

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 127-36-8-16				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22061			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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		2147 FSL 1819 FWL		NESW	36	8.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1629 FSL 1952 FWL		NESW	36	8.0 S	16.0 E	S		
At Total Depth		1173 FSL 2055 FWL		SESW	36	8.0 S	16.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1173			23. NUMBER OF ACRES IN DRILLING UNIT 10				
27. ELEVATION - GROUND LEVEL 5491			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 699			26. PROPOSED DEPTH MD: 6479 TVD: 6389				
28. BOND NUMBER B001834			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 - 700	24.0	J-55 ST&C	8.3	Class G	321	1.17	15.8
PROD	7.875	5.5	0 - 6479	15.5	J-55 LT&C	8.3	Premium Lite High Strength	309	3.43	11.0
							50/50 Poz	363	1.24	14.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier			TITLE Regulatory Tech			PHONE 435 646-4825				
SIGNATURE			DATE 01/21/2013			EMAIL mcrozier@newfield.com				
API NUMBER ASSIGNED 43013519780000			APPROVAL			 Permit Manager				

NEWFIELD PRODUCTION COMPANY
GMBU 127-36-8-16
AT SURFACE: NE/SW SECTION 36, T8S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1690'
Green River	1690'
Wasatch	6440'
Proposed TD	6479'

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

Green River Formation (Oil)	1690' – 6440'
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Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

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

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU 127-36-8-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	700'	24.0	J-55	STC	2,950 7.51	1,370 6.15	244,000 14.52
Prod casing 5-1/2"	0'	6,479'	15.5	J-55	LTC	4,810 2.33	4,040 1.96	217,000 2.16

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 127-36-8-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	700'	Class G w/ 2% CaCl	321	30%	15.8	1.17
			376			
Prod casing Lead	4,479'	Prem Lite II w/ 10% gel + 3% KCl	309	30%	11.0	3.26
			1009			
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 ± 700 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 ± 700 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 @ 700' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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

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

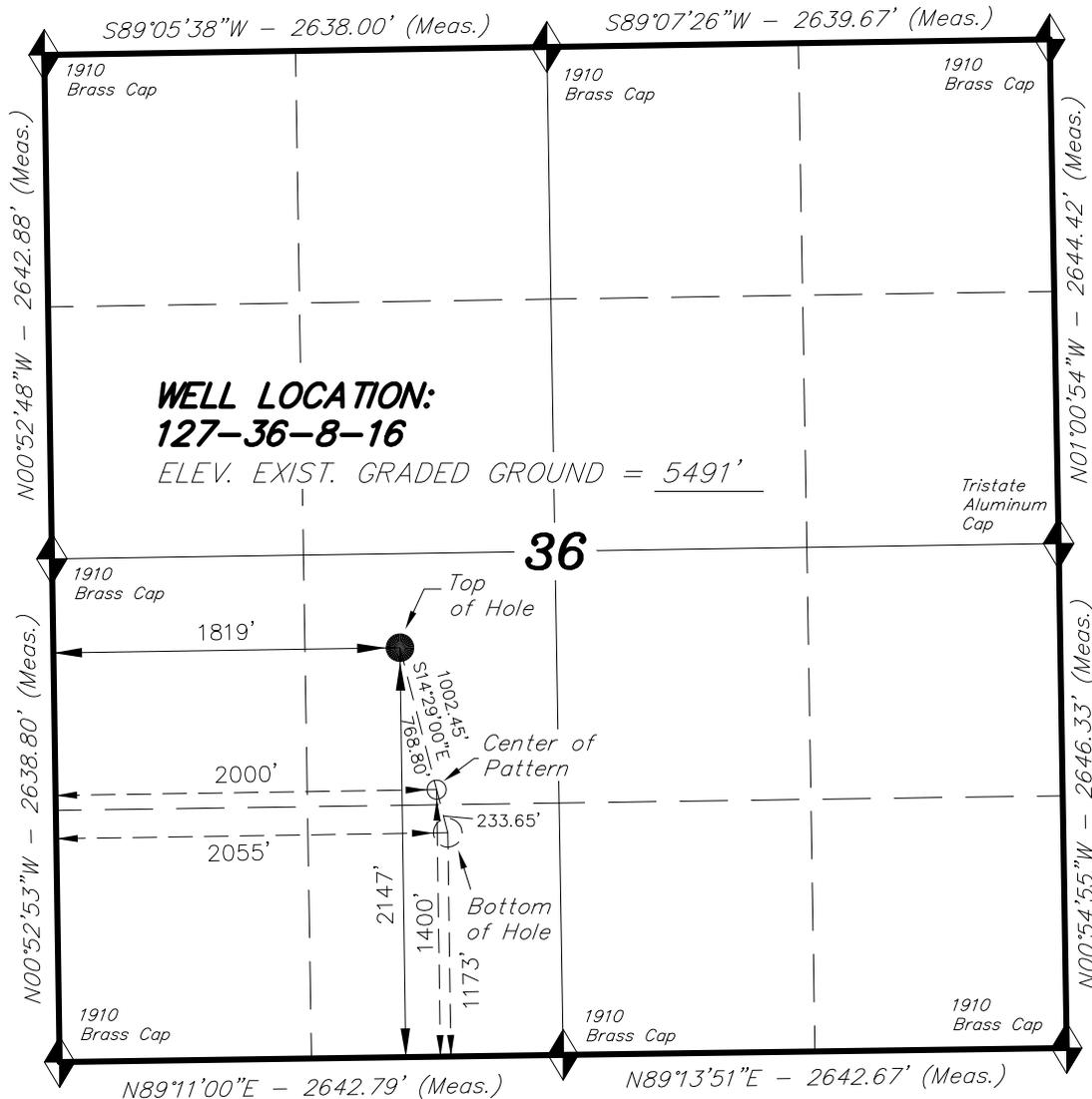
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the second quarter of 2013, and take approximately seven (7) days from spud to rig release.

T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

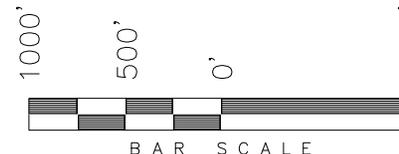


**WELL LOCATION:
127-36-8-16**

ELEV. EXIST. GRADED GROUND = 5491'

WELL LOCATION, 127-36-8-16,
LOCATED AS SHOWN IN THE NE 1/4
SW 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

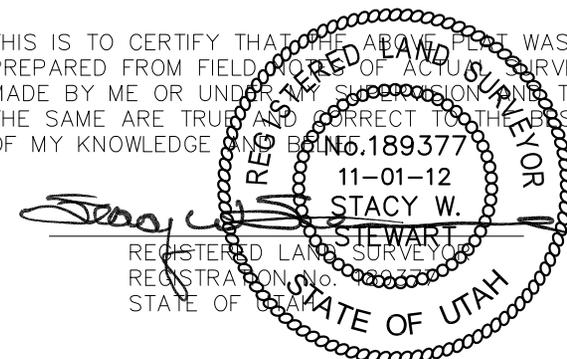
TARGET BOTTOM HOLE, 127-36-8-16,
LOCATED AS SHOWN IN THE SE 1/4
SW 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

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

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



NAD 83 (SURFACE LOCATION)
LATITUDE = 40°04'22.87"
LONGITUDE = 110°04'14.59"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°04'23.01"
LONGITUDE = 110°04'12.05"
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'13.25"
LONGITUDE = 110°04'11.57"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'13.38"
LONGITUDE = 110°04'09.03"

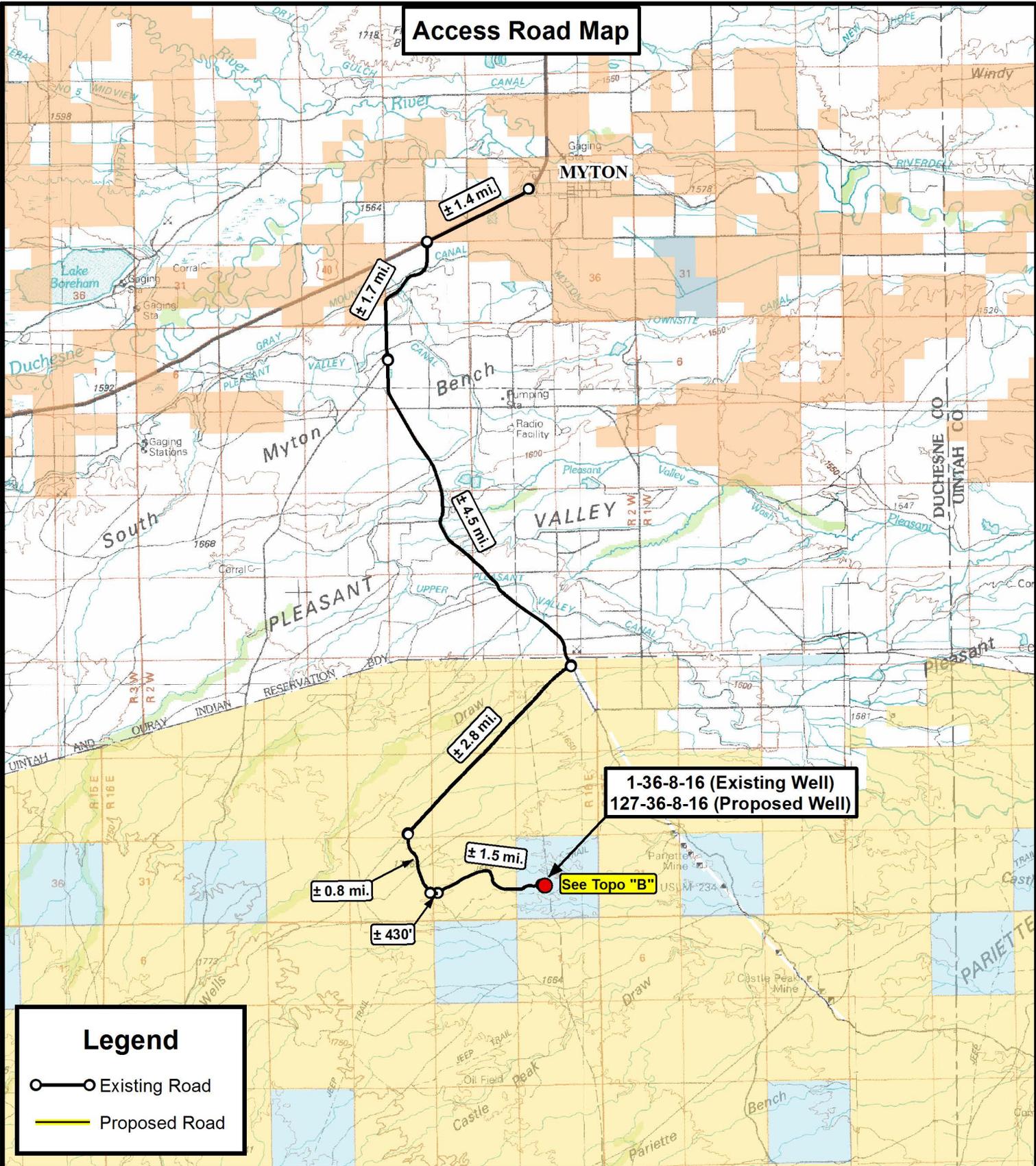
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 10-03-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 11-01-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

◆ = 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'

Access Road Map



1-36-8-16 (Existing Well)
127-36-8-16 (Proposed Well)

See Topo "B"

Legend

- Existing Road
- Proposed Road

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

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



NEWFIELD EXPLORATION COMPANY

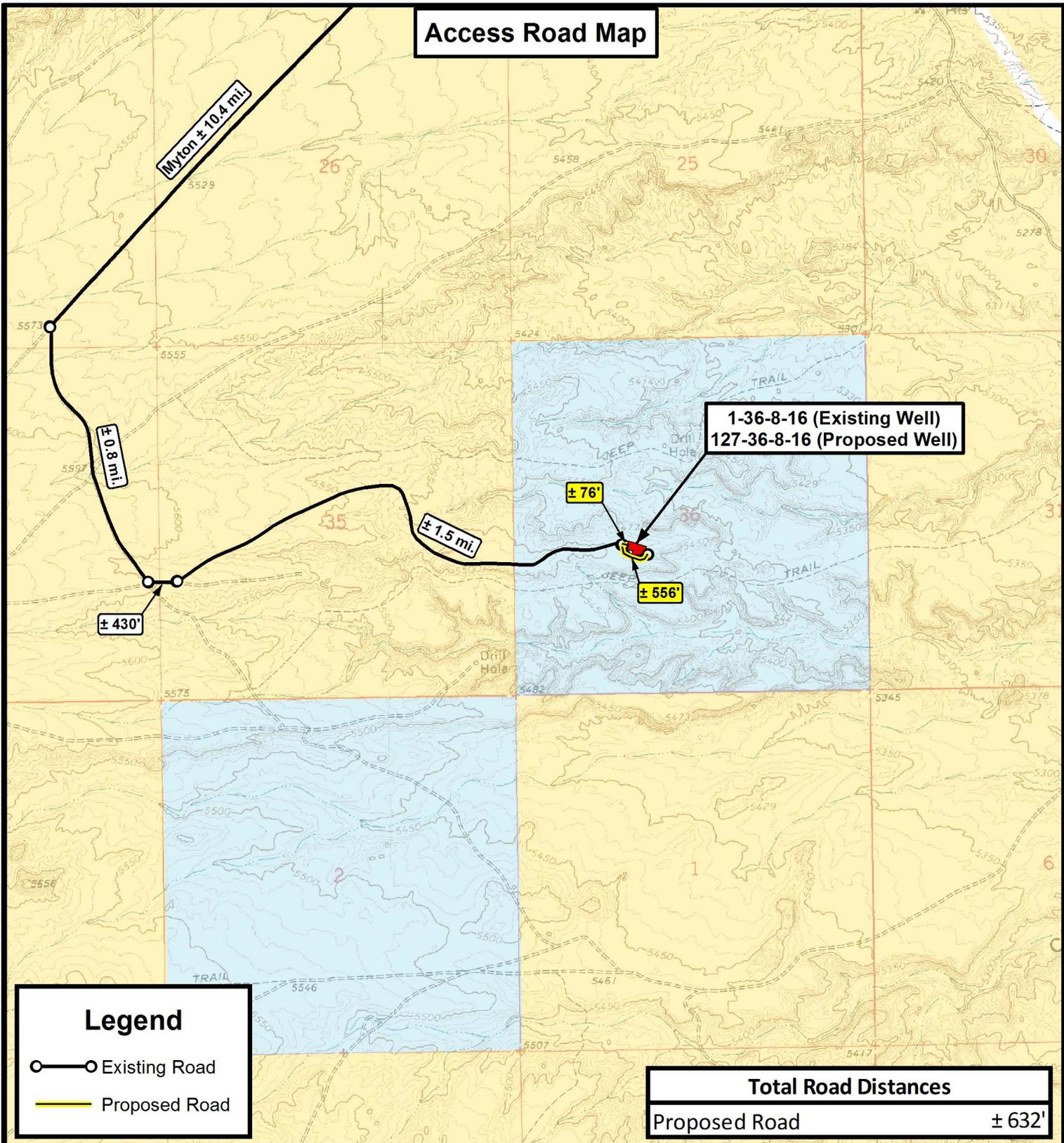
1-36-8-16 (Existing Well)
127-36-8-16 (Proposed Well)
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-14-2012		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



Legend

- Existing Road
- Proposed Road

Total Road Distances	
Proposed Road	± 632'

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

Tri State Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 P: (435) 781-2501
 F: (435) 781-2518



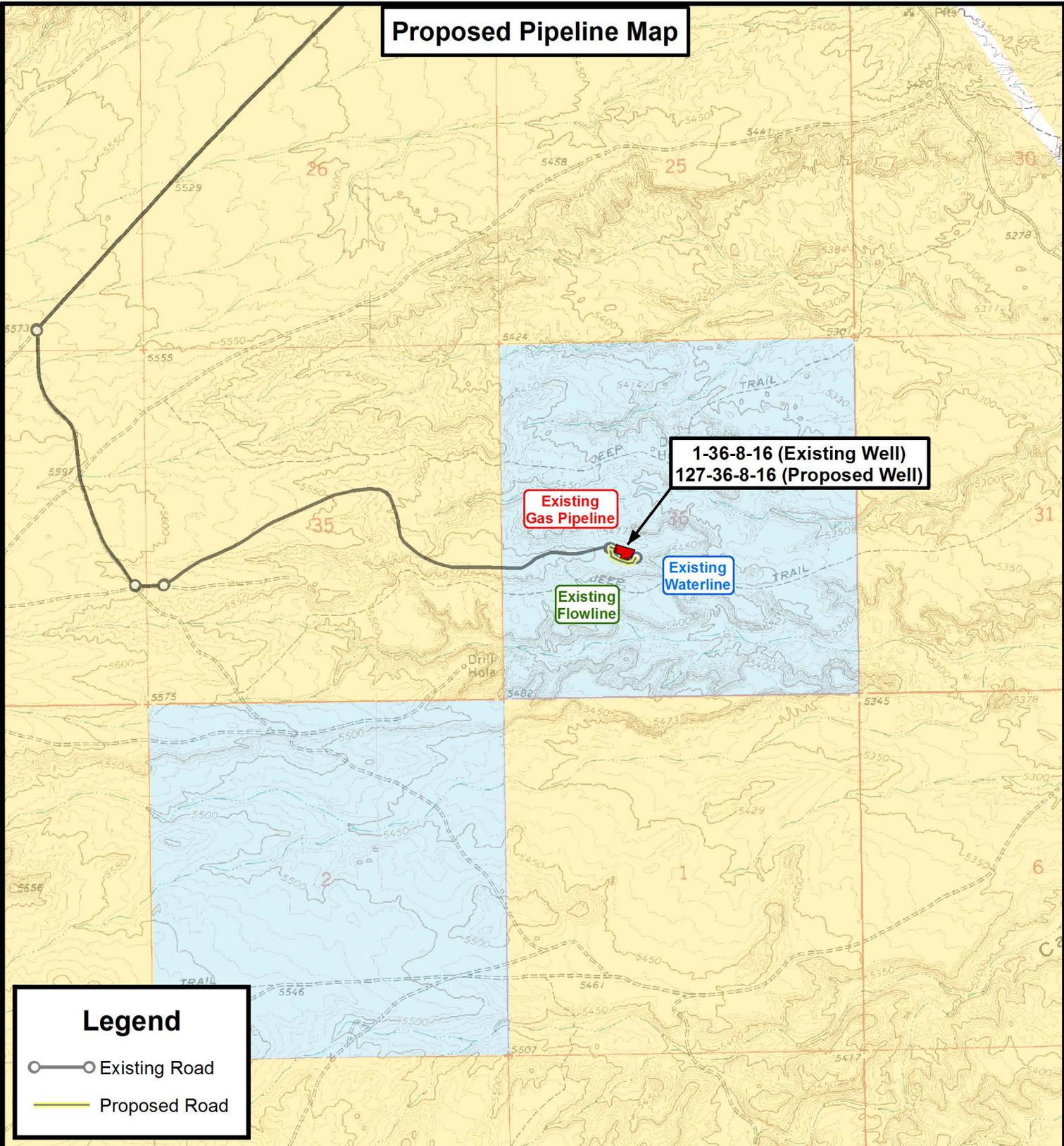
NEWFIELD EXPLORATION COMPANY
 1-36-8-16 (Existing Well)
 127-36-8-16 (Proposed Well)
 SEC. 36, T8S, R16E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-14-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET **B**

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road

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DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-14-2012		V1
SCALE:	1" = 2,000'		



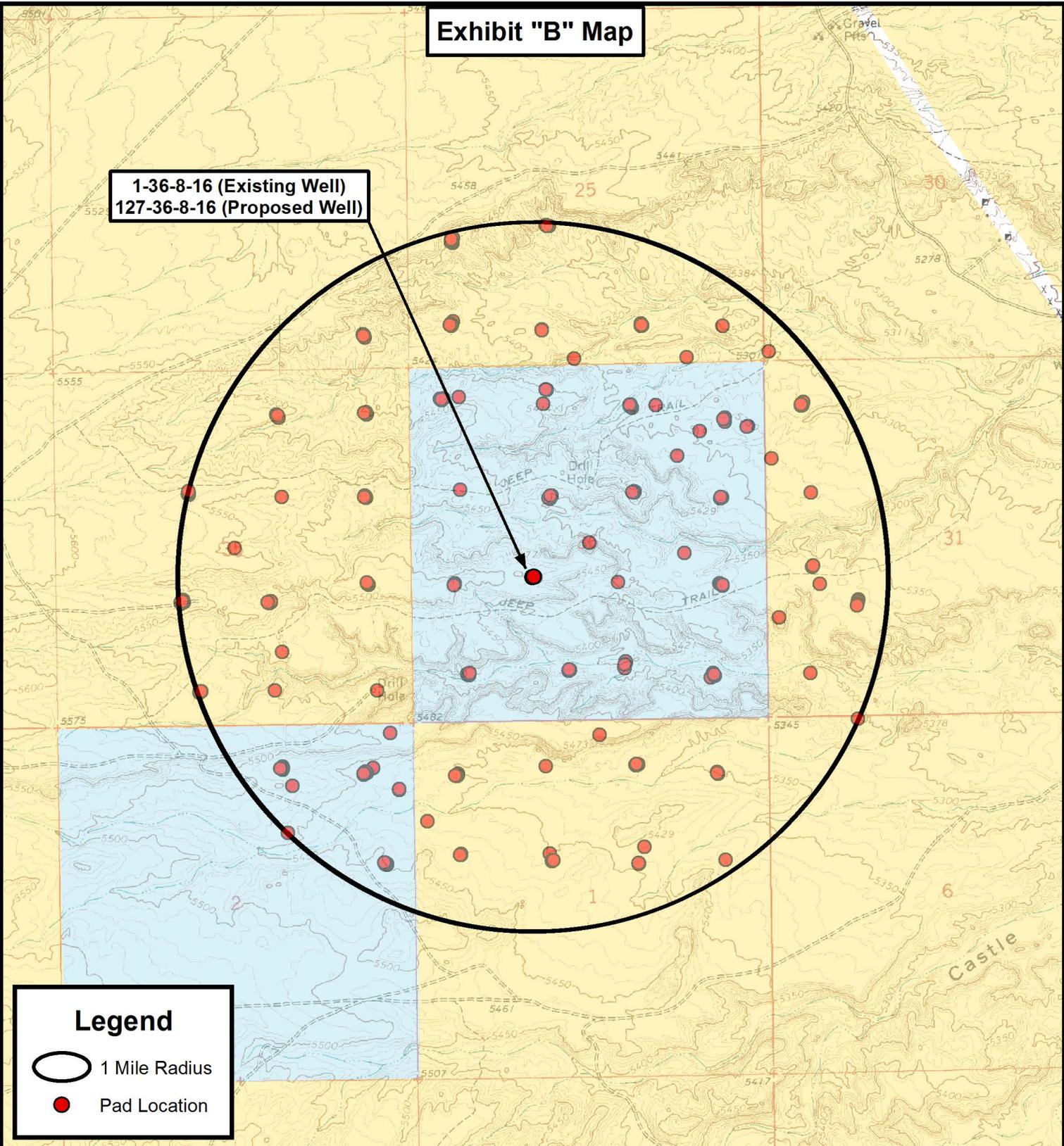
NEWFIELD EXPLORATION COMPANY

1-36-8-16 (Existing Well)
127-36-8-16 (Proposed Well)
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP	SHEET C
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Exhibit "B" Map

1-36-8-16 (Existing Well)
127-36-8-16 (Proposed Well)



Legend

-  1 Mile Radius
-  Pad Location

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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 F: (435) 781-2518

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	11-14-2012		V1
SCALE:	1" = 2,000'		



NEWFIELD EXPLORATION COMPANY

1-36-8-16 (Existing Well)
 127-36-8-16 (Proposed Well)
 SEC. 36, T8S, R16E, S.L.B.&M.
 Duchesne County, UT.

TOPOGRAPHIC MAP	SHEET D
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NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R16E
127-36-8-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

08 November, 2012





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 127-36-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R16E	North Reference:	True
Well:	127-36-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 36 T8S, R16E, SEC 26 T8S, R16E				
Site Position:		Northing:	7,202,697.00 ft	Latitude:	40° 5' 3.401 N
From:	Lat/Long	Easting:	2,045,250.00 ft	Longitude:	110° 3' 10.915 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.93 °

Well	127-36-8-16, SHL LAT: 40 04 22.87 LONG: -110 04 14.59					
Well Position	+N/-S	-4,101.6 ft	Northing:	7,198,516.87 ft	Latitude:	40° 4' 22.870 N
	+E/-W	-4,948.9 ft	Easting:	2,040,367.31 ft	Longitude:	110° 4' 14.590 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,503.0 ft	Ground Level:	5,491.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/8/2012	11.14	65.78	52,146

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	165.52

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	
1,296.1	10.44	165.52	1,292.2	-61.2	15.8	1.50	1.50	0.00	165.52	
5,189.3	10.44	165.52	5,121.0	-744.4	192.2	0.00	0.00	0.00	0.00	127-36-8-16 TGT
6,478.7	10.44	165.52	6,389.0	-970.6	250.7	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 127-36-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R16E	North Reference:	True
Well:	127-36-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	165.52	700.0	-1.3	0.3	1.3	1.50	1.50	0.00
800.0	3.00	165.52	799.9	-5.1	1.3	5.2	1.50	1.50	0.00
900.0	4.50	165.52	899.7	-11.4	2.9	11.8	1.50	1.50	0.00
1,000.0	6.00	165.52	999.3	-20.3	5.2	20.9	1.50	1.50	0.00
1,100.0	7.50	165.52	1,098.6	-31.6	8.2	32.7	1.50	1.50	0.00
1,200.0	9.00	165.52	1,197.5	-45.5	11.8	47.0	1.50	1.50	0.00
1,296.1	10.44	165.52	1,292.2	-61.2	15.8	63.2	1.50	1.50	0.00
1,300.0	10.44	165.52	1,296.1	-61.9	16.0	64.0	0.00	0.00	0.00
1,400.0	10.44	165.52	1,394.4	-79.5	20.5	82.1	0.00	0.00	0.00
1,500.0	10.44	165.52	1,492.8	-97.0	25.1	100.2	0.00	0.00	0.00
1,600.0	10.44	165.52	1,591.1	-114.6	29.6	118.3	0.00	0.00	0.00
1,700.0	10.44	165.52	1,689.5	-132.1	34.1	136.4	0.00	0.00	0.00
1,800.0	10.44	165.52	1,787.8	-149.7	38.6	154.6	0.00	0.00	0.00
1,900.0	10.44	165.52	1,886.2	-167.2	43.2	172.7	0.00	0.00	0.00
2,000.0	10.44	165.52	1,984.5	-184.8	47.7	190.8	0.00	0.00	0.00
2,100.0	10.44	165.52	2,082.8	-202.3	52.2	208.9	0.00	0.00	0.00
2,200.0	10.44	165.52	2,181.2	-219.8	56.8	227.1	0.00	0.00	0.00
2,300.0	10.44	165.52	2,279.5	-237.4	61.3	245.2	0.00	0.00	0.00
2,400.0	10.44	165.52	2,377.9	-254.9	65.8	263.3	0.00	0.00	0.00
2,500.0	10.44	165.52	2,476.2	-272.5	70.4	281.4	0.00	0.00	0.00
2,600.0	10.44	165.52	2,574.6	-290.0	74.9	299.6	0.00	0.00	0.00
2,700.0	10.44	165.52	2,672.9	-307.6	79.4	317.7	0.00	0.00	0.00
2,800.0	10.44	165.52	2,771.3	-325.1	84.0	335.8	0.00	0.00	0.00
2,900.0	10.44	165.52	2,869.6	-342.7	88.5	353.9	0.00	0.00	0.00
3,000.0	10.44	165.52	2,967.9	-360.2	93.0	372.0	0.00	0.00	0.00
3,100.0	10.44	165.52	3,066.3	-377.8	97.6	390.2	0.00	0.00	0.00
3,200.0	10.44	165.52	3,164.6	-395.3	102.1	408.3	0.00	0.00	0.00
3,300.0	10.44	165.52	3,263.0	-412.9	106.6	426.4	0.00	0.00	0.00
3,400.0	10.44	165.52	3,361.3	-430.4	111.2	444.5	0.00	0.00	0.00
3,500.0	10.44	165.52	3,459.7	-448.0	115.7	462.7	0.00	0.00	0.00
3,600.0	10.44	165.52	3,558.0	-465.5	120.2	480.8	0.00	0.00	0.00
3,700.0	10.44	165.52	3,656.3	-483.1	124.7	498.9	0.00	0.00	0.00
3,800.0	10.44	165.52	3,754.7	-500.6	129.3	517.0	0.00	0.00	0.00
3,900.0	10.44	165.52	3,853.0	-518.1	133.8	535.1	0.00	0.00	0.00
4,000.0	10.44	165.52	3,951.4	-535.7	138.3	553.3	0.00	0.00	0.00
4,100.0	10.44	165.52	4,049.7	-553.2	142.9	571.4	0.00	0.00	0.00
4,200.0	10.44	165.52	4,148.1	-570.8	147.4	589.5	0.00	0.00	0.00
4,300.0	10.44	165.52	4,246.4	-588.3	151.9	607.6	0.00	0.00	0.00
4,400.0	10.44	165.52	4,344.8	-605.9	156.5	625.8	0.00	0.00	0.00
4,500.0	10.44	165.52	4,443.1	-623.4	161.0	643.9	0.00	0.00	0.00
4,600.0	10.44	165.52	4,541.4	-641.0	165.5	662.0	0.00	0.00	0.00
4,700.0	10.44	165.52	4,639.8	-658.5	170.1	680.1	0.00	0.00	0.00
4,800.0	10.44	165.52	4,738.1	-676.1	174.6	698.2	0.00	0.00	0.00
4,900.0	10.44	165.52	4,836.5	-693.6	179.1	716.4	0.00	0.00	0.00
5,000.0	10.44	165.52	4,934.8	-711.2	183.7	734.5	0.00	0.00	0.00
5,100.0	10.44	165.52	5,033.2	-728.7	188.2	752.6	0.00	0.00	0.00
5,189.3	10.44	165.52	5,121.0	-744.4	192.2	768.8	0.00	0.00	0.00



Payzone Directional Planning Report

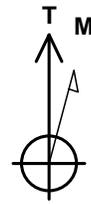


Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 127-36-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	127-36-8-16 @ 5503.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R16E	North Reference:	True
Well:	127-36-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	10.44	165.52	5,131.5	-746.3	192.7	770.7	0.00	0.00	0.00
5,300.0	10.44	165.52	5,229.9	-763.8	197.2	788.9	0.00	0.00	0.00
5,400.0	10.44	165.52	5,328.2	-781.3	201.8	807.0	0.00	0.00	0.00
5,500.0	10.44	165.52	5,426.5	-798.9	206.3	825.1	0.00	0.00	0.00
5,600.0	10.44	165.52	5,524.9	-816.4	210.8	843.2	0.00	0.00	0.00
5,700.0	10.44	165.52	5,623.2	-834.0	215.4	861.3	0.00	0.00	0.00
5,800.0	10.44	165.52	5,721.6	-851.5	219.9	879.5	0.00	0.00	0.00
5,900.0	10.44	165.52	5,819.9	-869.1	224.4	897.6	0.00	0.00	0.00
6,000.0	10.44	165.52	5,918.3	-886.6	229.0	915.7	0.00	0.00	0.00
6,100.0	10.44	165.52	6,016.6	-904.2	233.5	933.8	0.00	0.00	0.00
6,200.0	10.44	165.52	6,115.0	-921.7	238.0	952.0	0.00	0.00	0.00
6,300.0	10.44	165.52	6,213.3	-939.3	242.6	970.1	0.00	0.00	0.00
6,400.0	10.44	165.52	6,311.6	-956.8	247.1	988.2	0.00	0.00	0.00
6,478.7	10.44	165.52	6,389.0	-970.6	250.7	1,002.5	0.00	0.00	0.00

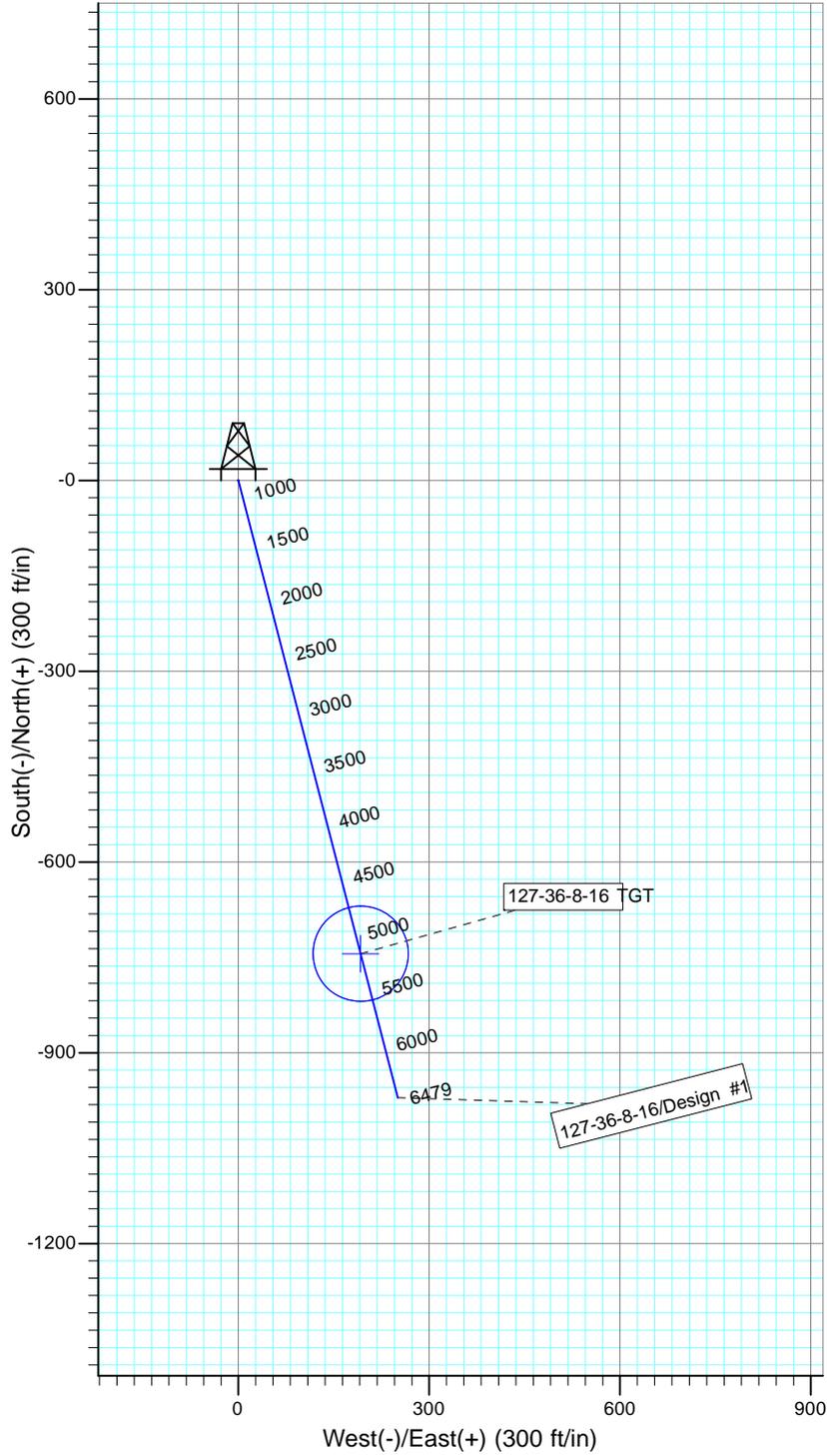
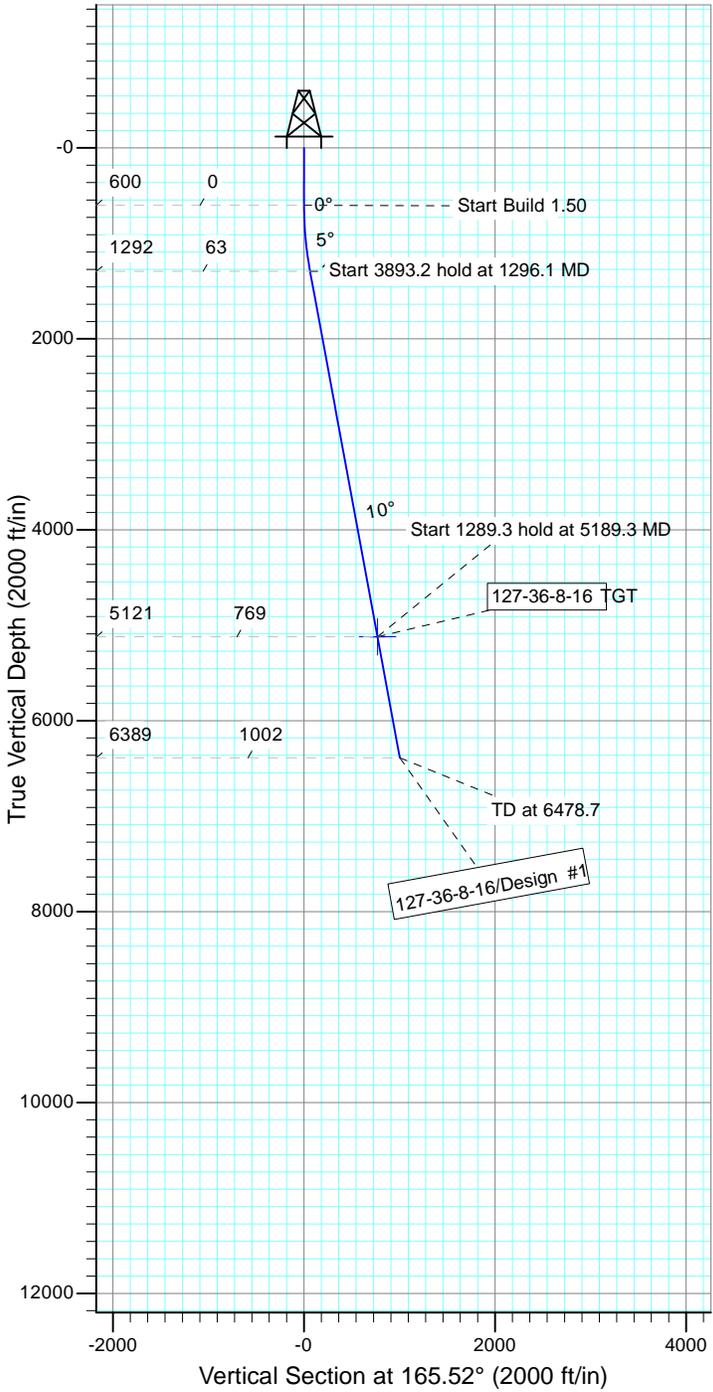


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 127-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52146.3snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
127-36-8-16 TGT	5121.0	-744.4	192.2	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	1296.1	10.44	165.52	1292.2	-61.2	15.8	1.50	165.52	63.2	
4	5189.3	10.44	165.52	5121.0	-744.4	192.2	0.00	0.00	768.8	127-36-8-16 TGT
5	6478.7	10.44	165.52	6389.0	-970.6	250.7	0.00	0.00	1002.5	



**NEWFIELD PRODUCTION COMPANY
GMBU 127-36-8-16
AT SURFACE: NE/SW SECTION 36, T8S R16E
DUCHESNE COUNTY, UTAH**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

The proposed well will be drilled directionally off of the existing 1-36-8-16 well pad.

1. EXISTING ROADS

- a) To reach Newfield Production Company well location site GMBU 127-36-8-16, proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles \pm to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.8 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly – 0.8 miles \pm to the east; proceed in easterly direction – 1.6 miles to the existing 1-36-8-16 well location.
- b) The proposed location is approximately 12.8 miles south of Roosevelt, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

2. PLANNED ACCESS ROAD

- a) There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 1-36-8-16 well pad. See attached Topographic Map "B".
- b) There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.
- c) There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.
- d) All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

- a) Refer to Topographic Map "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.
- c) 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.
- d) Tank batteries will be built to Federal Gold Book specifications.

- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- f) There is not new pipeline infrastructure proposed for this location. See attached Topographic Map "C".

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

- a) Newfield Production will transport water by truck from nearest water source. 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).

6. **SOURCE OF CONSTRUCTION MATERIALS**

- a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The 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.
- b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) 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.

- f) 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.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, 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 referenced well, 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.

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

- a) 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.
- b) 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.

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

- a) Producing Location
 - 1. 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.
 - 2. 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

1. 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

- a) State of Utah.

12. OTHER ADDITIONAL INFORMATION

- a) Montgomery Archeological Consultants, Inc. has conducted a Class III archeological survey. State of Utah Antiquities Project Permit # U-12-MQ-1092b,s 12/6/12. The report has been submitted under separate cover by Montgomery Archeological Consultants, Inc. The cover page of the report has been attached to this submittal for reference. Newfield would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- b) Wade E. Miller Ph.D. Paleontological Consultant has conducted a paleontological survey. The report has been submitted under separate cover by Wade E. Miller dated 10/10/12. The cover page of the report has been attached to this submittal for reference.
- c) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- d) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling 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

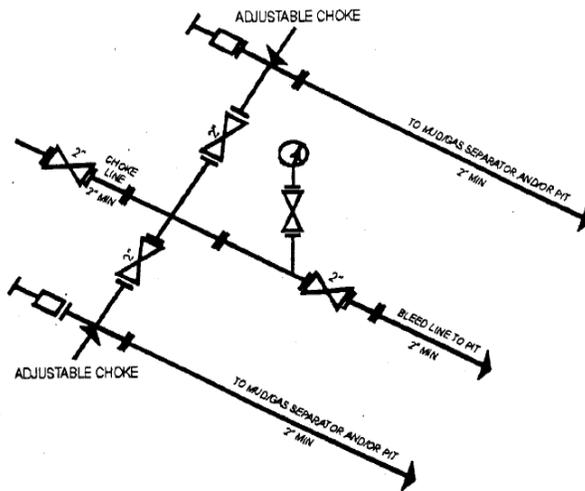
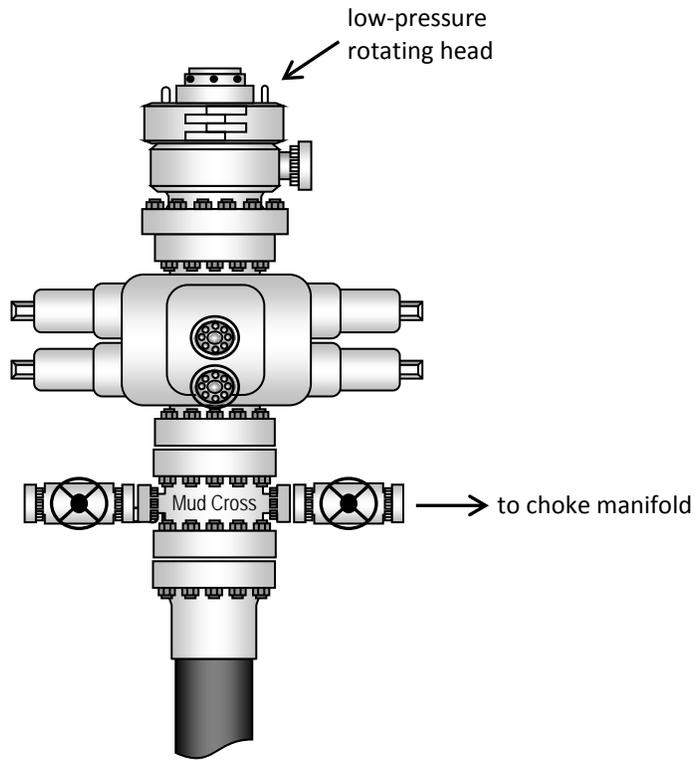
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #127-36-8-16, Section 36, Township 8S, Range 16E: Lease ML-22061 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

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

12/28/12
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



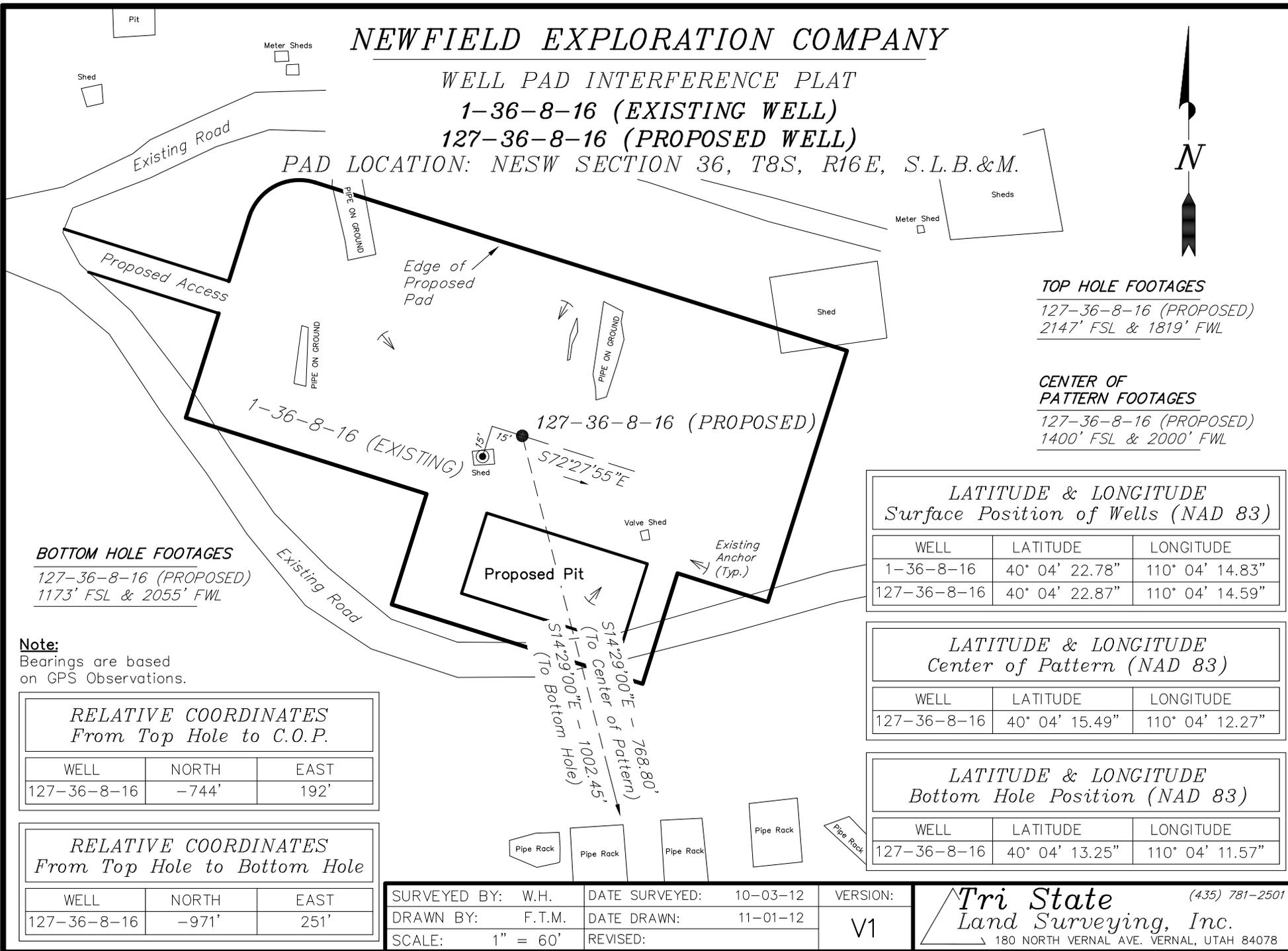
2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

1-36-8-16 (EXISTING WELL)
127-36-8-16 (PROPOSED WELL)

PAD LOCATION: NESW SECTION 36, T8S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

127-36-8-16 (PROPOSED)
2147' FSL & 1819' FWL

CENTER OF PATTERN FOOTAGES

127-36-8-16 (PROPOSED)
1400' FSL & 2000' FWL

BOTTOM HOLE FOOTAGES

127-36-8-16 (PROPOSED)
1173' FSL & 2055' FWL

Note:

Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
127-36-8-16	-744'	192'

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

WELL	NORTH	EAST
127-36-8-16	-971'	251'

LATITUDE & LONGITUDE Surface Position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
1-36-8-16	40° 04' 22.78"	110° 04' 14.83"
127-36-8-16	40° 04' 22.87"	110° 04' 14.59"

LATITUDE & LONGITUDE Center of Pattern (NAD 83)		
WELL	LATITUDE	LONGITUDE
127-36-8-16	40° 04' 15.49"	110° 04' 12.27"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)		
WELL	LATITUDE	LONGITUDE
127-36-8-16	40° 04' 13.25"	110° 04' 11.57"

SURVEYED BY: W.H.	DATE SURVEYED: 10-03-12	VERSION: V1
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-12	
SCALE: 1" = 60'	REVISED:	

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

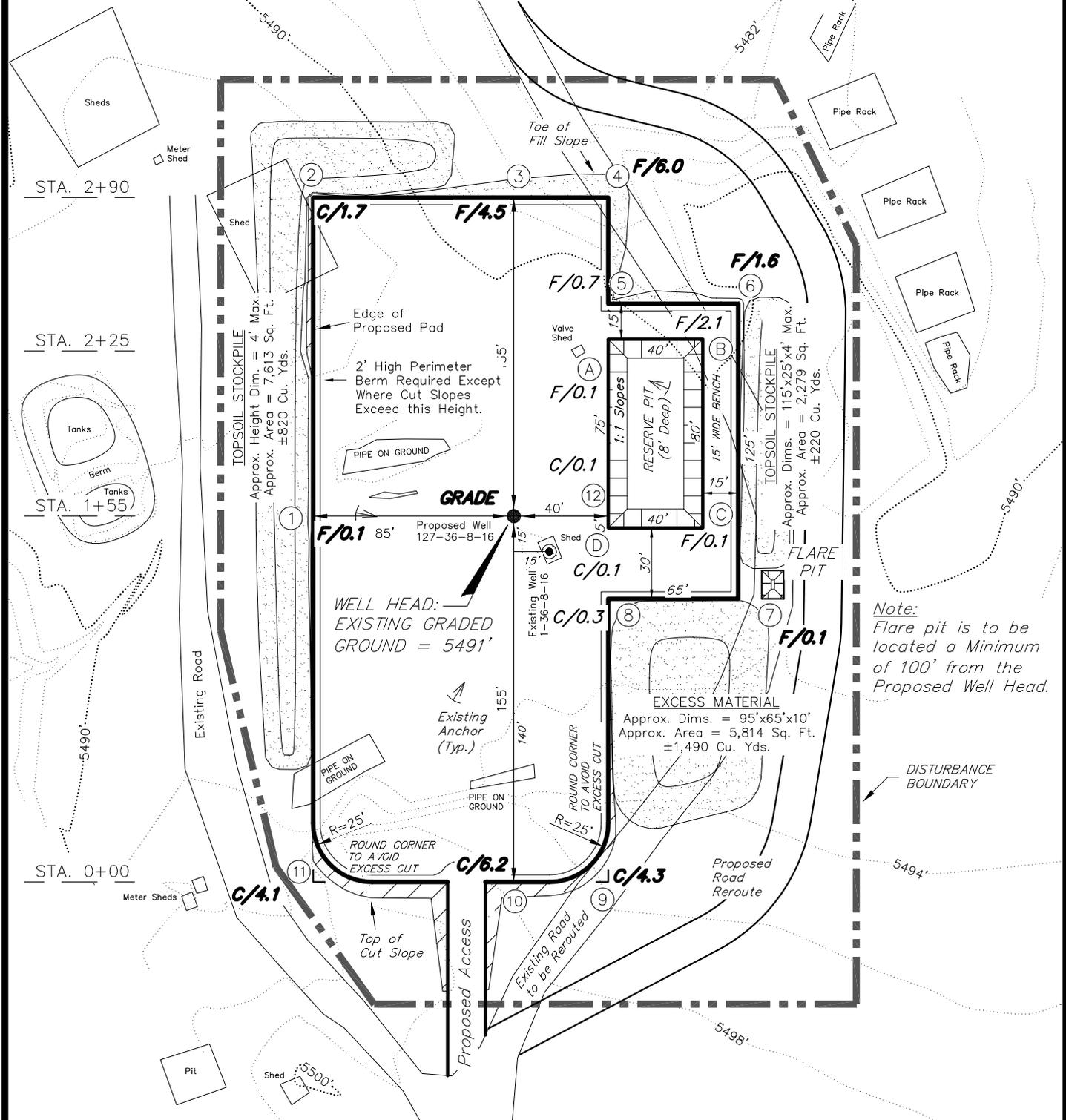
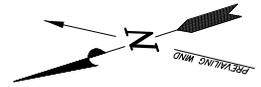
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

1-36-8-16 (Existing Well)

127-36-8-16 (Proposed Well)

Pad Location NESW Section 36, T8S, R16E, S.L.B.&M.



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

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 2,530 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

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

SURVEYED BY: W.H.	DATE SURVEYED: 10-03-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-12	V1
SCALE: 1" = 60'	REVISED:	

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

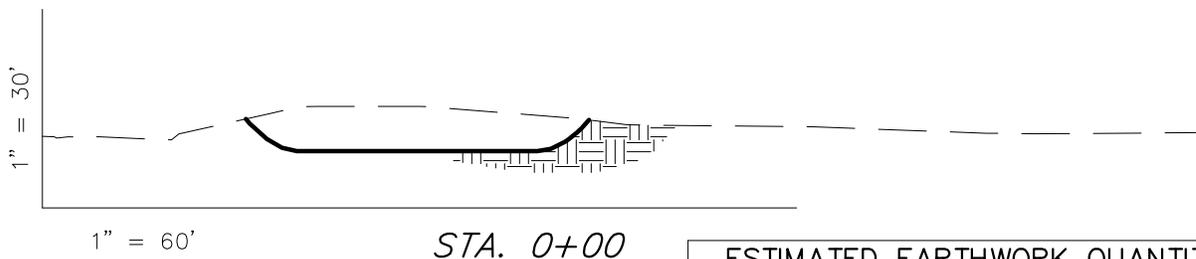
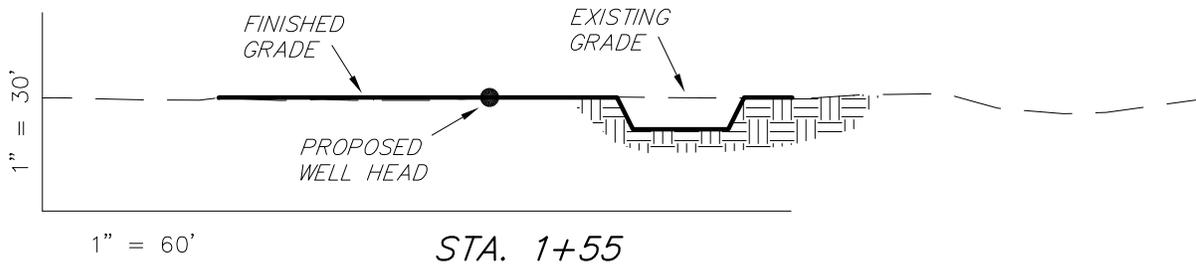
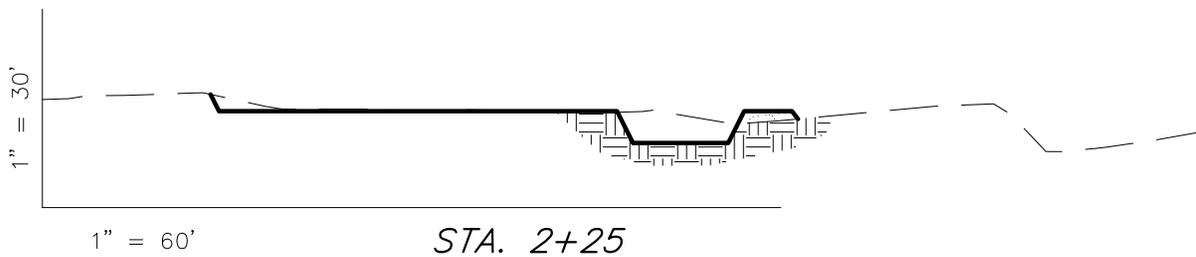
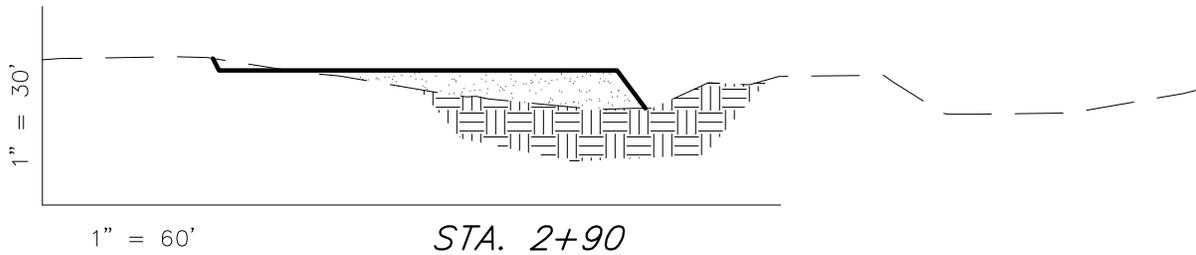
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

1-36-8-16 (EXISTING WELL)

127-36-8-16 (PROPOSED WELL)

PAD LOCATION: NESW SECTION 36, T8S, R16E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT SLOPES ARE 1:1
FILL SLOPES ARE 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	1,230	570	Topsoil is not included in Pad Cut	660
PIT	690	0		690
TOTALS	1,920	570	950	1,350

SURVEYED BY: W.H.	DATE SURVEYED: 10-03-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-12	V1
SCALE: 1" = 60'	REVISED:	

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RECEIVED: January 21, 2013

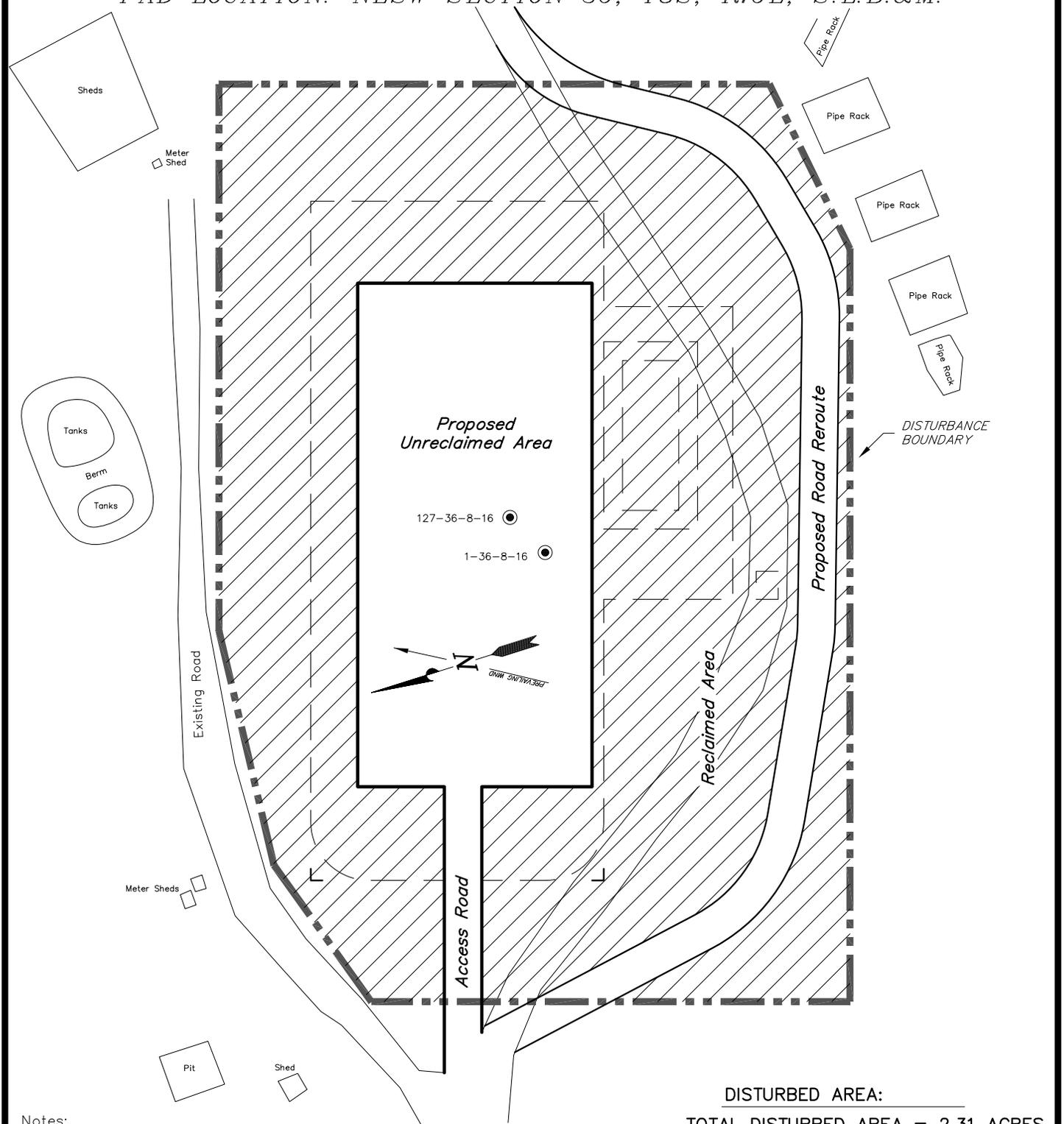
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

1-36-8-16 (EXISTING WELL)

127-36-8-16 (PROPOSED WELL)

PAD LOCATION: NESW SECTION 36, T8S, R16E, 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 = 2.31 ACRES
 TOTAL RECLAIMED AREA = 1.60 ACRES
 UNRECLAIMED AREA = 0.71 ACRES

SURVEYED BY: W.H.	DATE SURVEYED: 10-03-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-12	V1
SCALE: 1" = 60'	REVISED:	

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

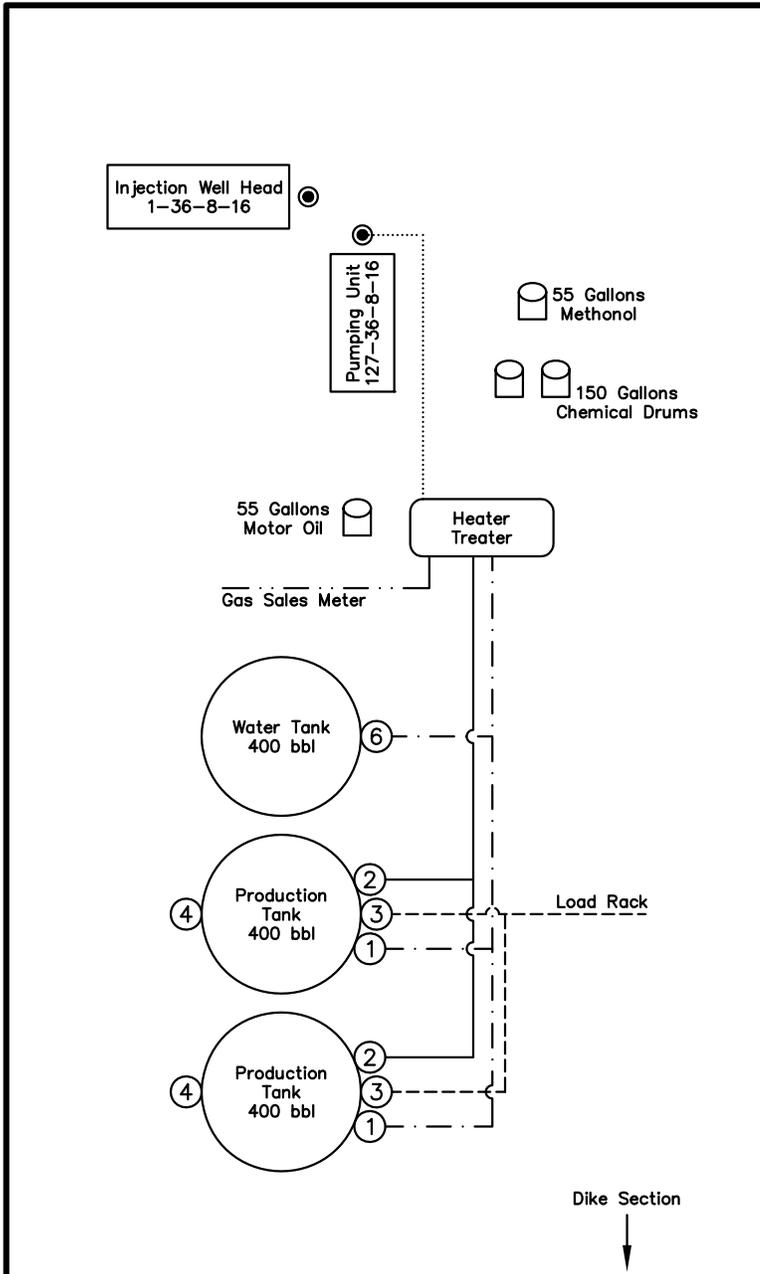
NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

1-36-8-16 (EXISTING WELL)

127-36-8-16 (PROPOSED WELL) ML-22061

PAD LOCATION: NESW Section 36, T8S, R16E, S.L.B.&M.
Duchesne County, Utah



Legend

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

NOT TO SCALE

SURVEYED BY: W.H.	DATE SURVEYED: 10-03-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-12	V1
SCALE: NONE	REVISED:	

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

NEWFIELD



VIA ELECTRONIC DELIVERY

January 22, 2013

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

Newfield Exploration Company

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

RE: Directional Drilling
GMBU 127-36-8-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 36: NESW (ML-22061)
2147' FSL 1819' FWL

At Target: T8S-R16E Section 36: SESW (ML-22061)
1173' FSL 2055' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 1/21/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,
Newfield Production Company

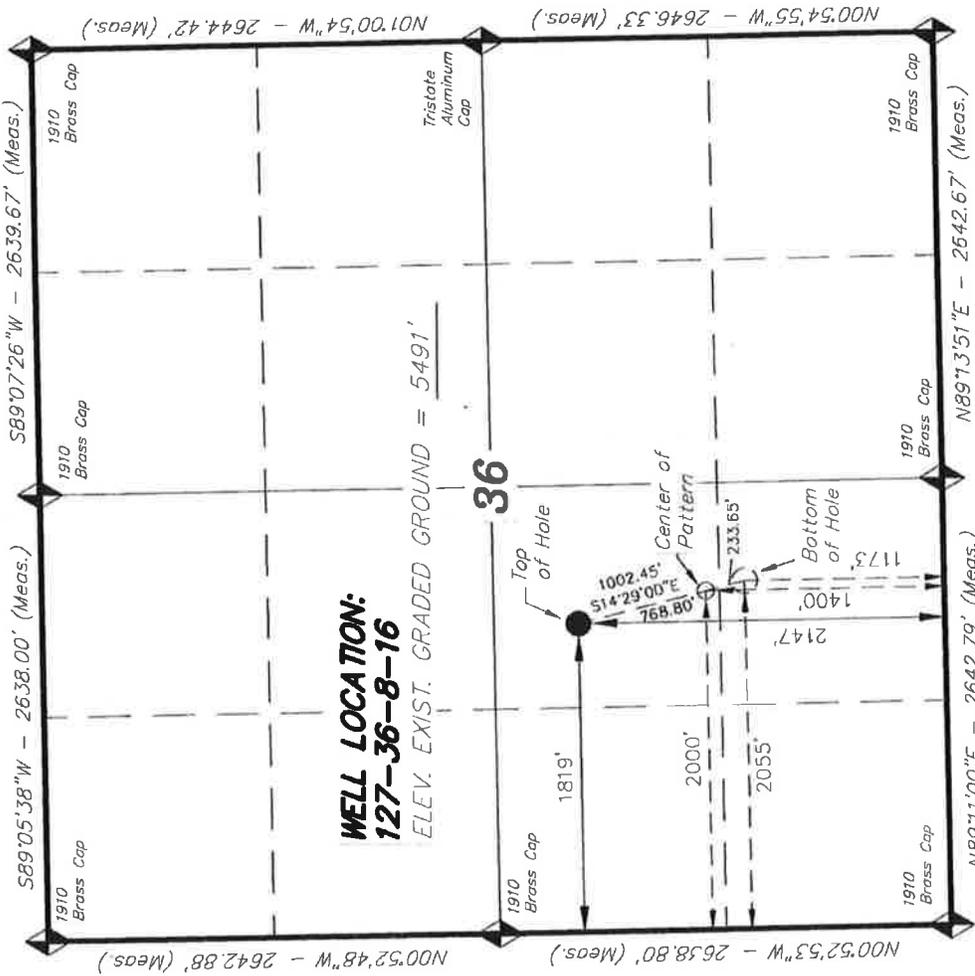
A handwritten signature in blue ink that reads "Leslie Burget".

Leslie Burget
Land Associate

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							FORM 3 AMENDED REPORT <input type="checkbox"/>			
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU 127-36-8-18				
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) ML-22061			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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"/> (Submlt 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		2147 FSL 1819 FWL		NESW	36	8.0 S	16.0 E	S		
Top of Uppermost Producing Zone		1629 FSL 1952 FWL		NESW	36	8.0 S	16.0 E	S		
At Total Depth		1173 FSL 2055 FWL		SESW	36	8.0 S	16.0 E	S		
21. COUNTY DUCHESENE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1173			23. NUMBER OF ACRES IN DRILLING UNIT 10				
27. ELEVATION - GROUND LEVEL 5491			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 699			26. PROPOSED DEPTH MD: 6479 TVD: 6389				
28. BOND NUMBER B001834			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 - 6479	15.5	J-55 LT&C	8.3	Premium Lite High Strength	309	3.43	11.0
							50/50 Poz	363	1.24	14.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier			TITLE Regulatory Tech			PHONE 435 646-4825				
SIGNATURE			DATE			EMAIL mcrozier@newfield.com				
API NUMBER ASSIGNED			APPROVAL							

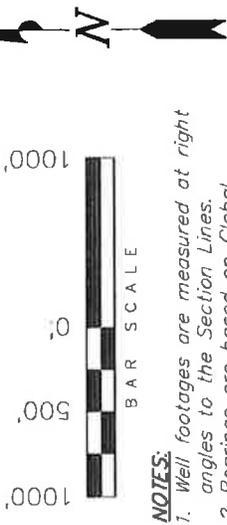
T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, 127-36-8-16, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 127-36-8-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

THIS IS TO CERTIFY THAT THE ABOVE SET 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.

11-01-12
STACY W.
REGISTERED LAND SURVEYOR
STATE OF UTAH
REGISTRATION NO. 189377

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

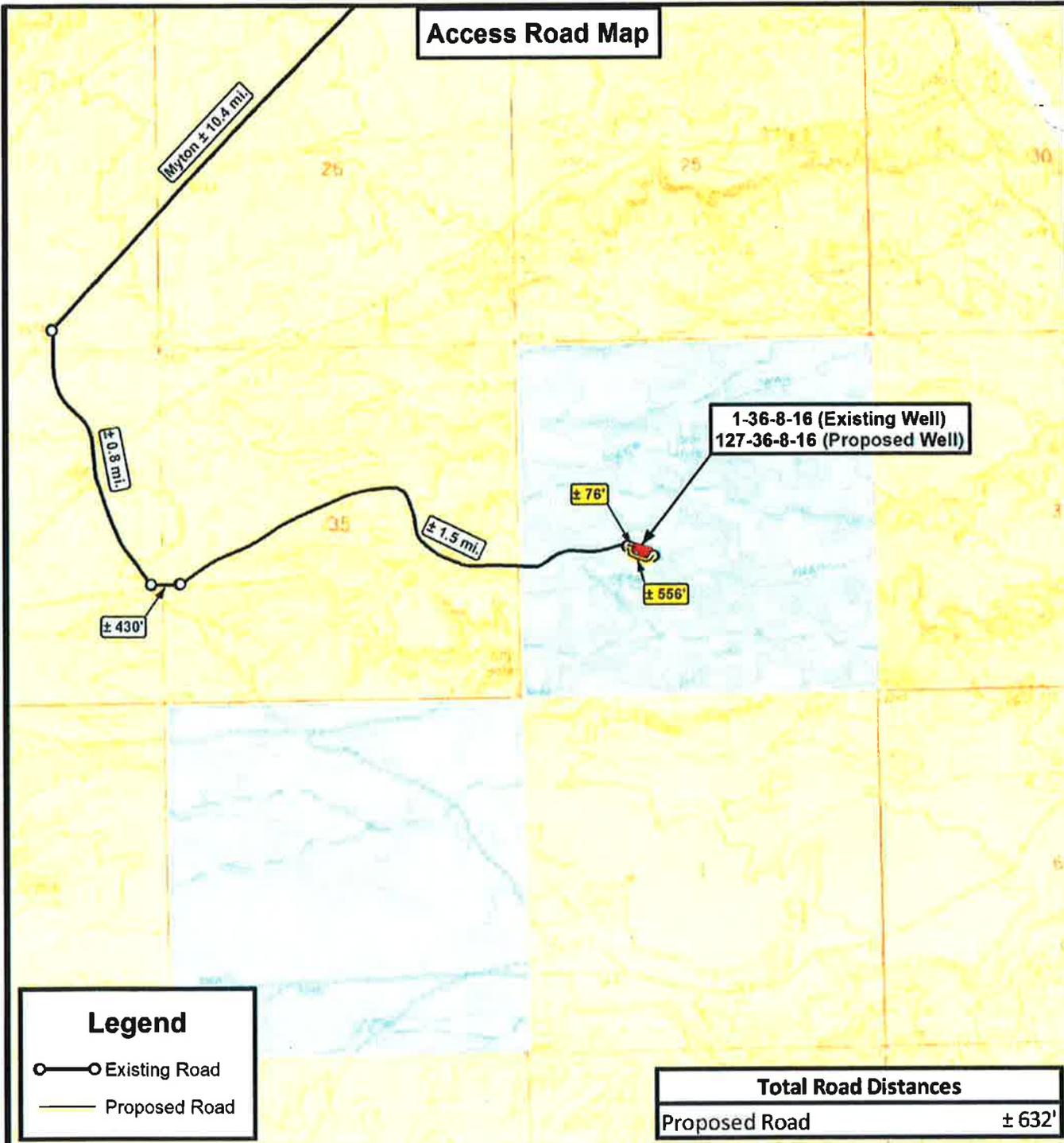
DATE SURVEYED: 10-03-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 11-01-12	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

NAD 83 (SURFACE LOCATION)	LATITUDE = 40°04'22.97"
	LONGITUDE = 110°04'12.58"
NAD 27 (SURFACE LOCATION)	LATITUDE = 40°04'23.01"
	LONGITUDE = 110°04'12.05"
NAD 83 (BOTTOM HOLE LOCATION)	LATITUDE = 40°04'13.25"
	LONGITUDE = 110°04'11.57"
NAD 27 (BOTTOM HOLE LOCATION)	LATITUDE = 40°04'13.36"
	LONGITUDE = 110°04'09.03"

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'

Access Road Map



Legend

- Existing Road
- Proposed Road

Total Road Distances	
Proposed Road	± 632'

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

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

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



NEWFIELD EXPLORATION COMPANY

1-36-8-16 (Existing Well)
127-36-8-16 (Proposed Well)
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R	REVISED:	VERSION:
DATE:	11-14-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP SHEET **B**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

February 20, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51977	GMBU 104-5-9-17	Sec 32 T08S R17E 0483 FSL 0663 FWL BHL Sec 05 T09S R17E 0182 FNL 0660 FWL
43-013-51978	GMBU 127-36-8-16	Sec 36 T08S R16E 2147 FSL 1819 FWL BHL Sec 36 T08S R16E 1173 FSL 2055 FWL
43-013-51979	GMBU 104-1-9-16	Sec 36 T08S R16E 0724 FSL 0856 FEL BHL Sec 01 T09S R16E 0376 FNL 0575 FWL
43-013-51980	GMBU 111-32-8-17	Sec 32 T08S R17E 0672 FNL 1977 FWL BHL Sec 32 T08S R17E 1463 FNL 1934 FWL
43-013-51981	GMBU 118-3-9-16	Sec 03 T09S R16E 1862 FSL 1919 FEL BHL Sec 03 T09S R16E 2567 FNL 1865 FEL
43-013-51993	GMBU 3-10-9-16	Sec 10 T09S R16E 0814 FNL 2092 FWL
43-013-51994	GMBU 6-30-9-16	Sec 30 T09S R16E 2341 FNL 0398 FWL BHL Sec 30 T09S R16E 1981 FNL 1883 FWL

RECEIVED: February 20, 2013

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51995	GMBU 5-30-9-16	Sec 30 T09S R16E 2362 FNL 0400 FWL
43-013-51996	GMBU 8-27-9-15	Sec 27 T09S R15E 2132 FNL 0532 FEL
43-013-51997	GMBU 16-32-8-17	Sec 32 T08S R17E 0836 FSL 0587 FEL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land
Management, ou=Branch of Minerals,
email=Michael_Coulthard@blm.gov, c=US
Date: 2013.02.20 13:16:01 -07'00'

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

MCoulthard:mc:2-20-13

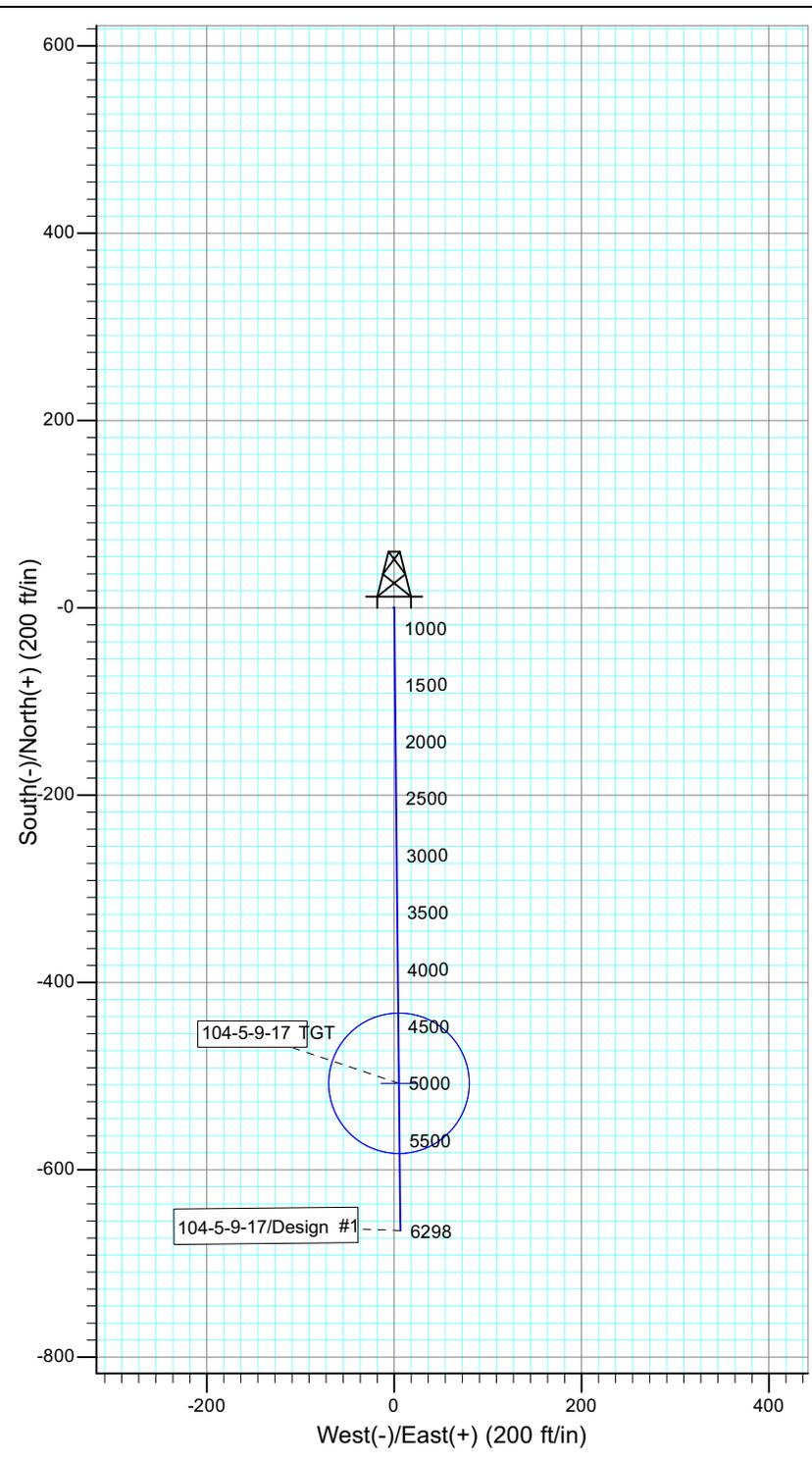
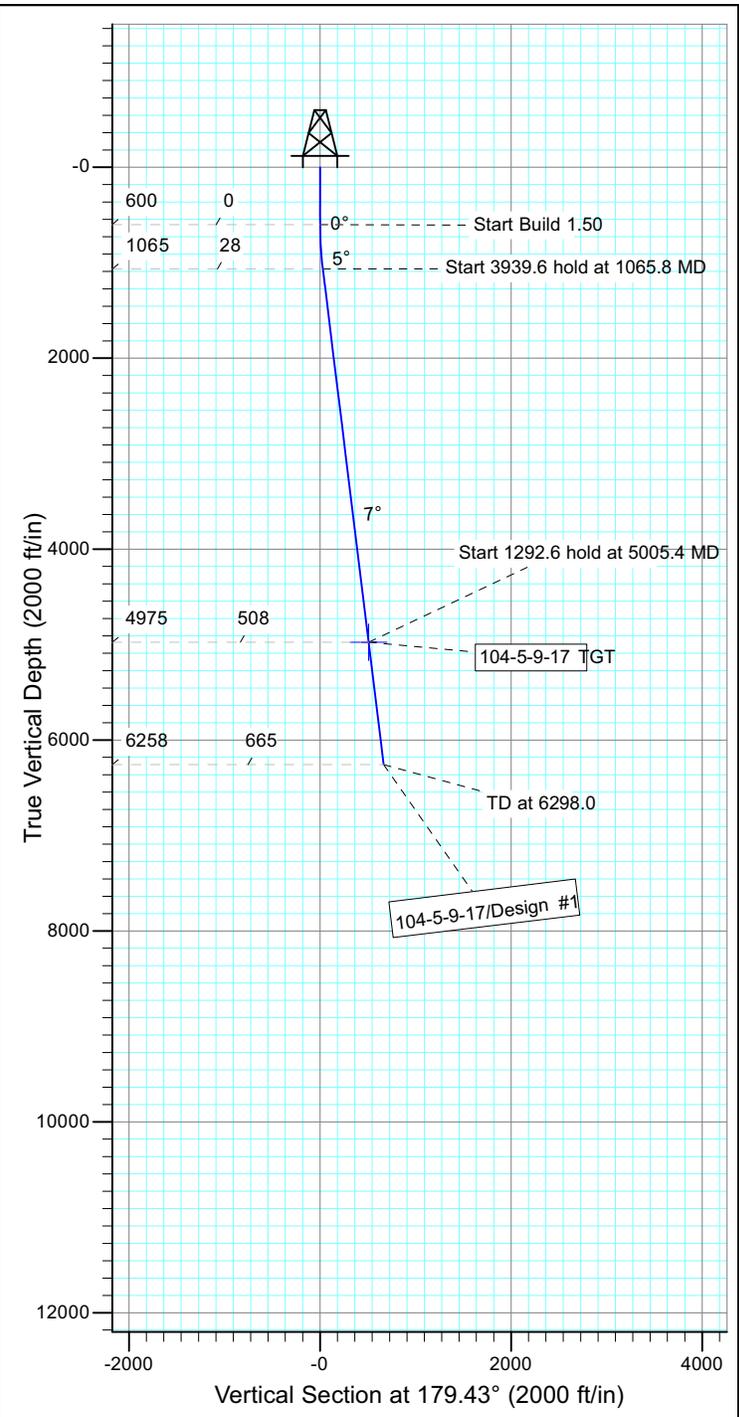


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 104-5-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52150.4snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
104-5-9-17 TGT	4975.0	-507.6	5.0	Circle (Radius: 75.0)

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	1065.8	6.99	179.43	1064.7	-28.4	0.3	1.50	179.43	28.4	
4	5005.4	6.99	179.43	4975.0	-507.6	5.0	0.00	0.00	507.6	104-5-9-17 TGT
5	6298.0	6.99	179.43	6258.0	-664.8	6.6	0.00	0.00	664.9	



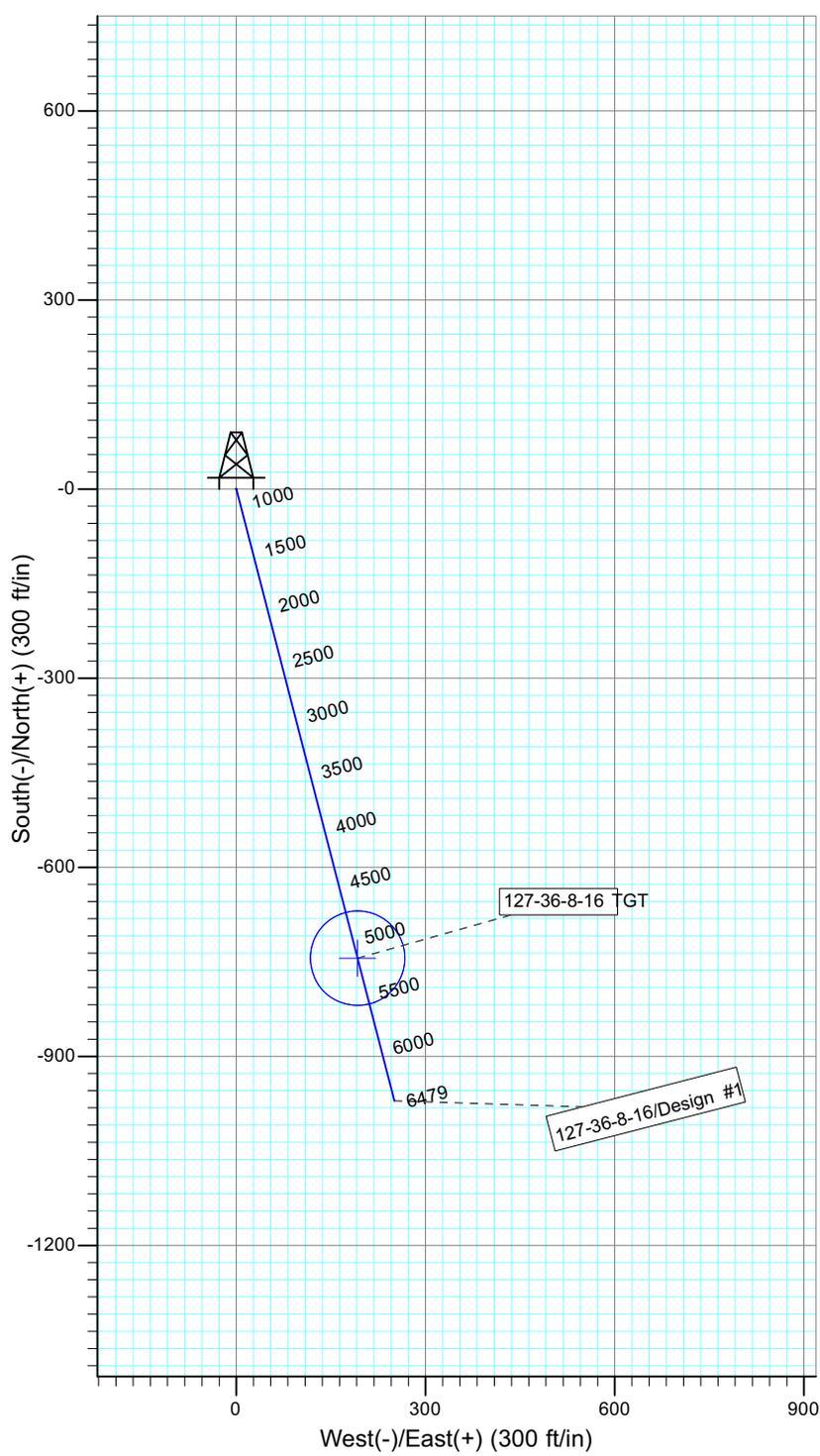
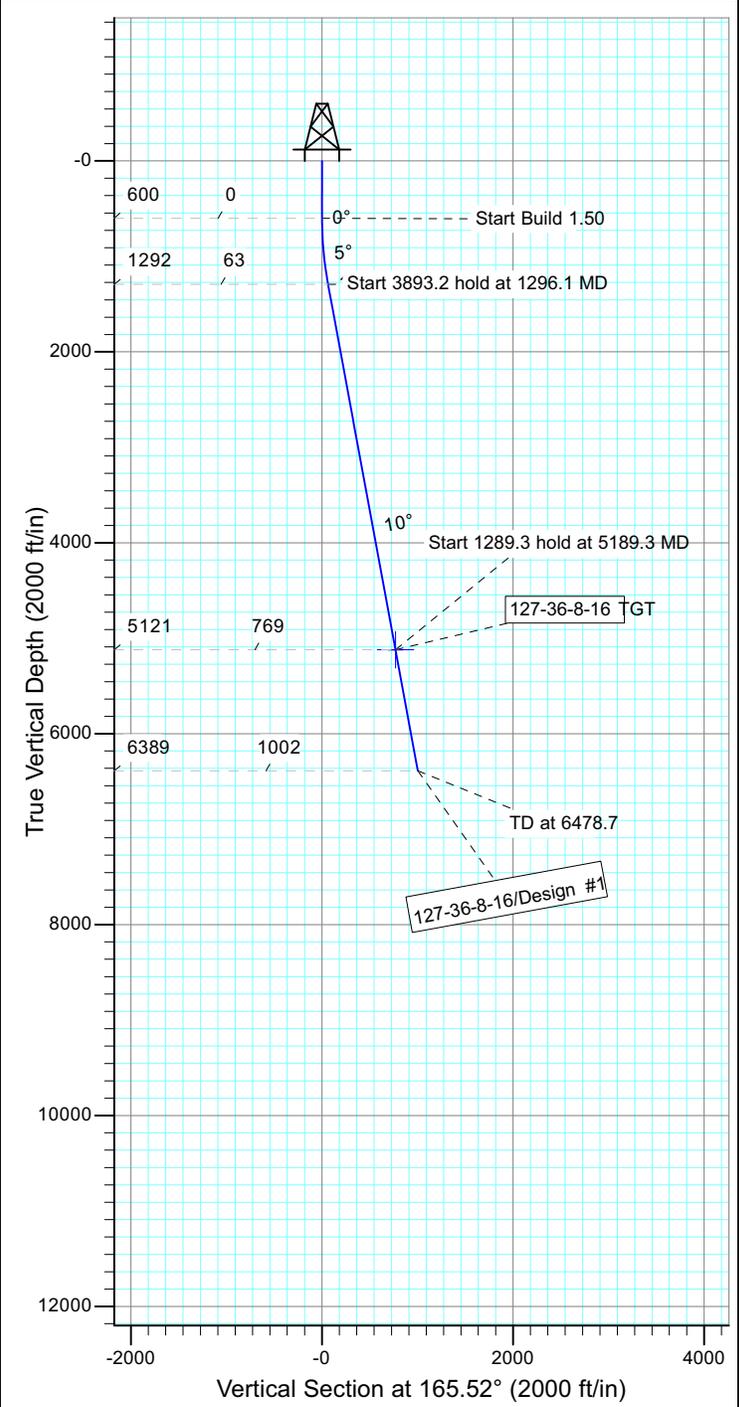


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 127-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52146.3snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



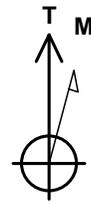
WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
127-36-8-16 TGT	5121.0	-744.4	192.2	Circle (Radius: 75.0)

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	1296.1	10.44	165.52	1292.2	-61.2	15.8	1.50	165.52	63.2	
4	5189.3	10.44	165.52	5121.0	-744.4	192.2	0.00	0.00	768.8	127-36-8-16 TGT
5	6478.7	10.44	165.52	6389.0	-970.6	250.7	0.00	0.00	1002.5	



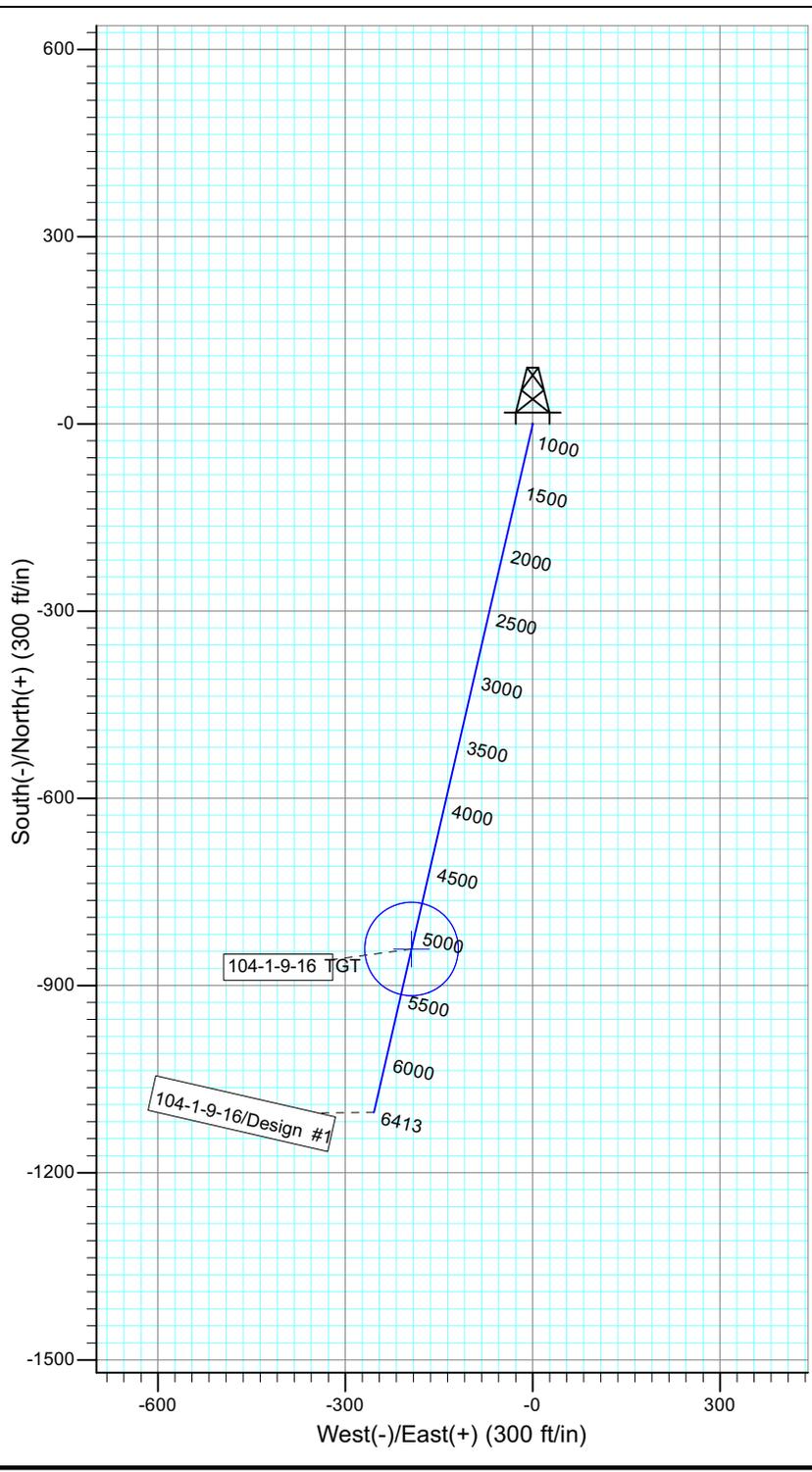
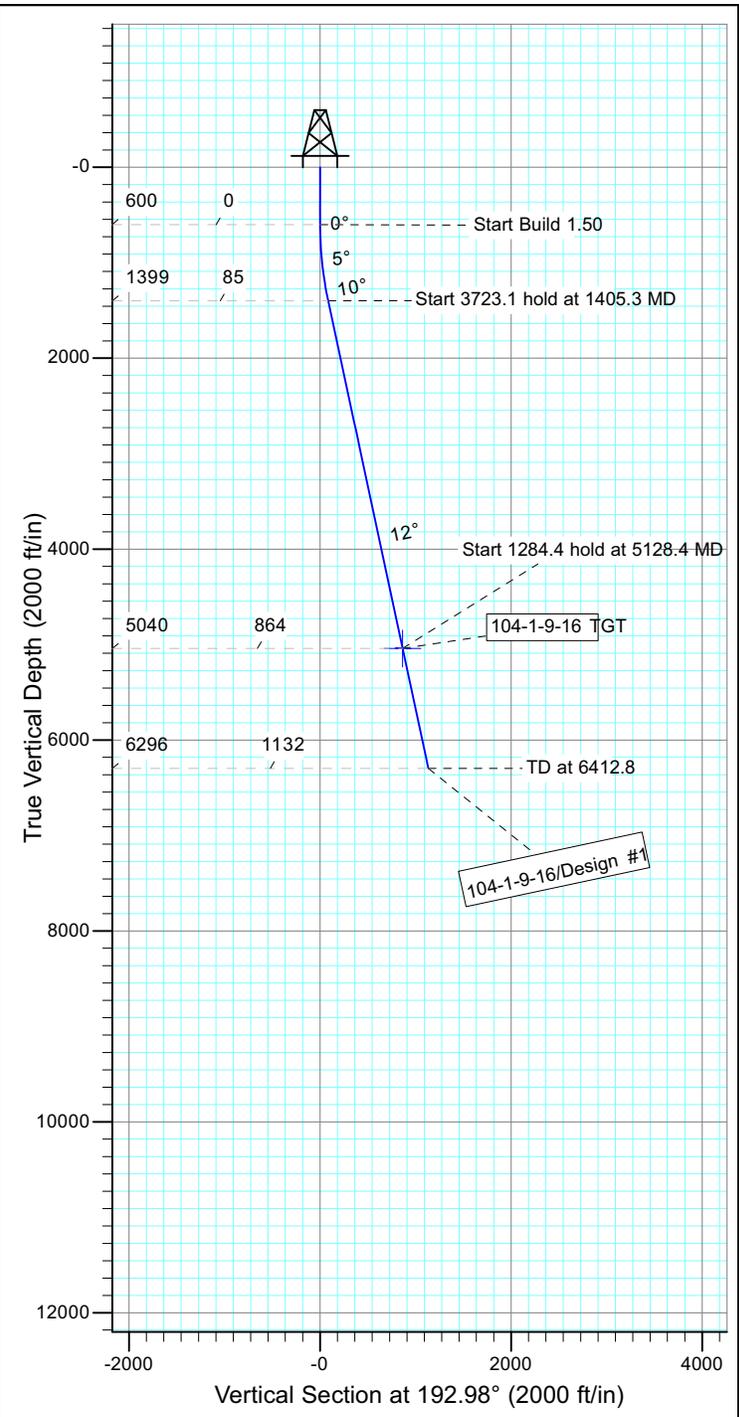


Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 104-1-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52144.4snT
 Dip Angle: 65.78°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
104-1-9-16 TGT	5040.0	-841.6	-194.0	Circle (Radius: 75.0)

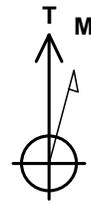
SECTION DETAILS

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	1405.3	12.08	192.98	1399.3	-82.4	-19.0	1.50	192.98	84.6	
4	5128.4	12.08	192.98	5040.0	-841.6	-194.0	0.00	0.00	863.7	104-1-9-16 TGT
5	6412.8	12.08	192.98	6296.0	-1103.5	-254.4	0.00	0.00	1132.5	



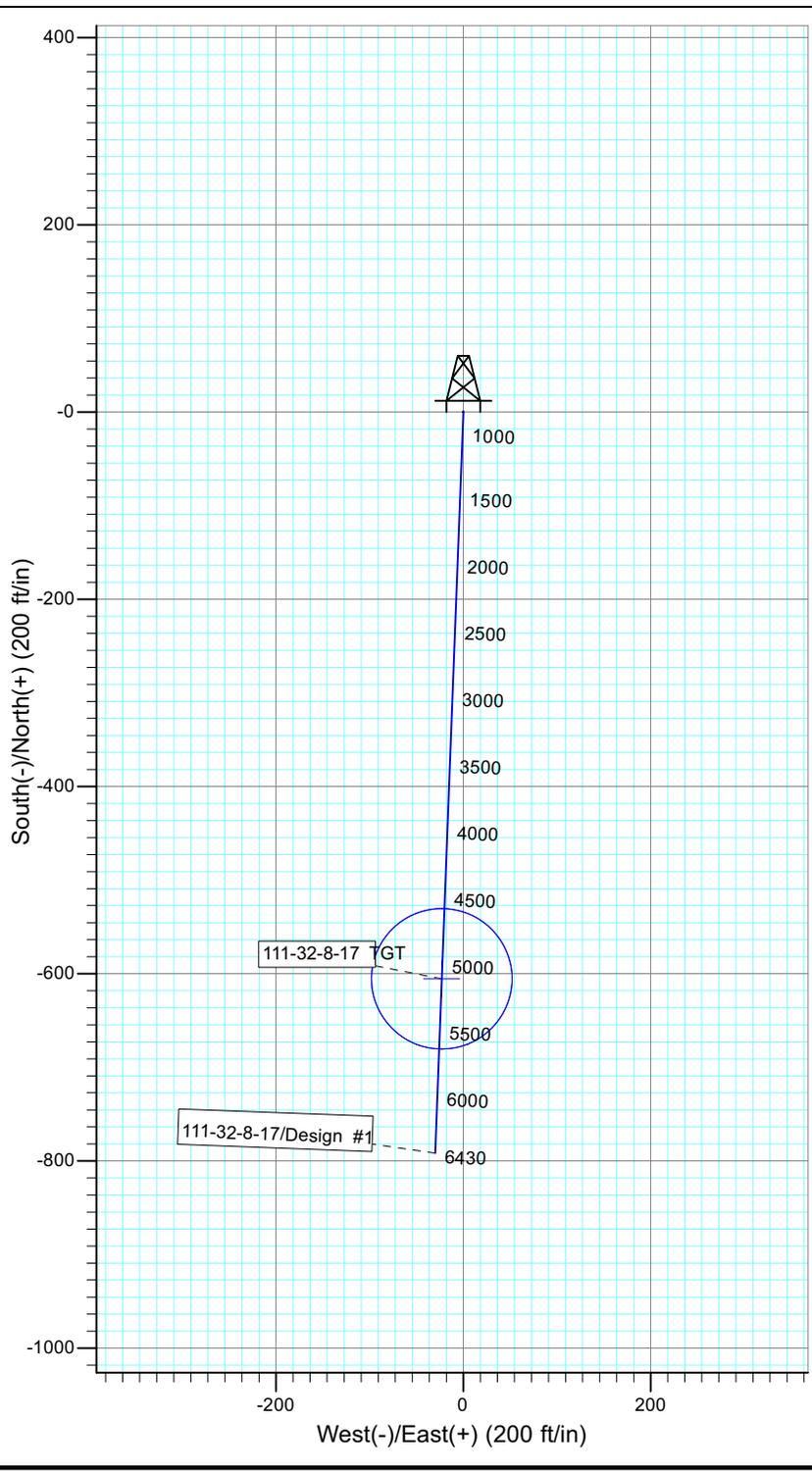
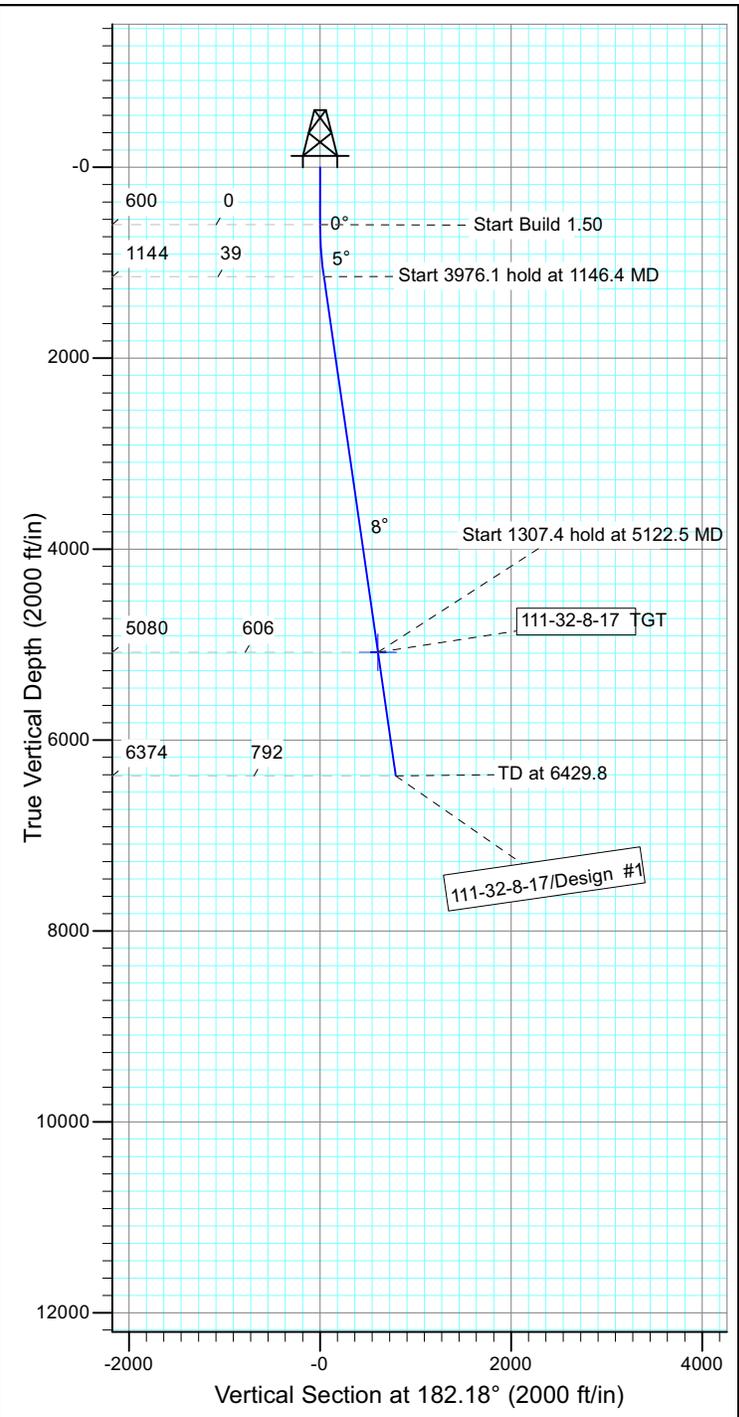


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 111-32-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52157.5snT
 Dip Angle: 65.79°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
111-32-8-17 TGT	5080.0	-605.4	-23.0	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	1146.4	8.20	182.18	1144.5	-39.0	-1.5	1.50	182.18	39.0	
4	5122.5	8.20	182.18	5080.0	-605.4	-23.0	0.00	0.00	605.8	111-32-8-17 TGT
5	6429.8	8.20	182.18	6374.0	-791.6	-30.1	0.00	0.00	792.2	



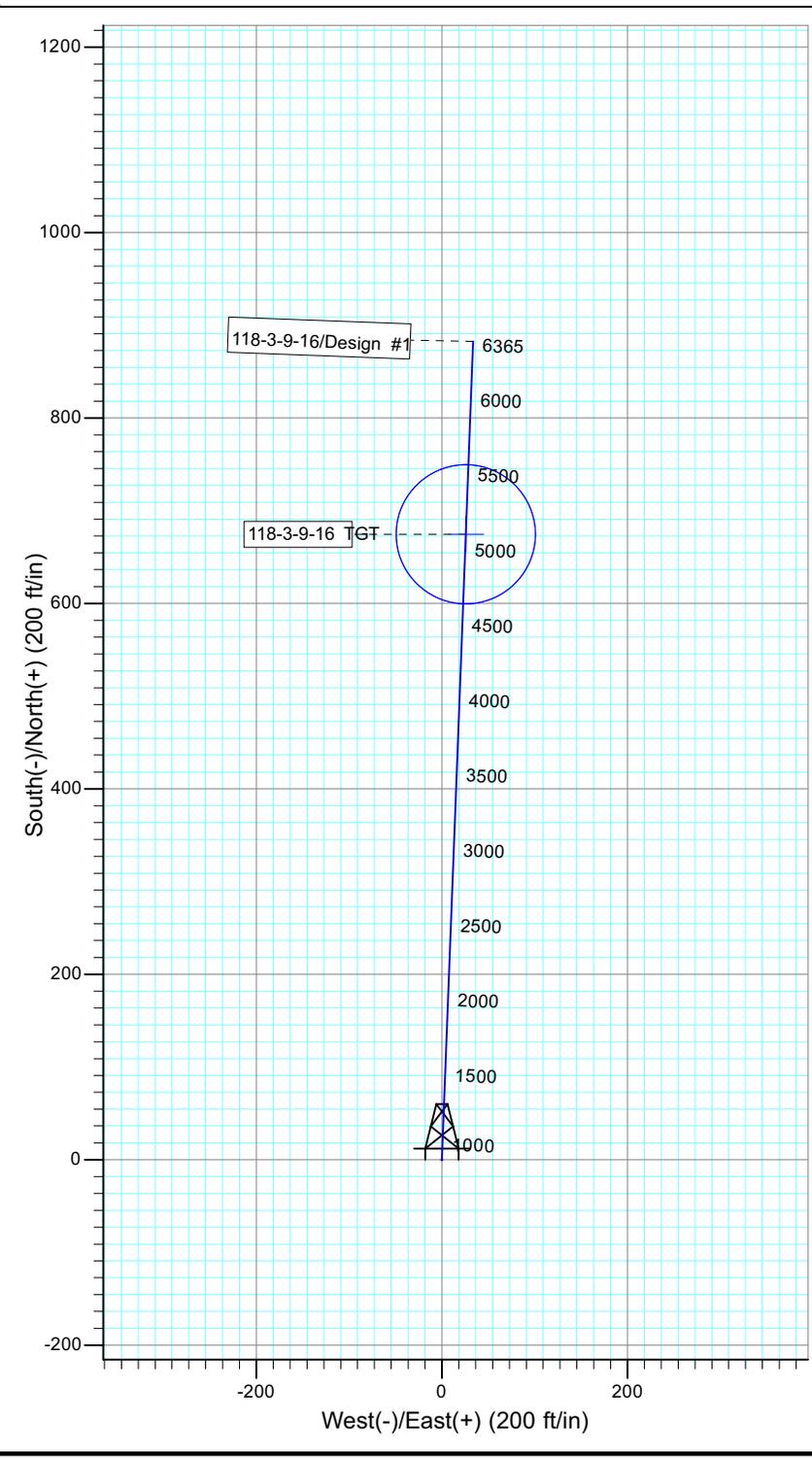
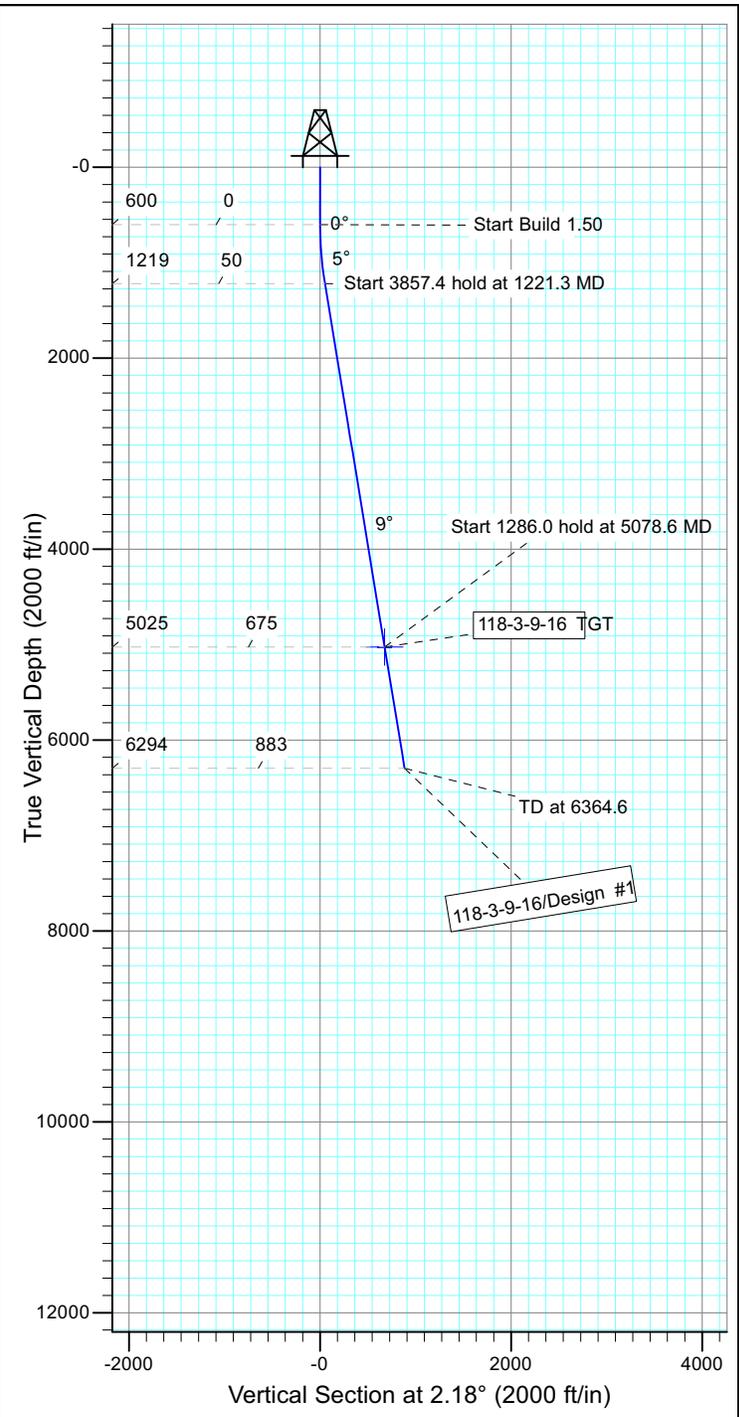


Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R16E
 Well: 118-3-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.15°

Magnetic Field
 Strength: 52132.7snT
 Dip Angle: 65.76°
 Date: 11/8/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
118-3-9-16 TGT	5025.0	674.6	25.7	Circle (Radius: 75.0)

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	1221.3	9.32	2.18	1218.5	50.4	1.9	1.50	2.18	50.4	
4	5078.6	9.32	2.18	5025.0	674.6	25.7	0.00	0.00	675.0	118-3-9-16 TGT
5	6364.6	9.32	2.18	6294.0	882.7	33.6	0.00	0.00	883.3	



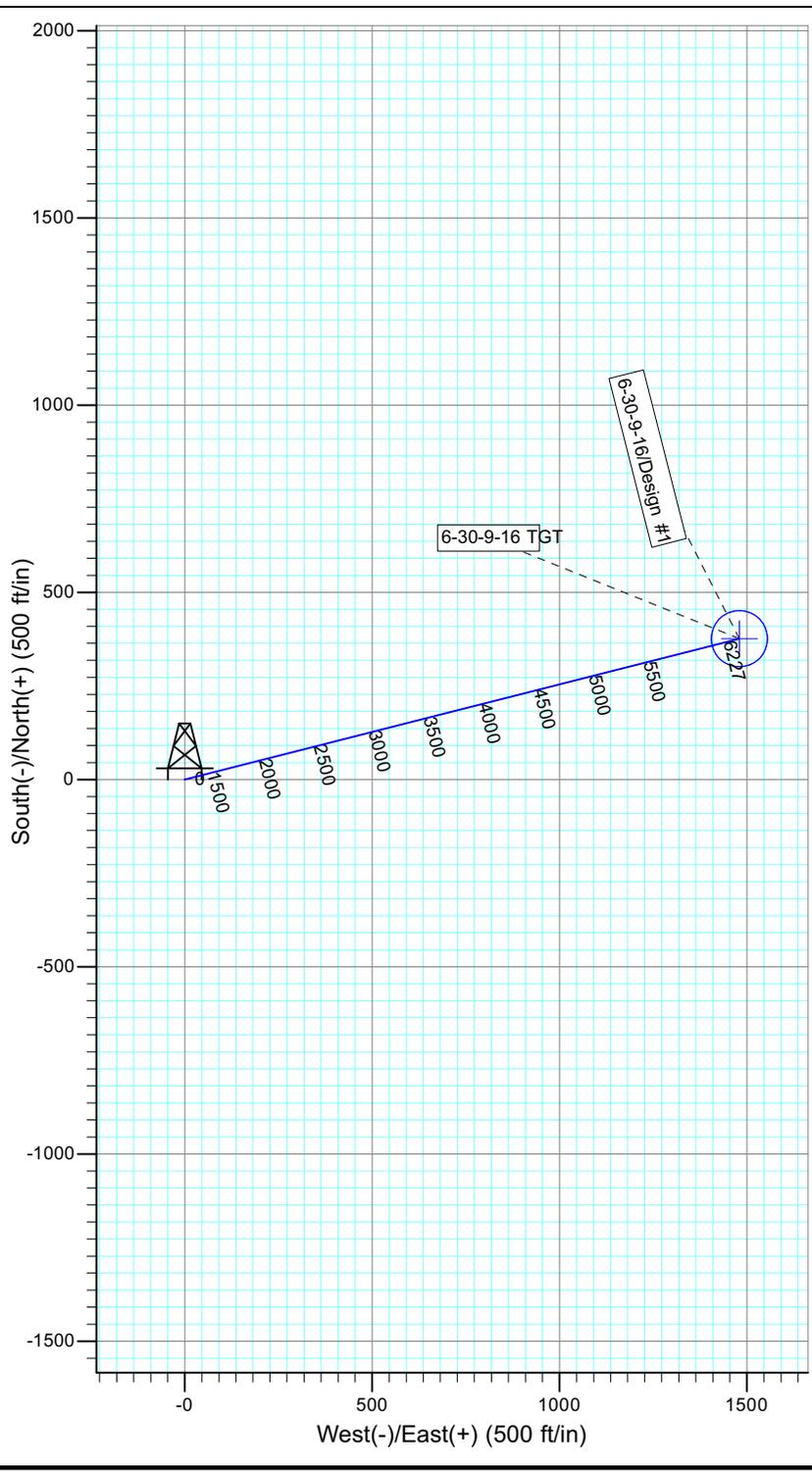
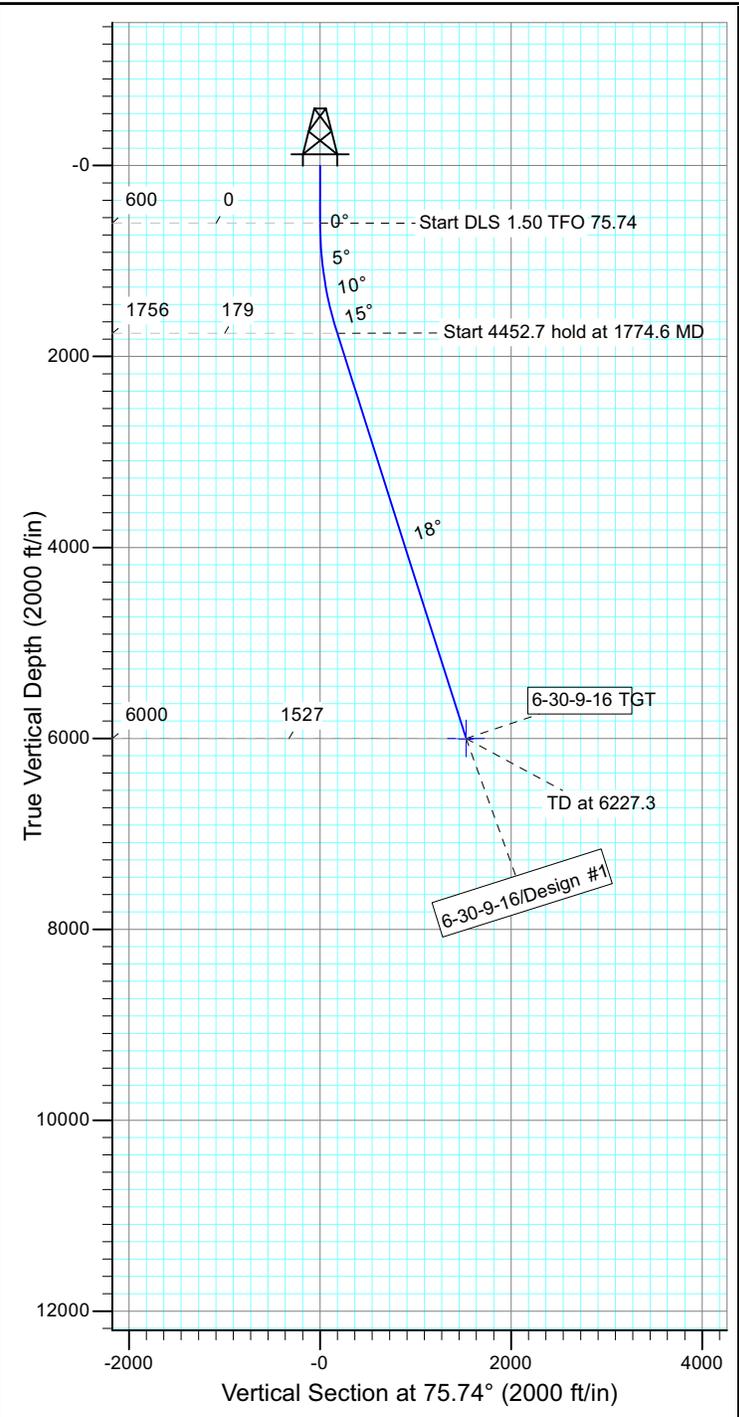


Project: USGS Myton SW (UT)
 Site: SECTION 30 T9S, R16E
 Well: 6-30-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.14°

Magnetic Field
 Strength: 52067.1snT
 Dip Angle: 65.70°
 Date: 1/23/2013
 Model: IGRF2010



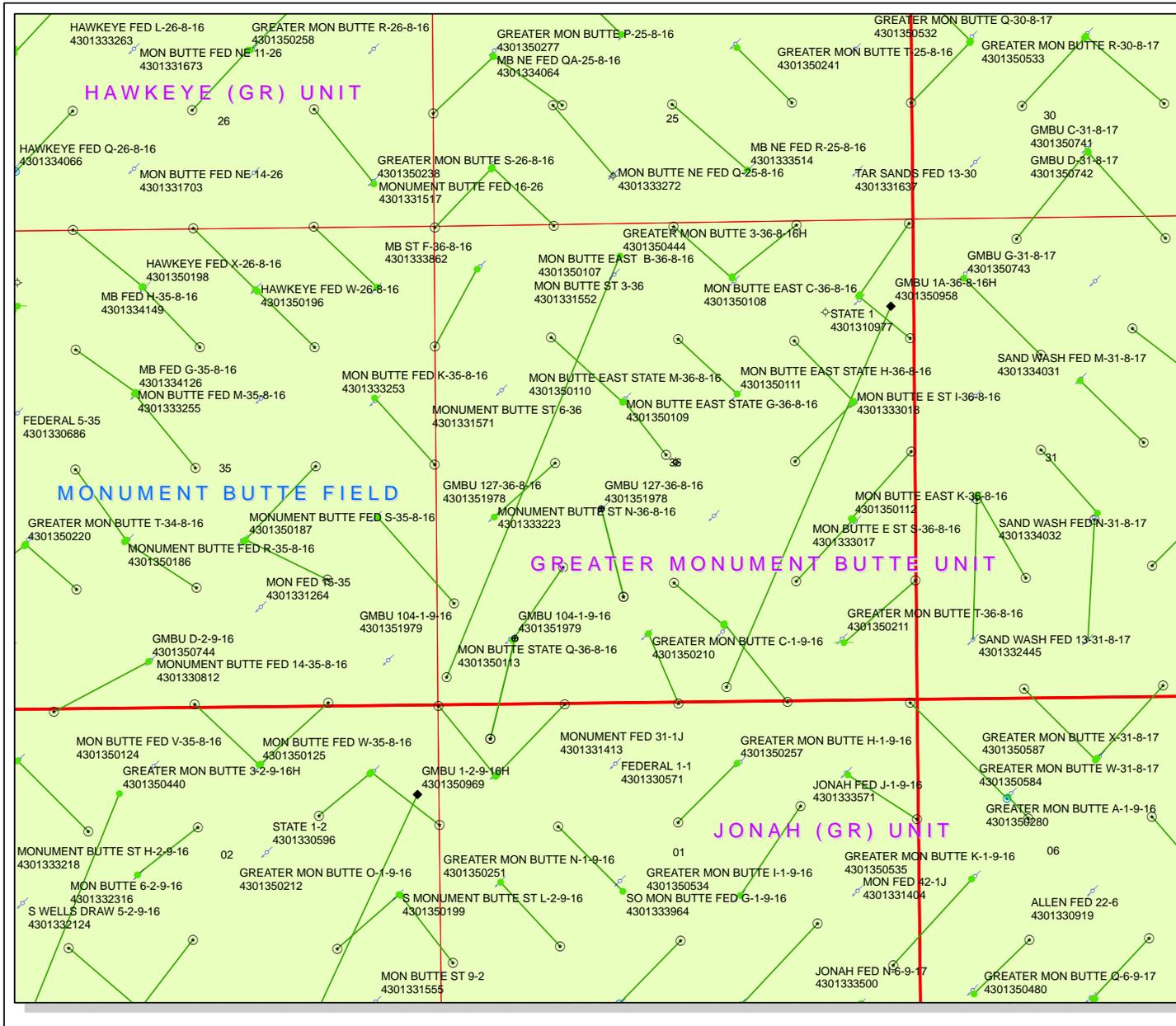
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
6-30-9-16 TGT	6000.0	376.1	1479.9	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	1774.6	17.62	75.74	1756.2	44.1	173.7	1.50	75.74	179.2	
4	6227.3	17.62	75.74	6000.0	376.1	1479.9	0.00	0.00	1527.0	6-30-9-16 TGT

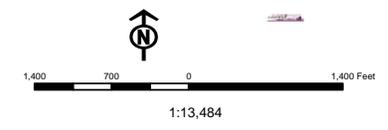




API Number: 4301351978
Well Name: GMBU 127-36-8-16
Township T08.0S Range R16.0E Section 36
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

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





Mail ▾

More

4 of about 97

- COMPOSE**
- Inbox (25)
- Starred
- Important
- Sent Mail
- Drafts
- BLM (83)
- Cabinet
- Electronic filing
- Eng. Tech
- New Permits
- saved
- Follow up
- Misc
- Priority
- Tariq
- More ▾

Newfield Well Approvals

Inbox x

Jeff Conley 2:14 PM (16 hours ago) ★

to Jim, Lavonne, mcrozier, cdmiller, me, Brad

The following wells have been approved by SITLA including arch and paleo resources

- (4301351967) GMBU B-21-9-17
- (4301351980) GMBU 111-32-8-17
- (4301351978) GMBU 127-36-8-16
- (4301351976) GMBU 128-32-8-17
- (4301351977) GMBU 104-5-9-17

The following well is approved by SITLA including arch and paleo with 1 arch recommendation

(4301351979) GMBU 104-1-9-16 (U-12-MQ-1092b,s; 1 eligible site, 42Dc2653, adjacent to the north side of the well pad - cultural clearance is given provided the proponent restricts development to the north of the existing well pad; if the proponent decides expansion of the well pad to the north is necessary, then either archaeological monitoring or avoidance fencing along the southern edge of the eligible site is required)



Click here to [Reply](#), [Reply to all](#), or [Forward](#)

People (6)

Jeff Conley
Trust Lands Resource Specialist

[Show details](#)

Well Name	NEWFIELD PRODUCTION COMPANY GMBU 127-36-8-16 430135197			
String	SURF	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	700	6389		
Previous Shoe Setting Depth (TVD)	0	700		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2786	8.4		

Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	302		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	218	NO	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	148	NO	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	148	NO	OK
Required Casing/BOPE Test Pressure=		700	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

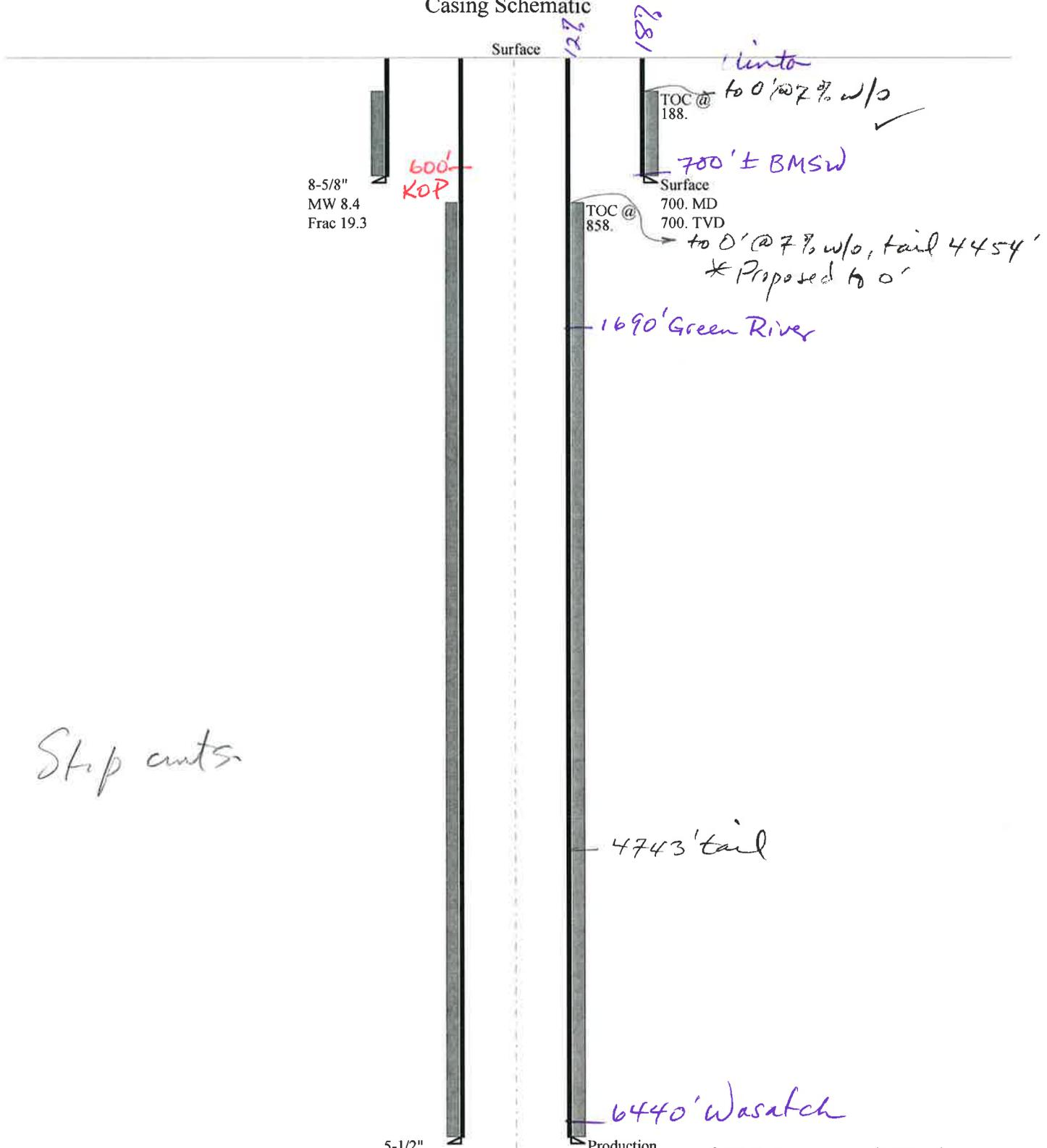
Calculations	PROD String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2757		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1990	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1351	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1505	NO	Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		700	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

43013519780000 GMBU 127-36-8-16

Casing Schematic



linta
to 0' @ 7% w/o ✓

to 0' @ 7% w/o, tail 4454'
* Proposed to 0'

Step cuts

2147 SL	1819 WL
- 971	251
1176 FSL ✓	2070 FWL ✓ OK

SE SW Sec 36 85-16E

Well name:	43013519780000 GMBU 127-36-8-16	
Operator:	NEWFIELD EXPLORATION COMPANY	
String type:	Surface	Project ID: 43-013-51978
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 84 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 188 ft

Burst

Max anticipated surface pressure: 880 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 964 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 612 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 1.5 °

Re subsequent strings:

Next setting depth: 6,389 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,788 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,000 ft
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	700	8.625	24.00	J-55	ST&C	700	700	7.972	3604
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	305	1350	4.420	964	2950	3.06	14.7	244	16.62 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 28, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 700 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43013519780000 GMBU 127-36-8-16	
Operator:	NEWFIELD EXPLORATION COMPANY	
String type:	Production	Project ID: 43-013-51978
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 163 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 858 ft

Burst

Max anticipated surface pressure: 1,382 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,788 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,653 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1003 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 10.44 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6479	5.5	15.50	J-55	LT&C	6389	6479	4.825	22877
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2788	4040	1.449	2788	4810	1.73	99	217	2.19 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: May 28, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6389 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU 127-36-8-16
API Number 43013519780000 **APD No** 7498 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NESW **Sec** 36 **Tw** 8.0S **Rng** 16.0E 2147 FSL 1819 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Shon McKinnon - Newfield

Regional/Local Setting & Topography

Location is a new hole on an existing pad that is no longer visible. Pad is acting as a storage yard. A dilapidated building and a gas flare is nearby or on pad. Location not staked. Coordinates could not be verified. Location sit atop a hill. Host well is the 1-36-8-16. Quesstar has a repair shop and gas (compressor?) treatment building very nearby.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad Width Length	Src Const Material	Surface Formation
-------------------	-----------------------------	--------------------	-------------------

Ancillary Facilities Y

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required?

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potential Observed?	Cultural Survey Run?	Cultural Resources?
--------------------------	----------------------------------	-----------------------------	----------------------------

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)
Distance to Surface Water (feet)
Dist. Nearest Municipal Well (ft)
Distance to Other Wells (feet)
Native Soil Type
Fluid Type
Drill Cuttings
Annual Precipitation (inches)
Affected Populations
Presence Nearby Utility Conduits

Final Score

Sensitivity Level

Characteristics / Requirements

**Closed Loop Mud Required? Liner Required? Liner Thickness Pit Underlayment
Required?**

Other Observations / Comments

**Chris Jensen
Evaluator**

**2/13/2013
Date / Time**

**Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7498	43013519780000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU 127-36-8-16		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NESW 36 8S 16E S 2147 FSL 1819 FWL GPS Coord (UTM) 579242E 4436272N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a major source of useable ground water. However, ground water in the Uinta Formation should be of sufficient quality and quantity for isolated domestic and agricultural use and should be protected. Surface casing should be extended to the estimated base of the moderately saline ground water.

Brad Hill
APD Evaluator

2/26/2013
Date / Time

Surface Statement of Basis

Location is a new hole on an existing pad that is no longer visible. Pad is currently acting as a storage yard. A dilapidated building and a gas flare is near or on pad. Pit needs to be lined and location bermed as it is on hill. Pad needs to be located to maintain separation from gas flare for both the wellhead and reserve pit. I would like to see the location cleaned and stored materials removed elsewhere.

Chris Jensen
Onsite Evaluator

2/13/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/21/2013

API NO. ASSIGNED: 43013519780000

WELL NAME: GMBU 127-36-8-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NESW 36 080S 160E

Permit Tech Review:

SURFACE: 2147 FSL 1819 FWL

Engineering Review:

BOTTOM: 1173 FSL 2055 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.07299

LONGITUDE: -110.07068

UTM SURF EASTINGS: 579242.00

NORTHINGS: 4436272.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22061

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - B001834
- 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: 5 - Statement of Basis - bhill
 12 - Cement Volume (3) - hmacdonald
 15 - Directional - dmason
 25 - Surface Casing - hmacdonald
 27 - Other - bhill



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU 127-36-8-16
API Well Number: 43013519780000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 6/5/2013

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:

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.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

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).

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

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
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

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:

Approved by:

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

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 127-36-8-16
Qtr/Qtr NE/SW Section 36 Township 8S Range 16E
Lease Serial Number ML-22061
API Number 43-013-51978

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

Date/Time 7/2/13 8:00 AM PM

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

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

Date/Time 7/2/13 3:00 AM PM

BOPE

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

RECEIVED
JUL 01 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks _____

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: ML-22061
		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 127-36-8-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013519780000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2147 FSL 1819 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 36 Township: 08.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/5/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS 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.		
<p>On 7/5/13 Pro Petro # 10 spud and drilled 730' of 12 1/4" hole, P/U and run 17 jts of 8 5/8" casing set 711.83 'KB. On 7/6/13 cement w/Pro Petro w/450 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 15bbls to pit, bump plug to 630psi, BLM and State were notified of spud via email.</p>		
		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 16, 2013</p>
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A		DATE 7/16/2013

Casing / Liner Detail

Well: GMBU 127-36-8-16
 Prospect: Monument Butte
 Foreman:
 Run Date:
 String Type: Conductor, 14", 36.75#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
-------	--------	-----	-------------	----	----

70.00			10' KB		
10.00	60.00	2	Conductor	14.000	13.500
70.00					

Cement Company:				Cement Detail			
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft ³)	Description - Slurry Class and Additives		
Stab-In-Job?							Cement To Surface?
BHT:							Est. Top of Cement:
Initial Circulation Pressure:							Plugs Bumped?
Initial Circulation Rate:							Pressure Plugs Bumped:
Final Circulation Pressure:							Floats Holding?
Final Circulation Rate:							Casing Stuck On / Off Bottom?
Displacement Fluid:							Casing Reciprocated?
Displacement Rate:							Casing Rotated?
Displacement Volume:							CIP:
Mud Returns:							Casing Wt Prior To Cement:
Centralizer Type And Placement:							Casing Weight Set On Slips:

Casing / Liner Detail

Well GMBU 127-36-8-16
Prospect Monument Butte
Foreman
Run Date:
String Type Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
711.83			10" KB		
10.00	1.42		Wellhead		
11.42	656.89	16	8 Casing	8.625	
668.31	0.90		Float	8.625	
669.21	41.20	1	Shoe Joint	8.625	
710.41	1.42		Guide Shoe	8.625	
711.83			-		

Cement Detail

Cement Company:		Other			Description - Slurry Class and Additives
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Class G
Slurry 1	450	15.8	1.17	526.5	Class G
Stab-In-Job?			No		
BHT:			0		
Initial Circulation Pressure:					
Initial Circulation Rate:					
Final Circulation Pressure:					
Final Circulation Rate:					
Displacement Fluid:			Other		
Displacement Rate:					
Displacement Volume:			41.8		
Mud Returns:					
Centralizer Type And Placement:					
Middle of first, top of second and third for a total of three.					

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	Yes
Pressure Plugs Bumped:	630
Floats Holding?	Yes
Casing Stuck On / Off Bottom?	No
Casing Reciprocated?	No
Casing Rotated?	No
CIP:	22:03
Casing Wt Prior To Cement:	
Casing Weight Set On Slips:	

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Xabier Lasa Phone Number 435-823-6014
Well Name/Number GMBU 127-36-8-16
Qtr/Qtr SE/SW Section 36 Township 8S Range 16E
Lease Serial Number ML-22061
API Number 43-013-519780000

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

Date/Time 7-16-13 8:00 AM PM

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

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

Date/Time 7-19-13 8:00 AM PM

RECEIVED

JUL 16 2013

DIV. OF OIL, GAS & MINING

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: ML-22061	
		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 127-36-8-16	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013519780000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2147 FSL 1819 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 36 Township: 08.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/7/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The above well was placed on production on 08/07/2013 at 21:40 hours.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 19, 2013			
NAME (PLEASE PRINT) Jennifer Peatross		PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A		DATE 8/19/2013	

Form 3160-4
(March 2012)

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.
ML-22061

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU (GRRV)

8. Lease Name and Well No.
GMBU 127-36-8-16

9. API Well No.
43-013-51978

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC. 36, T8S, R16E

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
07/05/2013

15. Date T.D. Reached
07/20/2013

16. Date Completed
08/07/2013
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5491' GL 5501'KB

18. Total Depth: MD 6475'
TVD 6380'

19. Plug Back T.D.: MD 6404'
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)

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 2147' FSL & 1819' FWL (NE/SW) SEC. 36, T8S, R16E (ML-22061)
At top prod. interval reported below 1514' FSL & 1982' FWL (NE/SW) SEC. 36, T8S, R16E (ML-22061)
At total depth 1174' FSL & 2066' FWL (SE/SW) SEC. 36, T8S, R16E (ML-22061)

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	712'		450 Class G			
7-7/8"	5-1/2" J-55	15.5#	0	6460'		310 Econocem 460Expandacem		Surface	

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@ 6314'	TA@ 6135'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4515'	6192'	4515' - 6192' MD	.34	70	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4515' - 6192' MD	Frac w/ 142,900#s of 20/40 white sand in 2,156 bbls of Lightning 17 fluid, in 5 stages.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/7/13	8/17/13	24	→	5	51	118			2.5 x 1.75 x 24 RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28. Production - Interval A

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

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK	4000'
				GARDEN GULCH 1	4205'
				GARDEN GULCH 2	4328'
				POINT 3	4597'
				X MRKR	4847'
				Y MRKR	4882'
				DOUGLAS CREEK MRK	5007'
				BI CARBONATE MRK	5258'
				B LIMESTONE MRK	5389'
				CASTLE PEAK	5867'
				BASAL CARBONATE	6300'
				WASATCH	6436'

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 09/03/2013

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 36 T8S, R16E
127-36-8-16
Wellbore #1**

Design: Actual

End of Well Report

01 August, 2013





Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION	Local Co-ordinate Reference: Well 127-36-8-16
Project: USGS Myton SW (UT)	127-36-8-16 @ 5501.0ft (NDSI SS #1)
Site: SECTION 36 T8S, R16E	TVD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
Well: 127-36-8-16	North Reference: True
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Actual	Database: EDM 2003.21 Single User Db

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

Site: SECTION 36 T8S, R16E, SEC 26 T8S, R16E	Northing: 7,202,697.00 ft	Latitude: 40° 5' 3.401 N
Site Position:	Eastng: 2,045,250.00 ft	Longitude: 110° 3' 10.915 W
From: Lat/Long	Slot Radius: 0.0 ft	Grid Convergence: 0.93 °
Position Uncertainty: 0.0 ft		

Well: 127-36-8-16, SHL LAT: 40 04 22.87 LONG: -110 04 14.59	Northing: 7,198,516.87 ft	Latitude: 40° 4' 22.870 N
Well Position	Eastng: 2,040,367.31 ft	Longitude: 110° 4' 14.590 W
Position Uncertainty	Wellhead Elevation: 5,501.0 ft	Ground Level: 5,491.0 ft

Wellbore	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
Wellbore #1	IGRF2010	11/8/2012	11.14	65.78	52,146

Design: Actual	Phase: ACTUAL	Tie On Depth: 0.0
Audit Notes:		
Version: 1.0	Depth From (TVD) (ft)	Direction (°)
	+N-S (ft) 0.0	165.52
	+E-W (ft) 0.0	
Vertical Section:	Depth From (TVD) (ft)	
	5,121.0	

Survey Program	Date	Tool Name	Description
From (ft) 105.0	8/1/2013	MWD	MWD - Standard
To (ft) 6,475.0			
Survey (Wellbore)			
Survey #1 (Wellbore #1)			

RECEIVED: Sep. 06, 2013



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Mylon SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 127-36-8-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference:
 TVD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
 MD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

MD (ft)	Inc (")	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	NIS (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00
105.0	0.26	189.75	105.0	0.2	-0.2	0.0	0.25	0.25	0.00
135.0	0.35	286.81	135.0	0.2	-0.3	-0.1	1.54	0.30	323.53
162.0	0.48	296.52	162.0	0.1	-0.2	-0.3	0.55	0.48	35.96
192.0	0.44	293.40	192.0	0.0	-0.1	-0.5	0.16	-0.13	-10.40
220.0	0.44	291.60	220.0	-0.2	0.0	-0.7	0.05	0.00	-6.43
247.0	0.53	274.06	247.0	-0.3	0.0	-1.0	0.64	0.33	-64.96
277.0	0.53	285.49	277.0	-0.4	0.1	-1.2	0.35	0.00	38.10
305.0	0.57	282.85	305.0	-0.5	0.1	-1.5	0.17	0.14	-9.43
334.0	0.53	270.99	334.0	-0.6	0.2	-1.8	0.42	-0.14	-40.90
365.0	0.53	281.14	365.0	-0.7	0.2	-2.0	0.30	0.00	32.74
395.0	0.53	270.81	395.0	-0.8	0.2	-2.3	0.32	0.00	-34.43
425.0	0.53	282.72	425.0	-0.9	0.3	-2.6	0.37	0.00	39.70
455.0	0.57	279.65	455.0	-1.0	0.3	-2.9	0.17	0.13	-10.23
485.0	0.53	276.57	485.0	-1.1	0.4	-3.2	0.17	-0.13	-10.27
515.0	0.44	264.57	515.0	-1.2	0.4	-3.4	0.45	-0.30	-40.00
545.0	0.40	271.69	545.0	-1.3	0.4	-3.6	0.22	-0.13	23.73
575.0	0.35	280.96	575.0	-1.3	0.4	-3.8	0.26	-0.17	30.90
605.0	0.48	286.81	605.0	-1.4	0.4	-4.0	0.46	0.43	19.50
635.0	0.35	285.01	635.0	-1.5	0.5	-4.3	0.44	-0.43	-6.00
651.0	0.31	289.62	651.0	-1.6	0.5	-4.3	0.30	-0.25	28.81
741.0	0.50	227.10	741.0	-1.5	0.3	-4.9	0.50	0.21	-69.47
771.0	0.40	260.20	771.0	-1.5	0.2	-5.1	0.91	-0.33	110.33
802.0	0.30	220.70	802.0	-1.5	0.2	-5.2	0.82	-0.32	-127.42
832.0	0.70	165.30	832.0	-1.2	-0.1	-5.2	1.95	1.33	-184.67
863.0	1.40	131.00	863.0	-0.7	-0.5	-4.9	2.94	2.26	-110.65
893.0	1.80	134.20	893.0	0.0	-1.1	-4.3	1.37	1.33	10.67



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 127-36-8-16
 127-36-8-16 @ 5501.0ft (NDSI SS #1)
 127-36-8-16 @ 5501.0ft (NDSI SS #1)
TVD Reference: True
MD Reference: Minimum Curvature
North Reference: EDM 2003.21 Single User Db
Survey Calculation Method:
Database:

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Buidl (°/100ft)	Turn (°/100ft)
924.0	2.20	139.80	923.9	0.9	-1.9	-3.5	1.43	1.29	18.06
954.0	2.50	139.60	953.9	2.0	-2.8	-2.7	1.00	1.00	-0.67
984.0	2.60	142.80	983.9	3.3	-3.9	-1.9	0.58	0.33	10.67
1,015.0	3.00	145.30	1,014.8	4.7	-5.1	-1.0	1.35	1.29	8.06
1,045.0	3.50	148.40	1,044.8	6.3	-6.5	-0.1	1.77	1.67	10.33
1,091.0	4.30	158.10	1,090.7	9.3	-9.3	1.3	2.25	1.74	21.09
1,135.0	5.00	154.00	1,134.5	12.8	-12.6	2.7	1.76	1.59	-9.32
1,180.0	5.60	156.10	1,179.4	16.9	-16.3	4.5	1.40	1.33	4.67
1,226.0	6.50	157.20	1,225.1	21.7	-20.8	6.4	1.97	1.96	2.39
1,270.0	6.80	161.60	1,268.8	26.8	-25.6	8.2	1.34	0.68	10.00
1,316.0	7.70	160.60	1,314.4	32.6	-31.0	10.1	1.98	1.96	-2.17
1,362.0	8.30	161.10	1,360.0	39.0	-37.1	12.2	1.31	1.30	1.09
1,407.0	8.80	163.50	1,404.5	45.6	-43.5	14.2	1.36	1.11	5.33
1,453.0	9.10	164.90	1,449.9	52.8	-50.3	16.2	0.81	0.65	3.04
1,497.0	9.70	166.20	1,493.3	60.0	-57.3	17.9	1.45	1.36	2.95
1,541.0	10.00	166.60	1,536.7	67.5	-64.6	19.7	0.70	0.68	0.91
1,585.0	10.60	166.20	1,580.0	75.4	-72.3	21.6	1.37	1.36	-0.91
1,629.0	11.00	167.30	1,623.2	83.6	-80.3	23.5	1.02	0.91	2.50
1,675.0	11.60	167.10	1,668.3	92.6	-89.1	25.5	1.31	1.30	-0.43
1,718.0	12.00	166.00	1,710.4	101.4	-97.6	27.5	1.07	0.93	-2.56
1,762.0	12.50	165.30	1,753.4	110.7	-106.7	29.8	1.19	1.14	-1.59
1,808.0	12.60	166.10	1,798.3	120.7	-116.4	32.3	0.44	0.22	1.74
1,854.0	12.10	164.30	1,843.2	130.6	-125.9	34.8	1.37	-1.09	-3.91
1,900.0	12.00	163.50	1,888.2	140.2	-135.1	37.5	0.42	-0.22	-1.74
1,944.0	12.10	164.70	1,931.3	149.4	-143.9	40.0	0.61	0.23	2.73
1,990.0	11.70	166.50	1,976.3	158.8	-153.1	42.3	1.19	-0.87	3.91
2,035.0	11.80	167.00	2,020.3	168.0	-162.0	44.4	0.32	0.22	1.11

RECEIVED: Sep. 06, 2013



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 127-36-8-16
TVD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
MD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
2,079.0	11.40	166.40	2,063.4	176.9	-170.7	46.5	0.95	-0.91	-1.36
2,123.0	11.30	165.10	2,106.6	185.5	-179.0	48.6	0.62	-0.23	-2.95
2,169.0	11.50	167.80	2,151.7	194.6	-187.9	50.7	1.24	0.43	5.87
2,213.0	12.10	167.80	2,194.7	203.6	-196.7	52.6	1.36	1.36	0.00
2,259.0	11.90	165.40	2,239.7	213.1	-206.0	54.8	1.17	-0.43	-5.22
2,302.0	11.50	163.30	2,281.8	221.9	-214.4	57.2	1.36	-0.93	-4.88
2,348.0	11.90	163.10	2,326.9	231.2	-223.3	59.9	0.87	0.87	-0.43
2,394.0	11.90	165.80	2,371.9	240.7	-232.4	62.4	1.21	0.00	5.87
2,438.0	11.80	166.20	2,414.9	249.7	-241.2	64.6	0.29	-0.23	0.91
2,484.0	11.90	167.60	2,460.0	259.1	-250.4	66.8	0.66	0.22	3.04
2,527.0	11.90	168.80	2,502.0	268.0	-259.1	68.6	0.58	0.00	2.79
2,573.0	12.10	166.90	2,547.0	277.6	-268.4	70.6	0.96	0.43	-4.13
2,619.0	11.90	164.20	2,592.0	287.1	-277.7	73.0	1.30	-0.43	-5.87
2,663.0	12.00	163.60	2,635.1	296.2	-286.4	75.5	0.36	0.23	-1.36
2,709.0	12.50	164.30	2,680.0	306.0	-295.8	78.2	1.13	1.09	1.52
2,753.0	11.90	164.10	2,723.0	315.3	-304.8	80.7	1.37	-1.36	-0.45
2,797.0	11.40	165.20	2,766.1	324.2	-313.3	83.1	1.24	-1.14	2.50
2,840.0	11.00	165.00	2,808.3	332.5	-321.4	85.2	0.93	-0.93	-0.47
2,886.0	11.20	165.80	2,853.4	341.4	-330.0	87.5	0.55	0.43	1.74
2,930.0	11.60	167.50	2,896.6	350.1	-338.4	89.5	1.19	0.91	3.86
2,976.0	11.50	167.30	2,941.6	359.3	-347.4	91.5	0.23	-0.22	-0.43
3,020.0	11.60	166.80	2,984.8	368.1	-356.0	93.4	0.32	0.23	-1.14
3,063.0	11.80	165.60	3,026.9	376.8	-364.5	95.5	0.73	0.47	-2.79
3,107.0	12.20	166.50	3,069.9	385.9	-373.4	97.7	1.00	0.91	2.05
3,153.0	11.90	168.50	3,114.9	395.5	-382.7	99.8	1.12	-0.65	4.35
3,197.0	12.00	169.40	3,157.9	404.6	-391.7	101.6	0.48	0.23	2.05
3,241.0	11.60	167.40	3,201.0	413.6	-400.5	103.4	1.30	-0.91	-4.55



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 127-36-8-16
TVD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
MD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
3,286.0	11.70	166.80	3,245.1	422.7	-409.4	105.4	0.35	0.22	-1.33
3,332.0	11.69	166.66	3,290.1	432.0	-418.4	107.5	0.07	-0.02	-0.30
3,378.0	10.63	164.60	3,335.3	440.9	-427.1	109.7	2.46	-2.30	-4.48
3,422.0	10.50	163.80	3,378.5	449.0	-434.8	111.9	0.45	-0.30	-1.82
3,465.0	10.90	167.60	3,420.8	457.0	-442.5	113.9	1.89	0.93	8.84
3,511.0	11.20	168.80	3,465.9	465.8	-451.2	115.7	0.82	0.65	2.61
3,557.0	11.40	168.70	3,511.0	474.8	-460.0	117.5	0.44	0.43	-0.22
3,601.0	10.90	167.50	3,554.2	483.3	-468.3	119.2	1.25	-1.14	-2.73
3,644.0	10.80	166.70	3,596.4	491.4	-476.2	121.0	0.42	-0.23	-1.86
3,690.0	10.80	166.00	3,641.6	500.0	-484.6	123.0	0.29	0.00	-1.52
3,736.0	10.70	166.40	3,686.8	508.6	-492.9	125.1	0.27	-0.22	0.87
3,782.0	10.70	165.40	3,732.0	517.1	-501.2	127.2	0.40	0.00	-2.17
3,826.0	10.70	166.00	3,775.2	525.3	-509.1	129.2	0.25	0.00	1.36
3,872.0	10.90	167.50	3,820.4	533.9	-517.5	131.2	0.75	0.43	3.26
3,918.0	10.70	165.60	3,865.6	542.5	-525.9	133.2	0.89	-0.43	-4.13
3,964.0	10.50	165.50	3,910.8	551.0	-534.1	135.3	0.44	-0.43	-0.22
4,007.0	10.30	164.80	3,953.1	558.7	-541.6	137.3	0.55	-0.47	-1.63
4,051.0	10.50	162.80	3,996.4	566.7	-549.2	139.5	0.94	0.45	-4.55
4,097.0	10.70	162.80	4,041.6	575.1	-557.3	142.0	0.43	0.43	0.00
4,141.0	10.80	163.10	4,084.8	583.3	-565.2	144.4	0.26	0.23	0.68
4,185.0	11.10	163.40	4,128.0	591.7	-573.2	146.8	0.69	0.68	0.68
4,231.0	11.30	164.40	4,173.2	600.6	-581.8	149.3	0.61	0.43	2.17
4,277.0	11.50	164.90	4,218.2	609.7	-590.5	151.7	0.48	0.43	1.09
4,322.0	11.70	166.00	4,262.3	618.7	-599.3	154.0	0.66	0.44	2.44
4,368.0	11.30	166.10	4,307.4	627.9	-608.2	156.2	0.87	-0.87	0.22
4,412.0	10.70	166.20	4,350.6	636.3	-616.3	158.2	1.36	-1.36	0.23
4,458.0	10.60	164.70	4,395.8	644.8	-624.6	160.3	0.64	-0.22	-3.26

RECEIVED: Sep. 06, 2013



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 127-36-8-16
TVD Reference: 127-36-8-16 @ 5501.0ft (NDS/SS #1)
MD Reference: 127-36-8-16 @ 5501.0ft (NDS/SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,504.0	10.20	165.50	4,441.0	653.1	-632.6	162.5	0.92	-0.87	1.74
	4,548.0	9.80	168.10	4,484.4	660.7	-640.0	164.2	1.37	-0.91	5.91
	4,591.0	9.40	170.80	4,526.8	667.9	-647.1	165.5	1.40	-0.93	6.28
	4,635.0	9.40	173.90	4,570.2	675.0	-654.2	166.5	1.15	0.00	7.05
	4,681.0	9.30	173.30	4,615.6	682.4	-661.6	167.3	0.30	-0.22	-1.30
	4,725.0	9.10	170.50	4,659.0	689.4	-668.6	168.3	1.11	-0.45	-6.36
	4,771.0	9.50	170.30	4,704.4	696.8	-675.9	169.5	0.87	0.87	-0.43
	4,816.0	9.80	168.80	4,748.8	704.3	-683.3	170.9	0.87	0.67	-3.33
	4,860.0	9.80	168.30	4,792.1	711.8	-690.7	172.4	0.19	0.00	-1.14
	4,906.0	9.80	166.00	4,837.5	719.7	-698.3	174.1	0.85	0.00	-5.00
	4,952.0	9.90	165.80	4,882.8	727.5	-705.9	176.0	0.23	0.22	-0.43
	4,996.0	9.80	164.20	4,926.1	735.0	-713.2	178.0	0.66	-0.23	-3.64
	5,040.0	10.00	163.00	4,969.5	742.6	-720.5	180.1	0.65	0.45	-2.73
	5,084.0	10.50	162.50	5,012.8	750.4	-727.9	182.5	1.15	1.14	-1.14
	5,127.0	10.90	163.20	5,055.0	758.4	-735.6	184.8	0.98	0.93	1.63
	5,173.0	11.40	163.10	5,100.2	767.3	-744.1	187.4	1.09	1.09	-0.22
	5,193.8	11.40	163.43	5,120.5	771.4	-748.0	188.6	0.31	0.00	1.59
127-36-8-16 TGT										
	5,217.0	11.40	163.80	5,143.3	776.0	-752.4	189.9	0.31	0.00	1.59
	5,263.0	11.20	164.40	5,188.4	785.0	-761.1	192.3	0.50	-0.43	1.30
	5,309.0	11.10	162.90	5,233.5	793.9	-769.6	194.8	0.67	-0.22	-3.26
	5,353.0	11.10	161.80	5,276.7	802.3	-777.7	197.4	0.48	0.00	-2.50
	5,398.0	10.80	164.70	5,320.9	810.9	-785.9	199.9	1.39	-0.67	6.44
	5,444.0	10.70	166.20	5,366.1	819.5	-794.2	202.0	0.65	-0.22	3.26
	5,488.0	10.70	168.30	5,409.3	827.6	-802.1	203.8	0.89	0.00	4.77
	5,532.0	11.30	166.60	5,452.5	836.0	-810.3	205.7	1.55	1.36	-3.86
	5,576.0	12.10	166.10	5,495.6	844.9	-819.0	207.8	1.83	1.82	-1.14

RECEIVED: Sep. 06, 2013



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: 127-36-8-16
Wellbore: Wellbore #1
Design: Actual

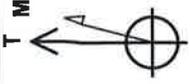
Local Co-ordinate Reference:
TVD Reference: Well 127-36-8-16
MD Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
North Reference: 127-36-8-16 @ 5501.0ft (NDSI SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 2003.21 Single User Db

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
5,620.0	12.20	166.00	5,538.6	854.2	-828.0	210.0	0.23	0.23	-0.23
5,663.0	11.60	167.90	5,580.7	863.1	-836.6	212.0	1.67	-1.40	4.42
5,707.0	11.50	172.10	5,623.8	871.8	-845.3	213.5	1.92	-0.23	9.55
5,751.0	11.30	171.20	5,666.9	880.5	-853.9	214.8	0.61	-0.45	-2.05
5,795.0	11.30	170.00	5,710.1	889.1	-862.4	216.2	0.53	0.00	-2.73
5,841.0	11.50	169.60	5,755.2	898.1	-871.4	217.8	0.47	0.43	-0.87
5,884.0	11.30	167.80	5,797.3	906.6	-879.7	219.5	0.95	-0.47	-4.19
5,928.0	11.60	165.20	5,840.4	915.4	-888.2	221.5	1.36	0.68	-5.91
5,974.0	11.10	165.00	5,885.5	924.4	-896.9	223.8	1.09	-1.09	-0.43
6,020.0	10.20	164.50	5,930.7	932.9	-905.1	226.1	1.97	-1.96	-1.09
6,064.0	9.40	165.20	5,974.1	940.4	-912.4	228.0	1.84	-1.82	1.59
6,108.0	9.20	166.90	6,017.5	947.5	-919.3	229.8	0.77	-0.45	3.86
6,154.0	9.50	164.80	6,062.9	955.0	-926.5	231.6	0.99	0.65	-4.57
6,199.0	9.70	159.40	6,107.3	962.5	-933.6	233.9	2.05	0.44	-12.00
6,245.0	9.30	157.90	6,152.7	970.0	-940.7	236.7	1.02	-0.87	-3.26
6,291.0	8.80	159.90	6,198.1	977.2	-947.5	239.3	1.28	-1.09	4.35
6,335.0	8.50	161.90	6,241.6	983.8	-953.7	241.4	0.97	-0.68	4.55
6,381.0	8.30	163.90	6,287.1	990.5	-960.1	243.4	0.77	-0.43	4.35
6,423.0	8.00	165.70	6,328.7	996.4	-965.9	245.0	0.94	-0.71	4.29
6,475.0	8.00	165.70	6,380.2	1,003.7	-972.9	246.8	0.00	0.00	0.00

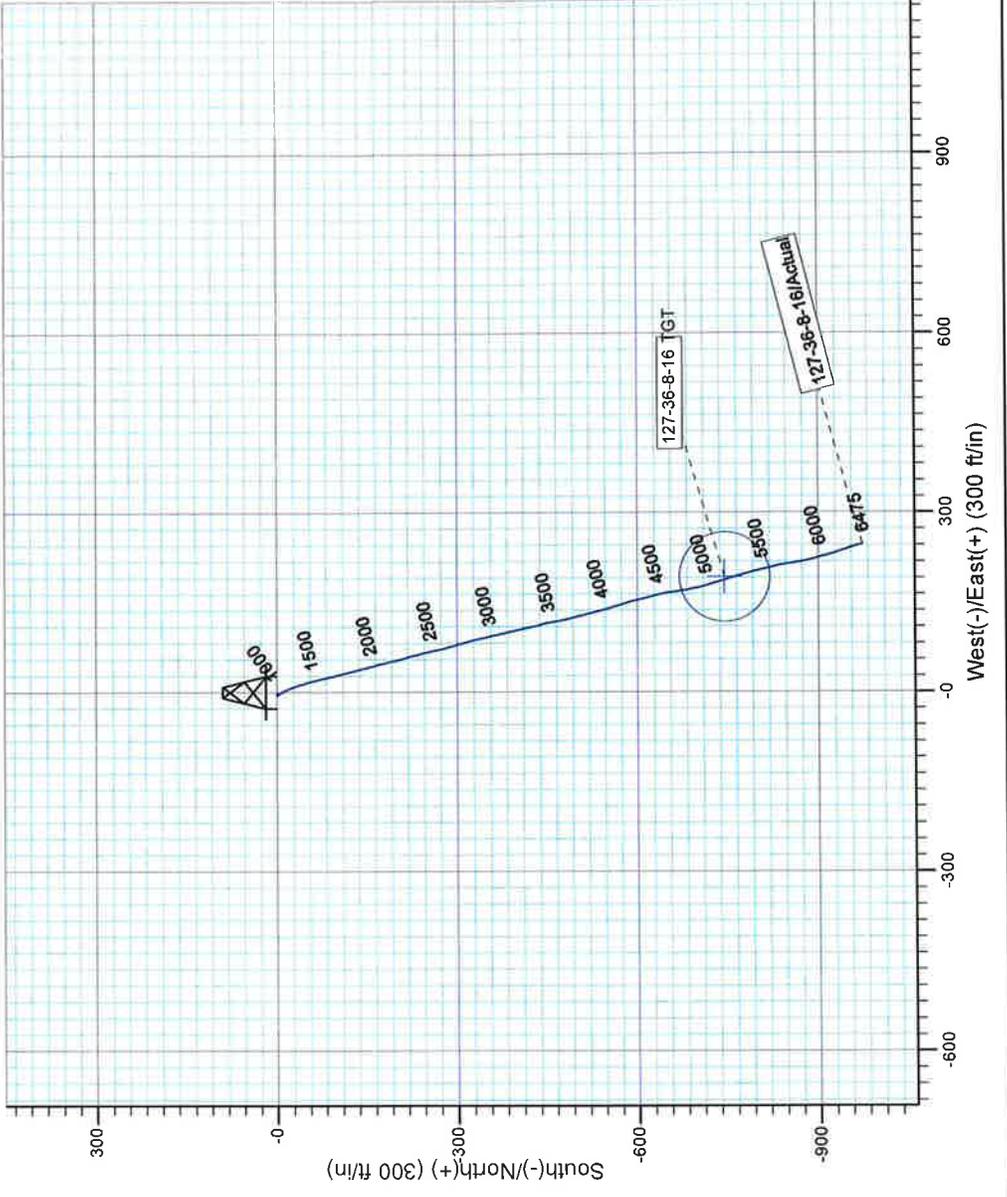
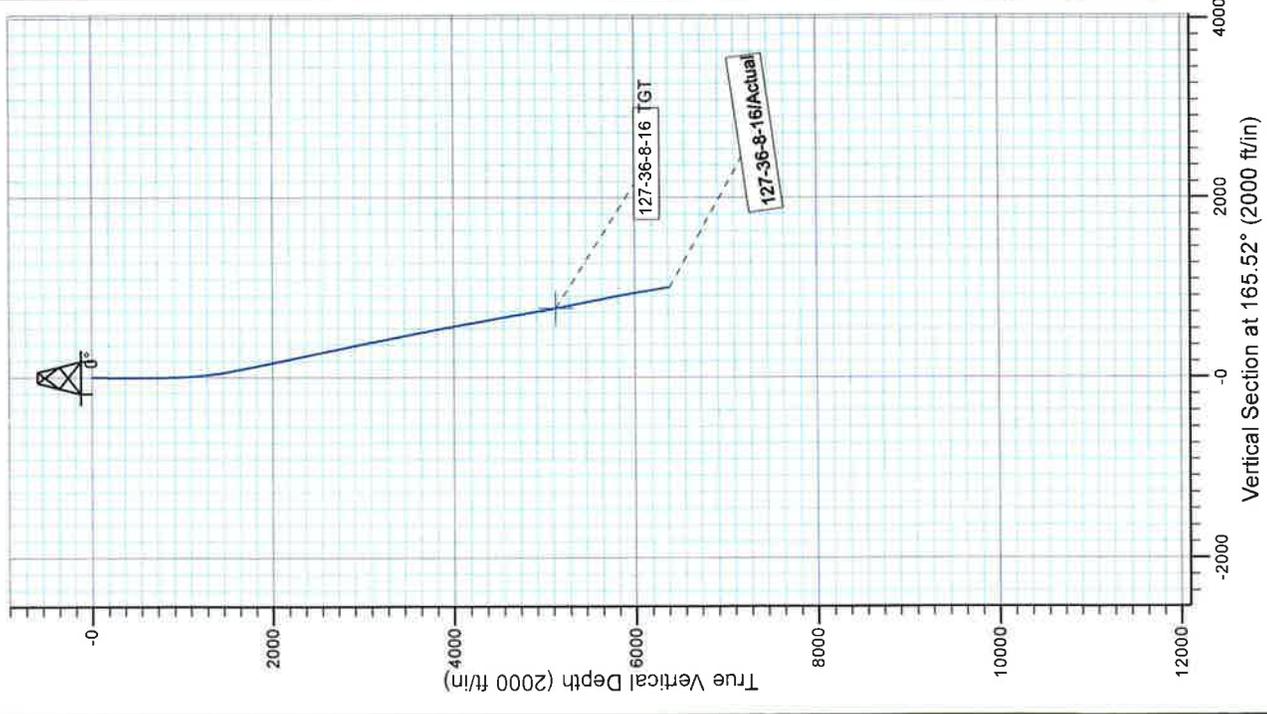
Checked By: _____ Approved By: _____ Date: _____

RECEIVED: Sep. 06, 2013

Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: 127-36-8-16
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 11.14°
 Magnetic Field
 Strength: 52146.3snT
 Dip Angle: 66.78°
 Date: 11/8/2012
 Model: IGRF2010



Design: Actual (127-36-8-16/Wellbore #1)

Created By: Sarah Welt Date: 10:12, August 01 2013

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

Daily Activity Report**Format For Sundry****GMBU 127-36-8-16****5/1/2013 To 11/30/2013****8/1/2013 Day: 1****Completion**

Rigless on 8/1/2013 - Run CBL tag PBTB @ 6404 & CMT top @ sur. Perf CB-3 & 4 w/ 2 spf 16 holes test Frac stack & csg. (all tests good) - RU Extreme wireline, Hold pre-job safety meeting & JSA, MU & RIH w/ bond log tools, Tag @ 6404, PBTB @ 6435', Log w/ 0 psi on well, Log short joint @ 3730-41', Cement top @ Sur', LD logging tools, SWI - RU Extreme wireline, MU & RIH w/ 3 1/8" Disposable Slick Guns (16g, 0.34 EH, 21.00 pen), RIH & perforate CP3 & 4 formation @ (6191-92)(6185-86')(6160-62')(6148-50')(6088-90)' (16 holes @ 2 shots per foot), POOH w/ wireline, RD wireline, All guns fired, SWI - RU B&C test unit, Test hyd chambers on single blinds, Test frac valve, csg & outer flow back valves to 250 psi 5-min low & 4300 psi 30-min high, Test single blind & remaining flow back valves to 250 psi 5-min low & 4300 psi 10-min high, All tests good, RD S&S test unit.

Daily Cost: \$0**Cumulative Cost:** \$34,363**8/5/2013 Day: 2****Completion**

Rigless on 8/5/2013 - R/U HES & Extreme Frac stgs. 1-5 Open to flowback @ 3 bpm pres dropping 200# every 30 min. w/ choke on 20/64 recovered 815 ttl bbls turned to oil SWIFN - Pressure test frac equipment Stg.5 Open well 1491 Psi. Break down stg #5 @ 2106 psi w/ 8.6 bw @ 6.9 bpm. Frac stg #5 w/ 30,000# 20/40 sand w/ 17# gelled fluid. ISDP 2534 psi. FG .1.01. 5 min 1673 psi. 10 min 1583 psi. 15 min 1552 psi. Max treating pressure 4115 psi. Avg treating pressure 3763 psi. Max treating rate 21.2 bpm. Avg treating rate 19.6 bpm. BASE FLUID 7% KCL - Open well to Flowback @ 3 bpm starting Pres. @ 1500 Left Choke @ #20 for entire flowback keeping flow @ 2-3/4 to 3-1/4 bpm, pres. Dropping 200# every 30 min. pres 100# @ 5:30 (4-hrs.) open full open started recovering oil TTL 815 bbls recovered SWIFN - Pressure test frac equipment Stg.3 Open well 1543 Psi. Break down stg #3 @ 1880 psi w/ 3.9 bw @ 6.7 bpm. Frac stg #3 w/ 27,230# 20/40 sand w/ 17# gelled fluid. ISDP 2042 psi. FG .84. 5 min 1654 psi. 10 min 1588 psi. 15 min 1565 psi. Max treating pressure 2711 psi. Avg treating pressure 2133 psi. Max treating rate 28.6 bpm. Avg treating rate 28.4 bpm. BASE FLUID 7% KCL - R/U Extreme W/L test lub to 5000#: RIH w/ wireline. Set plug @ 5440'. Perforate stg #3, B2, B1 & C-Sand @ (5366-70')(5330-32)(5206-07) w/ 120? w/ 2 spf. POOH w/ wireline. SWI and prep to frac stg#3 - R/U Extreme W/L test lub to 5000#: RIH w/ wireline. Set plug @ 5180'. Perforate stg #4, D1 & D2 @ (5134-36)(5128-30)(5122-23)(5117-18)(5042-44) w/ 120? w/ 2 spf. POOH w/ wireline. SWI and prep to frac stg#4 - Pressure test frac equipment Stg.2 Open well 1610 Psi. Break down stg #2 @ 1902 psi w/ 2.5 bw @ 4.1 bpm. Frac stg #2 w/ 13,910# 20/40 sand w/ 17# gelled fluid. ISDP 1768 psi. FG .75. 5 min 1676 psi. 10 min 1646 psi. 15 min 1633 psi. Max treating pressure 2758 psi. Avg treating pressure 2045 psi. Max treating rate 24.5 bpm. Avg treating rate 11.9 bpm. BASE FLUID 7% KCL - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point Pressure test frac equipment Stg.1 Open well 74 Psi. Break down stg #1 @ 3145 psi w/ 2.5 bw @ 4.6 bpm. F/ inj pres. 2800# @ 9.8 bpm ISIP-1797,FG. 75 1-min.1620 & 4-min.1513 Frac stg #1 w/ 57,260# 20/40 sand w/ 17# gelled fluid. ISDP 1839 psi. FG .75. 5 min 1672 psi. 10 min 1654 psi. 15 min 1636 psi. Max treating pressure 3578 psi. Avg treating pressure 2829 psi. Max treating rate 35.4 bpm. Avg treating rate 33.2 bpm. BASE FLUID 7% KCL - R/U Extreme W/L test lub to 5000#: RIH w/ wireline. Set plug @ 4670'. Perforate stg #5, GB6 & GB4 @ (4588-92)(4520-21)(4515-16) w/ 120? w/ 2 spf. POOH w/ wireline. SWI and prep to frac stg#5 - Pressure test frac equipment Stg.4 Open well 1553 Psi. Break down stg #4 @ 2564 psi w/ 2.2 bw @ 6.1 bpm. Frac stg #4 w/

27,230# 20/40 sand w/ 17# gelled fluid. ISDP 2569 psi. FG .96. 5 min 1858 psi. 10 min 1673 psi. 15 min 1611 psi. Max treating pressure 3987 psi. Avg treating pressure 3809 psi. Max treating rate 25.5 bpm. Avg treating rate 23 bpm. BASE FLUID 7% KCL - R/U Extreme W/L test lub to 5000#: RIH w/ wireline. Set plug @ 5970'. Perforate stg #2, CP-Half @ (5896-98) (5890-92) w/ 120? w/ 3 spf. POOH w/ wireline. SWI and prep to frac stg#2.

Daily Cost: \$0

Cumulative Cost: \$149,763

8/7/2013 Day: 3

Completion

Nabors #1406 on 8/7/2013 - MIRUSU, N/D FRAC VALVE N/U & P/T D/O STACK P/U RIH W/ BRS W/ DOUBLE FLOATS D/O 5- CBP's C/O TO PBTD @ 6404' POOH TO 6000' WELL FLOWING 1 BPM TURN TO BATTERY OVERNIGHT - CREW TRAVEL, JSA, JSP, START EQUIPMENT - MIRUSU/ DERRICK INSPECTION - RU WORKFLOOR, RU TBG EQUIPMENT, R/U B&C TESTERS & P/T ALL COMPONENTS OF BOPE 250-300 LOW FOR 5-MIN. AND 5000# HIGH FOR 10-MIN. ALL TESTS GOOD, UNLOAD 211 JNTS 2 7/8" J-55 TBG, PREP TALLEY TBG - PU 4 3/4' MILL, POBS, 1 JNT, X-NIPPLE, 140 MORE JNTS, TAGGING KILL PLUG @ 4420, FILLING TBG HALF WAY IN - RU RBS POWER SWIVEL, RU PUMP LINES, BREAK CIRCULATION - DRILL OUT KILL PLUG 20MIN, 1000 PSI UNDER PLUG, SWIVEL IN 9 JNTS, TAGGING PLUG #1 @ 4680, NO FILL, JNT 150, DRILL OUT PLUG 20 MIN, NO ADDITIONAL PRESSURE, HANG SWIVEL BACK PU 16 JNTS TAGGING PLUG #2 NO FILL, DRILL OUT PLUG 15 MIN, NO ADDITIONAL PRESSURE, SWIVEL IN 8 JNTS TAGGING #3 @ 5440 NO FILL, DRILL OUT PLUG 20 MIN, NO ADDITIONAL PRESSURE, HANG SWIVEL BACK, PU 17 JNTS, TAGGING #4, NO FILL, DRILL OUT PLUG NO ADDITIONAL PRESSURE, SWIVEL IN 13 JNTS, CLEANING OUT 95 FT OF FILL ON PBTD @6404 JNT 204 - ROLL HOLE CLEAN 140 BBLs, PULL TO DERRICK W/ 12 JNTS, EOT @ 6,000 FT, SEND WELL TO BATTERY, SDFN - RD FMC 5K FRAC VALVE, NU WTD D/O STACK

Daily Cost: \$0

Cumulative Cost: \$170,625

8/8/2013 Day: 4

Completion

Nabors #1406 on 8/8/2013 - Pooh w/ D/O BHA L/D BRS & 4-3/4 mill, P/U RIH w/ Desander BHA set Tac w/ 18k tension, P/U RIH w/ pump & rods PWOP - LD 11 TOTAL JNTS, POOH W/ 200 JNTS, X NIPPLE, POBS, MILL - RIH W/ PERGE VALVE, 3 JNTS, DESANDER, 1 JNT, SN, 1 JNT, TAC, 195 MORE JNTS, SET TAC FROM WORKFLOOR W/ 18K TENSION - RD WORKFLOOR, ND BOP, ND BLIND RAM - ROLL HOLE 130 BBLs, REMOVE 4FT SUB FROM WELL, LAND WELL, SN @ 6158.93, TAC @ 6124.75, EOT @ 6303.55 - X-O ROD EQUIPMENT, SPOT IN ROD TRAILER, PU AND PRIME NEW 2.5 X 1.75 X 24' RHAC (NATIONAL PUMP, PU 32 8PER 7/8" RODS, 130 3/4' 4PERS, 82 7/8" 4PERS, SPACE OUT W/ 8,6,4 AND 2FT 7/8" PONIES, PU 30' X 1 1/2" POLISH ROD - ROLL UNIT, HANG HORSE HEAD, NU UNIT, STROKE UP TO 800 PSI (GOOD), RDSUMOL - CSG 100 PSI, RIH W/ 6 STANDS OUT OF DERRICK, 8FT OF NEW FILL, CLEAN OUT FILL, ROLL HOLE CLEAN 150 BBLs **Finalized**

Daily Cost: \$0

Cumulative Cost: \$251,825

Pertinent Files: Go to File List