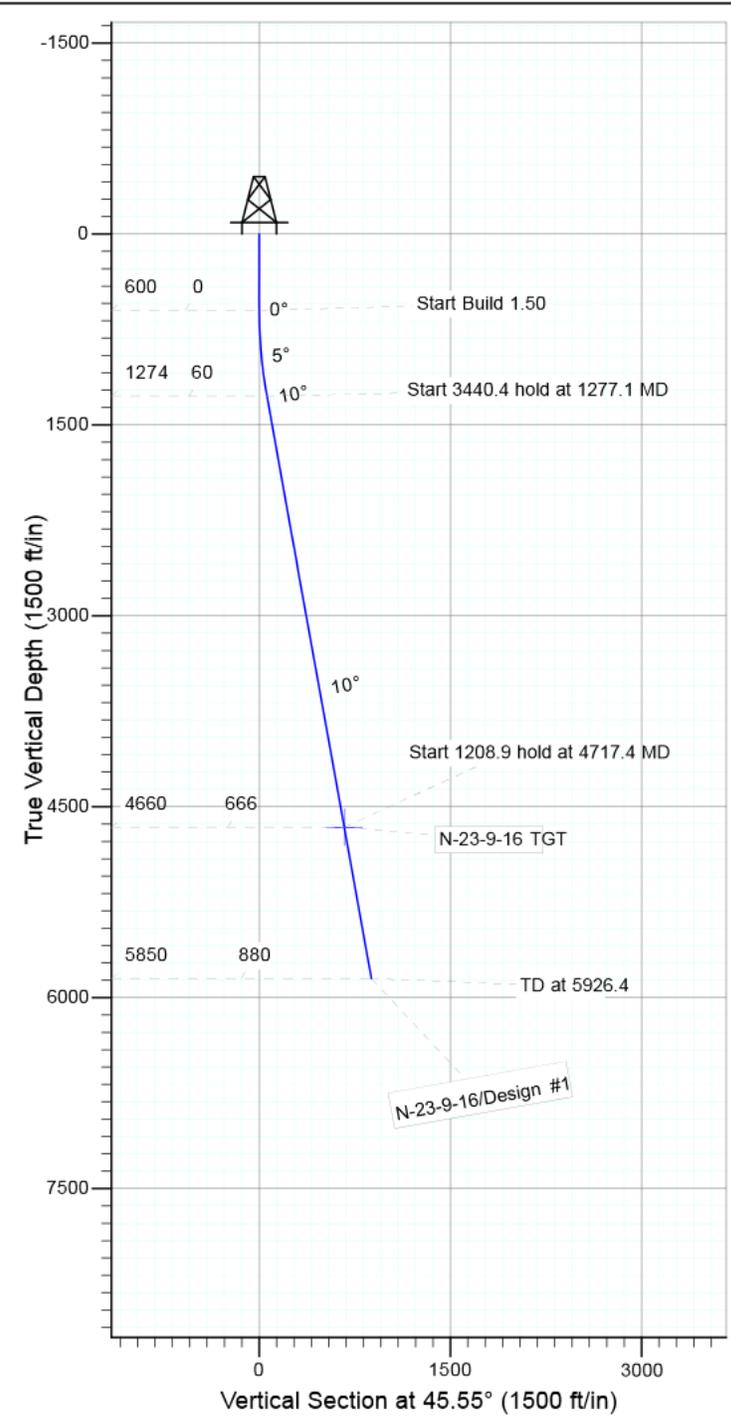


Project: USGS Myton SW (UT)
 Site: SECTION 23 T9, R16
 Well: N-23-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.02°

Magnetic Field
 Strength: 52018.9snT
 Dip Angle: 65.71°
 Date: 10/9/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-23-9-16 TGT	4660.0	466.7	475.8	Circle (Radius: 75.0)

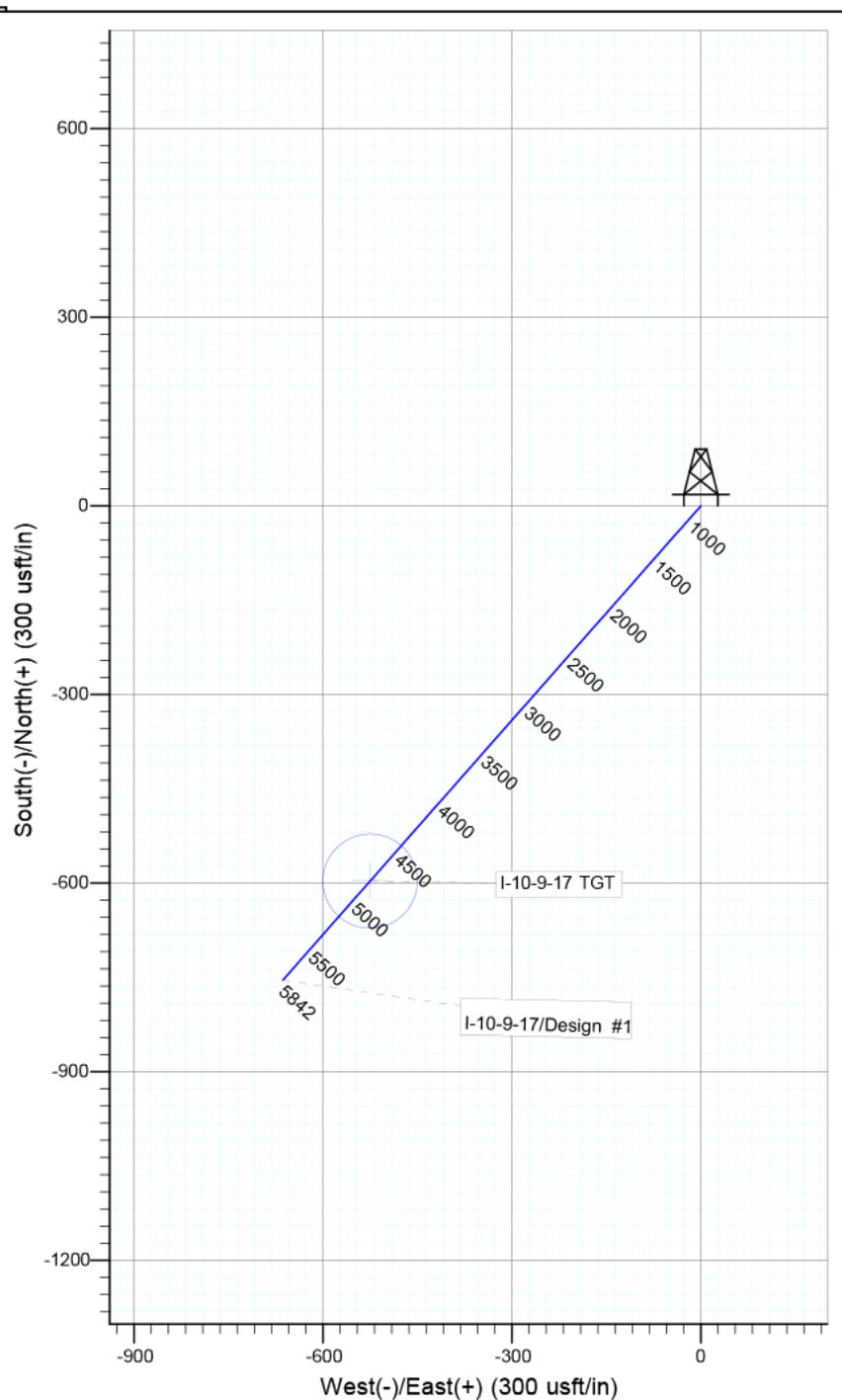
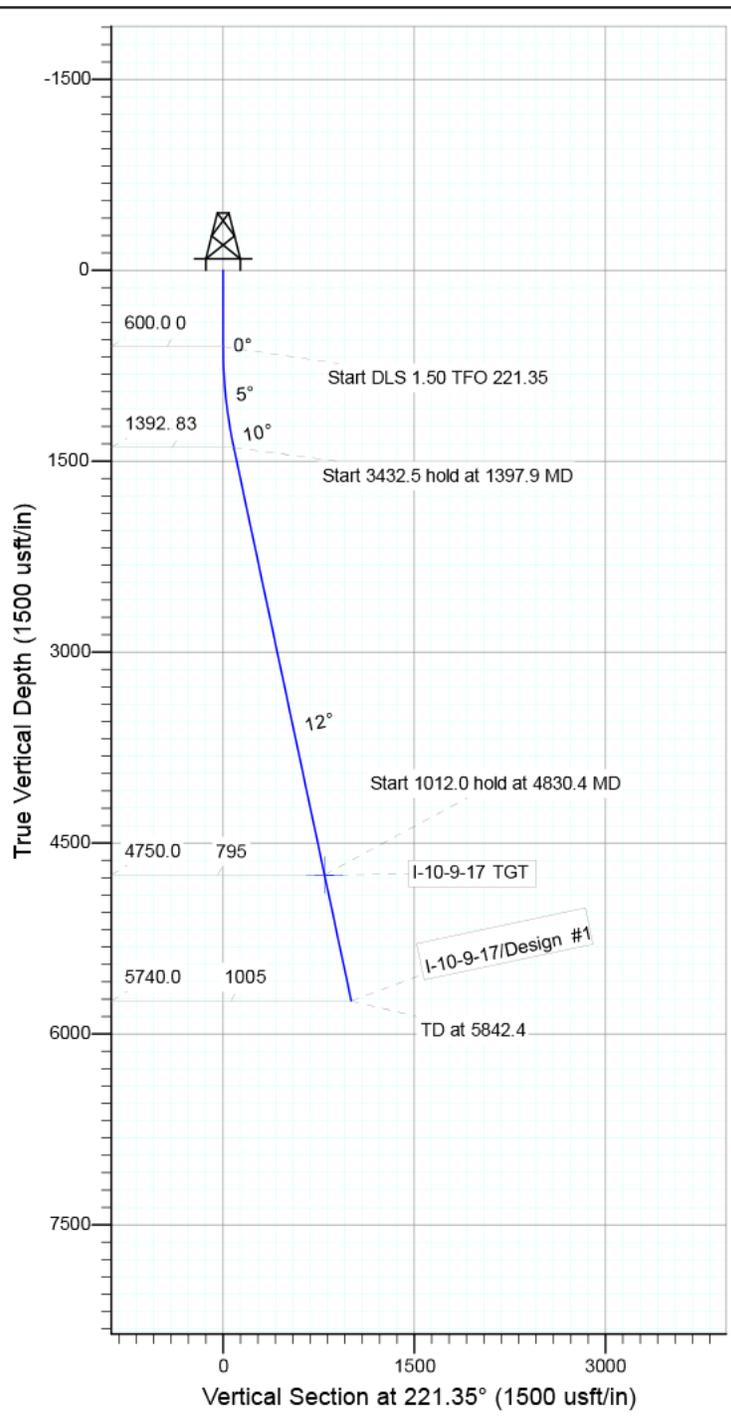
SECTION DETAILS

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	1277.1	10.16	45.55	1273.5	41.9	42.7	1.50	45.55	59.9	
4	4717.4	10.16	45.55	4660.0	466.7	475.8	0.00	0.00	666.5	N-23-9-16 TGT
5	5926.4	10.16	45.55	5850.0	616.0	628.0	0.00	0.00	879.7	





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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
I-10-9-17 TGT	4750.0	-596.7	-525.1	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	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	1397.9	11.97	221.35	1392.2	-62.3	-54.9	1.50	221.35	83.0	
4	4830.4	11.97	221.35	4750.0	-596.7	-525.1	0.00	0.00	794.9	I-10-9-17 TGT
5	5842.4	11.97	221.35	5740.0	-754.3	-663.8	0.00	0.00	1004.8	





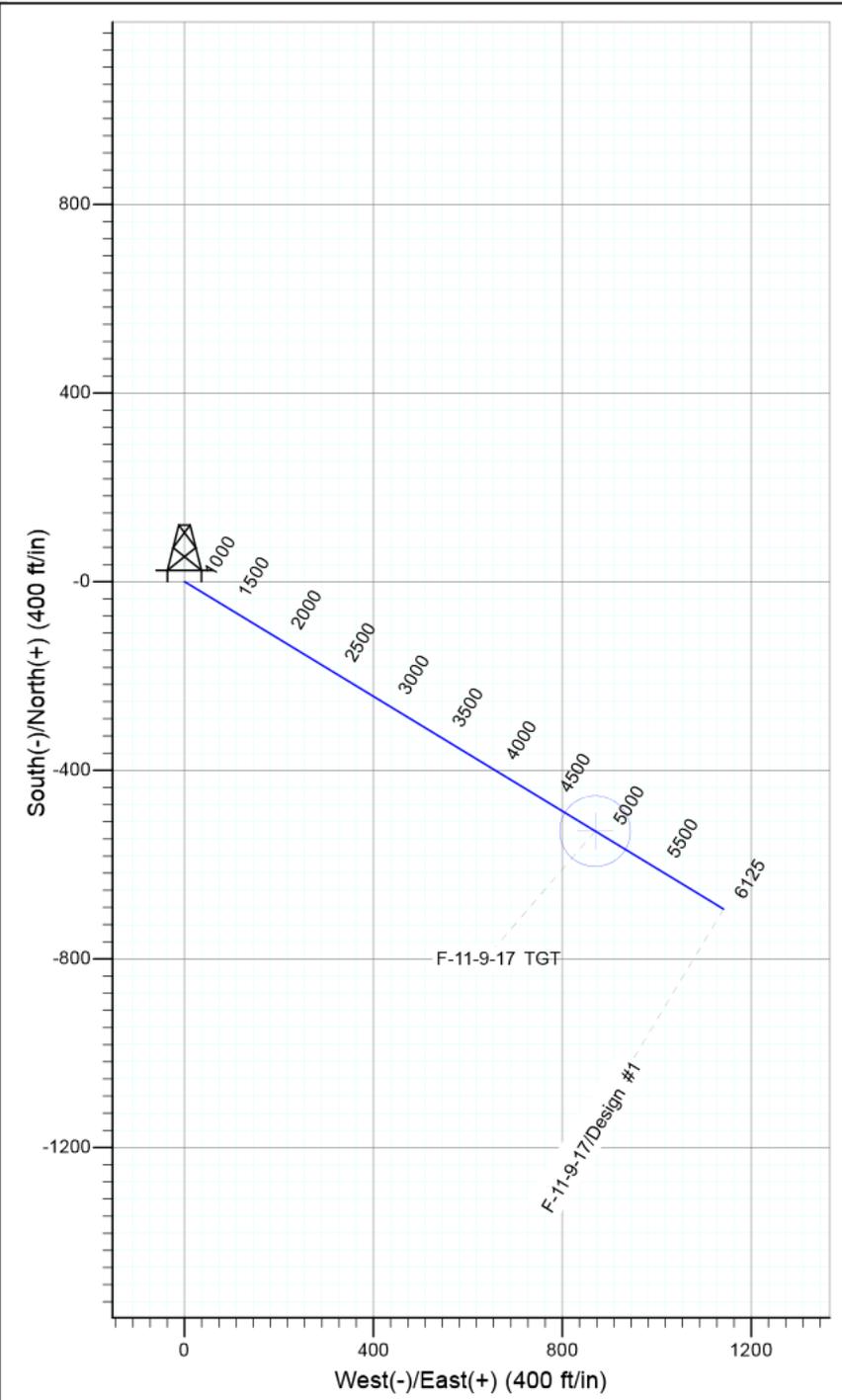
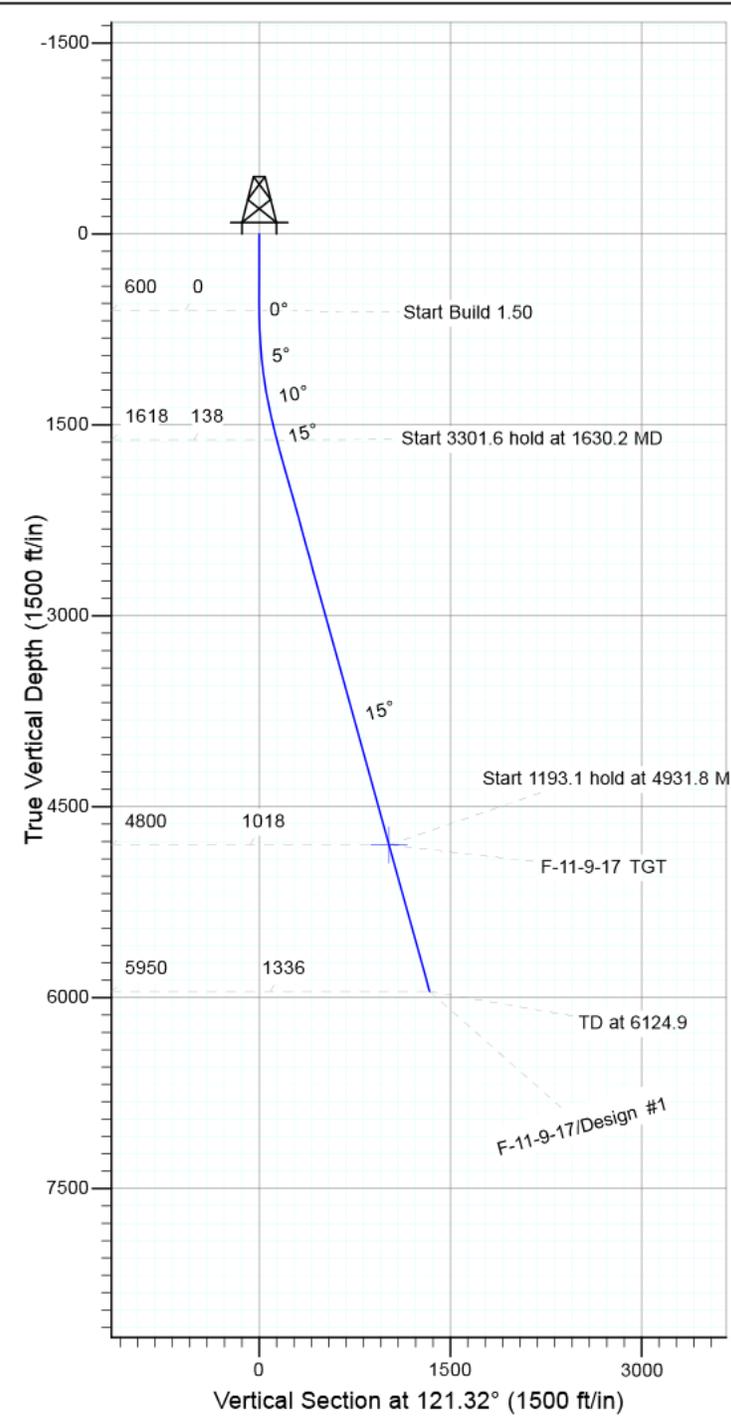
Project: USGS Myton SW (UT)
 Site: SECTION 10 T9S, R17E
 Well: F-11-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 10.98°

Magnetic Field
 Strength: 52054.4snT
 Dip Angle: 65.76°
 Date: 10/24/2013
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
F-11-9-17 TGT	4800.0	-529.1	869.5	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	1630.2	15.45	121.32	1617.8	-71.8	118.0	1.50	121.32	138.1	
4	4931.8	15.45	121.32	4800.0	-529.1	869.5	0.00	0.00	1017.8	F-11-9-17 TGT
5	6124.9	15.45	121.32	5950.0	-694.3	1141.1	0.00	0.00	1335.8	



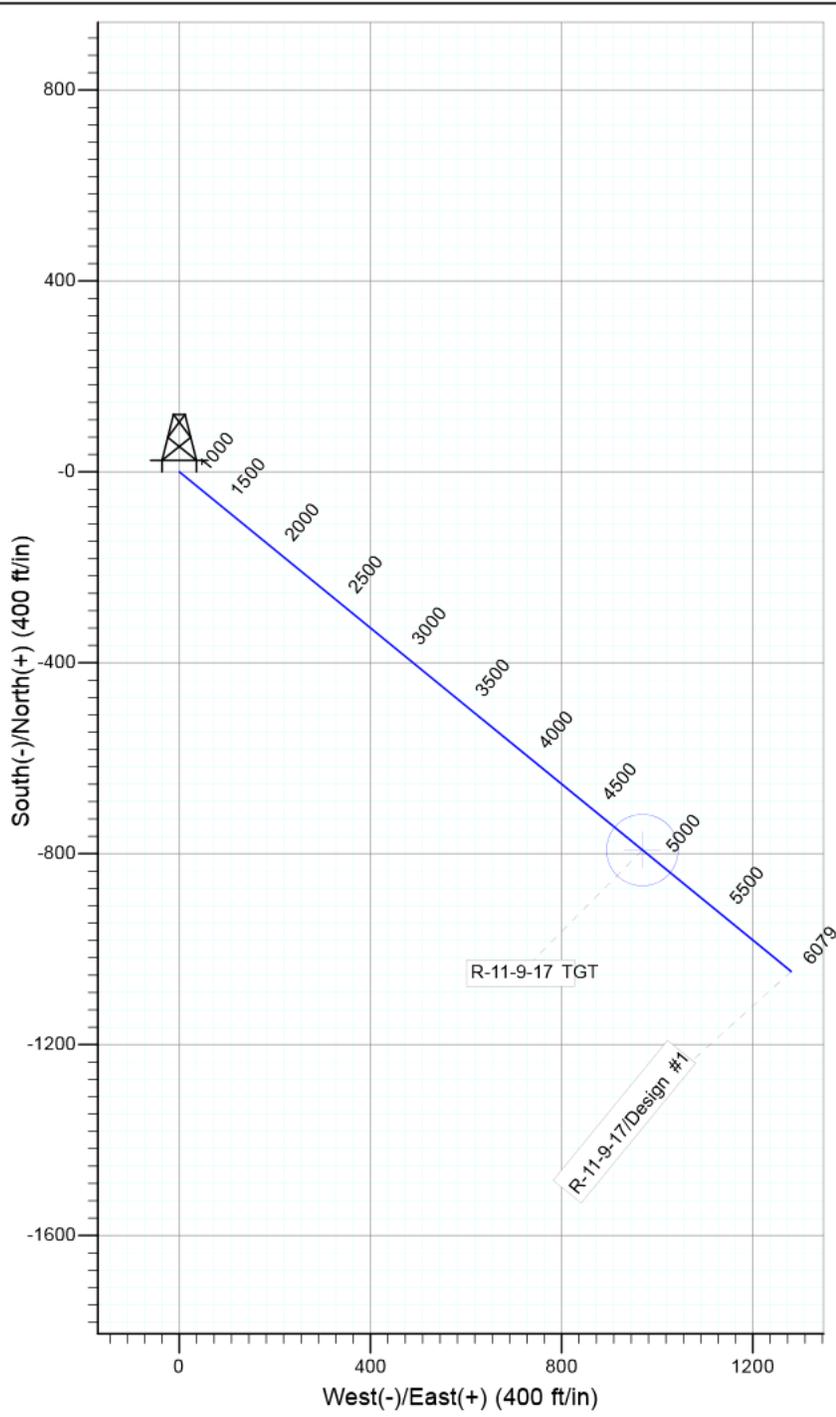
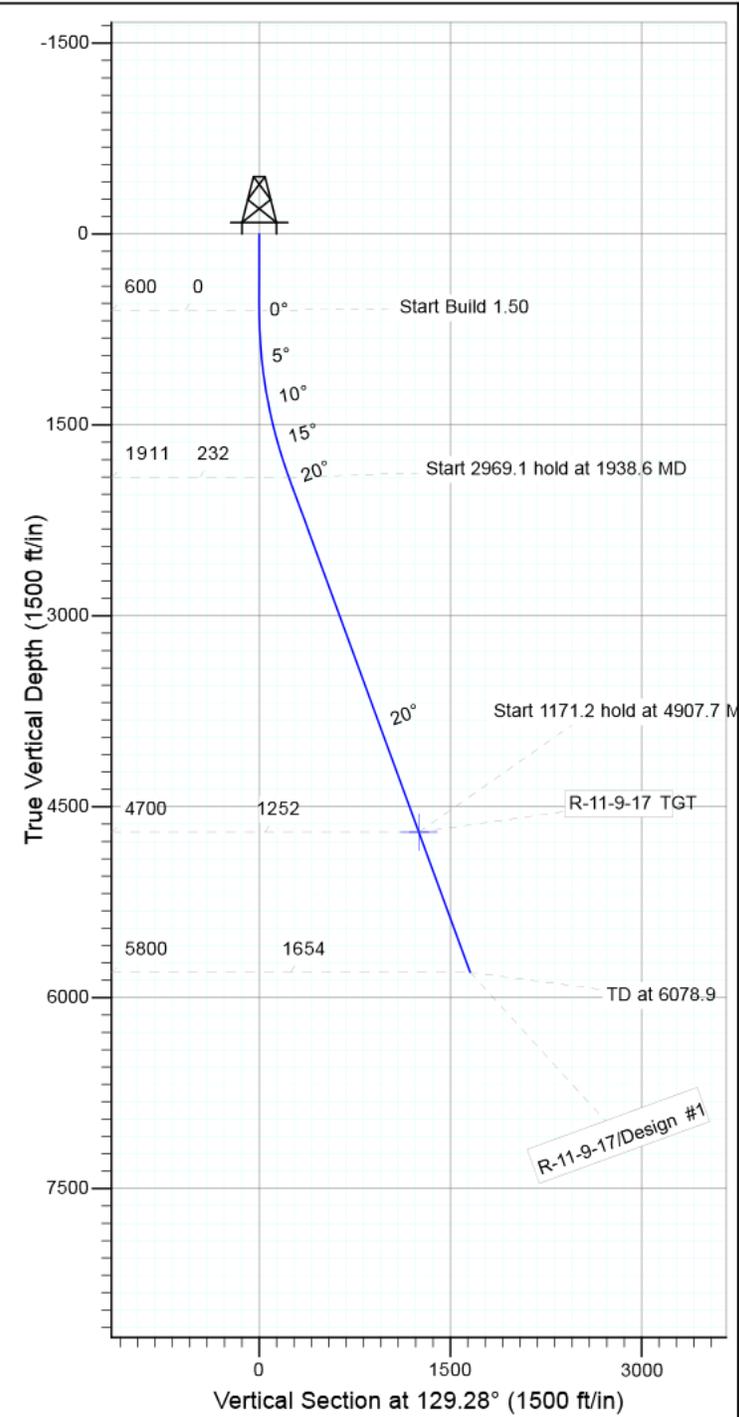


Project: USGS Myton SW (UT)
 Site: SECTION 11 T9S, R17E
 Well: R-11-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 10.98°

Magnetic Field
 Strength: 52058.4snT
 Dip Angle: 65.75°
 Date: 9/30/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
R-11-9-17 TGT	4700.0	-792.4	968.8	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	1938.6	20.08	129.28	1911.4	-147.0	179.7	1.50	129.28	232.2	
4	4907.7	20.08	129.28	4700.0	-792.4	968.8	0.00	0.00	1251.5	R-11-9-17 TGT
5	6078.9	20.08	129.28	5800.0	-1046.9	1280.0	0.00	0.00	1653.6	



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/17/2014

API NO. ASSIGNED: 43013527940000

WELL NAME: GMBU F-11-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: NENE 10 090S 170E

Permit Tech Review:

SURFACE: 0846 FNL 0742 FEL

Engineering Review:

BOTTOM: 1557 FNL 0389 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.05037

LONGITUDE: -109.98594

UTM SURF EASTINGS: 586497.00

NORTHINGS: 4433840.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-18043

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

Commingling 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

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. HAZA
Division Director

Permit To Drill

Well Name: GMBU F-11-9-17
API Well Number: 43013527940000
Lease Number: UTU-18043
Surface Owner: FEDERAL
Approval Date: 1/27/2014

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 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 23 2014

BLM

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU18043
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: HEATHER CALDER Email: hcalder@newfield.com		7. If Unit or CA Agreement, Name and No. UTU87538X
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-3031	8. Lease Name and Well No. GMBU F-11-9-17
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE 846FNL 742FEL At proposed prod. zone SWNW 1557FNL 389FWL Sec. 11		9. API Well No. 4301352794
14. Distance in miles and direction from nearest town or post office* 14.5 MILES SOUTH OF MYTON, UT		10. Field and Pool, or Exploratory MONUMENT BUTTE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 389'	16. No. of Acres in Lease RECEIVED OCT 27 2014	11. Sec., T., R., M., or Blk. and Survey or Area Sec 10 T9S R17E Mer SLB SME: BLM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 710'	19. Proposed Depth 6125 MD 5950 TVD DIV. OF OIL, GAS & MINING	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5082 GL	22. Approximate date work will start 04/01/2014	13. State UT
23. Estimated duration 7 DAYS		17. Spacing Unit dedicated to this well 20.00
20. BLM/BIA Bond No. on file WYB000493		23. Estimated duration 7 DAYS

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 01/17/2014
Title REGULATORY TECHNICIAN		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date OCT 20 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

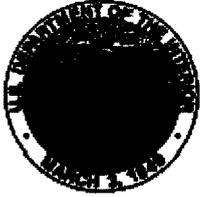
Additional Operator Remarks (see next page)

Electronic Submission #232377 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by LESLIE BUHLER on 01/24/2014 (14LBB3879AE)

UDOGM

NOTICE OF APPROVAL

** BLM REVISED **



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: NEWFIELD EXPLORATION
Well No: GMBU F-11-9-17
API No: 43-013-52794

Location: NENE, Sec. 10, T9S, R17E
Lease No: UTU-18043
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STIPULATIONS / CONDITIONS OF APPROVAL

Company/Operator: Newfield Production Company
Well Name & Number: GMBU I-10-9-17 and F-11-9-17
Host Location: 1-10-9-17

STANDARD STIPULATIONS

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2014-004 on May 21, 2014.

CONDITIONS OF APPROVAL

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable

surveys using an accepted protocol prior to any ground disturbing activities.

- If it is anticipated that construction or drilling will occur during mountain plover nesting season (May 1 – June 15), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.
- If it is anticipated that construction or drilling will occur during burrowing owl nesting season (March 1 – August 31), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.
- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
 - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fish
 - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
 - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
 - Screen all pump intakes with 3/32-inch mesh material.
- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
Utah Division of Wildlife Resources
Northeastern Region
318 N Vernal Ave.
Vernal, UT 84078
(435) 781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.

- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
- Green completions will be used for all well completion activities where technically feasible.

Threatened and Endangered Plants

- Only water (no chemicals, reclaimed production water or oil field brine) will be used for dust abatement measures within all cactus habitats.
- Dust abatement will be employed in suitable *Sclerocactus ssp.* habitat over the life of the project during the time of the year when *Sclerocactus ssp.* species are most vulnerable to dust-related impacts (March through August) within all cactus habitats.
- The seed mix will be amended to exclude Siberian wheatgrass (introduced), and Snake River wheatgrass (non-native to Utah) for reclamation seeding on this project.
- Erosion control measures (i.e. silt fencing) will be implemented to minimize sedimentation to *Sclerocactus ssp.* plants and populations located down slope of proposed surface disturbance activities when working in all cactus habitats.
- Application for Pesticide Use Permit will include provisions for mechanical removal, as opposed to chemical removal, for Utah Class A, B and C noxious weeds within 50 feet of individual/populations of *Sclerocactus*.
- From one year of the date forward of 100% *Sclerocactus* clearance survey for this project, spot checks will be conducted and approved for all planned disturbance areas on an annual basis. (The *S. brevispinus* survey period is defined as mid-March to June 30, and the *S. wetlandicus* survey period is defined as anytime without snow cover prior.) Results of spot checks may require additional pre-construction plant surveys as directed by the BLM. If the proposed action or parts thereof have not occurred within four years of the original survey, 100% clearance re-survey will be required prior to ground disturbing activities.

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

SITE SPECIFIC DOWNHOLE COAs:

GMBU: D-27-9-16, C-27-9-16, R-9-9-16, C-16-9-16, I-10-9-17, F-11-9-17, 4-3-9-17, 2-4-9-17, O-22-9-16, F-22-9-16, F-6-9-16, K-1-9-15, C-29-9-16, B-29-9-16, M-20-9-16, R-11-9-17, 3-4-9-17, 128-34-8-16, 125-24-8-16, E-6-9-18, R-31-8-18, L-20-9-17, Q-26-8-16, 104-3-9-16, 3-3-9-17, 122-8-9-17

Site Specific Drilling Plan COA's:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

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

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-18043
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: GMBU F-11-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013527940000
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: 0846 FNL 0742 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 10 Township: 09.0S Range: 17.0E 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"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/11/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On 11/11/2014 Drill and set 7' of 14" conductor. Drill f/7' to 336 of 12 1/4" hole. P/U and run 7 joints of 8 5/8" casing set depth 328'KB. On 11/12/14 Cement w/155 sx of 15.8 # 1.19 yield G Neat cement. Returned 3 bbl to surface and bumped plug to 420 psi.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 24, 2014**

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 11/24/2014	

NEWFIELD

Casing

Conductor



Legal Well Name GMBU F-11-9-17		Wellbore Name Original Hole	
API/UWI 4301352794000	Surface Legal Location NENE 846 FNL 742 FEL Sec 10 T9S R17E	Field Name GMBU CTB8	Well Type Development
Well RC 500388889	County Duchesne	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	18	11/11/2014	11/11/2014
Vertical	12 1/4	18	336	11/11/2014	11/11/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Conductor	Set Depth (ftKB) 18	Run Date 11/11/2014	Set Tension (kips)	
Centralizers	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40	Welded	1	7.00	11.0	18.0			

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

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

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

NEWFIELD

Casing

Surface

Legal Well Name GMBU F-11-9-17		Wellbore Name Original Hole	
API/UWI 4301352794000	Surface Legal Location NENE 846 FNL 742 FEL Sec 10 T9S R17E	Field Name GMBU CTB8	Well Type Development
Well RC 500388889	County Duchesne	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	18	11/11/2014	11/11/2014
Vertical	12 1/4	18	336	11/11/2014	11/11/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Surface	Set Depth (ftKB)	328	Run Date	11/11/2014
Centralizers	3		Scratchers	
Set Tension (kips)				

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	1.58	11.0	12.6			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	42.95	12.6	55.5			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	225.22	55.5	280.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	280.7	281.7			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	44.78	281.7	326.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	326.5	328.0			

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

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

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

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU F-11-9-17
Qtr/Qtr NE/NE Section 10 Township 9S Range 17E
Lease Serial Number UTU-18043
API Number 43-013-52794

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

Date/Time 11/11/14 8:00 AM PM

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

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

Date/Time 11/11/14 3:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1

Submitted By Ryan Crum Phone Number 823-7065

Well Name/Number GMBU F-11-9-17

Qtr/Qtr NE/NE Section 10 Township 9S Range 17E

Lease Serial Number UTU-18043

API Number 43-013-52794

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

Date/Time 11/21/14 4:00 AM PM

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

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

Date/Time 11/22/14 3:00 AM PM

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-18043
		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 F-11-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013527940000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0846 FNL 0742 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 10 Township: 09.0S Range: 17.0E 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"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/15/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above well was placed on production on 12/15/2014 at 13:00 hours.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
December 23, 2014**

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 12/19/2014	

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

5. Lease Serial No.
UTU18043

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

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 F-11-9-17

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

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

9. API Well No.
43-013-52794

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

At surface 846' FNL 742' FEL (NE/NE) SEC 10 T9S R17E (UTU-18043)

At top prod. interval reported below 1352' FNL 57' FWL (SW/NW) SEC 11 T9S R17E (UTU-79013)

At total depth 1565' FNL 396' FWL (SW/NW) SEC 11 T9S R17E (UTU-79013)

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC 10 T9S R17E Mer SLB

12. County or Parish DUCHESNE
13. State UT

14. Date Spudded
11/11/2014

15. Date T.D. Reached
11/22/2014

16. Date Completed 12/15/2014
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5082' GL 5093' KB

18. Total Depth: MD 6084'
TVD 5910'

19. Plug Back T.D.: MD 6028'
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'	328'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6075'		270 Econocem		0'	
						470Expandacem			

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@5781'	TA@5710'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4610'	5743'	4610' - 5743' MD	0.34	47	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4610' - 5743' MD	Frac w/ 205,800#s of 20/40 white sand in 2,018 bbls of Lightning 17 fluid, in 3 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
12/15/14	12/25/14	24	→	67					2.5 X 1.75 X 20 X 22 X 22 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 GARDEN GULCH 1	3642' 3829'
				GARDEN GULCH 2 POINT 3	3943' 4214'
				X MRKR Y MRKR	4465' 4499'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4630' 4873'
				B LIMESTONE MRK CASTLE PEAK	5002' 5472'
				BASAL CARBONATE WASATCH	5904' 6024'

32. Additional remarks (include plugging procedure):

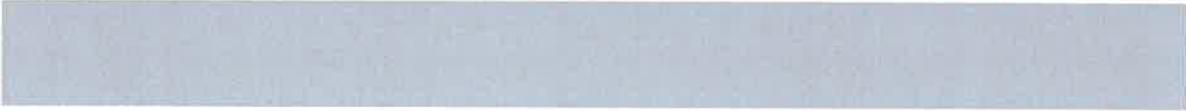
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- 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 01/06/2015

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 10
F-11-9-17
Wellbore #1**

Design: Actual

End of Well Report

26 November, 2014



Payzone Directional

End of Well Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 10
Well: F-11-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well F-11-9-17
TVD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
MD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone
System Datum: Mean Sea Level

Site SECTION 10, SEC 10 TT9S, R17E

Site Position:
From: Lat/Long
Position Uncertainty: 0.0 usft
Northing: 7,188,895.00 usft
Easting: 2,062,318.00 usft
Slot Radius: 13-3/16 "
Latitude: 40° 2' 44.227 N
Longitude: 109° 59' 34.330 W
Grid Convergence: 0.97 °

Well F-11-9-17, 40°03'01.33" -109°59'09.41"

Well Position +N/-S 0.0 usft
 +E/-W 0.0 usft
Position Uncertainty 0.0 usft
Northing: 7,190,657.95 usft
Easting: 2,064,226.28 usft
Wellhead Elevation: 5,093.0 usft
Latitude: 40° 3' 1.330 N
Longitude: 109° 59' 9.410 W
Ground Level: 5,082.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/13/2014	10.85	65.73	51,950

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	122.30

Survey Program Date 11/26/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
378.0	6,084.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

NEWFIELD

Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 10
 Well: F-11-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well F-11-9-17
 TVD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 MD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
378.0	1.89	133.50	377.9	6.1	-4.3	4.5	0.50	0.50	0.00
409.0	2.55	134.16	408.9	7.3	-5.1	5.4	2.13	2.13	2.13
439.0	2.99	137.28	438.9	8.7	-6.2	6.4	1.55	1.47	10.40
470.0	3.08	134.34	469.8	10.3	-7.3	7.5	0.58	0.29	-9.48
501.0	3.03	132.58	500.8	11.9	-8.5	8.7	0.34	-0.16	-5.68
532.0	3.16	133.50	531.7	13.6	-9.6	10.0	0.45	0.42	2.97
562.0	3.38	128.32	561.7	15.3	-10.7	11.3	1.23	0.73	-17.27
593.0	3.65	129.02	592.6	17.1	-11.9	12.7	0.88	0.87	2.26
624.0	3.56	127.52	623.6	19.1	-13.1	14.3	0.42	-0.29	-4.84
655.0	3.60	120.05	654.5	21.0	-14.2	15.9	1.51	0.13	-24.10
685.0	3.91	113.15	684.4	23.0	-15.1	17.6	1.82	1.03	-23.00
716.0	3.78	111.48	715.4	25.0	-15.9	19.6	0.55	-0.42	-5.39
747.0	4.26	114.96	746.3	27.2	-16.7	21.5	1.74	1.55	11.23
778.0	4.57	117.86	777.2	29.5	-17.8	23.7	1.23	1.00	9.35
808.0	4.92	118.96	807.1	32.0	-19.0	25.9	1.21	1.17	3.67
839.0	5.10	118.56	838.0	34.7	-20.3	28.2	0.59	0.58	-1.29
870.0	5.32	121.77	868.9	37.5	-21.7	30.7	1.18	0.71	10.35
901.0	5.49	119.93	899.7	40.4	-23.2	33.2	0.78	0.55	-5.94
931.0	5.63	122.87	929.6	43.3	-24.7	35.7	1.06	0.47	9.80
962.0	5.80	125.24	960.4	46.4	-26.4	38.2	0.94	0.55	7.65
993.0	5.71	125.88	991.3	49.5	-28.2	40.7	0.36	-0.29	2.06
1,024.0	5.98	125.46	1,022.1	52.7	-30.1	43.3	0.88	0.87	-1.35
1,054.0	6.33	124.05	1,051.9	55.9	-31.9	46.0	1.27	1.17	-4.70
1,100.0	7.47	122.08	1,097.6	61.4	-34.9	50.6	2.53	2.48	-4.28
1,146.0	8.17	119.66	1,143.2	67.7	-38.1	56.0	1.68	1.52	-5.26
1,190.0	8.44	120.23	1,186.7	74.0	-41.3	61.5	0.64	0.61	1.30

NEWFIELD



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 10
 Well: F-11-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well F-11-9-17
 TVD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 MD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,235.0	9.13	123.23	1,231.2	80.9	-44.9	67.3	1.84	1.53	6.67
1,281.0	9.54	123.79	1,276.6	88.4	-49.0	73.5	0.91	0.89	1.22
1,327.0	9.93	122.27	1,321.9	96.1	-53.3	80.1	1.02	0.85	-3.30
1,372.0	10.46	121.64	1,366.2	104.1	-57.5	86.8	1.20	1.18	-1.40
1,418.0	11.12	120.41	1,411.4	112.7	-61.9	94.2	1.52	1.43	-2.67
1,464.0	11.51	118.91	1,456.5	121.7	-66.4	102.0	1.06	0.85	-3.26
1,510.0	11.65	120.54	1,501.6	130.9	-71.0	110.1	0.77	0.30	3.54
1,556.0	12.17	121.55	1,546.6	140.4	-75.9	118.2	1.22	1.13	2.20
1,602.0	12.83	121.99	1,591.5	150.4	-81.1	126.6	1.45	1.43	0.96
1,647.0	13.32	122.82	1,635.3	160.6	-86.6	135.2	1.17	1.09	1.84
1,691.0	13.75	123.48	1,678.1	170.9	-92.2	143.9	1.04	0.98	1.50
1,737.0	14.19	121.06	1,722.7	182.0	-98.1	153.3	1.59	0.96	-5.26
1,783.0	14.63	120.19	1,767.3	193.4	-104.0	163.1	1.07	0.96	-1.89
1,827.0	15.07	119.57	1,809.8	204.7	-109.6	172.9	1.06	1.00	-1.41
1,872.0	15.57	120.36	1,853.2	216.6	-115.5	183.2	1.20	1.11	1.76
1,918.0	15.73	121.70	1,897.5	229.0	-121.9	193.8	0.86	0.35	2.91
1,964.0	15.42	121.28	1,941.8	241.3	-128.4	204.3	0.72	-0.67	-0.91
2,008.0	15.61	121.27	1,984.2	253.1	-134.5	214.4	0.43	0.43	-0.02
2,054.0	15.64	122.82	2,028.5	265.5	-141.0	224.9	0.91	0.07	3.37
2,099.0	15.69	122.21	2,071.8	277.6	-147.6	235.1	0.38	0.11	-1.36
2,145.0	15.51	119.35	2,116.2	290.0	-153.9	245.8	1.72	-0.39	-6.22
2,191.0	15.47	119.35	2,160.5	302.2	-159.9	256.5	0.09	-0.09	0.00
2,237.0	15.91	119.13	2,204.8	314.7	-166.0	267.3	0.97	0.96	-0.48
2,282.0	16.56	120.14	2,248.0	327.2	-172.2	278.3	1.57	1.44	2.24
2,328.0	16.66	121.20	2,292.1	340.4	-178.9	289.6	0.69	0.22	2.30
2,372.0	16.52	120.67	2,334.2	352.9	-185.4	300.4	0.47	-0.32	-1.20
2,418.0	16.39	119.39	2,378.3	366.0	-191.9	311.6	0.84	-0.28	-2.78



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well F-11-9-17
Project:	USGS Myton SW (UT)	TVD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Site:	SECTION 10	MD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Well:	F-11-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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)	
2,464.0	15.95	121.15	2,422.5	378.8	-198.4	322.7	1.43	-0.96	3.83	
2,507.0	15.86	122.95	2,463.9	390.5	-204.6	332.7	1.17	-0.21	4.19	
2,553.0	15.38	125.02	2,508.2	402.9	-211.5	343.0	1.60	-1.04	4.50	
2,597.0	14.68	126.56	2,550.7	414.3	-218.2	352.2	1.83	-1.59	3.50	
2,643.0	14.63	126.56	2,595.2	425.9	-225.1	361.6	0.11	-0.11	0.00	
2,689.0	15.07	126.73	2,639.6	437.7	-232.2	371.0	0.96	0.96	0.37	
2,734.0	15.34	126.21	2,683.1	449.4	-239.2	380.5	0.67	0.60	-1.16	
2,780.0	15.86	125.77	2,727.4	461.8	-246.5	390.5	1.16	1.13	-0.96	
2,826.0	15.91	125.06	2,771.6	474.4	-253.8	400.8	0.44	0.11	-1.54	
2,872.0	16.04	122.16	2,815.8	487.0	-260.8	411.3	1.76	0.28	-6.30	
2,916.0	16.57	122.30	2,858.1	499.4	-267.3	421.8	1.21	1.20	0.32	
2,960.0	16.70	122.21	2,900.2	512.0	-274.1	432.4	0.30	0.30	-0.20	
3,005.0	15.71	122.89	2,943.4	524.5	-280.8	443.0	2.24	-2.20	1.51	
3,050.0	15.21	122.08	2,986.8	536.5	-287.3	453.1	1.21	-1.11	-1.80	
3,096.0	16.04	122.69	3,031.1	548.9	-293.9	463.6	1.84	1.80	1.33	
3,141.0	16.39	124.49	3,074.3	561.5	-300.9	474.1	1.36	0.78	4.00	
3,187.0	16.70	124.54	3,118.4	574.6	-308.3	484.8	0.67	0.67	0.11	
3,232.0	16.26	122.87	3,161.6	587.3	-315.4	495.5	1.44	-0.98	-3.71	
3,278.0	16.00	120.58	3,205.7	600.1	-322.1	506.3	1.49	-0.57	-4.98	
3,324.0	16.13	121.37	3,250.0	612.8	-328.6	517.2	0.55	0.28	1.72	
3,370.0	16.08	121.99	3,294.1	625.6	-335.3	528.1	0.39	-0.11	1.35	
3,416.0	16.04	121.94	3,338.4	638.3	-342.1	538.9	0.09	-0.09	-0.11	
3,461.0	16.17	122.87	3,381.6	650.8	-348.8	549.4	0.64	0.29	2.07	
3,507.0	16.00	121.99	3,425.8	663.5	-355.6	560.2	0.65	-0.37	-1.91	
3,553.0	14.94	121.99	3,470.1	675.8	-362.1	570.6	2.30	-2.30	0.00	
3,598.0	14.46	120.01	3,513.6	687.2	-368.0	580.4	1.54	-1.07	-4.40	
3,642.0	14.06	119.39	3,556.3	698.0	-373.4	589.8	0.97	-0.91	-1.41	

NEWFIELD

Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well F-11-9-17
Project:	USGS Myton SW (UT)	TVD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Site:	SECTION 10	MD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Well:	F-11-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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)
3,686.0	13.58	118.43		3,599.0	708.5	-378.4	599.0	1.21	-1.09	-2.18
3,732.0	13.84	120.05		3,643.7	719.4	-383.8	608.5	1.01	0.57	3.52
3,778.0	14.28	122.03		3,688.3	730.6	-389.5	618.1	1.42	0.96	4.30
3,824.0	14.85	121.50		3,732.8	742.2	-395.6	627.9	1.27	1.24	-1.15
3,869.0	15.34	119.57		3,776.3	753.9	-401.6	638.0	1.56	1.09	-4.29
3,913.0	16.08	121.15		3,818.7	765.8	-407.6	648.3	1.94	1.68	3.59
3,959.0	16.48	121.33		3,862.8	778.7	-414.3	659.3	0.88	0.87	0.39
4,005.0	16.79	123.48		3,906.9	791.8	-421.3	670.4	1.50	0.67	4.67
4,051.0	16.57	124.18		3,950.9	805.0	-428.7	681.4	0.65	-0.48	1.52
4,095.0	16.22	124.32		3,993.2	817.4	-435.7	691.7	0.80	-0.80	0.32
4,140.0	15.60	123.79		4,036.4	829.8	-442.6	701.9	1.42	-1.38	-1.18
4,184.0	15.30	122.59		4,078.8	841.5	-449.0	711.7	1.00	-0.68	-2.73
4,230.0	15.25	123.04		4,123.2	853.6	-455.6	721.9	0.28	-0.11	0.98
4,276.0	14.55	121.06		4,167.7	865.4	-461.8	731.9	1.88	-1.52	-4.30
4,321.0	14.15	121.42		4,211.3	876.6	-467.6	741.4	0.91	-0.89	0.80
4,367.0	14.28	121.94		4,255.9	887.9	-473.6	751.0	0.40	0.28	1.13
4,413.0	14.90	123.97		4,300.4	899.5	-479.9	760.8	1.75	1.35	4.41
4,459.0	15.03	123.35		4,344.8	911.3	-486.5	770.7	0.45	0.28	-1.35
4,505.0	14.81	124.14		4,389.3	923.2	-493.0	780.5	0.65	-0.48	1.72
4,550.0	14.41	124.71		4,432.8	934.5	-499.4	789.9	0.94	-0.89	1.27
4,596.0	14.24	126.38		4,477.4	945.9	-506.1	799.1	0.97	-0.37	3.63
4,642.0	14.11	126.78		4,522.0	957.1	-512.8	808.2	0.35	-0.28	0.87
4,688.0	14.12	127.00		4,566.6	968.3	-519.5	817.1	0.12	0.02	0.48
4,734.0	14.29	125.80		4,611.2	979.6	-526.2	826.2	0.74	0.37	-2.61
4,779.0	14.19	124.40		4,654.8	990.6	-532.6	835.3	0.80	-0.22	-3.11
4,823.0	14.37	125.33		4,697.4	1,001.5	-538.8	844.2	0.66	0.41	2.11
4,867.0	14.90	124.67		4,740.0	1,012.6	-545.2	853.3	1.26	1.20	-1.50

NEWFIELD

Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 10
 Well: F-11-9-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well F-11-9-17
 TVD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 MD Reference: F-11-9-17 @ 5093.0usft (SS # 1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,913.0	15.07	124.80	4,784.5	1,024.4	-551.9	863.1	0.38	0.37	0.28
4,959.0	15.16	122.96	4,828.9	1,036.4	-558.6	873.0	1.06	0.20	-4.00
5,004.0	14.63	121.37	4,872.3	1,048.0	-564.8	882.8	1.49	-1.18	-3.53
5,050.0	14.77	119.97	4,916.8	1,059.7	-570.7	892.9	0.83	0.30	-3.04
5,096.0	14.46	118.74	4,961.4	1,071.3	-576.4	903.0	0.95	-0.67	-2.67
5,142.0	15.12	119.61	5,005.8	1,083.0	-582.1	913.2	1.51	1.43	1.89
5,188.0	15.38	120.80	5,050.2	1,095.1	-588.2	923.7	0.88	0.57	2.59
5,233.0	15.69	120.71	5,093.6	1,107.1	-594.4	934.0	0.69	0.69	-0.20
5,279.0	16.08	120.63	5,137.8	1,119.7	-600.8	944.9	0.85	0.85	-0.17
5,325.0	16.39	121.11	5,182.0	1,132.6	-607.4	955.9	0.73	0.67	1.04
5,371.0	17.05	122.21	5,226.0	1,145.8	-614.4	967.2	1.59	1.43	2.39
5,417.0	16.99	122.81	5,270.0	1,159.3	-621.6	978.5	0.40	-0.13	1.30
5,462.0	15.92	121.33	5,313.2	1,172.0	-628.4	989.3	2.55	-2.38	-3.29
5,506.0	16.00	121.20	5,355.5	1,184.1	-634.6	999.7	0.20	0.18	-0.30
5,550.0	16.88	122.30	5,397.7	1,196.6	-641.2	1,010.2	2.12	2.00	2.50
5,596.0	17.84	123.17	5,441.6	1,210.3	-648.6	1,021.8	2.16	2.09	1.89
5,642.0	17.71	123.09	5,485.4	1,224.3	-656.3	1,033.6	0.29	-0.28	-0.17
5,688.0	17.75	121.59	5,529.2	1,238.3	-663.8	1,045.4	1.00	0.09	-3.26
5,734.0	18.06	122.08	5,573.0	1,252.5	-671.3	1,057.4	0.75	0.67	1.07
5,779.0	17.36	123.22	5,615.8	1,266.2	-678.6	1,068.9	1.74	-1.56	2.53
5,825.0	16.79	122.43	5,659.8	1,279.7	-686.0	1,080.3	1.34	-1.24	-1.72
5,871.0	16.61	121.72	5,703.9	1,292.9	-693.0	1,091.5	0.59	-0.39	-1.54
5,917.0	15.47	120.58	5,748.1	1,305.6	-699.6	1,102.4	2.57	-2.48	-2.48
5,962.0	14.46	119.48	5,791.6	1,317.2	-705.4	1,112.4	2.33	-2.24	-2.44
6,006.0	14.33	119.22	5,834.2	1,328.1	-710.7	1,121.9	0.33	-0.30	-0.59
6,028.0	13.75	118.74	5,855.5	1,333.4	-713.3	1,126.6	2.69	-2.64	-2.18
6,084.0	13.75	118.74	5,909.9	1,346.7	-719.7	1,138.3	0.00	0.00	0.00

NEWFIELD



Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well F-11-9-17
Project:	USGS Myton SW (UT)	TVD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Site:	SECTION 10	MD Reference:	F-11-9-17 @ 5093.0usft (SS # 1)
Well:	F-11-9-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Checked By: _____	Approved By: _____	Date: _____
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Sundry Number: 59941 API Well Number: 43013527940000

NEWFIELD



Project: USGS Myton SW (UT)

Site: SECTION 10

Well: F-11-9-17

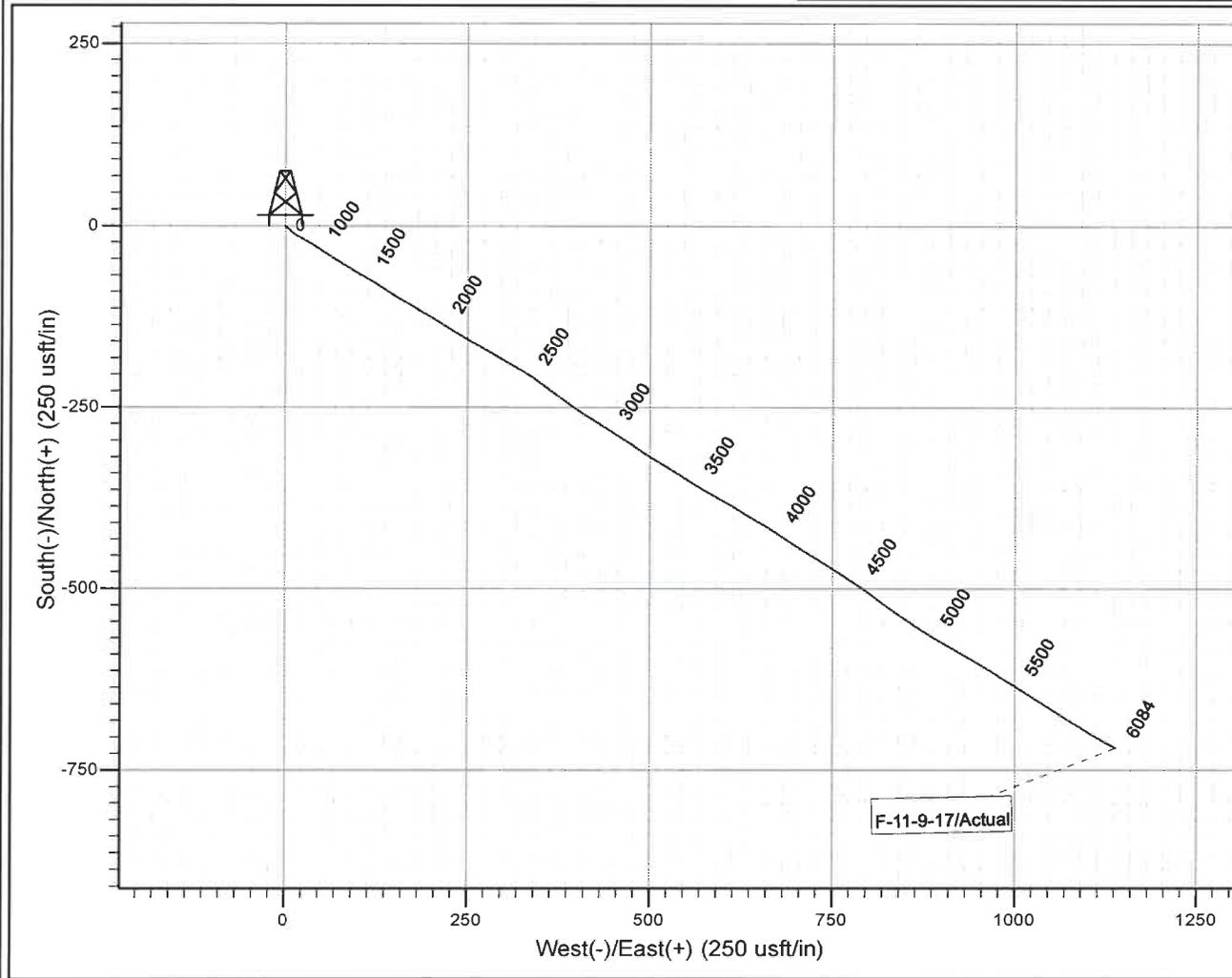
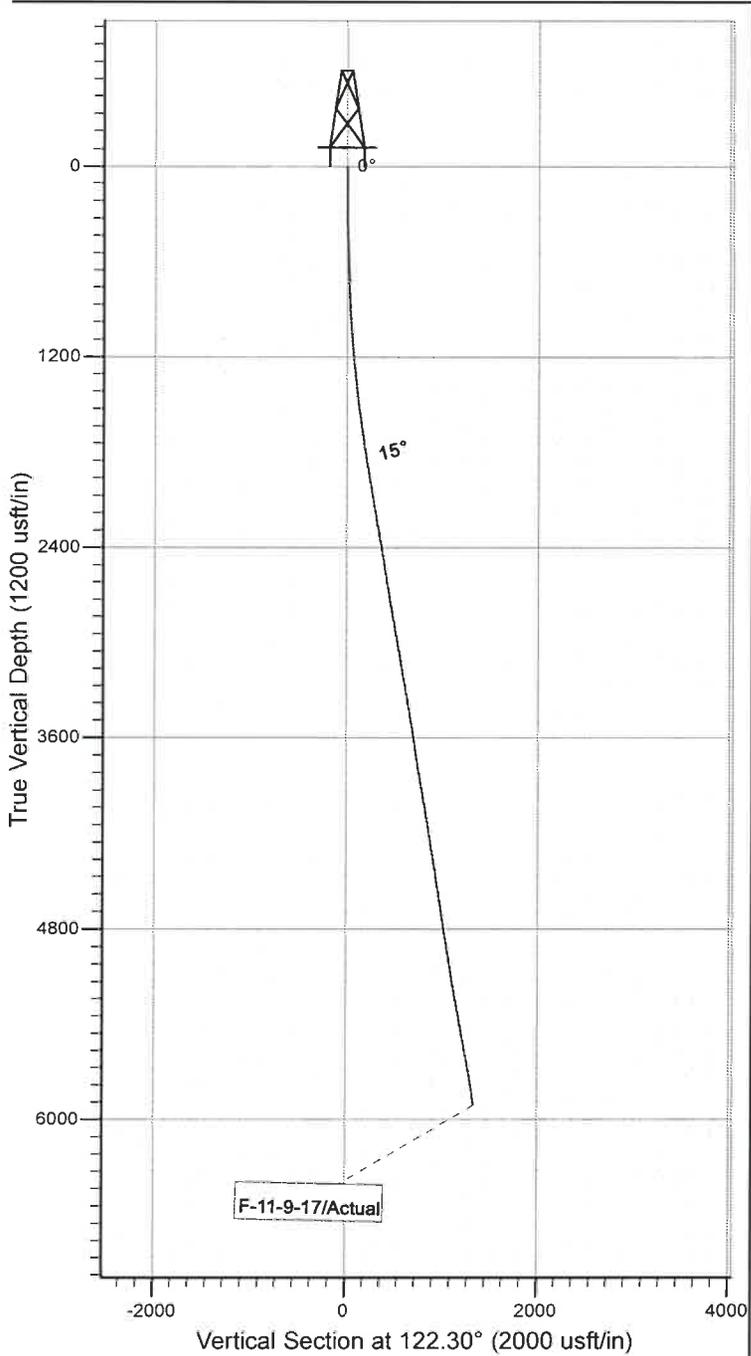
Wellbore: Wellbore #1

Design: Actual



Azimuths to True North
Magnetic North: 10.85°

Magnetic Field
Strength: 51950.2snT
Dip Angle: 65.73°
Date: 11/13/2014
Model: IGRF2010



Design: Actual (F-11-9-17/Wellbore #1)

Created By: *Matthew Linton*

Date: 8:20, November 26

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

NEWFIELD



Summary Rig Activity

Well Name: GMBU F-11-9-17

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
11/26/2014	11/27/2014	Bond Log, Perforate first stage
Start Time	End Time	Comment
12:00	00:00	SWIFN
Start Time	End Time	Comment
00:00	02:00	Bond Log, TOC @ surface, Logged dwn to 5983 @ 0 psi, marker jnt @ 3408-18
Start Time	End Time	Comment
02:00	04:00	B&C tested Csg, Frac valve, Single blind, Csg valves, and flow back valves
Start Time	End Time	Comment
04:00	12:00	SWIFW
Report Start Date	Report End Date	24hr Activity Summary
12/2/2014	12/3/2014	Frac
Start Time	End Time	Comment
00:00	07:00	SDFN
Start Time	End Time	Comment
07:00	08:00	Safety meeting, RU Nabors Frac Press test Lines,
Start Time	End Time	Comment
08:00	09:00	(Stg #1 17# Frac) CP-4, CP-2, AND CP-1 Formations W/96492 #17 20/40 white sand, W/810.23 bbls. ISIP 1816 psi FG .76
Start Time	End Time	Comment
09:00	10:00	RIH J-W wireline setting CBP @ 5210, Peformate the A1 @ 5133-35, 5118-20, and 5105-07 W/ 3 1/8" disposable guns, .43 EHD, 180 degree phasing, 16 gram charge, 12 holes 2 SPF
Start Time	End Time	Comment
10:00	10:30	(Stg #2 17# Frac) Frac A1 Formation W/ 29656 # 17 20/40 white sand. W/ 481.12 bbls. ISIP 1795 psi W/.78 FG
Start Time	End Time	Comment
10:30	11:30	(Stg #3) RU J-W wireline, MU RIH W/ Plug & 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 2 spf) Set plug@4920, Perforate the C-SAND @ 4836-40 and 4823-25 DS@ 4610-11 (14 holes)
Start Time	End Time	Comment
11:30	12:00	(Stg #3 17# Frac) Frac DS and C-SAND Formations W/ 69631#17 20/40 white sand. W/726.91 total bbls pumped ISIP 1722 psi W/.77 FG. Running 20,000# short of sand
Start Time	End Time	Comment
12:00	13:30	RD Frac Crew, Move off location
Start Time	End Time	Comment
13:30	15:30	Flowback well, flowing back 300 bbls before turning to oil
Start Time	End Time	Comment
15:30	16:30	Set Kill Plug @ 4550
Start Time	End Time	Comment
16:30	00:00	SWIFN
Report Start Date	Report End Date	24hr Activity Summary
12/11/2014	12/12/2014	Press test BOP MORU Rig PU Tbg RIH Drill Out KP
Start Time	End Time	Comment
00:00	09:00	SDFN
Start Time	End Time	Comment
09:00	10:30	RU B&C Press test Pipe BOPs Low 275psi & 5000psi high
Start Time	End Time	Comment
10:30	12:00	RU rig on the F-11-9-17, RU floor & tbg equip. Unload tbg onto pipe racks, Prep & talley Tbg
Start Time	End Time	Comment
12:00	14:00	PU & TIH w/used 4-3/4" Chomp bit, sub, PSN, 88 jts tbg, Prep & Talley the rest of the tbg total of 188 jts. Take lunch break.

NEWFIELD



Summary Rig Activity

Well Name: GMBU F-11-9-17

Start Time	14:00	End Time	17:30	Comment
				Cont PU & TIH to KP @4550' jt 139, tag sand @4475' jt 136, clean out 75' fill to Plug drill plug in 20 min, Circ well clean of sand. SWION drain pump & hoses, Tarp well head & start heater
Start Time	17:30	End Time	18:30	Comment
				Crew Travel
Start Time	18:30	End Time	00:00	Comment
				SDFN
Report Start Date	Report End Date	24hr Activity Summary		
12/12/2014	12/13/2014	Finish Clean out Trip & Land Tbg		
Start Time	00:00	End Time	06:00	Comment
				SDFN
Start Time	06:00	End Time	07:00	Comment
				Crew Travel & Safety mtg
Start Time	07:00	End Time	10:00	Comment
				Check pressure on well, 300psi all around, bleed off well to flat tank & pump 30 bbls down tbg, cont PU & TIH w/Graco Swivel to 2nd plug @4920' jt 150, Drill plug in 11 min, circ well for 10 min & cont PU & TIH to 3rd plug @5210' jt 159, drill plug in 16 min, Circ well for 20 min.
Start Time	10:00	End Time	13:00	Comment
				Hang back Power swivel, PU & TIH to PBTD @6028' jt 183 all in, tag sand @5800' jt 176, clean out 228' sand to PBTD & circ well clean of sand. & Rack out Power Swivel. Take Lunch Break
Start Time	13:00	End Time	15:00	Comment
				LD extra tbg & TOOH w/total of 175 jts tbg, LD Bit & sub, PSN.
Start Time	15:00	End Time	17:30	Comment
				TIH w/BHA as follows - NC, 1 jt, PSN, 1 jt, TAC, 173 jts tbg, Pre set TAC good, Land well w/Donut & ND pipe rams & blind ram. Unland donut & set TAC w/18000# Tension Top TAC @5710', Top PSN @5746', EOT @5780', 247' Rat Hole to PBTD @6028', Land well w/Donut & lock pins, NU B1-adaptor flange & XO to rod equip. SWIOW drain pump & hoses & tarp well head ready to start heater. SDFN @5:30pm
Start Time	17:30	End Time	18:30	Comment
				Crew Travel
Start Time	18:30	End Time	00:00	Comment
				SDFN
Report Start Date	Report End Date	24hr Activity Summary		
12/15/2014	12/15/2014	PU RIH W/ Rods		
Start Time	00:00	End Time	06:00	Comment
				SDFN
Start Time	06:00	End Time	07:00	Comment
				Crew Travel & Safety mtg
Start Time	07:00	End Time	11:00	Comment
				PU & Stroke test New Weatherford ALS pump, good - 2.5x1.75xRHACx20x22x22, ms - 184", Double Valve Cali/Cali, sand diverter, PU & TIH w/30 - 7/8" 8per, 122 - 3/4" 4per, 76 - 7/8" 4per, 2' x 7/8" Pony, PU 1-1/2" x 30' SM Polish Rod, stroke test pump to 800 psi good,
Start Time	11:00	End Time	12:00	Comment
				PU & RU Horses Head & Flow Line test again good. .
Start Time	12:00	End Time	13:00	Comment
				RD rig ready to PWOP w/145" sl @ 5spm
Start Time	13:00	End Time	14:00	Comment
				Crew Travel