

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

FORM 3

AMENDED REPORT 

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER GMBU S-20-9-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well      Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-77369			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2003 FSL 2097 FEL		NWSE	20	9.0 S	17.0 E	S		
Top of Uppermost Producing Zone		1619 FSL 1700 FEL		NWSE	20	9.0 S	17.0 E	S		
At Total Depth		1161 FSL 1259 FEL		SESE	20	9.0 S	17.0 E	S		
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1161			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 840			26. PROPOSED DEPTH MD: 5603 TVD: 5450				
27. ELEVATION - GROUND LEVEL 5393			28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
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 - 5603	15.5	J-55 LT&C	8.3	Premium Lite High Strength	249	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier			TITLE Regulatory Tech			PHONE 435 646-4825				
SIGNATURE			DATE 06/21/2013			EMAIL mcrozier@newfield.com				
API NUMBER ASSIGNED 43013522680000			APPROVAL			 Permit Manager				

NEWFIELD PRODUCTION COMPANY  
GMBU S-20-9-17  
AT SURFACE: NW/SE SECTION 20, T9S R17E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1,145'
Green River	1,145'
Wasatch	5,685'
<b>Proposed TD</b>	5,603'(MD) 5,450' (TVD)

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

Green River Formation (Oil) 1,145' – 5,685'

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

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

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

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

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

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU S-20-9-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	5,603'	15.5	J-55	LTC	4,810 2.70	4,040 2.27	217,000 2.50

Assumptions:

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

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

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

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

b. **Cementing Design: GMBU S-20-9-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	3,603'	Prem Lite II w/ 10% gel + 3% KCl	249	30%	11.0	3.26
			812			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

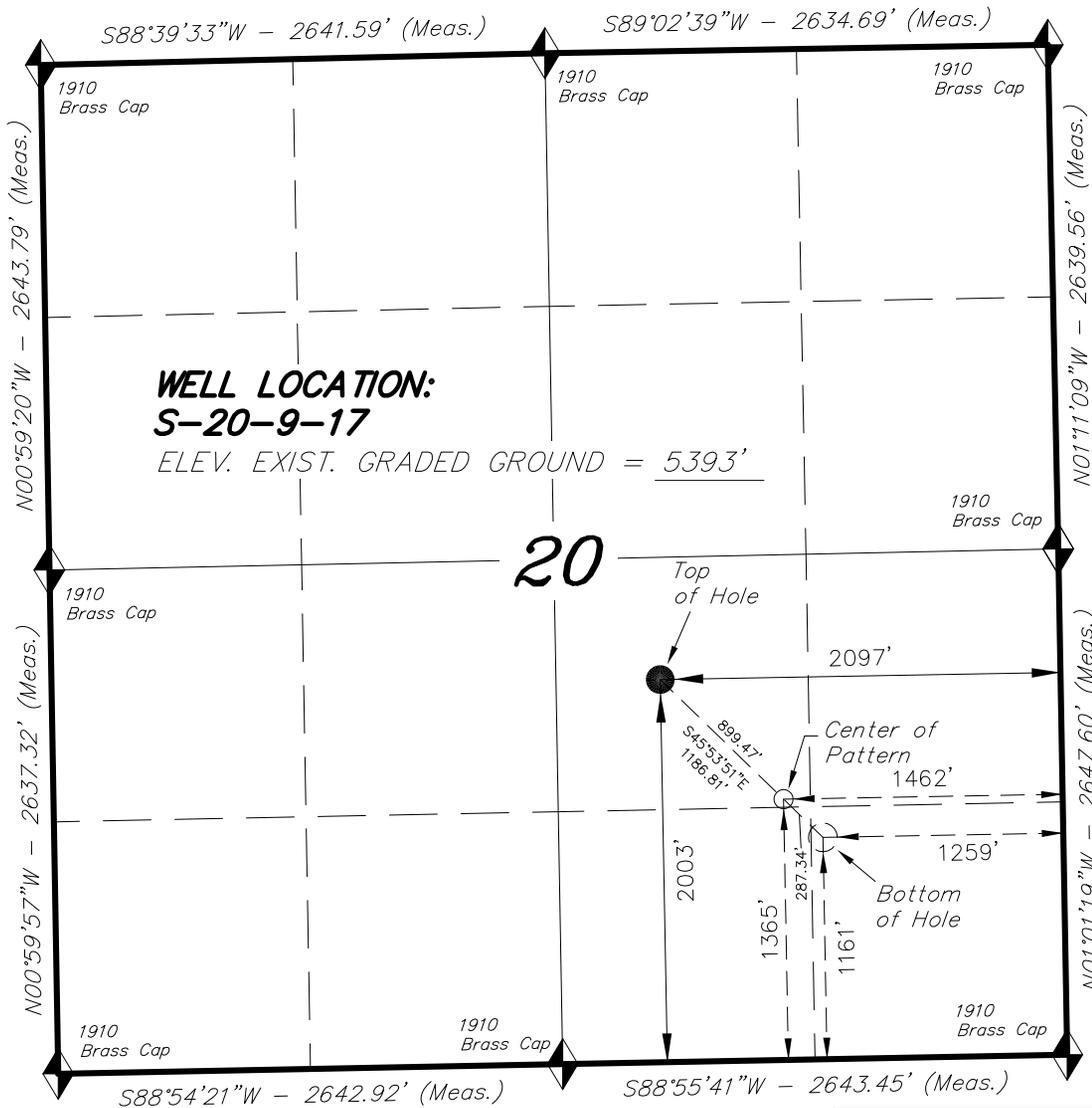
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

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

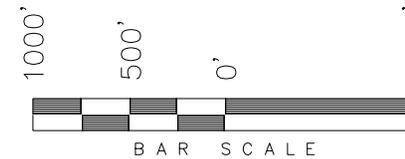
# T9S, R17E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY



WELL LOCATION, S-20-9-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 20, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

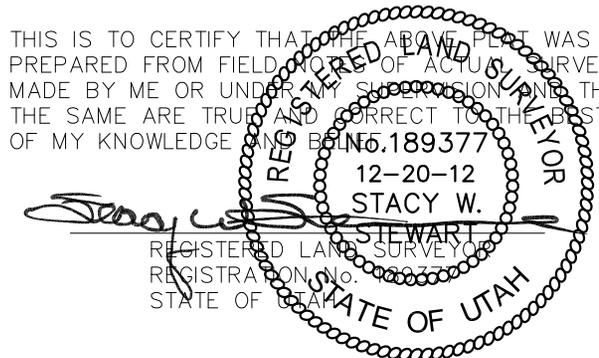
TARGET BOTTOM HOLE, S-20-9-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 20, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

- Well footages are measured at right angles to the Section Lines.
- 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.



◆ = SECTION CORNERS LOCATED

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

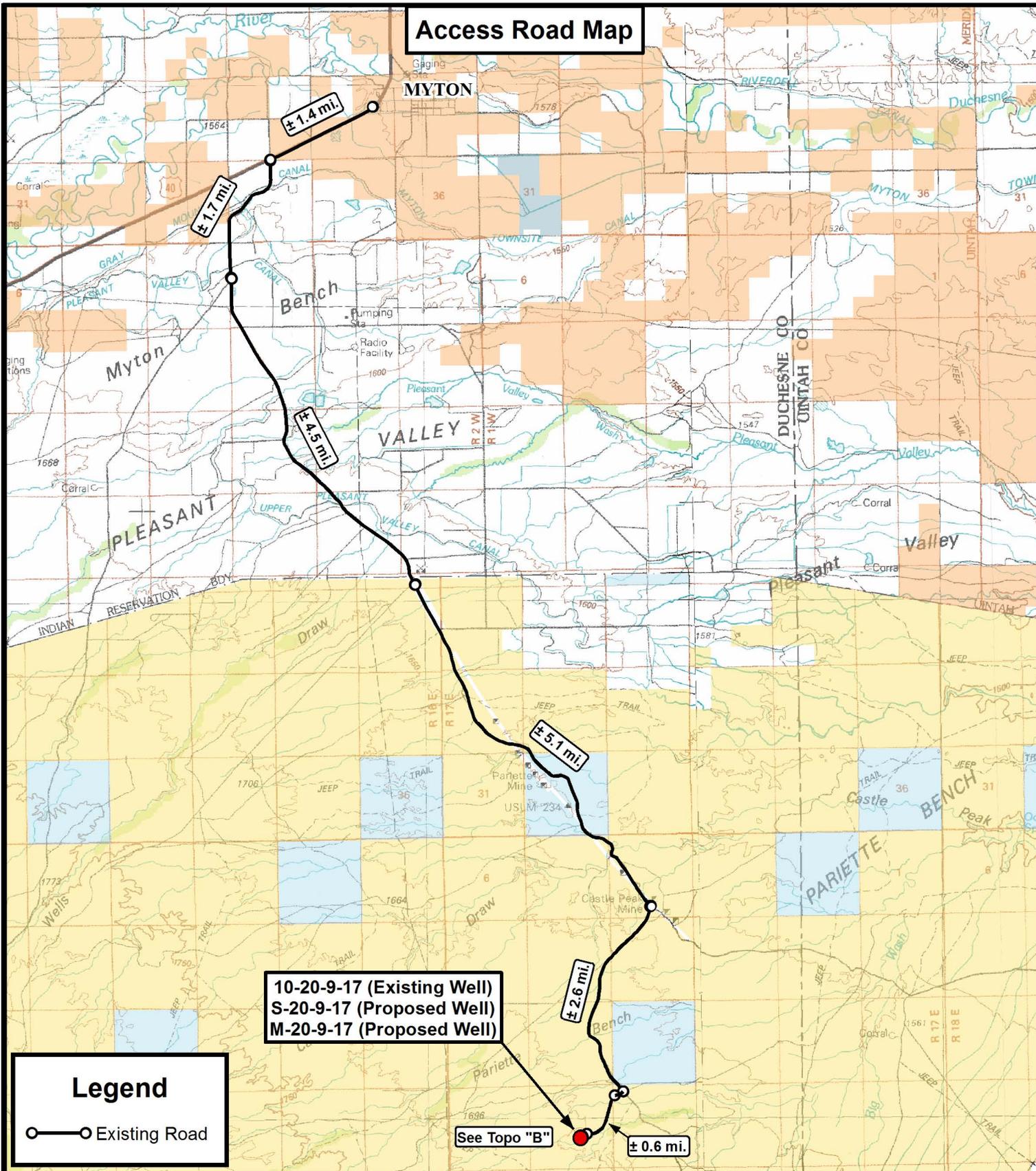
<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE = 40°00'52.85"	
LONGITUDE = 110°01'42.43"	
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE = 40°00'52.98"	
LONGITUDE = 110°01'39.89"	
<b>NAD 83 (CENTER OF PATTERN)</b>	<b>NAD 83 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 40°00'46.56"	LATITUDE = 40°00'44.55"
LONGITUDE = 110°01'34.27"	LONGITUDE = 110°01'31.66"
<b>NAD 27 (CENTER OF PATTERN)</b>	<b>NAD 27 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 40°00'46.69"	LATITUDE = 40°00'44.68"
LONGITUDE = 110°01'31.73"	LONGITUDE = 110°01'29.12"

### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 11-28-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 12-20-12	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

**Access Road Map**



10-20-9-17 (Existing Well)  
 S-20-9-17 (Proposed Well)  
 M-20-9-17 (Proposed Well)

**Legend**

○—○ Existing Road

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

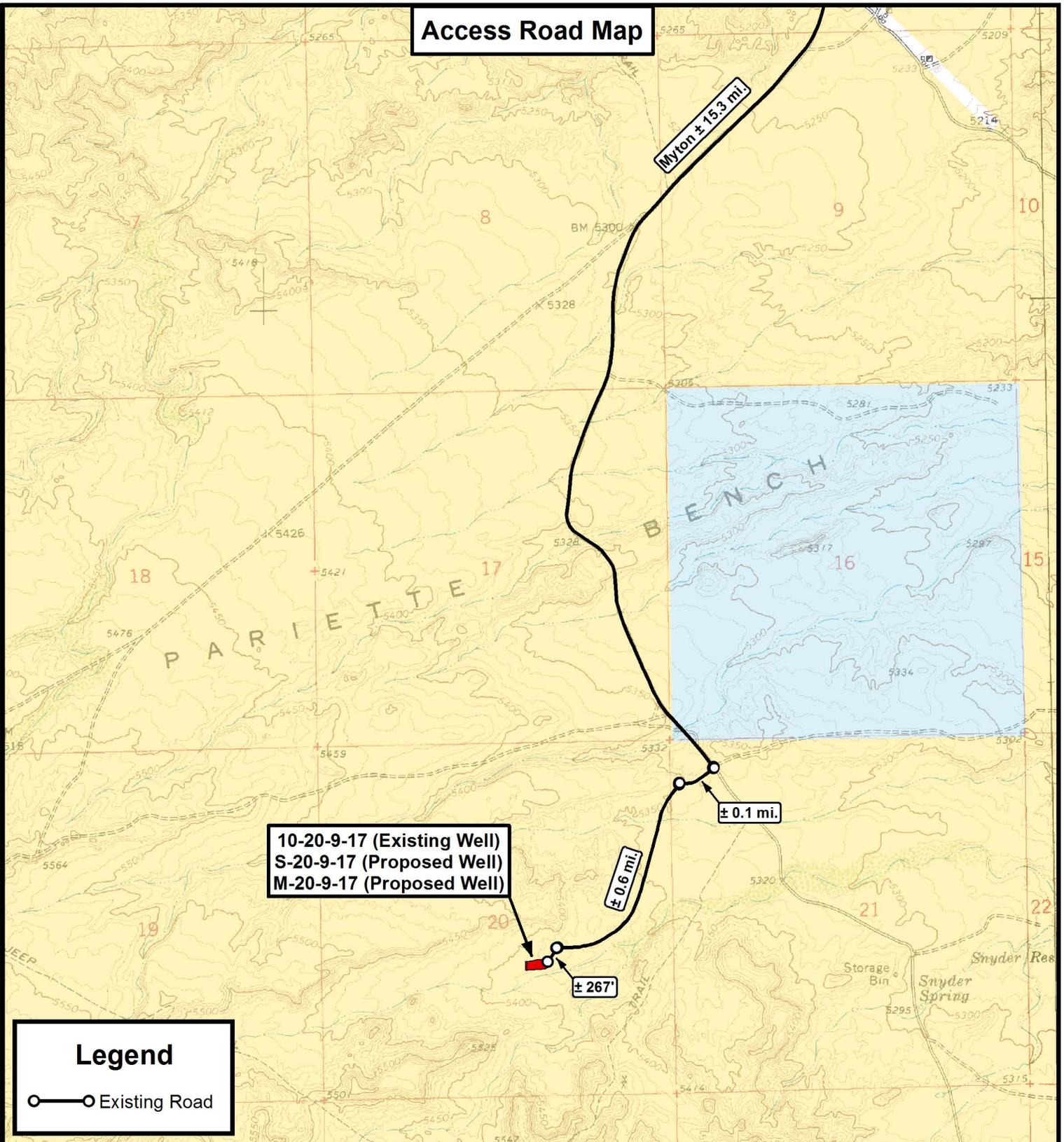
10-20-9-17 (Existing Well)  
 S-20-9-17 (Proposed Well)  
 M-20-9-17 (Proposed Well)  
 SEC. 20, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-24-2012		<b>V1</b>
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



**10-20-9-17 (Existing Well)  
S-20-9-17 (Proposed Well)  
M-20-9-17 (Proposed Well)**

**Legend**

○—○ Existing Road

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



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DATE:	12-24-2012		<b>V1</b>
SCALE:	1" = 2,000'		



**NEWFIELD EXPLORATION COMPANY**

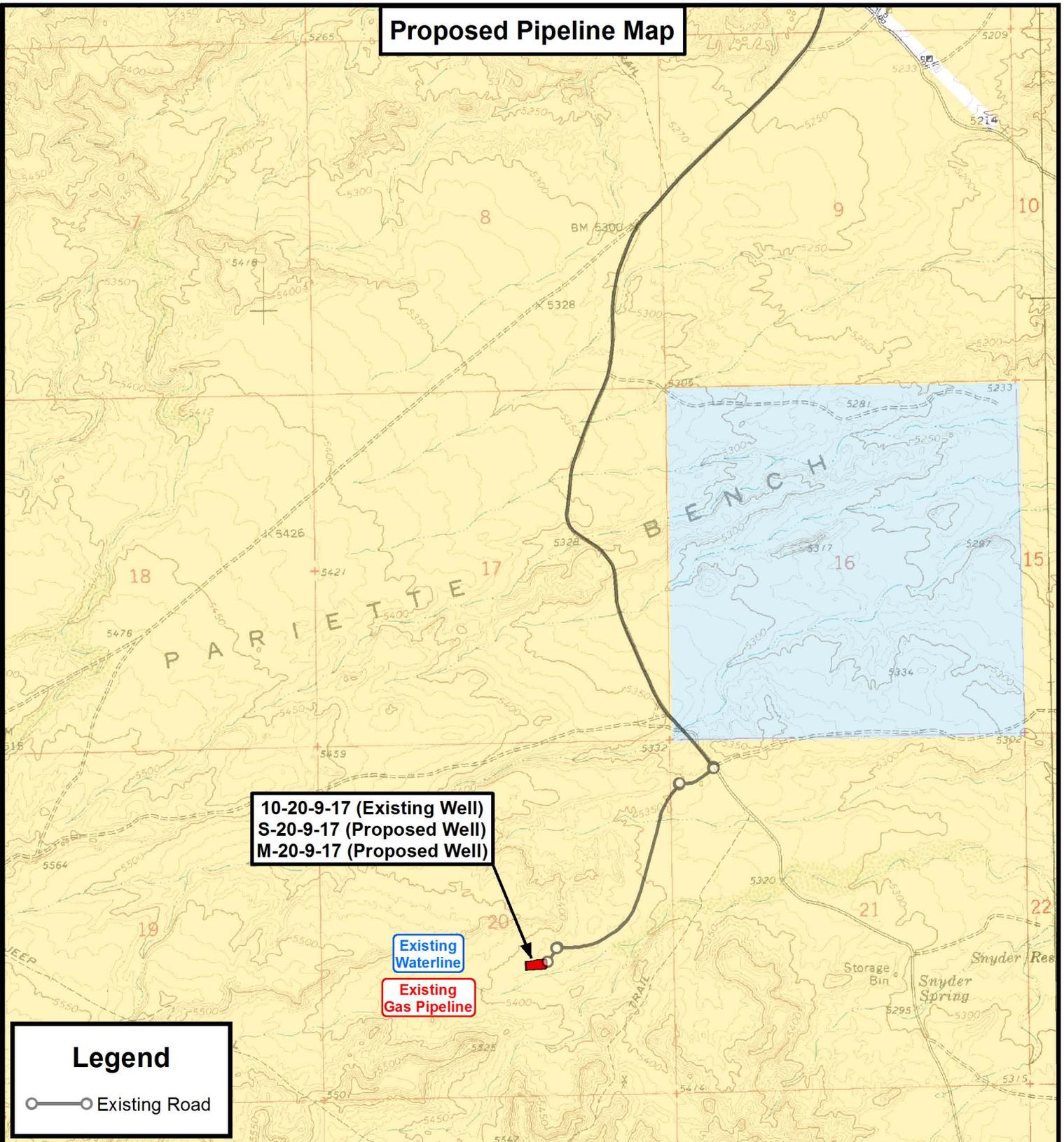
10-20-9-17 (Existing Well)  
S-20-9-17 (Proposed Well)  
M-20-9-17 (Proposed Well)

SEC. 20, T9S, R17E, S.L.B.&M. Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **B**

**Proposed Pipeline Map**



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**NEWFIELD EXPLORATION COMPANY**

10-20-9-17 (Existing Well)  
S-20-9-17 (Proposed Well)  
M-20-9-17 (Proposed Well)  
SEC. 20, T9S, R17E, S.L.B.&M. Duchesne County, UT.

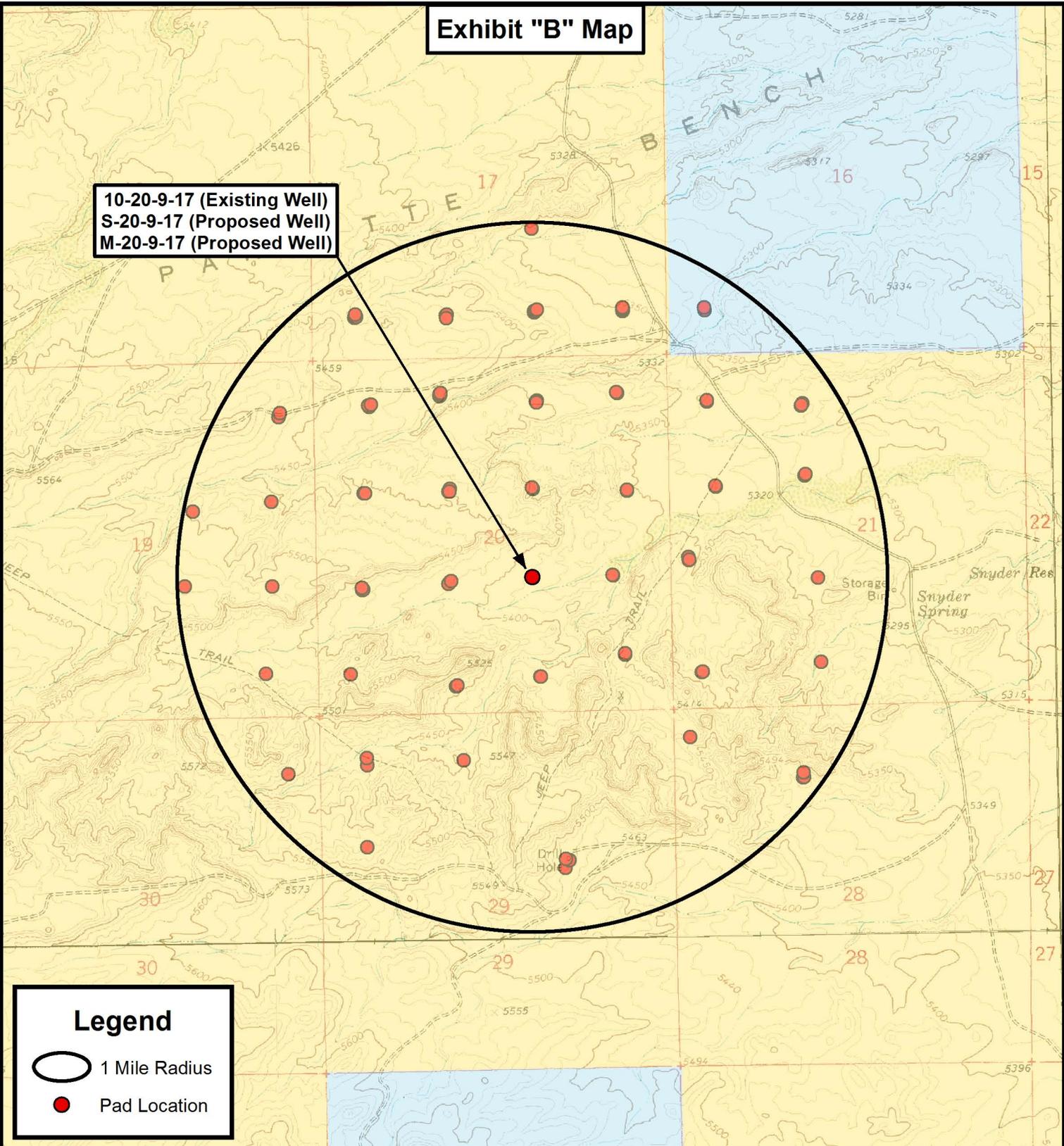
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-24-2012		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Exhibit "B" Map**

10-20-9-17 (Existing Well)  
 S-20-9-17 (Proposed Well)  
 M-20-9-17 (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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DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-24-2012		<b>V1</b>
SCALE:	1" = 2,000'		

**NEWFIELD EXPLORATION COMPANY**

10-20-9-17 (Existing Well)  
 S-20-9-17 (Proposed Well)  
 M-20-9-17 (Proposed Well)

SEC. 20, T9S, R17E, S.L.B.&M. Duchesne County, UT.

<b>TOPOGRAPHIC MAP</b>	SHEET <b>D</b>
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## Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
10-20-9-17	Surface Hole	40° 00' 53.01" N	110° 01' 42.25" W
S-20-9-17	Surface Hole	40° 00' 52.85" N	110° 01' 42.43" W
M-20-9-17	Surface Hole	40° 00' 52.69" N	110° 01' 42.61" W
S-20-9-17	Center of Pattern	40° 00' 46.56" N	110° 01' 34.27" W
M-20-9-17	Center of Pattern	40° 00' 59.44" N	110° 01' 50.59" W
S-20-9-17	Bottom of Hole	40° 00' 44.55" N	110° 01' 31.66" W
M-20-9-17	Bottom of Hole	40° 01' 01.70" N	110° 01' 53.25" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
10-20-9-17	Surface Hole	40.014724	110.028404
S-20-9-17	Surface Hole	40.014680	110.028453
M-20-9-17	Surface Hole	40.014636	110.028503
S-20-9-17	Center of Pattern	40.012933	110.026185
M-20-9-17	Center of Pattern	40.016512	110.030718
S-20-9-17	Bottom of Hole	40.012375	110.025460
M-20-9-17	Bottom of Hole	40.017140	110.031459
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
10-20-9-17	Surface Hole	4429843.550	582918.052
S-20-9-17	Surface Hole	4429838.620	582913.875
M-20-9-17	Surface Hole	4429833.690	582909.697
S-20-9-17	Center of Pattern	4429646.841	583109.574
M-20-9-17	Center of Pattern	4430039.864	582718.360
S-20-9-17	Bottom of Hole	4429585.577	583172.091
M-20-9-17	Bottom of Hole	4430108.823	582654.363
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
10-20-9-17	Surface Hole	40° 00' 53.14" N	110° 01' 39.71" W
S-20-9-17	Surface Hole	40° 00' 52.98" N	110° 01' 39.89" W
M-20-9-17	Surface Hole	40° 00' 52.82" N	110° 01' 40.07" W
S-20-9-17	Center of Pattern	40° 00' 46.69" N	110° 01' 31.73" W
M-20-9-17	Center of Pattern	40° 00' 59.58" N	110° 01' 48.05" W
S-20-9-17	Bottom of Hole	40° 00' 44.68" N	110° 01' 29.12" W
M-20-9-17	Bottom of Hole	40° 01' 01.84" N	110° 01' 50.71" W



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### NEWFIELD EXPLORATION COMPANY

10-20-9-17 (Existing Well)  
S-20-9-17 (Proposed Well)  
M-20-9-17 (Proposed Well)  
SEC. 20, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.  
DATE: 12-24-2012  
VERSION: V1

REVISED:

**COORDINATE REPORT**

SHEET

1

RECEIVED: June 21, 2013





# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 20 T9S, R17E  
S-20-9-17**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**30 November, 2012**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well S-20-9-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Site:</b>	SECTION 20 T9S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	S-20-9-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 20 T9S, R17E				
<b>Site Position:</b>		<b>Northing:</b>	7,180,191.45 ft	<b>Latitude:</b>	40° 1' 20.050 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,051,179.55 ft	<b>Longitude:</b>	110° 1' 59.380 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.94 °

<b>Well</b>	S-20-9-17, SHL LAT: 40 00 52.85 LONG: -110 01 42.43					
<b>Well Position</b>	<b>+N/-S</b>	-2,752.2 ft	<b>Northing:</b>	7,177,461.34 ft	<b>Latitude:</b>	40° 0' 52.850 N
	<b>+E/-W</b>	1,318.5 ft	<b>Easting:</b>	2,052,543.19 ft	<b>Longitude:</b>	110° 1' 42.430 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,405.0 ft	<b>Ground Level:</b>	5,393.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	11/30/2012	11.11	65.74	52,115

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	134.10

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,620.3	15.31	134.10	1,608.2	-94.3	97.3	1.50	1.50	13.14	134.10	
4,514.7	15.31	134.10	4,400.0	-626.0	645.9	0.00	0.00	0.00	0.00	S-20-9-17 TGT
5,603.4	15.31	134.10	5,450.0	-825.9	852.3	0.00	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well S-20-9-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Site:</b>	SECTION 20 T9S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	S-20-9-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	134.10	700.0	-0.9	0.9	1.3	1.50	1.50	0.00
800.0	3.00	134.10	799.9	-3.6	3.8	5.2	1.50	1.50	0.00
900.0	4.50	134.10	899.7	-8.2	8.5	11.8	1.50	1.50	0.00
1,000.0	6.00	134.10	999.3	-14.6	15.0	20.9	1.50	1.50	0.00
1,100.0	7.50	134.10	1,098.6	-22.7	23.5	32.7	1.50	1.50	0.00
1,200.0	9.00	134.10	1,197.5	-32.7	33.8	47.0	1.50	1.50	0.00
1,300.0	10.50	134.10	1,296.1	-44.5	45.9	64.0	1.50	1.50	0.00
1,400.0	12.00	134.10	1,394.2	-58.1	59.9	83.5	1.50	1.50	0.00
1,500.0	13.50	134.10	1,491.7	-73.4	75.8	105.5	1.50	1.50	0.00
1,600.0	15.00	134.10	1,588.6	-90.6	93.5	130.2	1.50	1.50	0.00
1,620.3	15.31	134.10	1,608.2	-94.3	97.3	135.5	1.50	1.50	0.00
1,700.0	15.31	134.10	1,685.1	-108.9	112.4	156.5	0.00	0.00	0.00
1,800.0	15.31	134.10	1,781.5	-127.3	131.3	182.9	0.00	0.00	0.00
1,900.0	15.31	134.10	1,878.0	-145.6	150.3	209.3	0.00	0.00	0.00
2,000.0	15.31	134.10	1,974.4	-164.0	169.3	235.7	0.00	0.00	0.00
2,100.0	15.31	134.10	2,070.9	-182.4	188.2	262.1	0.00	0.00	0.00
2,200.0	15.31	134.10	2,167.4	-200.8	207.2	288.5	0.00	0.00	0.00
2,300.0	15.31	134.10	2,263.8	-219.1	226.1	314.9	0.00	0.00	0.00
2,400.0	15.31	134.10	2,360.3	-237.5	245.1	341.3	0.00	0.00	0.00
2,500.0	15.31	134.10	2,456.7	-255.9	264.0	367.7	0.00	0.00	0.00
2,600.0	15.31	134.10	2,553.2	-274.2	283.0	394.1	0.00	0.00	0.00
2,700.0	15.31	134.10	2,649.6	-292.6	301.9	420.5	0.00	0.00	0.00
2,800.0	15.31	134.10	2,746.1	-311.0	320.9	446.9	0.00	0.00	0.00
2,900.0	15.31	134.10	2,842.5	-329.3	339.9	473.2	0.00	0.00	0.00
3,000.0	15.31	134.10	2,939.0	-347.7	358.8	499.6	0.00	0.00	0.00
3,100.0	15.31	134.10	3,035.4	-366.1	377.8	526.0	0.00	0.00	0.00
3,200.0	15.31	134.10	3,131.9	-384.4	396.7	552.4	0.00	0.00	0.00
3,300.0	15.31	134.10	3,228.3	-402.8	415.7	578.8	0.00	0.00	0.00
3,400.0	15.31	134.10	3,324.8	-421.2	434.6	605.2	0.00	0.00	0.00
3,500.0	15.31	134.10	3,421.2	-439.6	453.6	631.6	0.00	0.00	0.00
3,600.0	15.31	134.10	3,517.7	-457.9	472.5	658.0	0.00	0.00	0.00
3,700.0	15.31	134.10	3,614.2	-476.3	491.5	684.4	0.00	0.00	0.00
3,800.0	15.31	134.10	3,710.6	-494.7	510.4	710.8	0.00	0.00	0.00
3,900.0	15.31	134.10	3,807.1	-513.0	529.4	737.2	0.00	0.00	0.00
4,000.0	15.31	134.10	3,903.5	-531.4	548.4	763.6	0.00	0.00	0.00
4,100.0	15.31	134.10	4,000.0	-549.8	567.3	790.0	0.00	0.00	0.00
4,200.0	15.31	134.10	4,096.4	-568.1	586.3	816.4	0.00	0.00	0.00
4,300.0	15.31	134.10	4,192.9	-586.5	605.2	842.8	0.00	0.00	0.00
4,400.0	15.31	134.10	4,289.3	-604.9	624.2	869.2	0.00	0.00	0.00
4,500.0	15.31	134.10	4,385.8	-623.2	643.1	895.6	0.00	0.00	0.00
4,514.7	15.31	134.10	4,400.0	-626.0	645.9	899.5	0.00	0.00	0.00
4,600.0	15.31	134.10	4,482.2	-641.6	662.1	922.0	0.00	0.00	0.00
4,700.0	15.31	134.10	4,578.7	-660.0	681.0	948.4	0.00	0.00	0.00
4,800.0	15.31	134.10	4,675.1	-678.4	700.0	974.8	0.00	0.00	0.00
4,900.0	15.31	134.10	4,771.6	-696.7	719.0	1,001.2	0.00	0.00	0.00
5,000.0	15.31	134.10	4,868.0	-715.1	737.9	1,027.6	0.00	0.00	0.00
5,100.0	15.31	134.10	4,964.5	-733.5	756.9	1,054.0	0.00	0.00	0.00



## Payzone Directional Planning Report

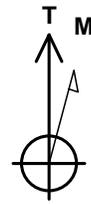


<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well S-20-9-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	S-20-9-17 @ 5405.0ft (Original Well Elev)
<b>Site:</b>	SECTION 20 T9S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	S-20-9-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,200.0	15.31	134.10	5,061.0	-751.8	775.8	1,080.3	0.00	0.00	0.00	
5,300.0	15.31	134.10	5,157.4	-770.2	794.8	1,106.7	0.00	0.00	0.00	
5,400.0	15.31	134.10	5,253.9	-788.6	813.7	1,133.1	0.00	0.00	0.00	
5,500.0	15.31	134.10	5,350.3	-806.9	832.7	1,159.5	0.00	0.00	0.00	
5,603.4	15.31	134.10	5,450.0	-825.9	852.3	1,186.8	0.00	0.00	0.00	

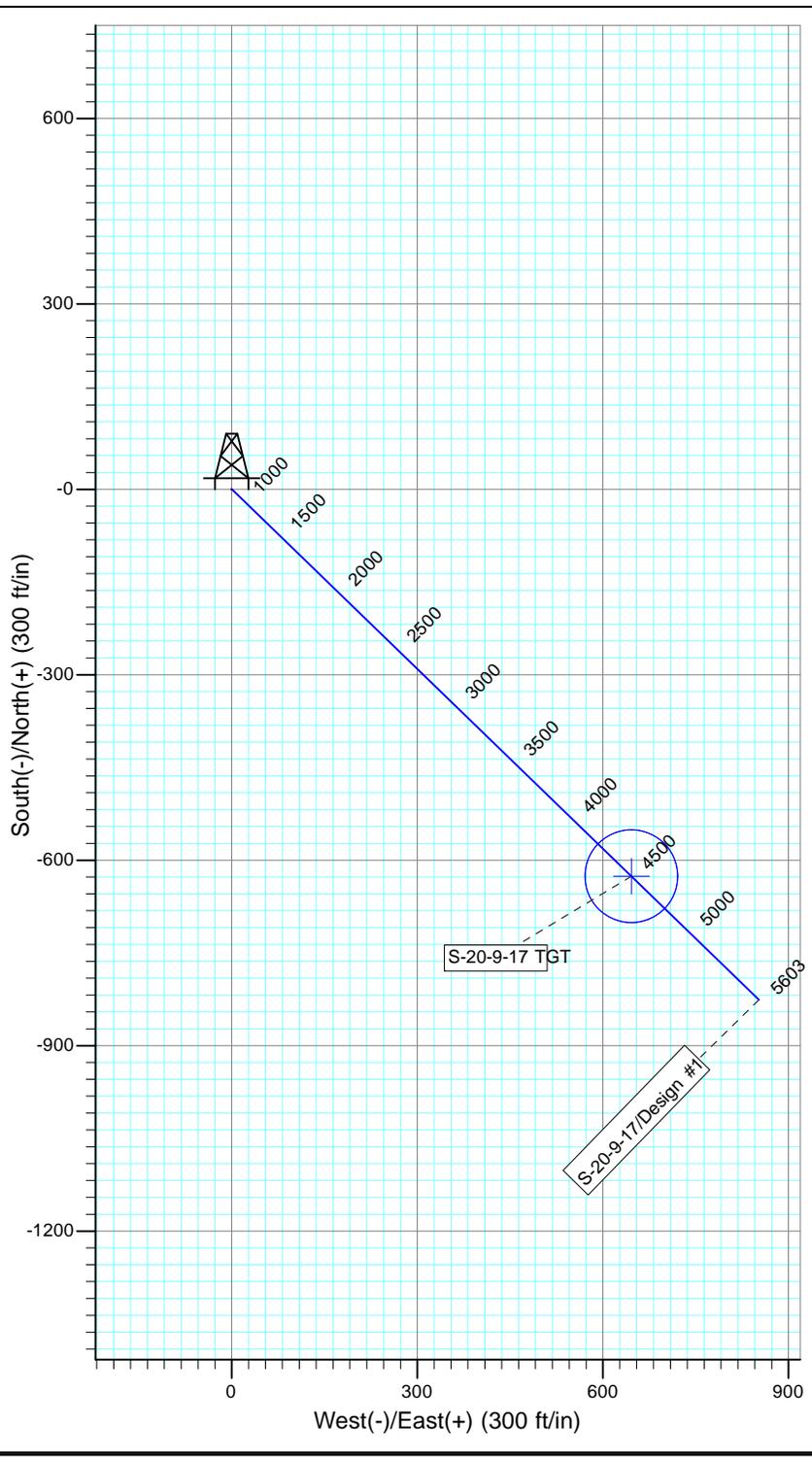
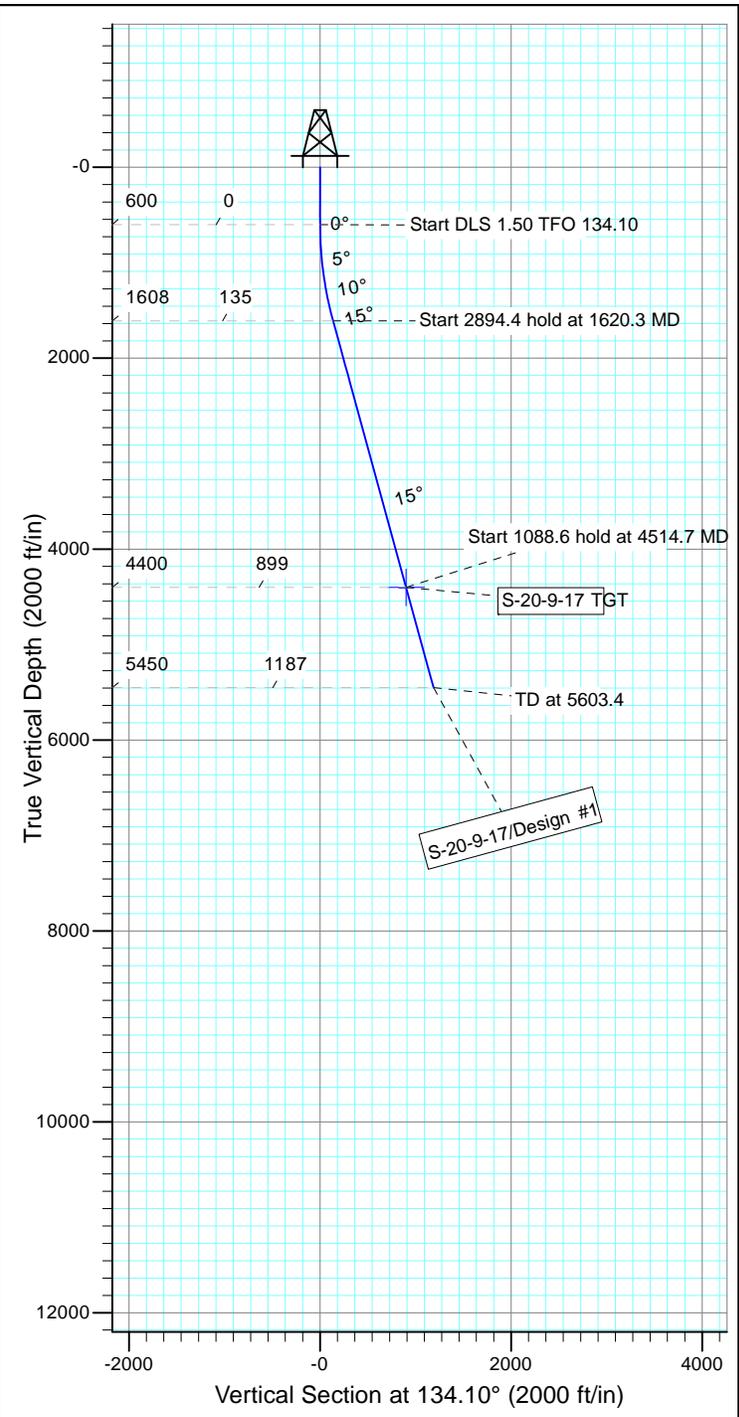


Project: USGS Myton SW (UT)  
 Site: SECTION 20 T9S, R17E  
 Well: S-20-9-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.11°

Magnetic Field  
 Strength: 52115.3snT  
 Dip Angle: 65.74°  
 Date: 11/30/2012  
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
S-20-9-17 TGT	4400.0	-626.0	645.9	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	1620.3	15.31	134.10	1608.2	-94.3	97.3	1.50	134.10	135.5	
4	4514.7	15.31	134.10	4400.0	-626.0	645.9	0.00	0.00	899.5	S-20-9-17 TGT
5	5603.4	15.31	134.10	5450.0	-825.9	852.3	0.00	0.00	1186.8	



**NEWFIELD PRODUCTION COMPANY  
GMBU S-20-9-17  
AT SURFACE: NW/SE SECTION 20, T9S R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU S-20-9-17 located in the NW 1/4 SE 1/4 Section 20, T9S R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 11.3 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 3.3 miles  $\pm$  to the existing 10-20-9-17 well location.

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

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

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 10-20-9-17 well pad. See attached **Topographic Map "B"**.

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

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

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

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

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

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

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

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-066 4/26/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, SWCA Environmental Consultants, Report No. UT13-14273-31, May 2013. See attached report cover pages, Exhibit "D".

**Water Disposal**

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

**Additional Surface Stipulations**

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

**Details of the On-Site Inspection**

An on-site for the proposed GMBU S-20-9-17 will need to be scheduled with Sheri Wysong (Bureau of Land Management).

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU S-20-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU S-20-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Certification

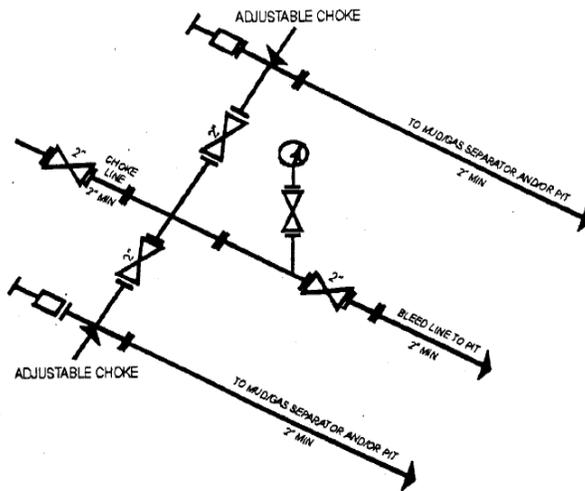
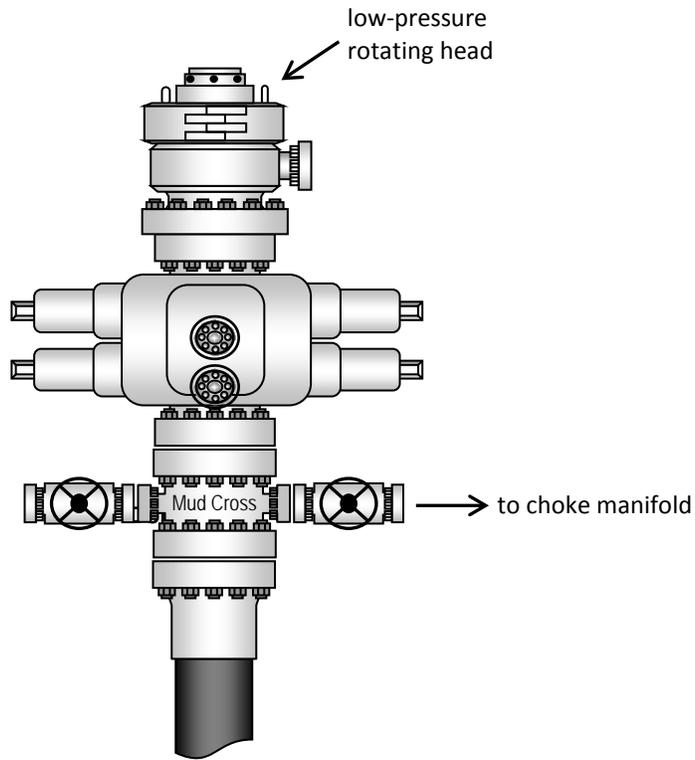
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-20-9-17, Section 20, Township 9S, Range 17E: Lease UTU-77369 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

6/20/13  
Date

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

### Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

- 10-20-9-17 (Existing Well)
- S-20-9-17 (Proposed Well)
- M-20-9-17 (Proposed Well)

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.

### TOP HOLE FOOTAGES

S-20-9-17  
2003' FSL & 2097' FEL  
M-20-9-17  
1987' FSL & 2111' FEL

### CENTER OF PATTERN FOOTAGES

S-20-9-17  
1365' FSL & 1462' FEL  
M-20-9-17  
2672' FSL & 2555' FWL

### BOTTOM HOLE FOOTAGES

S-20-9-17  
1161' FSL & 1259' FEL  
M-20-9-17  
2390' FNL & 2348' FWL

Existing Road

Existing Access



N43°10'49"W - 923.36'  
(To Center of Pattern)  
N43°10'49"W - 1232.19'  
(To Bottom of Hole)

Proposed Pit

Pump Jack

Boiler

Existing Tanks

10-20-9-17 (EXISTING)  
S-20-9-17 (PROPOSED)

Existing Anchor (Typ.)

M-20-9-17 (PROPOSED)

S84°57'39"W

Edge of Existing Pad

S45°53'51"E - 899.47'  
(To Center of Pattern)  
S45°53'51"E - 1186.81'  
(To Bottom of Hole)

Existing Stockpile

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

WELL	NORTH	EAST
S-20-9-17	-626'	646'
M-20-9-17	673'	-632'

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

WELL	LATITUDE	LONGITUDE
10-20-9-17	40° 00' 53.01"	110° 01' 42.25"
S-20-9-17	40° 00' 52.85"	110° 01' 42.43"
M-20-9-17	40° 00' 52.69"	110° 01' 42.61"

### LATITUDE & LONGITUDE Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
S-20-9-17	40° 00' 46.56"	110° 01' 34.27"
M-20-9-17	40° 00' 59.44"	110° 01' 50.59"

### LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
S-20-9-17	40° 00' 44.55"	110° 01' 31.66"
M-20-9-17	40° 01' 01.70"	110° 01' 53.25"

### Note:

Bearings are based on GPS Observations.

### RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
S-20-9-17	-826'	852'
M-20-9-17	899'	-843'

SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 12-20-12	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

10-20-9-17 (Existing Well)

S-20-9-17 (Proposed Well)

M-20-9-17 (Proposed Well)

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.

### TOPSOIL STOCKPILE

Approx. Dims. = 30x35'x4' Max  
 Approx. Area = 948 Sq. Ft.  
 ±60 Cu. Yds.

### EXCESS MATERIAL

Approx. Dims. = 110'x30'x10'  
 Approx. Area = 2,954 Sq. Ft.  
 ±310 Cu. Yds.

STA. 3+25

Proposed Expansion Area Required (0.06 Acres)

STA. 2+40

STA. 1+79

STA. 0+20

STA. 0+00

**NOTE:**

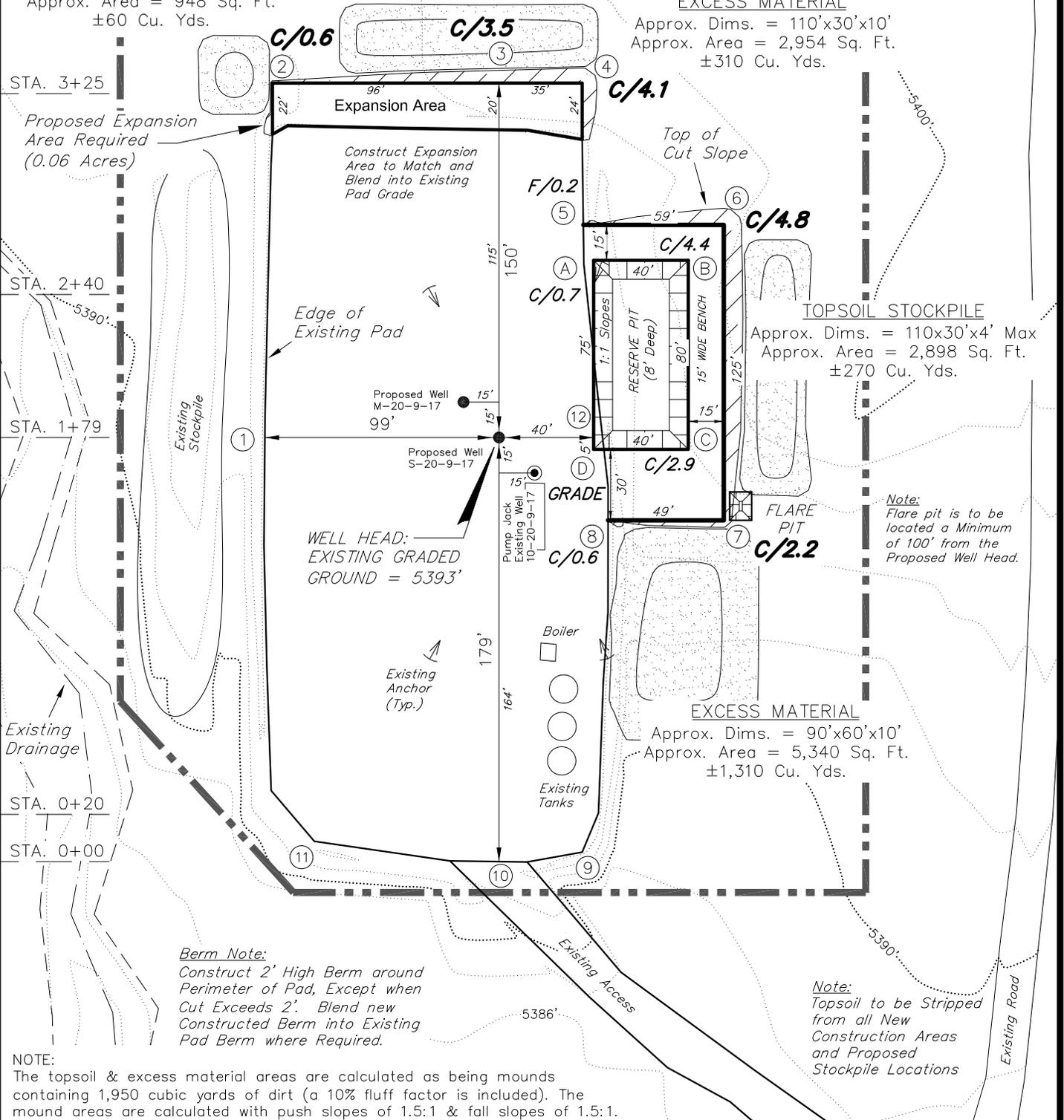
The topsoil & excess material areas are calculated as being mounds containing 1,950 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

**Berm Note:**

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

**Note:**

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



SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-12	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

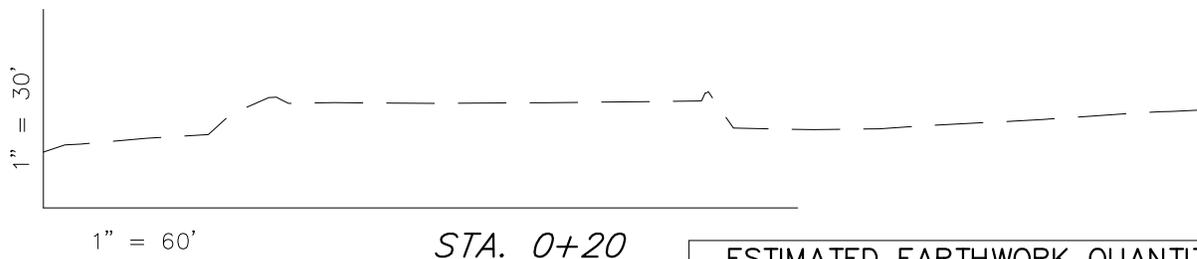
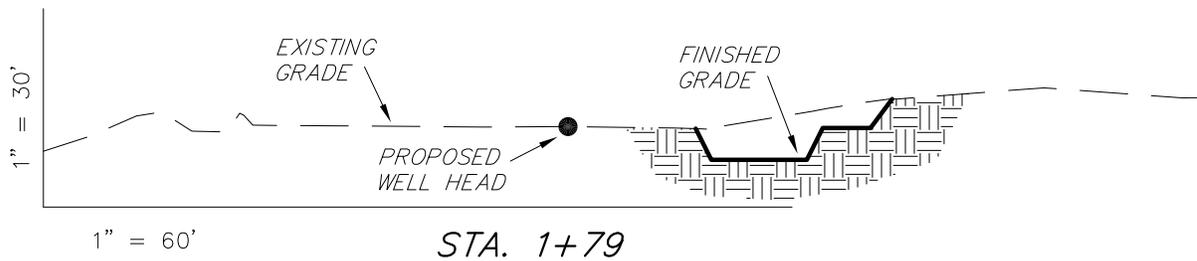
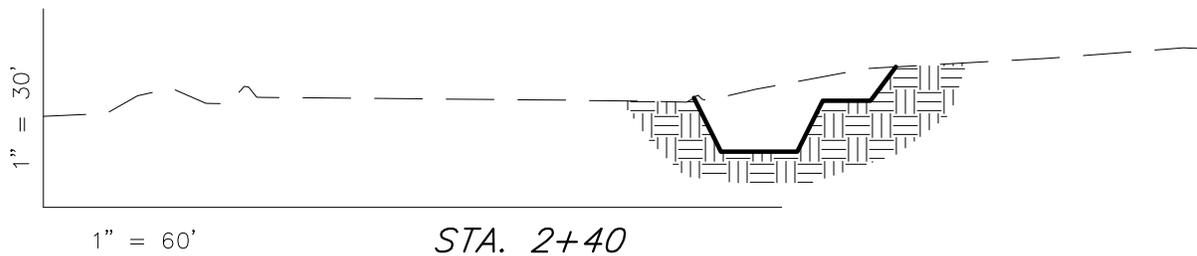
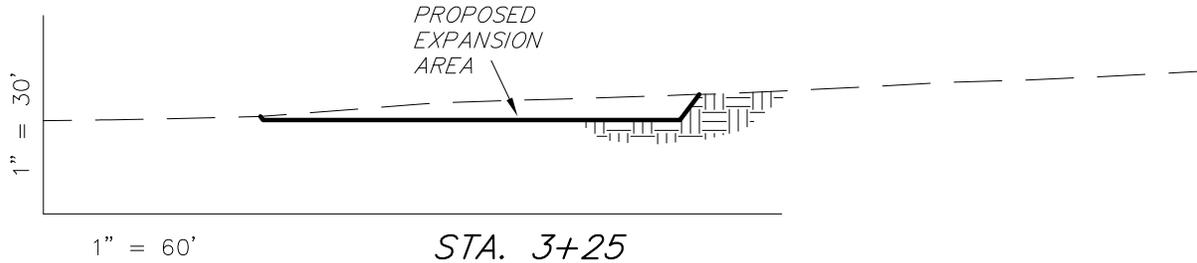
## CROSS SECTIONS

10-20-9-17 (Existing Well)

S-20-9-17 (Proposed Well)

M-20-9-17 (Proposed Well)

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	780	10	Topsoil is not included in Pad Cut	770
PIT	690	0		690
<b>TOTALS</b>	<b>1,470</b>	<b>10</b>	<b>300</b>	<b>1,460</b>

SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-12	V1
SCALE: 1" = 60'	REVISED:	

Tri State

Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD EXPLORATION COMPANY

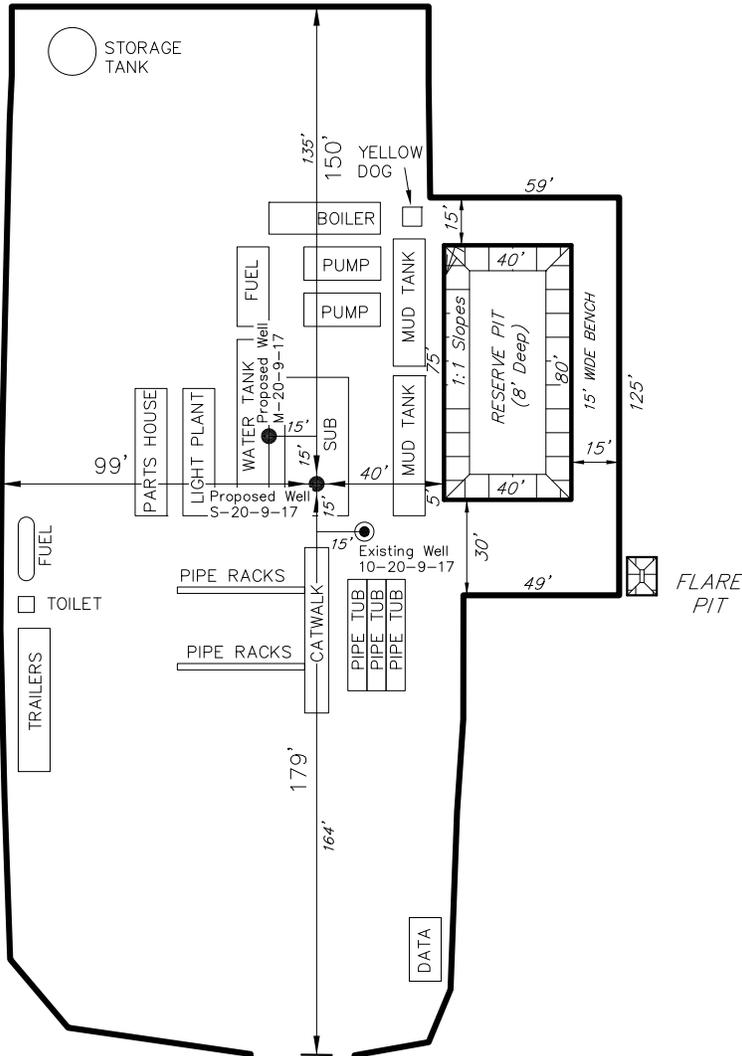
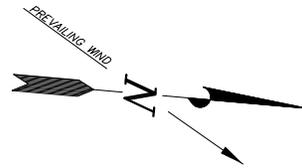
## TYPICAL RIG LAYOUT

10-20-9-17 (Existing Well)

S-20-9-17 (Proposed Well)

M-20-9-17 (Proposed Well)

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.



Existing Road

Existing Access

SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-12	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

## RECLAMATION LAYOUT

10-20-9-17 (Existing Well)

S-20-9-17 (Proposed Well)

M-20-9-17 (Proposed Well)

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.



**Notes:**

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

**DISTURBED AREA:**

TOTAL DISTURBED AREA = 2.71 ACRES  
 TOTAL RECLAIMED AREA = 2.07 ACRES  
 UNRECLAIMED AREA = 0.64 ACRES

SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-12	V1
SCALE: 1" = 60'	REVISED:	

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

# NEWFIELD EXPLORATION COMPANY

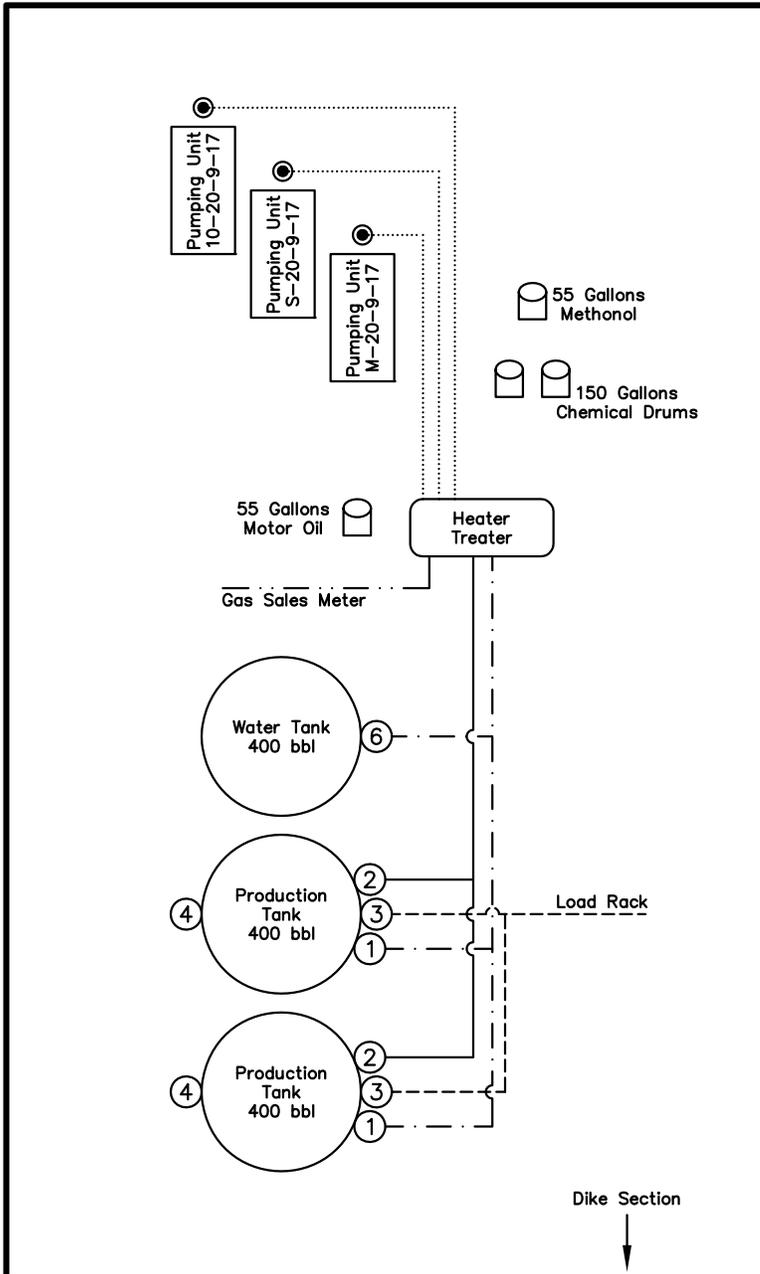
## PROPOSED SITE FACILITY DIAGRAM

10-20-9-17 (Existing Well) UTU-77369

S-20-9-17 (Proposed Well) UTU-77369

M-20-9-17 (Proposed Well) UTU-77369

Pad Location: NWSE Section 20, T9S, R17E, S.L.B.&M.  
Duchesne County, Utah



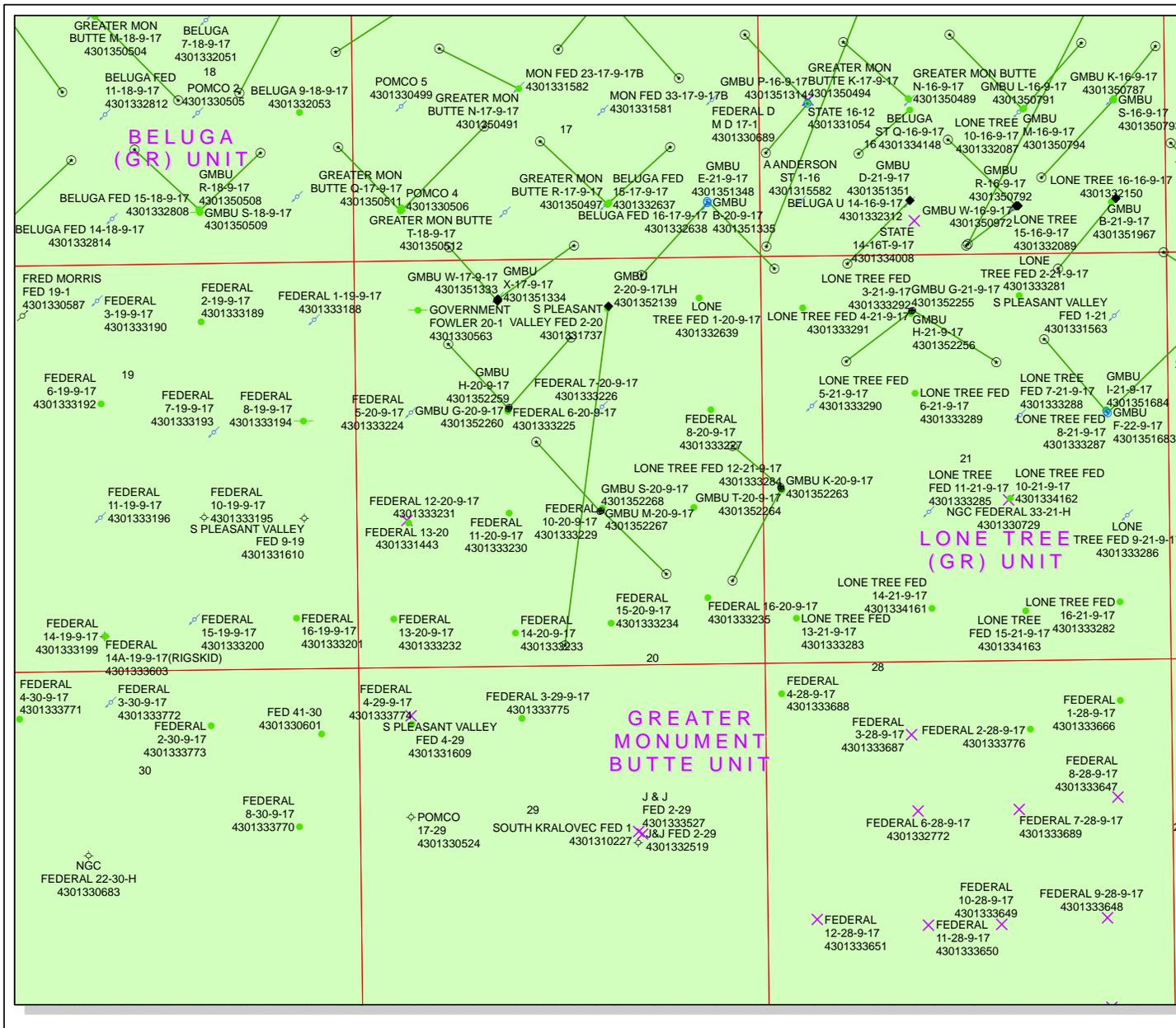
### Legend

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

NOT TO SCALE

SURVEYED BY: W.H.	DATE SURVEYED: 11-28-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 12-20-12	V1
SCALE: NONE	REVISED:	

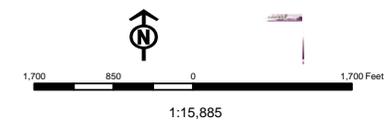
*Tri State* (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**API Number: 4301352268**  
**Well Name: GMBU S-20-9-17**  
**Township T09.0S Range R17.0E Section 20**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- Units STATUS**
- ACTIVE
  - EXPLORATORY
  - GAS STORAGE
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PI OIL
  - PP GAS
  - PP GEOTHERMAL
  - PP OIL
  - SECONDARY
  - TERMINATED



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3160  
(UT-922)

July 1, 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)		
43-013-52265	GMBU R-22-9-17	Sec 22 T09S R17E 1994 FSL 1975 FEL
	BHL	Sec 22 T09S R17E 1153 FSL 2229 FWL
43-013-52266	GMBU S-22-9-17	Sec 22 T09S R17E 2012 FSL 1964 FEL
	BHL	Sec 22 T09S R17E 1103 FSL 1118 FEL
43-013-52267	GMBU M-20-9-17	Sec 20 T09S R17E 1987 FSL 2111 FEL
	BHL	Sec 20 T09S R17E 2390 FNL 2348 FWL
43-013-52268	GMBU S-20-9-17	Sec 20 T09S R17E 2003 FSL 2097 FEL
	BHL	Sec 20 T09S R17E 1161 FSL 1259 FEL
43-013-52269	GMBU 126-30-8-17	Sec 30 T08S R17E 0634 FSL 2008 FEL
	BHL	Sec 30 T08S R17E 1362 FSL 1861 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: 2013.07.01 11:05:16 -06'00'

RECEIVED: July 01, 2013

API Well Number: 43013522680000

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

MCoulthard:mc:7-1-13

RECEIVED: July 01, 2013

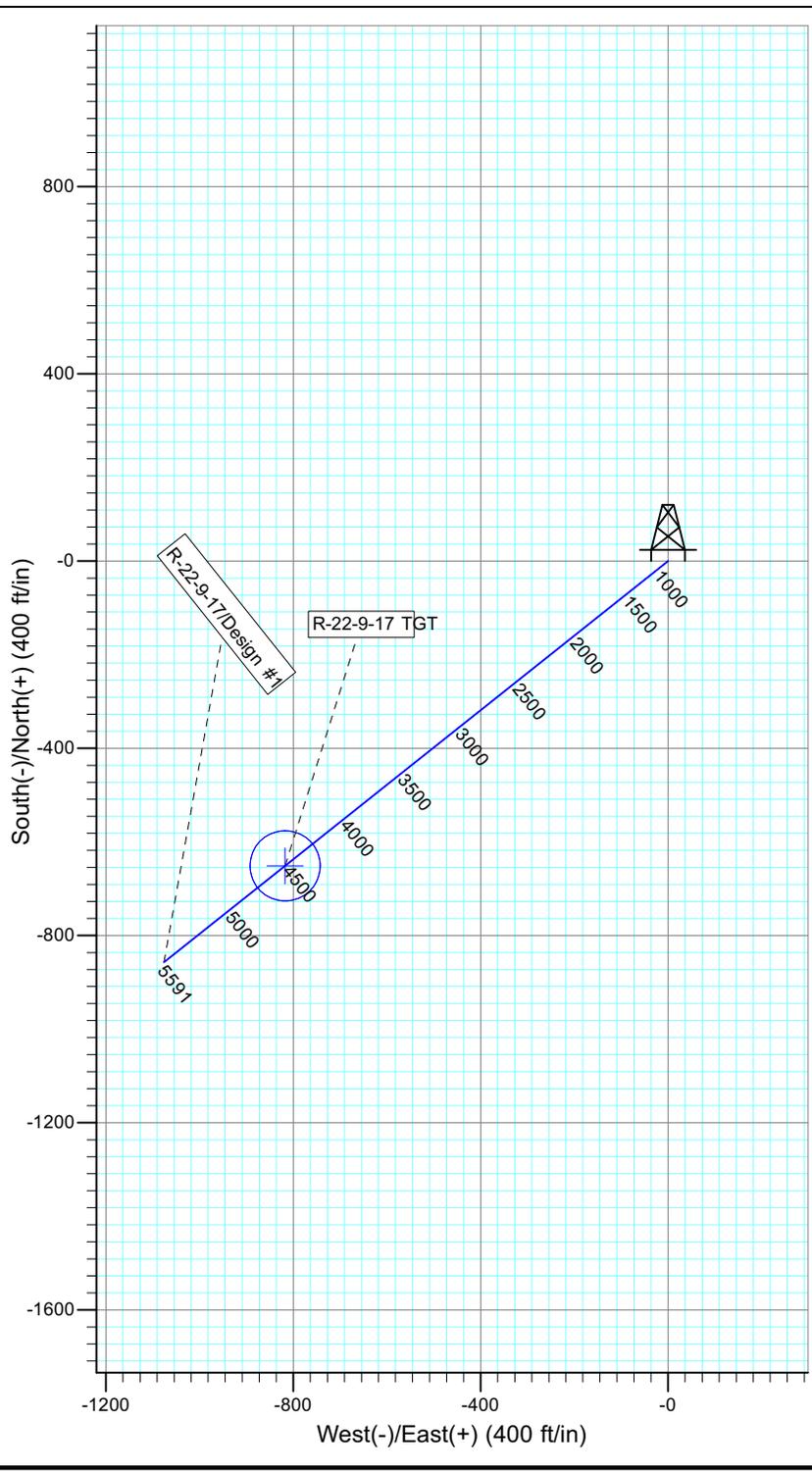
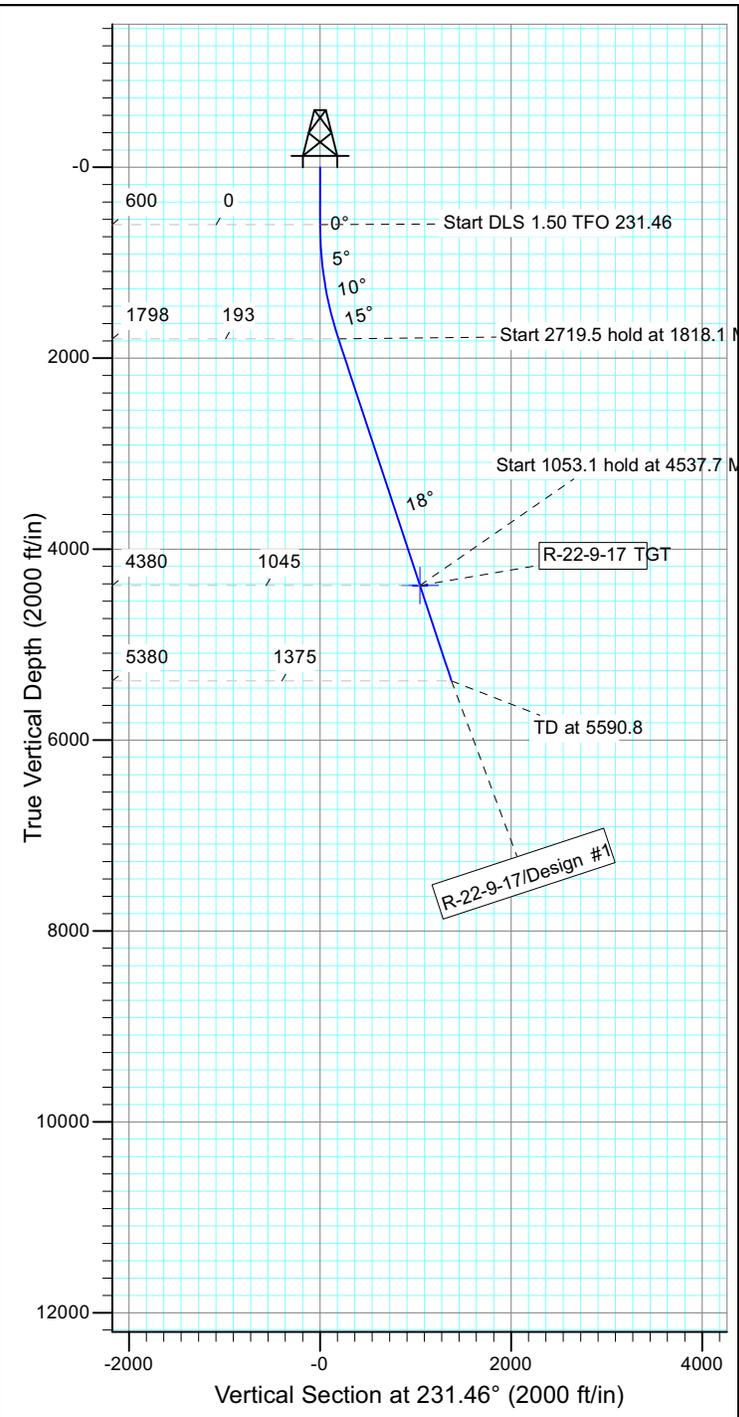


Project: USGS Myton SW (UT)  
 Site: SECTION 22 T9S R17E  
 Well: R-22-9-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.10°

Magnetic Field  
 Strength: 52124.4snT  
 Dip Angle: 65.75°  
 Date: 11/20/2012  
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
R-22-9-17 TGT	4380.0	-651.2	-817.6	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	1818.1	18.27	231.46	1797.6	-120.0	-150.6	1.50	231.46	192.6	
4	4537.7	18.27	231.46	4380.0	-651.2	-817.6	0.00	0.00	1045.2	R-22-9-17 TGT
5	5590.8	18.27	231.46	5380.0	-857.0	-1075.8	0.00	0.00	1375.4	



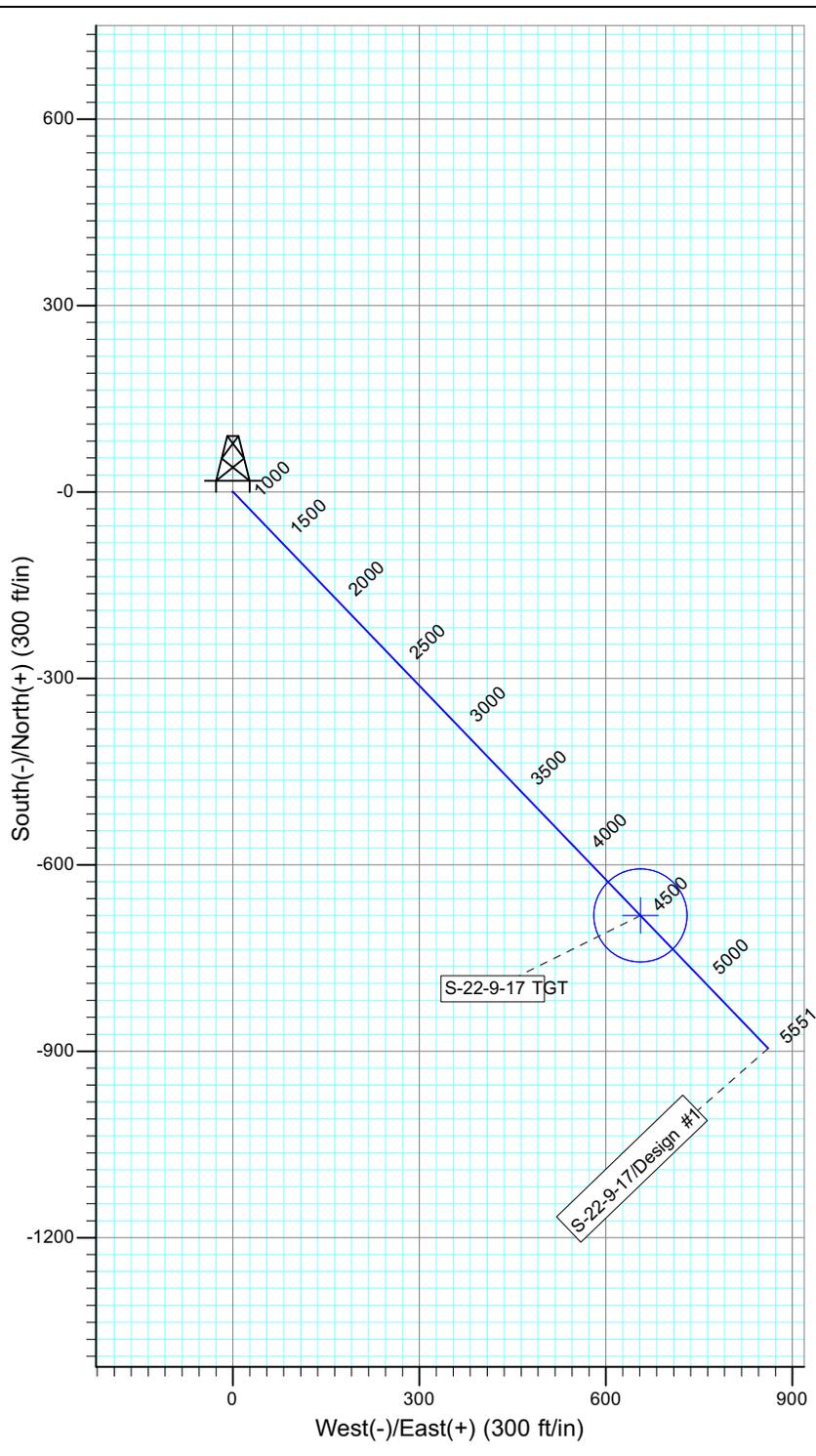
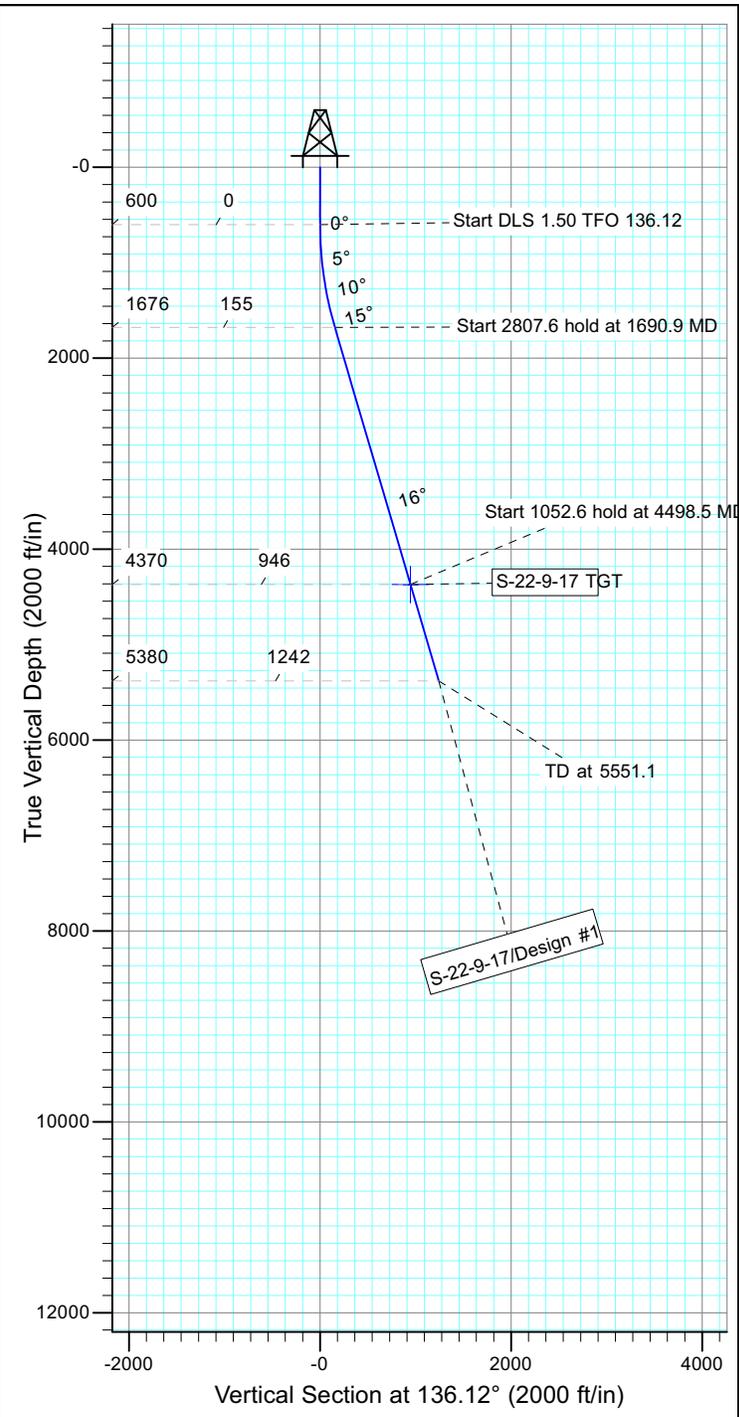


Project: USGS Myton SW (UT)  
 Site: SECTION 22 T9S R17E  
 Well: S-22-9-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.10°

Magnetic Field  
 Strength: 52124.4snT  
 Dip Angle: 65.75°  
 Date: 11/20/2012  
 Model: IGRF2010



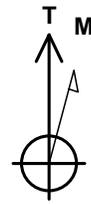
WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
S-22-9-17 TGT	4370.0	-681.7	655.5	Circle (Radius: 75.0)

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1690.9	16.36	136.12	1676.2	-111.5	107.3	1.50	136.12	154.7	
4	4498.5	16.36	136.12	4370.0	-681.7	655.5	0.00	0.00	945.7	S-22-9-17 TGT
5	5551.1	16.36	136.12	5380.0	-895.4	861.1	0.00	0.00	1242.3	



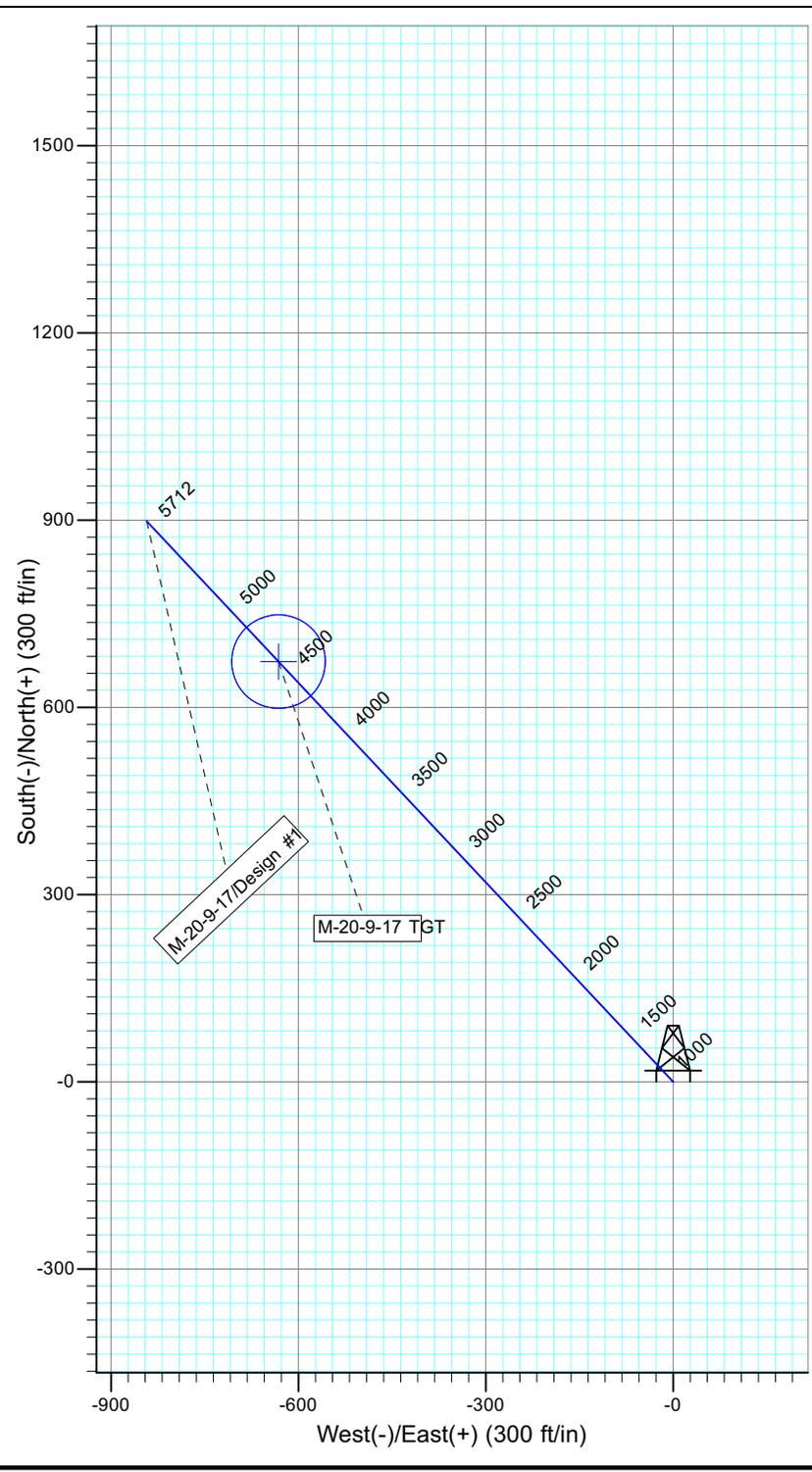
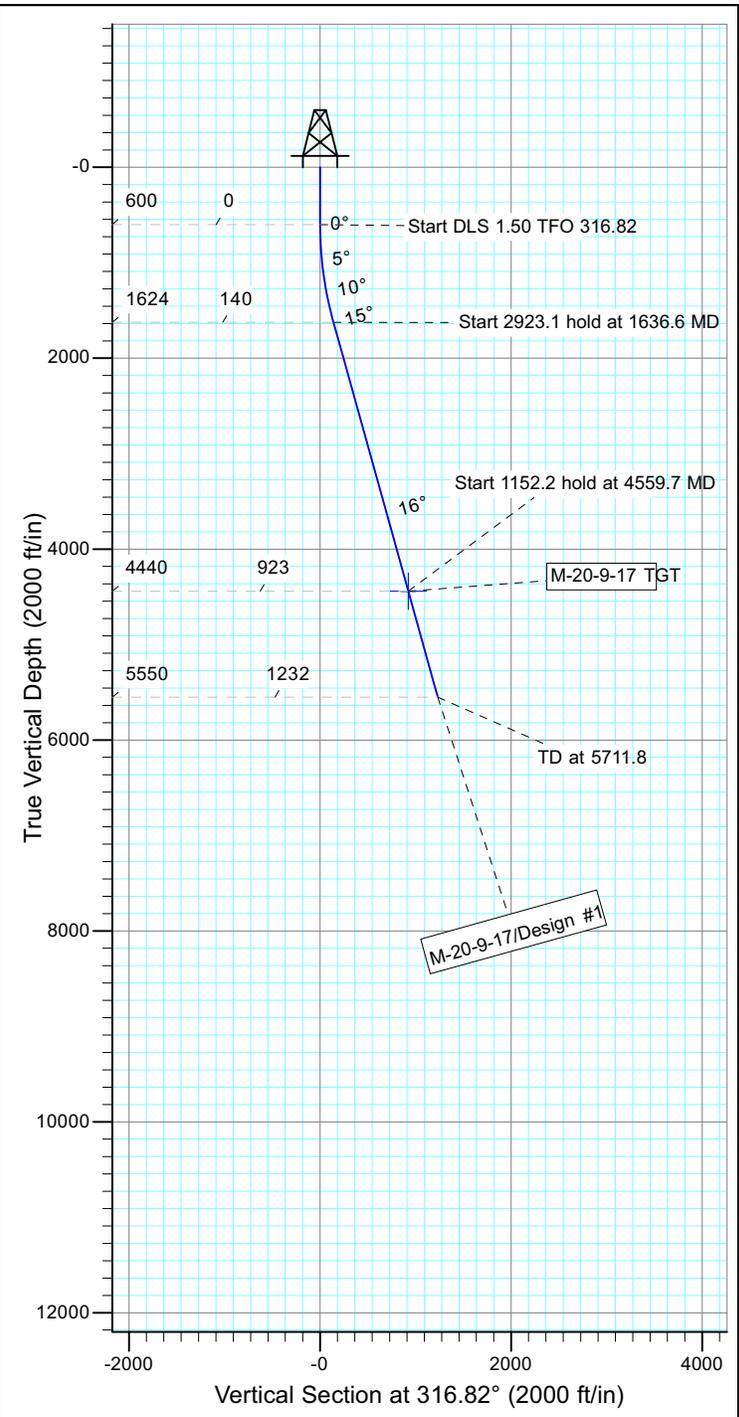


Project: USGS Myton SW (UT)  
 Site: SECTION 20 T9S, R17E  
 Well: M-20-9-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.11°

Magnetic Field  
 Strength: 52118.0snT  
 Dip Angle: 65.74°  
 Date: 11/20/2012  
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
M-20-9-17 TGT	4440.0	673.3	-631.8	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1636.6	15.55	316.82	1623.9	101.9	-95.7	1.50	316.82	139.8	
4	4559.7	15.55	316.82	4440.0	673.3	-631.8	0.00	0.00	923.4	M-20-9-17 TGT
5	5711.8	15.55	316.82	5550.0	898.5	-843.2	0.00	0.00	1232.2	



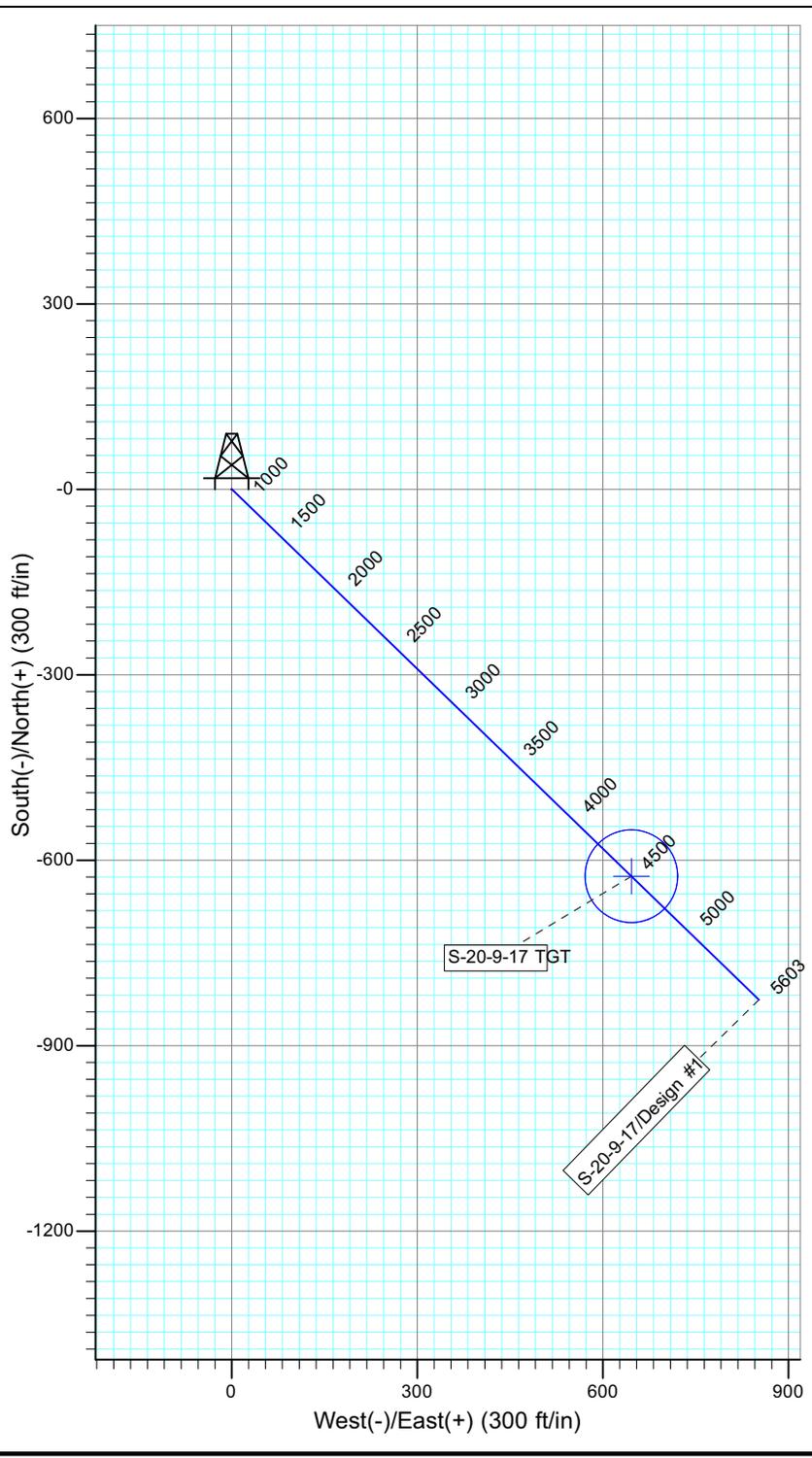
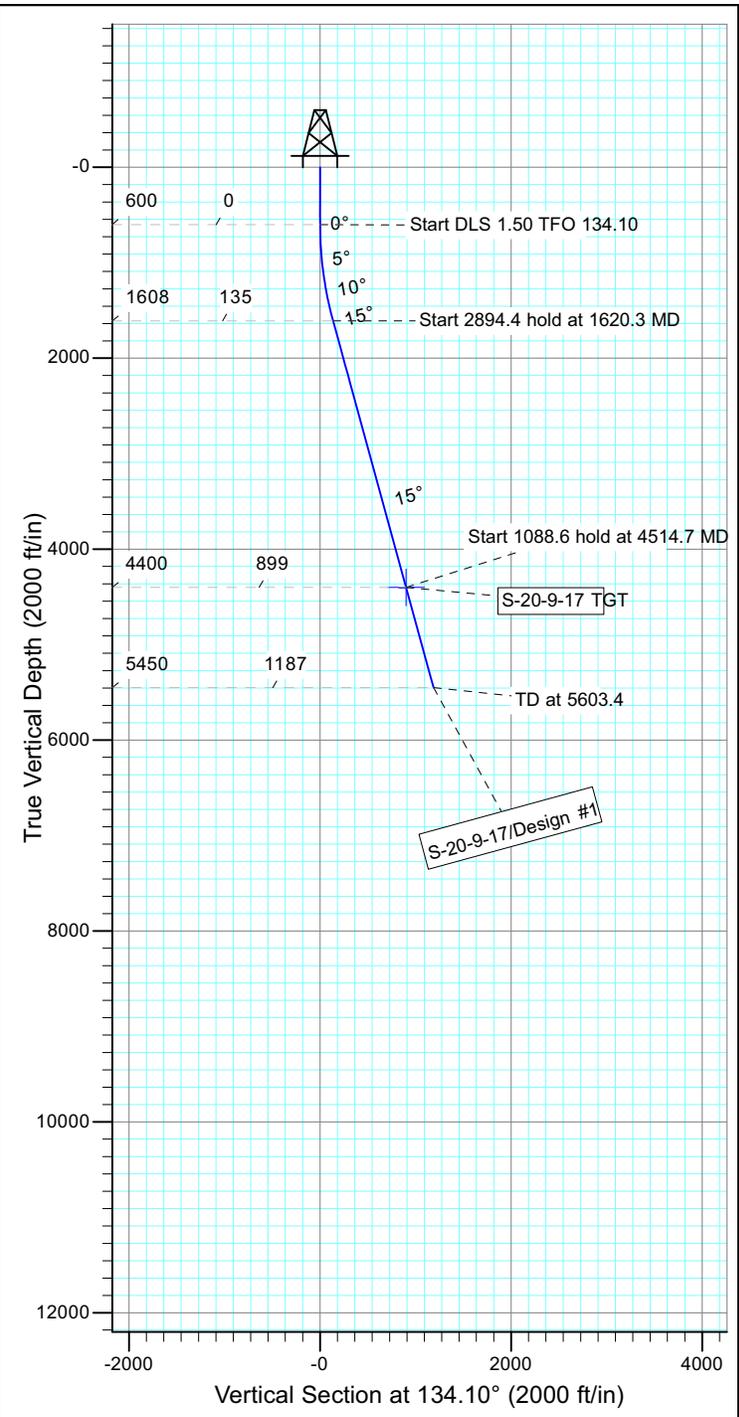


Project: USGS Myton SW (UT)  
 Site: SECTION 20 T9S, R17E  
 Well: S-20-9-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.11°

Magnetic Field  
 Strength: 52115.3snT  
 Dip Angle: 65.74°  
 Date: 11/30/2012  
 Model: IGRF2010



WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
S-20-9-17 TGT	4400.0	-626.0	645.9	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	1620.3	15.31	134.10	1608.2	-94.3	97.3	1.50	134.10	135.5	
4	4514.7	15.31	134.10	4400.0	-626.0	645.9	0.00	0.00	899.5	S-20-9-17 TGT
5	5603.4	15.31	134.10	5450.0	-825.9	852.3	0.00	0.00	1186.8	



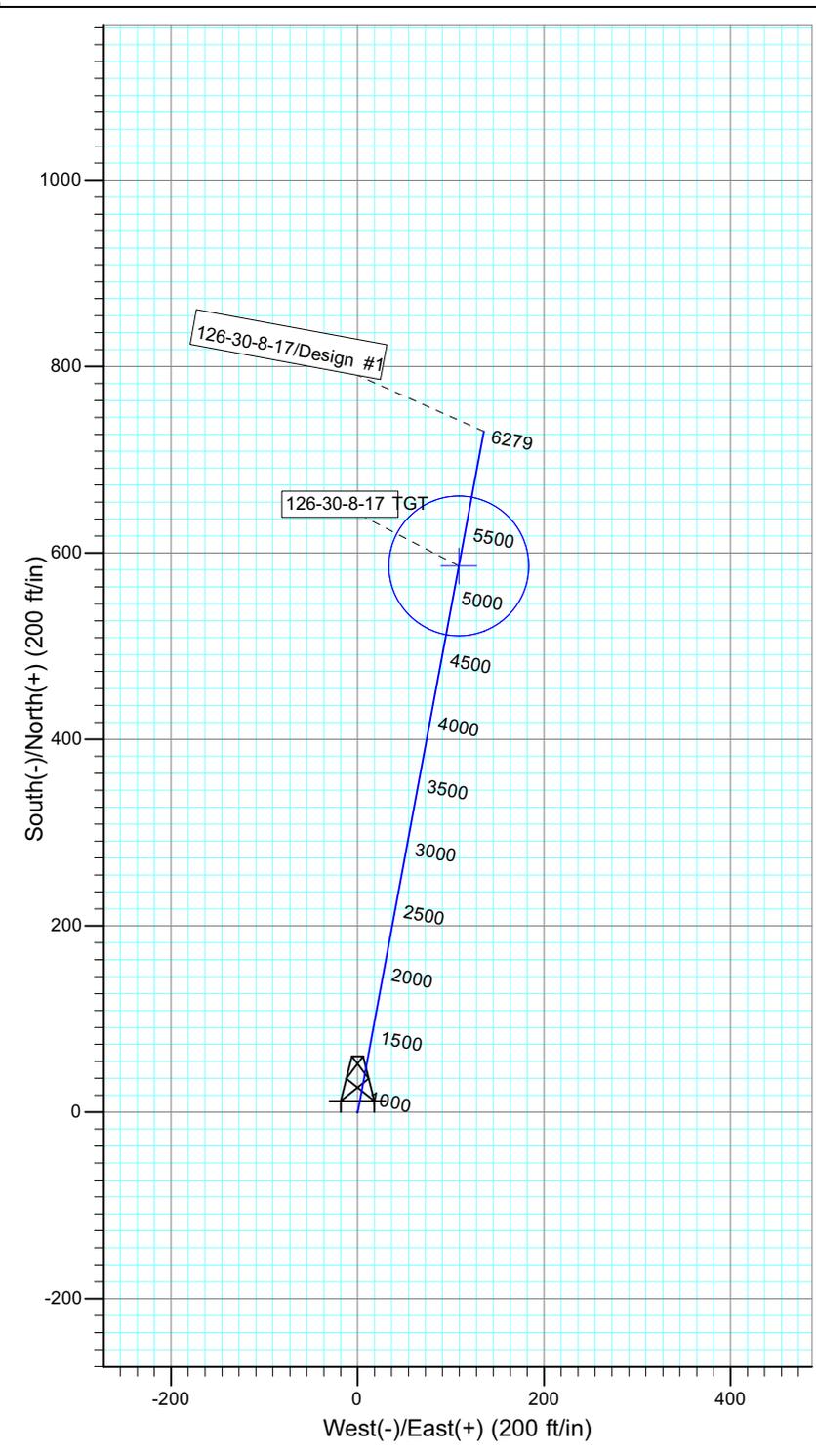
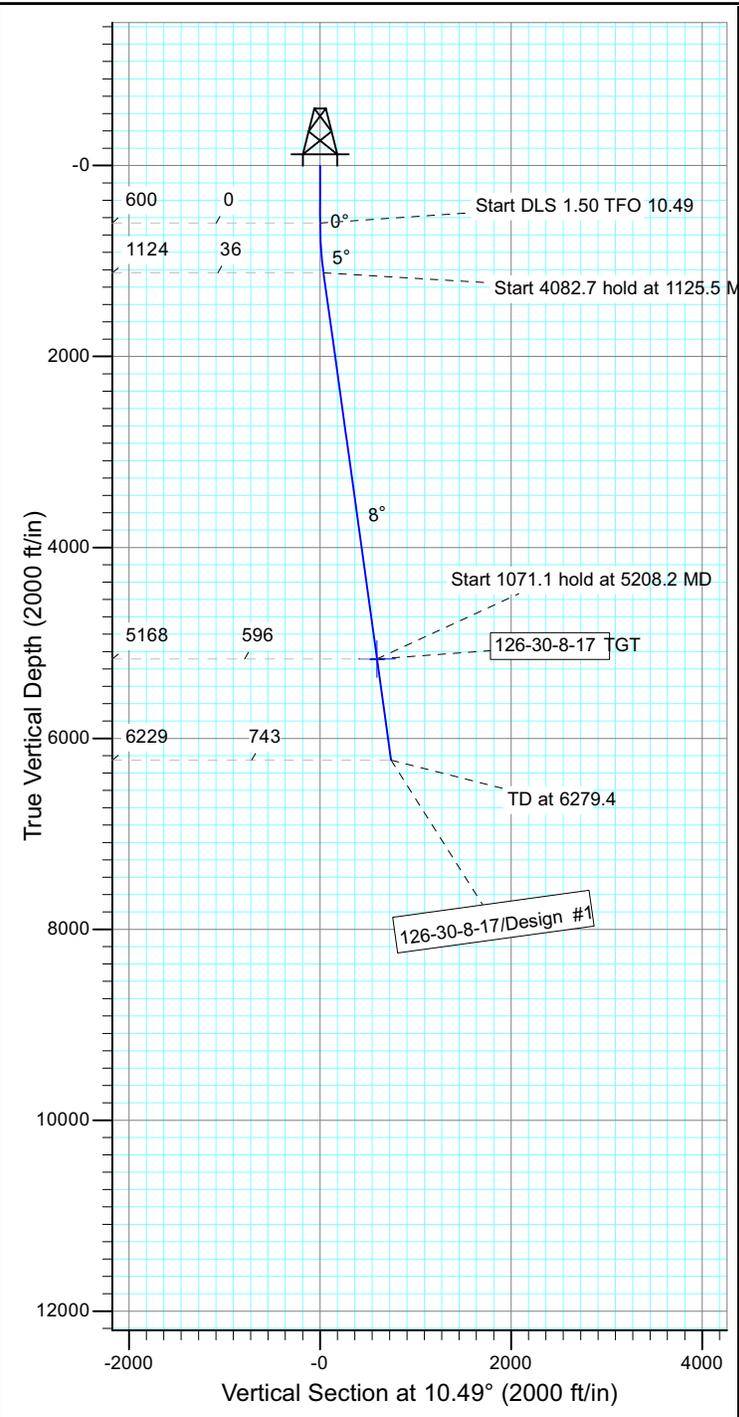


Project: USGS Myton SW (UT)  
 Site: SECTION 30 T8S, R17E  
 Well: 126-30-8-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.11°

Magnetic Field  
 Strength: 52138.5snT  
 Dip Angle: 65.79°  
 Date: 1/15/2013  
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
126-30-8-17 TGT	5168.0	586.1	108.5	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1125.5	7.88	10.49	1123.9	35.5	6.6	1.50	10.49	36.1	
4	5208.2	7.88	10.49	5168.0	586.1	108.5	0.00	0.00	596.0	126-30-8-17 TGT
5	6279.4	7.88	10.49	6229.0	730.5	135.2	0.00	0.00	742.9	



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/21/2013

API NO. ASSIGNED: 43013522680000

WELL NAME: GMBU S-20-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NWSE 20 090S 170E

Permit Tech Review: 

SURFACE: 2003 FSL 2097 FEL

Engineering Review: 

BOTTOM: 1161 FSL 1259 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.01470

LONGITUDE: -110.02844

UTM SURF EASTINGS: 582915.00

NORTHINGS: 4429840.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-77369

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

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

Commingling Approved

## LOCATION AND SITING:

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

Comments: Presite Completed

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



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU S-20-9-17  
**API Well Number:** 43013522680000  
**Lease Number:** UTU-77369  
**Surface Owner:** FEDERAL  
**Approval Date:** 7/2/2013

### 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:

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

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

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

### Notification Requirements:

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

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

(please leave a voicemail message if not available)

OR

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

**Reporting Requirements:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-77369	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> GMBU S-20-9-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013522680000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2003 FSL 2097 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 20 Township: 09.0S Range: 17.0E Meridian: S
<b>COUNTY:</b> DUCHESNE	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/2/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the  
 Utah Division of  
 Oil, Gas and Mining**  
 May 14, 2014

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

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/13/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013522680000**

API: 43013522680000

Well Name: GMBU S-20-9-17

Location: 2003 FSL 2097 FEL QTR NWSE SEC 20 TWNP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 7/2/2013

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

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

Signature: Mandie Crozier

Date: 5/13/2014

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Oil Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-77369
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> GMBU S-20-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2003 FSL 2097 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 20 Township: 09.0S Range: 17.0E Meridian: S	<b>9. API NUMBER:</b> 43013522680000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/2/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**June 08, 2015**  
**Oil, Gas and Mining**

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

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/27/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013522680000**

API: 43013522680000

Well Name: GMBU S-20-9-17

Location: 2003 FSL 2097 FEL QTR NWSE SEC 20 TWNP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 7/2/2013

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

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

Signature: Mandie Crozier

Date: 5/27/2015

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 29 2015

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**BLM**

5. Lease Serial No.  
UTU77369

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
UTU87538X

8. Well Name and No.  
GMBU S-20-9-17

9. API Well No.  
43-013-52268

10. Field and Pool, or Exploratory  
MONUMENT BUTTE

11. County or Parish, and State  
DUCHESNE COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator Contact: MANDIE CROZIER  
NEWFIELD PRODUCTION COMPANY E-Mail: MCROZIER@NEWFIELD.COM

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

3b. Phone No. (include area code)  
Ph: 435-646-4825

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T9S R17E Mer SLB NWSE 2003FSL 2097FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield proposes to extend the Application for Permit to Drill this well. The APD was originally approved on 11/20/13.

APD - 11/20/13  
NEPA - 2013-285 EA

VERNAL FIELD OFFICE	
ENG.	RSM 11/24/15
GEOLOG.	_____
E.S.	_____
PET.	_____
RECL.	_____

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #322007 verified by the BLM Well Information System For NEWFIELD PRODUCTION COMPANY, sent to the Vernal Committed to AFMSS for processing by JOHNETTA MAGEE on 11/02/2015 ()**

Name (Printed/Typed) MANDIE CROZIER	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 10/29/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title Assistant Field Manager Lands & Mineral Resources	Date NOV 30 2015
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
<b>VERNAL FIELD OFFICE</b>		

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.

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

**UDOGM**

# CONDITIONS OF APPROVAL

## Newfield Exploration Company

### Notice of Intent APD Extension

**Lease:** UTU-77369  
**Well:** GMBU S-20-9-17  
**Location:** NWSE Sec 20-T9S-R17E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 11/20/2017.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> GMBU S-20-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2003 FSL 2097 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 20 Township: 09.0S Range: 17.0E Meridian: S	<b>9. API NUMBER:</b> 43013522680000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/2/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**June 15, 2016**  
**Oil, Gas and Mining**

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

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/13/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013522680000**

API: 43013522680000

Well Name: GMBU S-20-9-17

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- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Mandie Crozier

Date: 6/13/2016

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