

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 112-8-9-16						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)						
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825						
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-74390			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		1002 FNL 778 FWL		NWNW		8		9.0 S		16.0 E		S
Top of Uppermost Producing Zone		1347 FNL 749 FWL		NWNW		8		9.0 S		16.0 E		S
At Total Depth		1647 FNL 714 FWL		SWNW		8		9.0 S		16.0 E		S
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1647			23. NUMBER OF ACRES IN DRILLING UNIT 10						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 392			26. PROPOSED DEPTH MD: 6194 TVD: 6155						
27. ELEVATION - GROUND LEVEL 5940			28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478						
Hole, Casing, and Cement Information												
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight	
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G		138	1.17	15.8	
PROD	7.875	5.5	0 - 6194	15.5	J-55 LT&C	8.3	Premium Lite High Strength		290	3.26	11.0	
							50/50 Poz		363	1.24	14.3	
ATTACHMENTS												
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES												
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Mandie Crozier				TITLE Regulatory Tech				PHONE 435 646-4825				
SIGNATURE				DATE 11/13/2013				EMAIL mcrozier@newfield.com				
API NUMBER ASSIGNED 43013526720000				APPROVAL				 Permit Manager				

NEWFIELD PRODUCTION COMPANY
GMBU 112-8-9-16
AT SURFACE: NW/NW SECTION 8, T9S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1710'
Green River	1710'
Wasatch	6330'
Proposed TD	6194'(MD) 6155' (TVD)

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

Green River Formation (Oil) 1710' – 6330'

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 112-8-9-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,194'	15.5	J-55	LTC	4,810 2.44	4,040 2.05	217,000 2.26

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 112-8-9-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,194'	Prem Lite II w/ 10% gel + 3% KCl	290	30%	11.0	3.26
			945			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

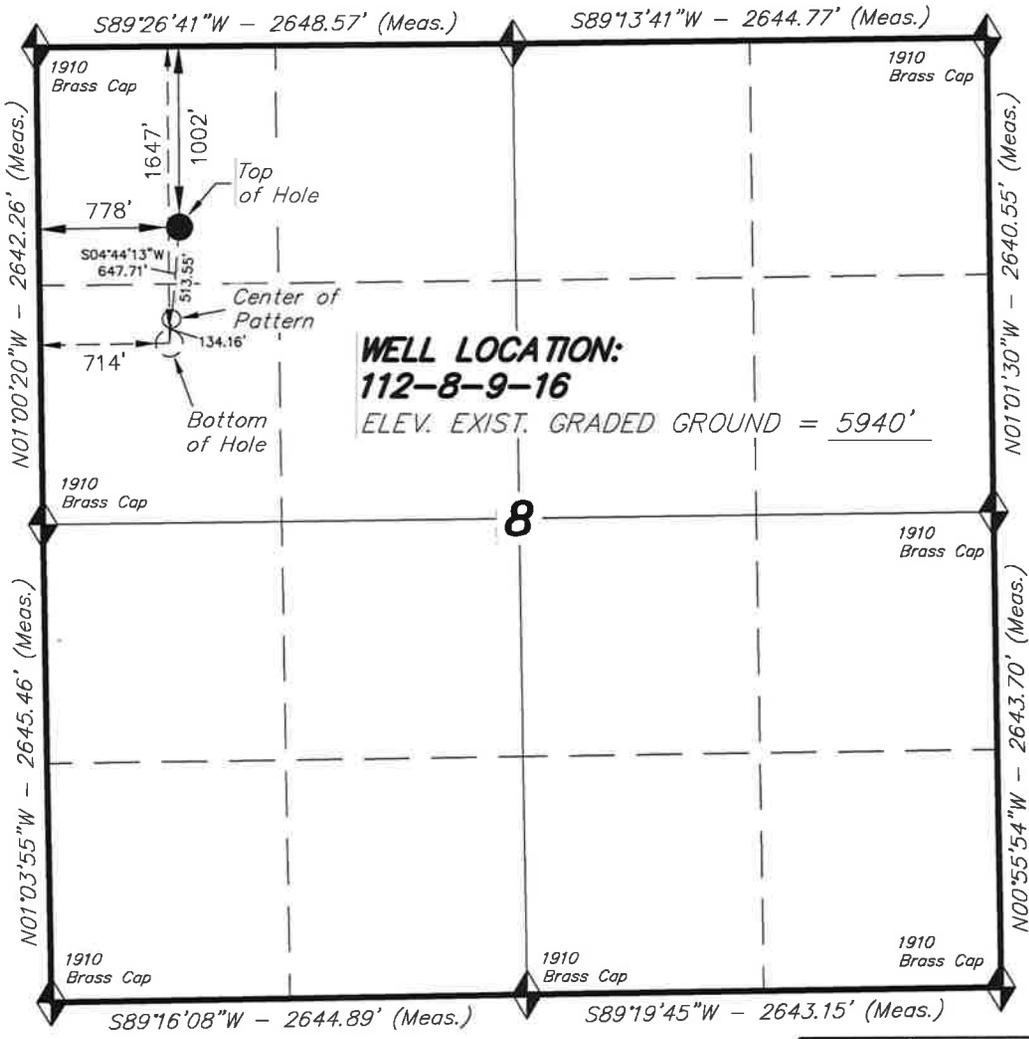
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

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

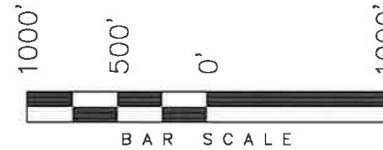
T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, 112-8-9-16, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

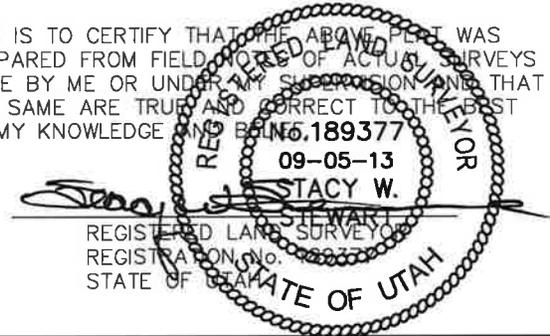
TARGET BOTTOM HOLE, 112-8-9-16, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 1514' FNL & 727' FWL.

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.



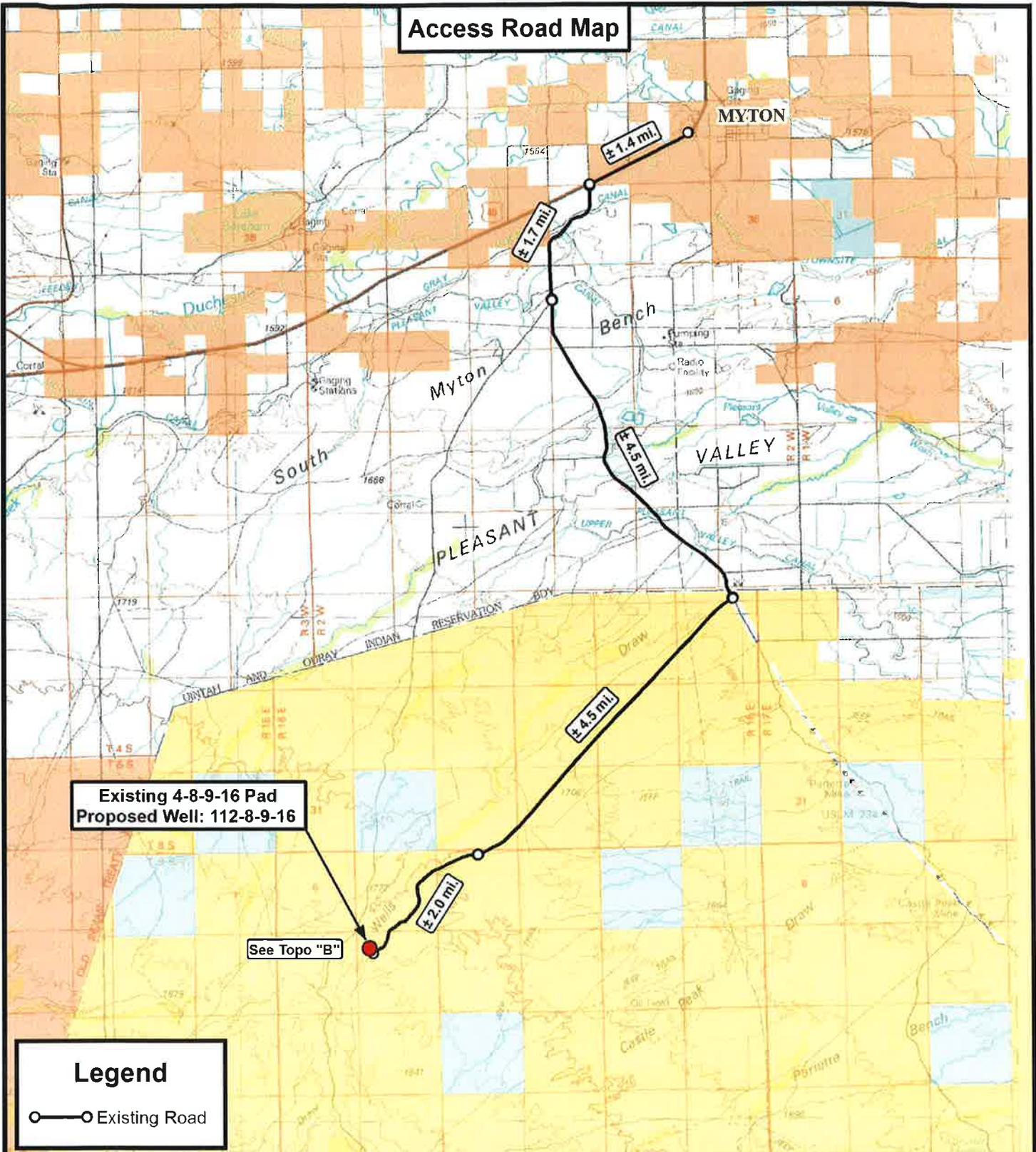
◆ = SECTION CORNERS LOCATED

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'

NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°02'59.70"	
LONGITUDE = 110°08'59.64"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°02'59.84"	
LONGITUDE = 110°08'57.10"	
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'54.65"	LATITUDE = 40°02'53.33"
LONGITUDE = 110°09'00.29"	LONGITUDE = 110°09'00.46"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'54.79"	LATITUDE = 40°02'53.47"
LONGITUDE = 110°08'57.74"	LONGITUDE = 110°08'57.91"

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

DATE SURVEYED: 07-31-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 09-05-13	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	



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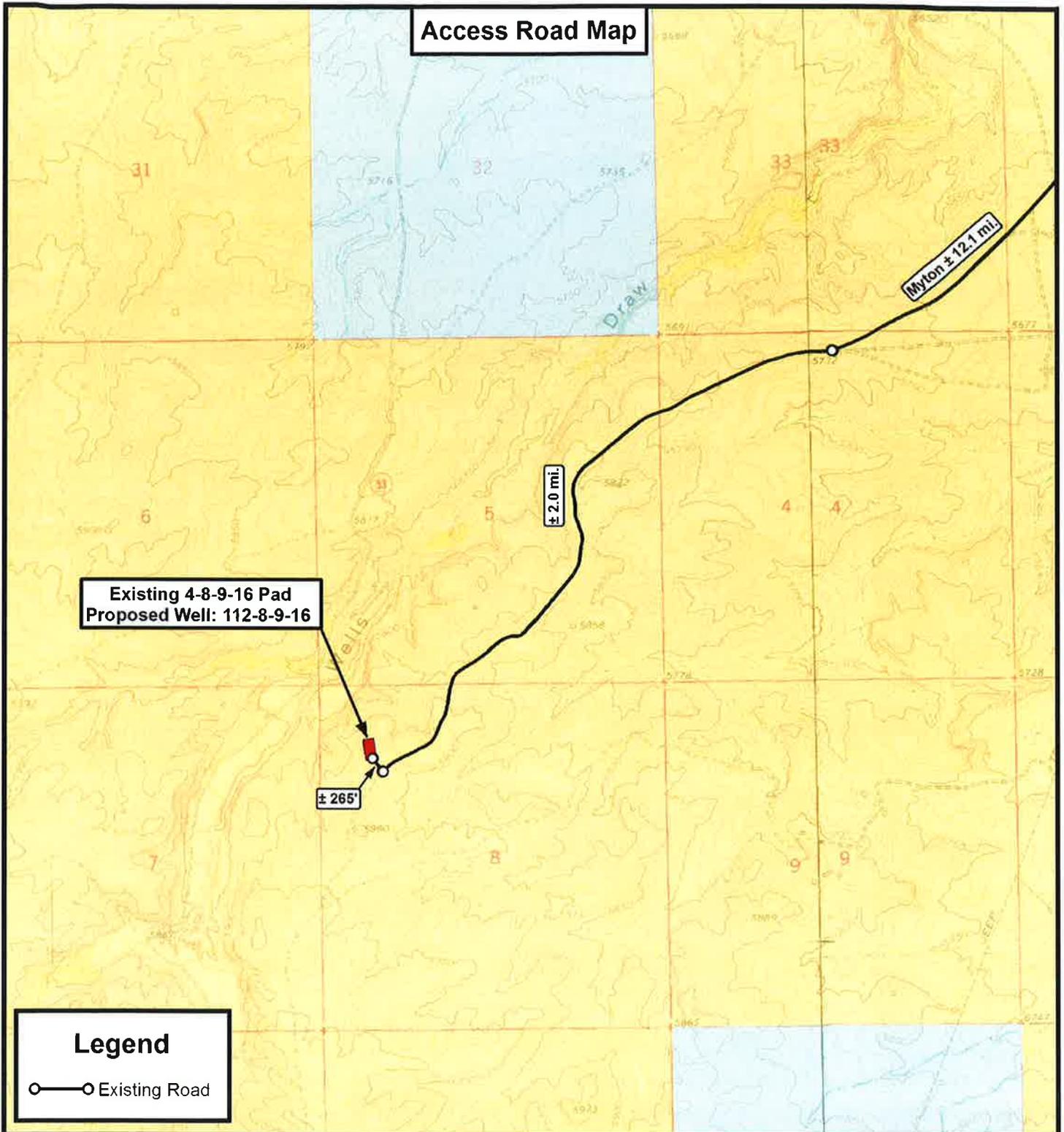
NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A



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

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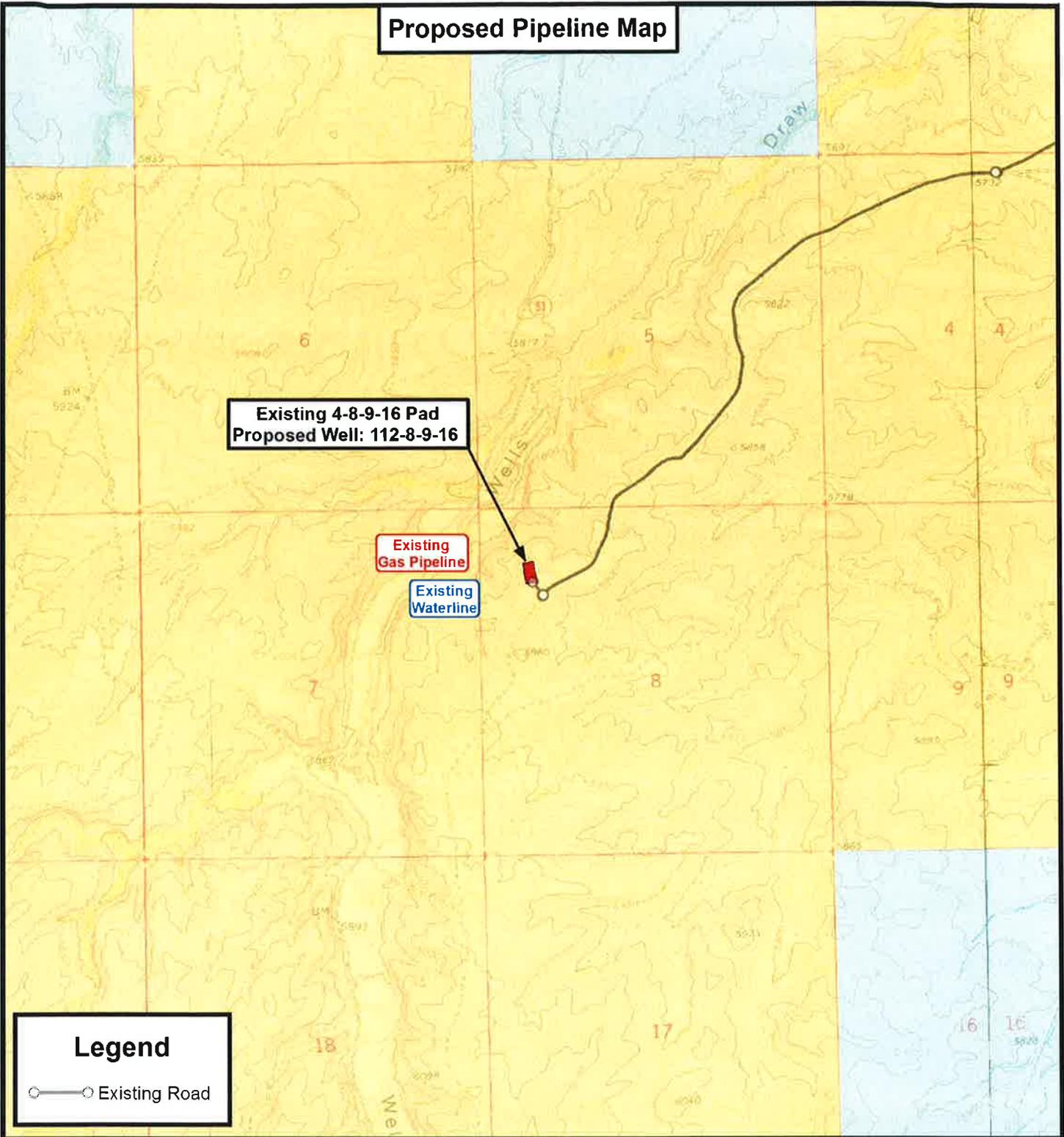
NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B



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NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
 Proposed Well: 112-8-9-16
 Sec. 8, T9S, R16E, S.L.B.&M.
 Duchesne County, UT.

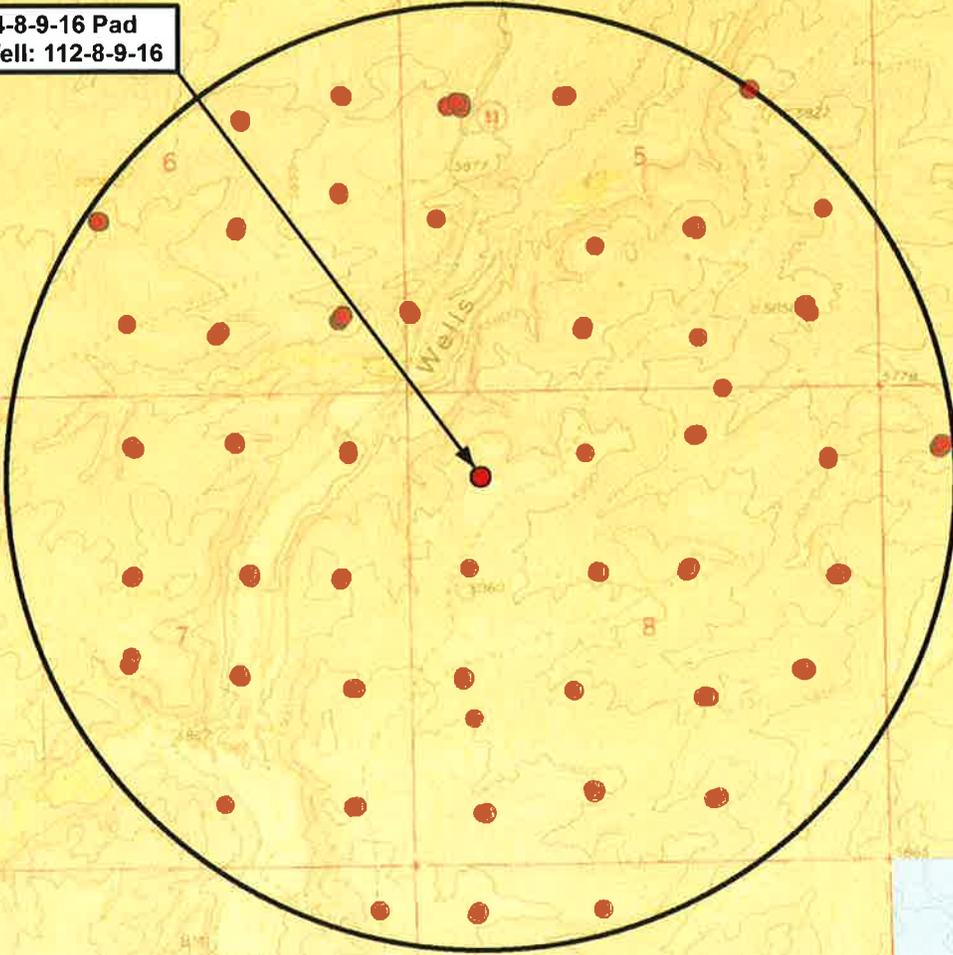
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16**



Legend

-  1 Mile Radius
-  Pad Location

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NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
4-8-9-16	Surface Hole	40° 03' 00.04" N	110° 08' 59.30" W
G-8-9-16	Surface Hole	40° 02' 59.87" N	110° 08' 59.48" W
112-8-9-16	Surface Hole	40° 02' 59.70" N	110° 08' 59.64" W
112-8-9-16	Center of Pattern	40° 02' 54.65" N	110° 09' 00.29" W
112-8-9-16	Bottom of Hole	40° 02' 53.33" N	110° 09' 00.46" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
4-8-9-16	Surface Hole	40.050010	110.149807
G-8-9-16	Surface Hole	40.049963	110.149854
112-8-9-16	Surface Hole	40.049918	110.149901
112-8-9-16	Center of Pattern	40.048515	110.150080
112-8-9-16	Bottom of Hole	40.048148	110.150127
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
4-8-9-16	Surface Hole	4433654.090	572519.734
G-8-9-16	Surface Hole	4433648.873	572515.725
112-8-9-16	Surface Hole	4433643.749	572511.788
112-8-9-16	Center of Pattern	4433487.920	572498.004
112-8-9-16	Bottom of Hole	4433447.211	572494.404
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
4-8-9-16	Surface Hole	40° 03' 00.17" N	110° 08' 56.76" W
G-8-9-16	Surface Hole	40° 03' 00.00" N	110° 08' 56.93" W
112-8-9-16	Surface Hole	40° 02' 59.84" N	110° 08' 57.10" W
112-8-9-16	Center of Pattern	40° 02' 54.79" N	110° 08' 57.74" W
112-8-9-16	Bottom of Hole	40° 02' 53.47" N	110° 08' 57.91" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
4-8-9-16	Surface Hole	40.050048	110.149099
G-8-9-16	Surface Hole	40.050001	110.149147
112-8-9-16	Surface Hole	40.049956	110.149194
112-8-9-16	Center of Pattern	40.048553	110.149373
112-8-9-16	Bottom of Hole	40.048186	110.149419



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 Existing 4-8-9-16 Pad
 Proposed Well: 112-8-9-16
 Sec. 8, T9S, R16E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	09-09-2013		
VERSION:	V1		

COORDINATE REPORT	1
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NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 8 T9S, R17E
112-8-9-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

03 September, 2013





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 112-8-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Site:	SECTION 8 T9S, R17E	North Reference:	True
Well:	112-8-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 8 T9S, R17E, SEC 8 T8S, R17E				
Site Position:		Northing:	7,189,610.00 ft	Latitude:	40° 2' 53.026 N
From:	Lat/Long	Easting:	2,051,781.00 ft	Longitude:	110° 1' 49.660 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.94 °

Well	112-8-9-16, SHL LAT: 40 02 59.70 LONG: -110 08 59.64					
Well Position	+N/-S	653.0 ft	Northing:	7,189,758.25 ft	Latitude:	40° 2' 59.700 N
	+E/-W	-33,435.8 ft	Easting:	2,018,339.24 ft	Longitude:	110° 8' 59.640 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,950.0 ft	Ground Level:	5,940.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/3/2013	11.07	65.73	52,038

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	184.74

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	
1,062.5	6.94	184.74	1,061.4	-27.9	-2.3	1.50	1.50	0.00	184.74	
5,082.6	6.94	184.74	5,052.0	-511.8	-42.4	0.00	0.00	0.00	0.00	112-8-9-16 TGT
6,193.7	6.94	184.74	6,155.0	-645.5	-53.5	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 112-8-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Site:	SECTION 8 T9S, R17E	North Reference:	True
Well:	112-8-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	184.74	700.0	-1.3	-0.1	1.3	1.50	1.50	0.00
800.0	3.00	184.74	799.9	-5.2	-0.4	5.2	1.50	1.50	0.00
900.0	4.50	184.74	899.7	-11.7	-1.0	11.8	1.50	1.50	0.00
1,000.0	6.00	184.74	999.3	-20.9	-1.7	20.9	1.50	1.50	0.00
1,062.5	6.94	184.74	1,061.4	-27.9	-2.3	28.0	1.50	1.50	0.00
1,100.0	6.94	184.74	1,098.6	-32.4	-2.7	32.5	0.00	0.00	0.00
1,200.0	6.94	184.74	1,197.9	-44.4	-3.7	44.6	0.00	0.00	0.00
1,300.0	6.94	184.74	1,297.1	-56.5	-4.7	56.7	0.00	0.00	0.00
1,400.0	6.94	184.74	1,396.4	-68.5	-5.7	68.7	0.00	0.00	0.00
1,500.0	6.94	184.74	1,495.7	-80.5	-6.7	80.8	0.00	0.00	0.00
1,600.0	6.94	184.74	1,594.9	-92.6	-7.7	92.9	0.00	0.00	0.00
1,700.0	6.94	184.74	1,694.2	-104.6	-8.7	105.0	0.00	0.00	0.00
1,800.0	6.94	184.74	1,793.5	-116.6	-9.7	117.0	0.00	0.00	0.00
1,900.0	6.94	184.74	1,892.7	-128.7	-10.7	129.1	0.00	0.00	0.00
2,000.0	6.94	184.74	1,992.0	-140.7	-11.7	141.2	0.00	0.00	0.00
2,100.0	6.94	184.74	2,091.3	-152.8	-12.7	153.3	0.00	0.00	0.00
2,200.0	6.94	184.74	2,190.5	-164.8	-13.7	165.4	0.00	0.00	0.00
2,300.0	6.94	184.74	2,289.8	-176.8	-14.7	177.4	0.00	0.00	0.00
2,400.0	6.94	184.74	2,389.1	-188.9	-15.7	189.5	0.00	0.00	0.00
2,500.0	6.94	184.74	2,488.3	-200.9	-16.7	201.6	0.00	0.00	0.00
2,600.0	6.94	184.74	2,587.6	-213.0	-17.7	213.7	0.00	0.00	0.00
2,700.0	6.94	184.74	2,686.9	-225.0	-18.7	225.8	0.00	0.00	0.00
2,800.0	6.94	184.74	2,786.1	-237.0	-19.7	237.8	0.00	0.00	0.00
2,900.0	6.94	184.74	2,885.4	-249.1	-20.7	249.9	0.00	0.00	0.00
3,000.0	6.94	184.74	2,984.7	-261.1	-21.6	262.0	0.00	0.00	0.00
3,100.0	6.94	184.74	3,084.0	-273.1	-22.6	274.1	0.00	0.00	0.00
3,200.0	6.94	184.74	3,183.2	-285.2	-23.6	286.2	0.00	0.00	0.00
3,300.0	6.94	184.74	3,282.5	-297.2	-24.6	298.2	0.00	0.00	0.00
3,400.0	6.94	184.74	3,381.8	-309.3	-25.6	310.3	0.00	0.00	0.00
3,500.0	6.94	184.74	3,481.0	-321.3	-26.6	322.4	0.00	0.00	0.00
3,600.0	6.94	184.74	3,580.3	-333.3	-27.6	334.5	0.00	0.00	0.00
3,700.0	6.94	184.74	3,679.6	-345.4	-28.6	346.5	0.00	0.00	0.00
3,800.0	6.94	184.74	3,778.8	-357.4	-29.6	358.6	0.00	0.00	0.00
3,900.0	6.94	184.74	3,878.1	-369.4	-30.6	370.7	0.00	0.00	0.00
4,000.0	6.94	184.74	3,977.4	-381.5	-31.6	382.8	0.00	0.00	0.00
4,100.0	6.94	184.74	4,076.6	-393.5	-32.6	394.9	0.00	0.00	0.00
4,200.0	6.94	184.74	4,175.9	-405.6	-33.6	406.9	0.00	0.00	0.00
4,300.0	6.94	184.74	4,275.2	-417.6	-34.6	419.0	0.00	0.00	0.00
4,400.0	6.94	184.74	4,374.4	-429.6	-35.6	431.1	0.00	0.00	0.00
4,500.0	6.94	184.74	4,473.7	-441.7	-36.6	443.2	0.00	0.00	0.00
4,600.0	6.94	184.74	4,573.0	-453.7	-37.6	455.3	0.00	0.00	0.00
4,700.0	6.94	184.74	4,672.2	-465.7	-38.6	467.3	0.00	0.00	0.00
4,800.0	6.94	184.74	4,771.5	-477.8	-39.6	479.4	0.00	0.00	0.00
4,900.0	6.94	184.74	4,870.8	-489.8	-40.6	491.5	0.00	0.00	0.00
5,000.0	6.94	184.74	4,970.0	-501.9	-41.6	503.6	0.00	0.00	0.00
5,082.6	6.94	184.74	5,052.0	-511.8	-42.4	513.5	0.00	0.00	0.00
5,100.0	6.94	184.74	5,069.3	-513.9	-42.6	515.7	0.00	0.00	0.00



Payzone Directional Planning Report

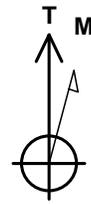


Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 112-8-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	112-8-9-16 @ 5950.0ft (Original Well Elev)
Site:	SECTION 8 T9S, R17E	North Reference:	True
Well:	112-8-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	6.94	184.74	5,168.6	-525.9	-43.6	527.7	0.00	0.00	0.00
5,300.0	6.94	184.74	5,267.8	-538.0	-44.6	539.8	0.00	0.00	0.00
5,400.0	6.94	184.74	5,367.1	-550.0	-45.6	551.9	0.00	0.00	0.00
5,500.0	6.94	184.74	5,466.4	-562.0	-46.6	564.0	0.00	0.00	0.00
5,600.0	6.94	184.74	5,565.6	-574.1	-47.6	576.1	0.00	0.00	0.00
5,700.0	6.94	184.74	5,664.9	-586.1	-48.6	588.1	0.00	0.00	0.00
5,800.0	6.94	184.74	5,764.2	-598.2	-49.6	600.2	0.00	0.00	0.00
5,900.0	6.94	184.74	5,863.5	-610.2	-50.6	612.3	0.00	0.00	0.00
6,000.0	6.94	184.74	5,962.7	-622.2	-51.6	624.4	0.00	0.00	0.00
6,100.0	6.94	184.74	6,062.0	-634.3	-52.6	636.4	0.00	0.00	0.00
6,193.7	6.94	184.74	6,155.0	-645.5	-53.5	647.8	0.00	0.00	0.00

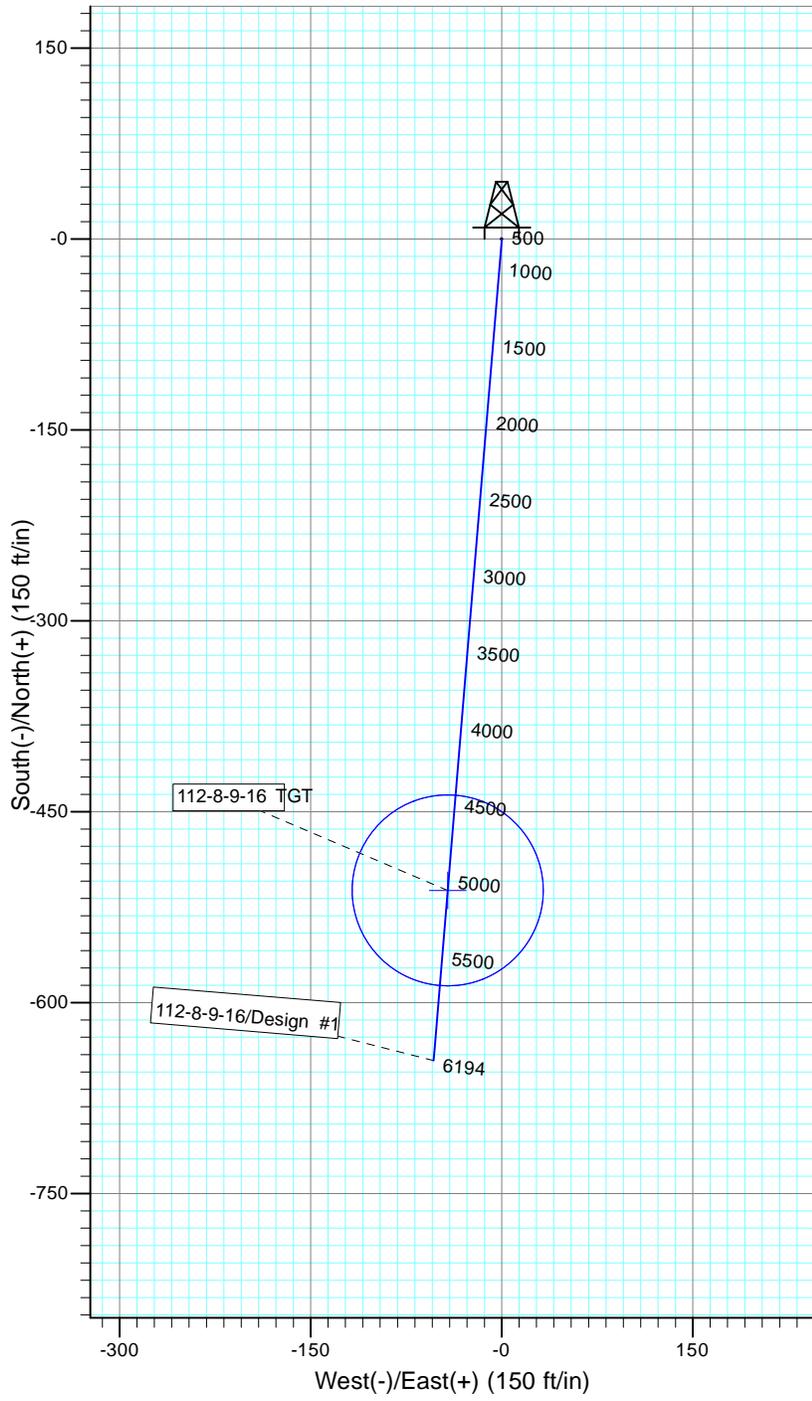
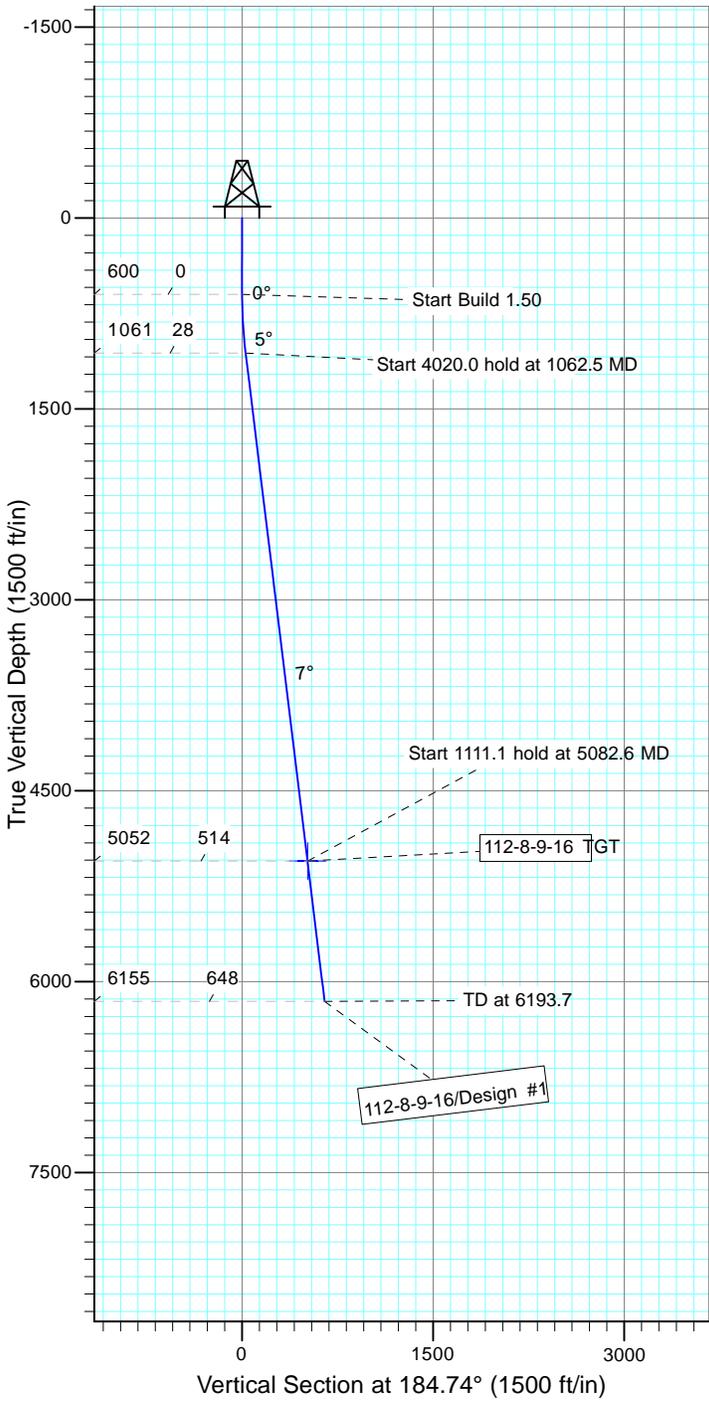


Project: USGS Myton SW (UT)
 Site: SECTION 8 T9S, R17E
 Well: 112-8-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.06°

Magnetic Field
 Strength: 52038.3snT
 Dip Angle: 65.73°
 Date: 9/3/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
112-8-9-16 TGT	5052.0	-511.8	-42.4	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1062.5	6.94	184.74	1061.4	-27.9	-2.3	1.50	184.74	28.0	
4	5082.6	6.94	184.74	5052.0	-511.8	-42.4	0.00	0.00	513.5	112-8-9-16 TGT
5	6193.7	6.94	184.74	6155.0	-645.5	-53.5	0.00	0.00	647.8	



**NEWFIELD PRODUCTION COMPANY
GMBU 112-8-9-16
AT SURFACE: NW/NW SECTION 8, T9S R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 112-8-9-16 located in the NW 1/4 NW 1/4 Section 8, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 6.2 miles \pm to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 6.0 miles \pm to it's junction with an existing road to the northwest; proceed in a northwesterly direction to it's junction with the beginning of the access road to the existing 4-8-9-16 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 4-8-9-16 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

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

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

10. PLANS FOR RESTORATION OF SURFACE:

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

11. SURFACE OWNERSHIP – Bureau of Land Management.

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit # U-13-MQ-0883b, 10/21/13, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade Miller, 10/03/13. See attached report cover pages.

Water Disposal

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

Additional Surface Stipulations

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

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU 112-8-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 112-8-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #112-8-9-16, Section 8, Township 9S, Range 16E: Lease UTU-74390 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.

11/8/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

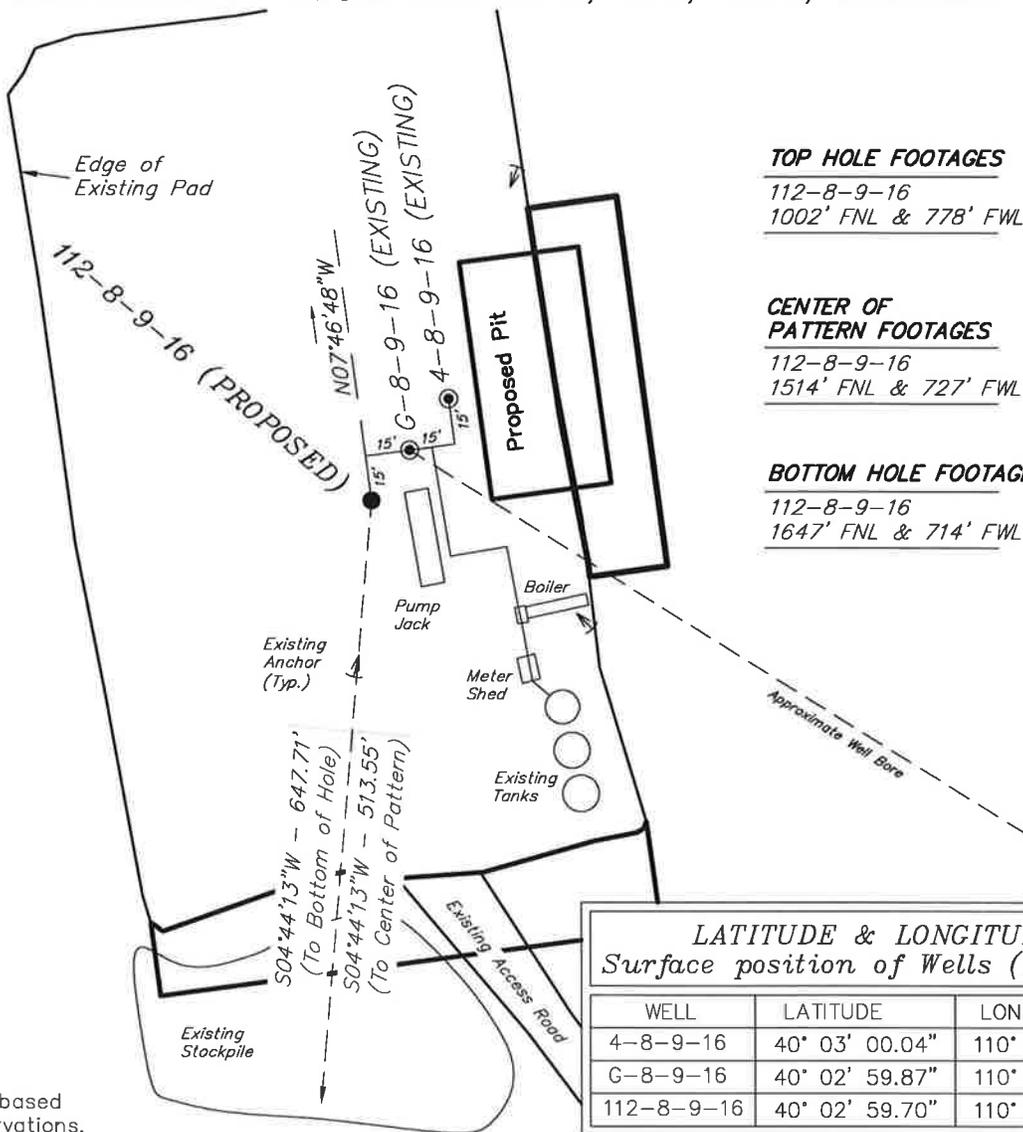
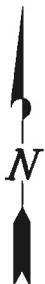
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

EXISTING 4-8-9-16 PAD

PROPOSED WELL: 112-8-9-16

Pad Location: NWNW Section 8, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

112-8-9-16
1002' FNL & 778' FWL

CENTER OF PATTERN FOOTAGES

112-8-9-16
1514' FNL & 727' FWL

BOTTOM HOLE FOOTAGES

112-8-9-16
1647' FNL & 714' FWL

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
4-8-9-16	40° 03' 00.04"	110° 08' 59.30"
G-8-9-16	40° 02' 59.87"	110° 08' 59.48"
112-8-9-16	40° 02' 59.70"	110° 08' 59.64"

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES From Top Hole to C.O.P.		
WELL	NORTH	EAST
112-8-9-16	-512'	-42'

LATITUDE & LONGITUDE Center of Pattern (NAD 83)		
WELL	LATITUDE	LONGITUDE
112-8-9-16	40° 02' 54.65"	110° 09' 00.29"

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
112-8-9-16	-645'	-53'

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)		
WELL	LATITUDE	LONGITUDE
112-8-9-16	40° 02' 53.33"	110° 09' 00.46"

SURVEYED BY: Q.M.	DATE SURVEYED: 07-31-13	VERSION: V1
DRAWN BY: F.T.M.	DATE DRAWN: 08-13-13	
SCALE: 1" = 60'	REVISED:	

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

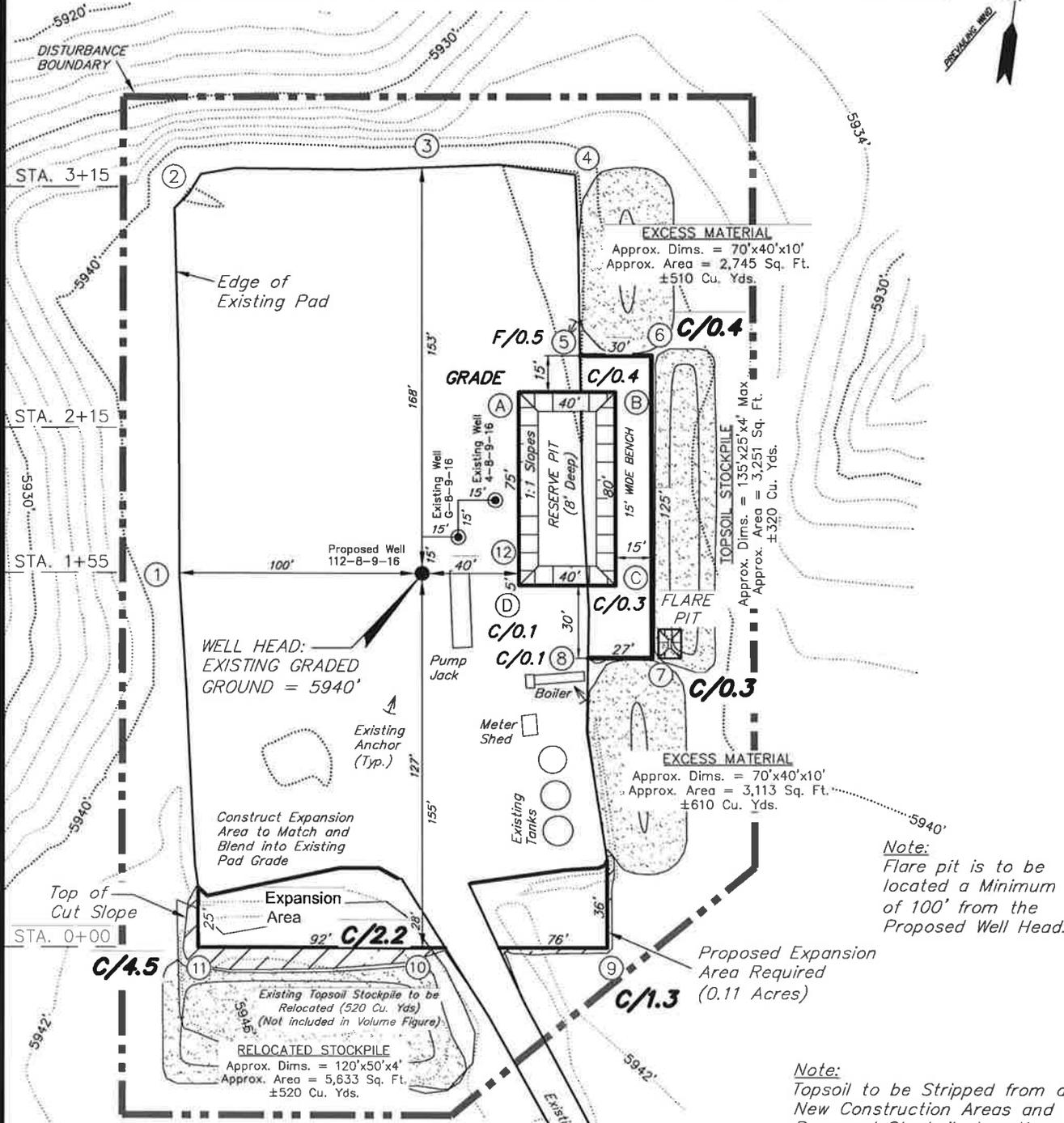
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

EXISTING 4-8-9-16 PAD

PROPOSED WELL: 112-8-9-16

Pad Location: NWNW Section 8, T9S, R16E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,440 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:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

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

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

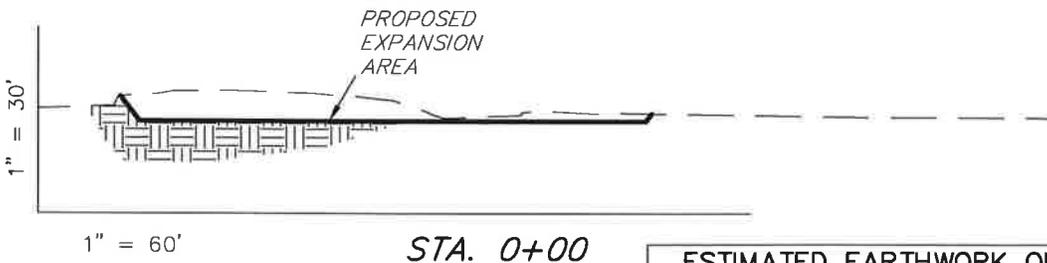
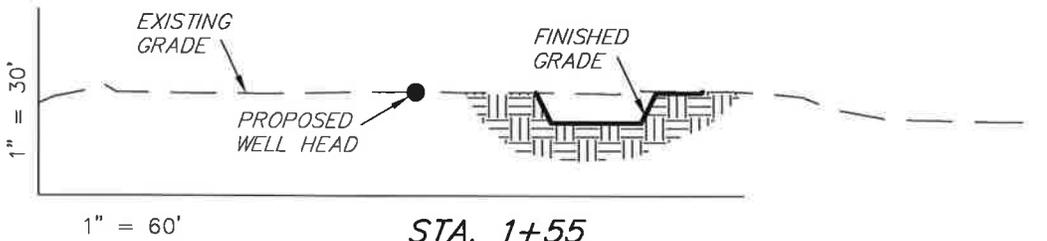
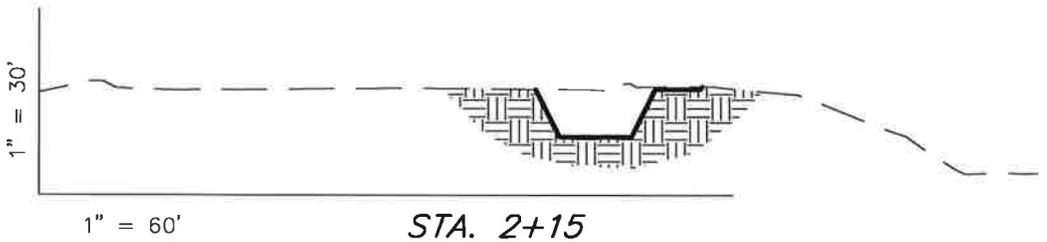
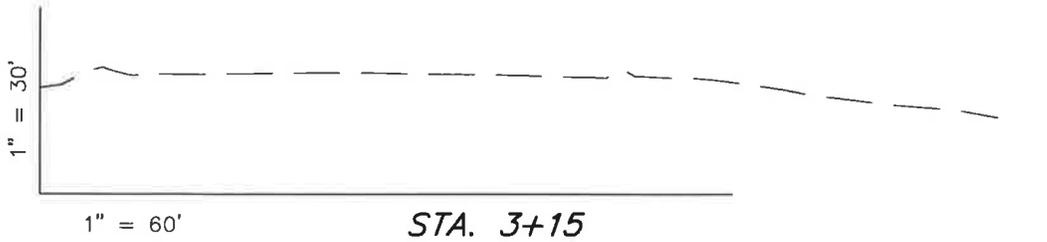
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SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS EXISTING 4-8-9-16 PAD PROPOSED WELL: 112-8-9-16

Pad Location: NWNW Section 8, T9S, R16E, 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	330	0	Topsoil is not included in Pad Cut	330
PIT	690	0		690
TOTALS	1,020	0	290	1,020

SURVEYED BY: Q.M.	DATE SURVEYED: 07-31-13	VERSION:	
DRAWN BY: F.T.M.	DATE DRAWN: 08-13-13	V1	
SCALE: 1" = 60'	REVISED:		

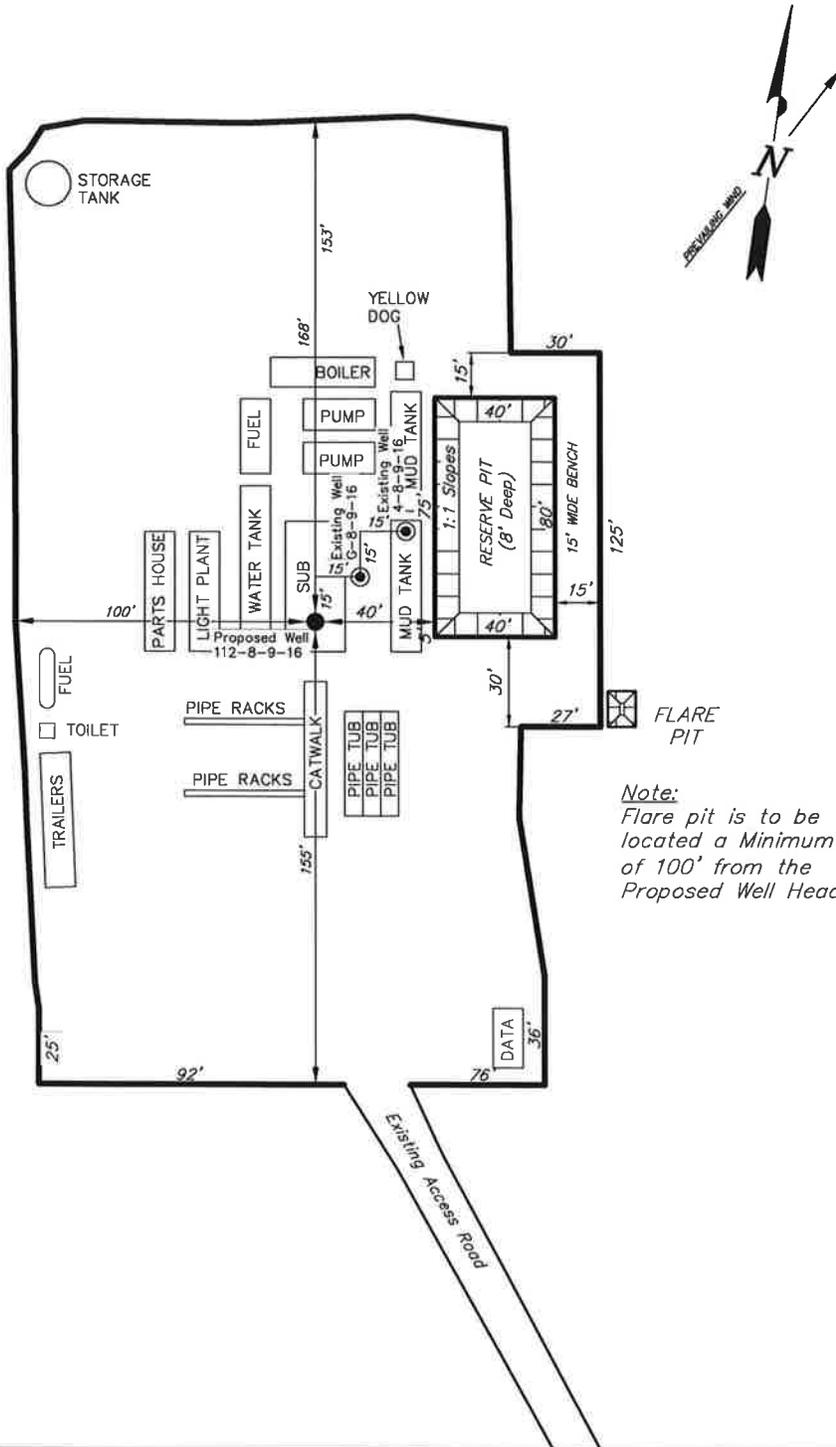
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT EXISTING 4-8-9-16 PAD PROPOSED WELL: 112-8-9-16

Pad Location: NWNW Section 8, T9S, R16E, S.L.B.&M.



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

SURVEYED BY: Q.M.	DATE SURVEYED: 07-31-13	VERSION:	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 08-13-13	V1		
SCALE: 1" = 60'	REVISED:			

NEWFIELD EXPLORATION COMPANY

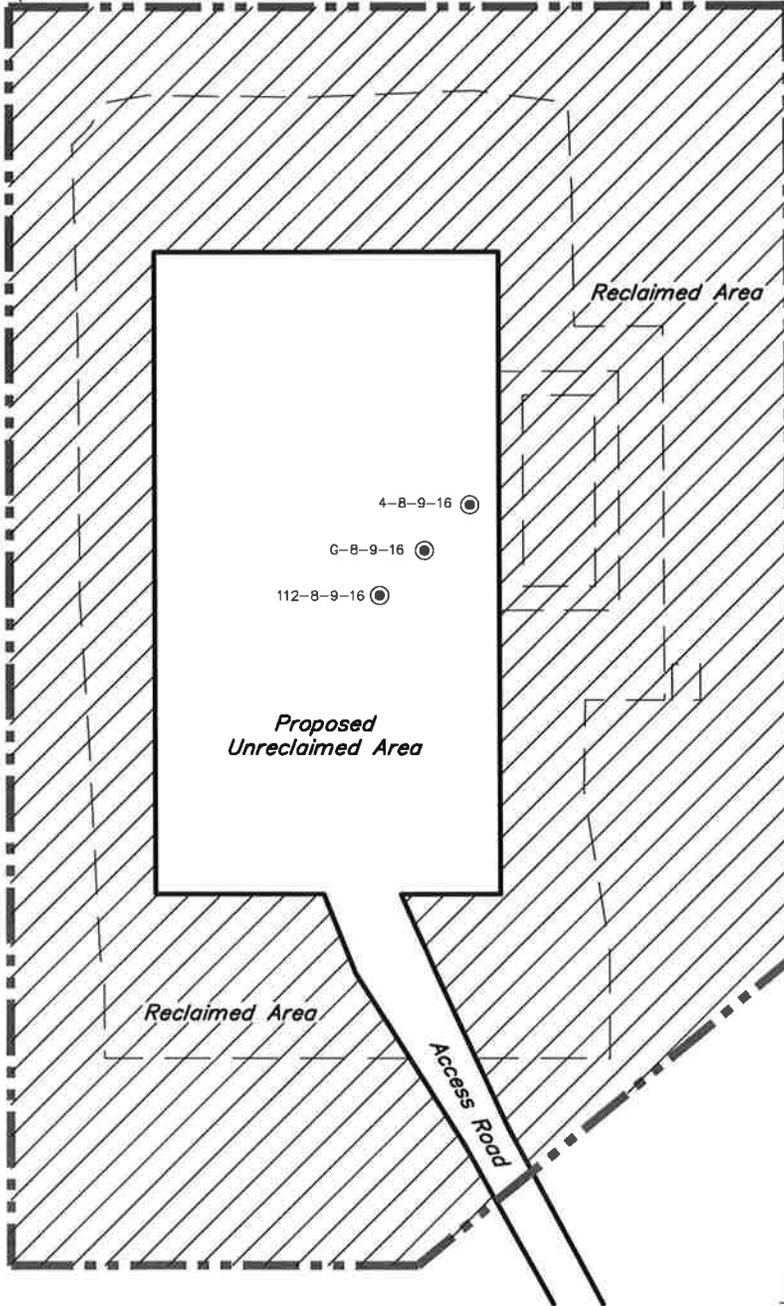
RECLAMATION LAYOUT

EXISTING 4-8-9-16 PAD

PROPOSED WELL: 112-8-9-16

Pad Location: NWNW Section 8, T9S, R16E, S.L.B.&M.

DISTURBANCE
BOUNDARY



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 = ±2.37 ACRES
 TOTAL RECLAIMED AREA = ±1.75 ACRES
 UNRECLAIMED AREA = ±0.62 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 07-31-13	VERSION:	V1
DRAWN BY: F.T.M.	DATE DRAWN: 08-13-13		
SCALE: 1" = 60'	REVISED:		

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

NEWFIELD EXPLORATION COMPANY

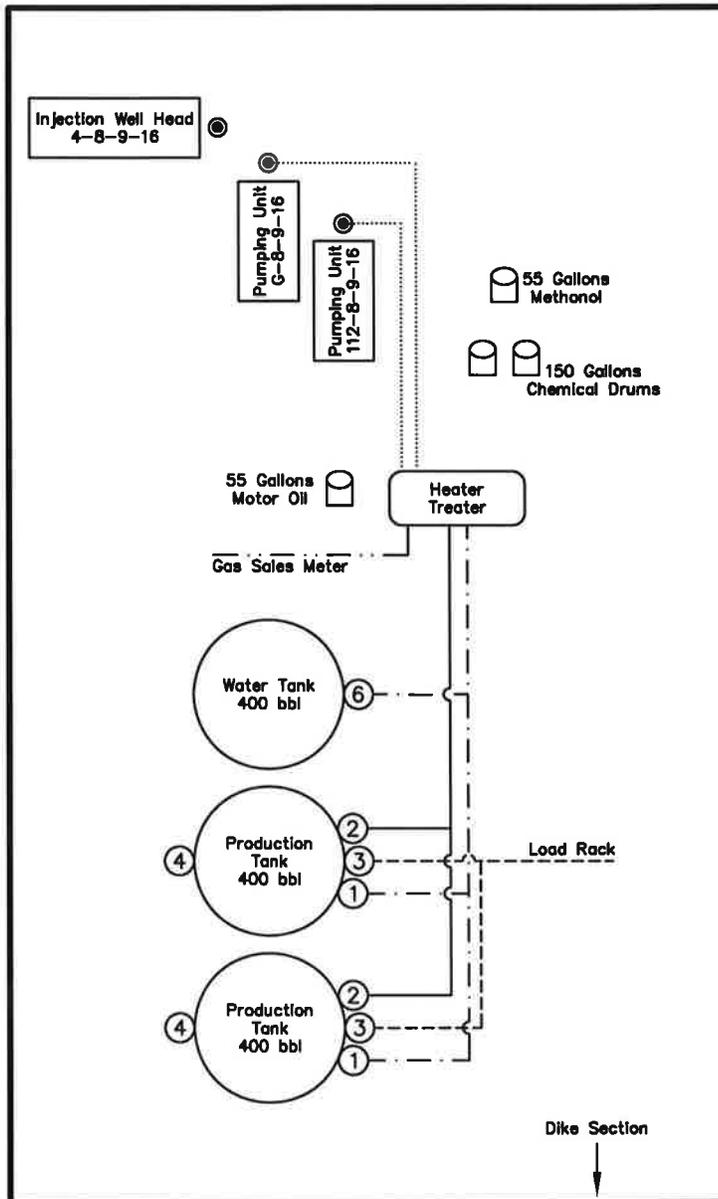
PROPOSED SITE FACILITY DIAGRAM

4-8-9-16 PAD

G-8-9-16 UTU-74390

112-8-9-16 UTU-74390

*Pad Location: NWNW Section 8, T9S, R16E, S.L.B.&M.
Duchesne County, Utah*



Legend

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

NOT TO SCALE

SURVEYED BY: Q.M.	DATE SURVEYED: 07-31-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 08-13-13	V1
SCALE: NONE	REVISED:	

(435) 781-2501

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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)

November 18, 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 Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
Proposed PZ GREEN RIVER)		
43-013-52642	GMBU 103-5-9-16	Sec 05 T09S R16E 0681 FNL 2052 FWL
	BHL	Sec 32 T08S R16E 0116 FSL 1972 FWL
43-013-52654	GMBU 10-9-9-16	Sec 09 T09S R16E 1755 FSL 1989 FEL
	BHL	Sec 09 T09S R16E 1755 FSL 1989 FEL
43-013-52660	GMBU P-22-8-17	Sec 21 T08S R17E 1759 FSL 0477 FEL
	BHL	Sec 22 T08S R17E 1028 FSL 0073 FWL
43-013-52661	GMBU N-21-8-17	Sec 21 T08S R17E 2182 FNL 2178 FWL
	BHL	Sec 21 T08S R17E 2463 FSL 1122 FWL
43-013-52662	GMBU M-21-8-17	Sec 21 T08S R17E 2201 FNL 2187 FWL
	BHL	Sec 21 T08S R17E 2437 FSL 2442 FEL
43-013-52668	GMBU 125-7-9-16	Sec 07 T09S R16E 1979 FSL 0620 FEL
	BHL	Sec 07 T09S R16E 1023 FSL 0714 FEL
43-013-52670	GMBU 108-18-9-16	Sec 17 T09S R16E 0565 FNL 0661 FWL
	BHL	Sec 18 T09S R16E 0481 FNL 0020 FEL
43-013-52671	GMBU 126-8-9-17	Sec 08 T09S R17E 0621 FSL 1989 FEL
	BHL	Sec 08 T09S R17E 1307 FSL 1958 FEL
43-013-52672	GMBU 112-8-9-16	Sec 08 T09S R16E 1002 FNL 0778 FWL
	BHL	Sec 08 T09S R16E 1647 FNL 0714 FWL
43-013-52673	GMBU 119-4-9-16	Sec 04 T09S R16E 2011 FNL 1953 FWL
	BHL	Sec 04 T09S R16E 2444 FSL 1934 FWL

RECEIVED: November 19, 2013

API #	WELL NAME	LOCATION
Proposed PZ GREEN RIVER)		
43-013-52674	GMBU 123-8-9-17	Sec 08 T09S R17E 1916 FSL 0716 FEL BHL Sec 08 T09S R17E 1906 FSL 1421 FEL
43-013-52675	GMBU 126-5-9-16	Sec 05 T09S R16E 1754 FSL 2024 FEL BHL Sec 05 T09S R16E 1048 FSL 2035 FEL
43-013-52676	GMBU 118-8-9-17	Sec 08 T09S R17E 1973 FNL 1960 FEL BHL Sec 08 T09S R17E 2560 FSL 1978 FEL
43-013-52677	GMBU 118-5-9-16	Sec 05 T09S R16E 1775 FSL 2024 FEL BHL Sec 05 T09S R16E 2601 FNL 1786 FEL
43-013-52678	GMBU 101-8-9-17	Sec 05 T09S R17E 0550 FSL 0697 FEL BHL Sec 08 T09S R17E 0338 FNL 0715 FEL
43-013-52679	GMBU 132-5-9-17	Sec 05 T09S R17E 0545 FSL 0676 FEL BHL Sec 04 T09S R17E 0596 FSL 0073 FWL
43-013-52680	GMBU 110-10-9-16	Sec 10 T09S R16E 0677 FNL 2005 FEL BHL Sec 10 T09S R16E 1439 FNL 1966 FEL
43-013-52681	GMBU 102-8-9-16	Sec 08 T09S R16E 0541 FNL 2107 FEL BHL Sec 05 T09S R16E 0119 FSL 1687 FEL
43-013-52686	GMBU Q-26-8-16	Sec 26 T08S R16E 0653 FSL 0685 FWL BHL Sec 26 T08S R16E 1320 FSL 1320 FWL
43-047-54188	GMBU D-1-9-17	Sec 36 T08S R17E 0632 FSL 1967 FWL BHL Sec 01 T09S R17E 0331 FNL 1182 FWL
43-047-54189	GMBU Q-31-8-18	Sec 31 T08S R18E 2198 FSL 0508 FWL BHL Sec 31 T08S R18E 1118 FSL 1483 FWL
43-047-54191	GMBU E-1-9-17	Sec 35 T08S R17E 0710 FSL 0663 FEL BHL Sec 01 T09S R17E 0267 FNL 0251 FWL
43-047-54202	GMBU C-1-9-17	Sec 36 T08S R17E 0647 FSL 1983 FWL BHL Sec 01 T09S R17E 0216 FNL 2504 FEL

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

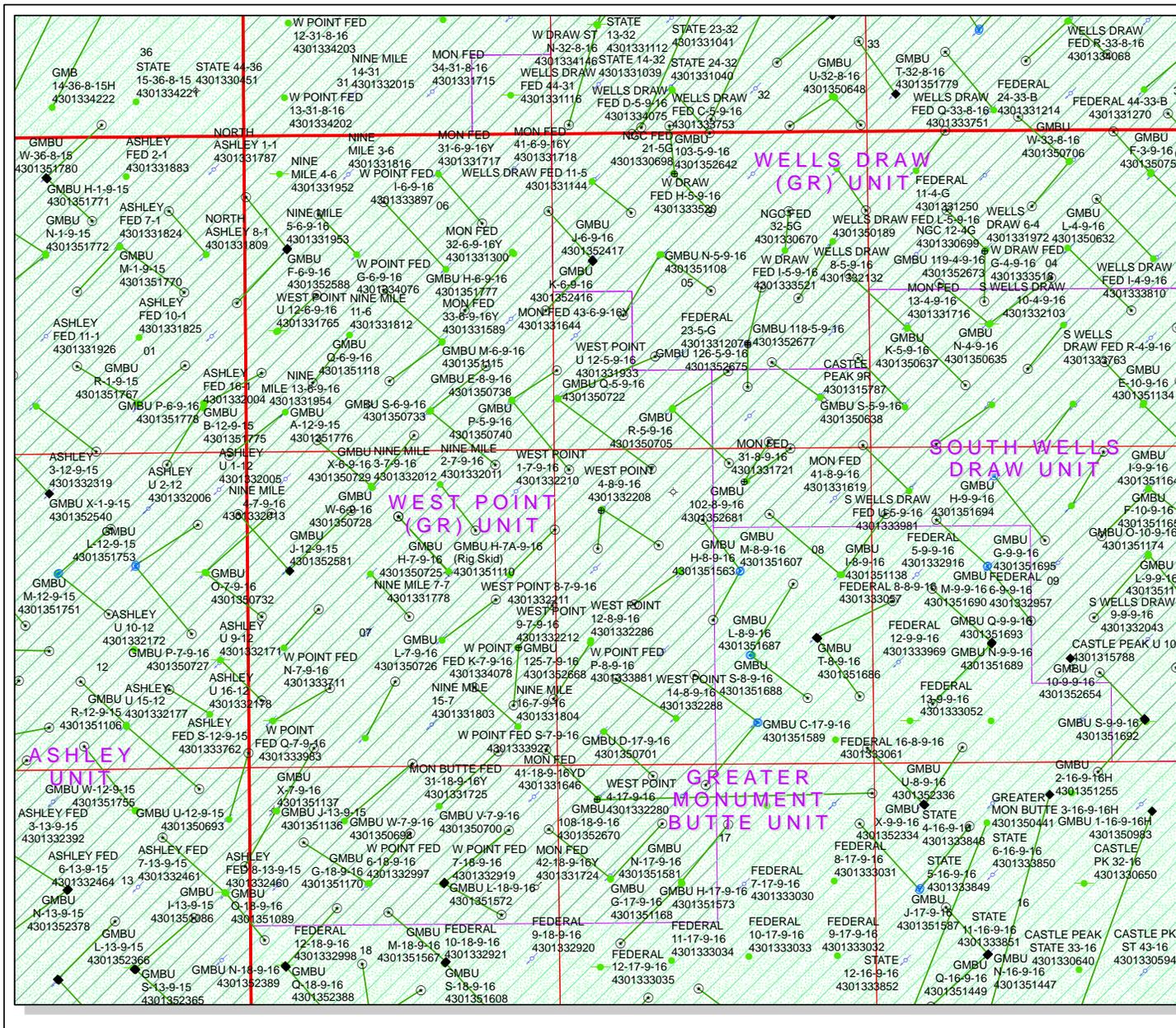
Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management,
ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.11.18 10:01:01 -0700

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

MCoulthard:mc:11-18-13

RECEIVED: November 19, 2013



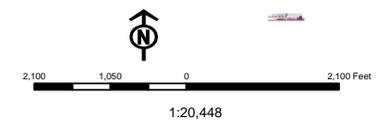
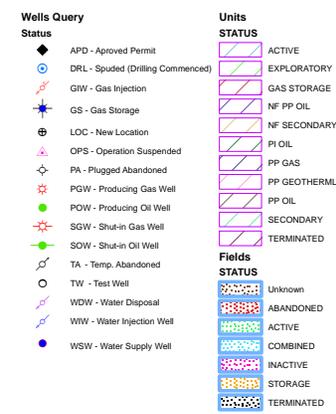
API Number: 4301352672

Well Name: GMBU 112-8-9-16

Township: T09.0S Range: R16.0E Section: 08 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 11/20/2013
Map Produced by Diana Mason



NEWFIELD



VIA ELECTRONIC DELIVERY

December 2, 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 112-8-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 8: NWNW (UTU-74390)
1002' FNL 778' FWL

At Target: T9S-R16E Section 8: SWNW (UTU-74390)
1647' FNL 714' 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 11/14/13, 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". The signature is written in a cursive, flowing style.

Leslie Burget
Land Associate

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU74390
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD EXPLORATION Contact: MANDIE CROZIER E-Mail: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU 112-8-9-16
3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNW 1002FNL 778FWL At proposed prod. zone SWNW 1647FNL 714FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 14.2 MILES SW OF MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 T9S R16E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1647'	16. No. of Acres in Lease 2037.20	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 392'	19. Proposed Depth 6194 MD 6155 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5940 GL	22. Approximate date work will start 03/31/2014	17. Spacing Unit dedicated to this well 10.00
		20. BLM/BIA Bond No. on file WYB000493
		23. Estimated duration 7 DAYS

24. Attachments

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

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 11/14/2013
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

Additional Operator Remarks (see next page)

**Electronic Submission #226847 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal**

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

API Well Number: 43013526720000

Additional Operator Remarks:

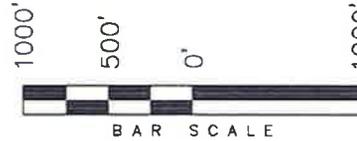
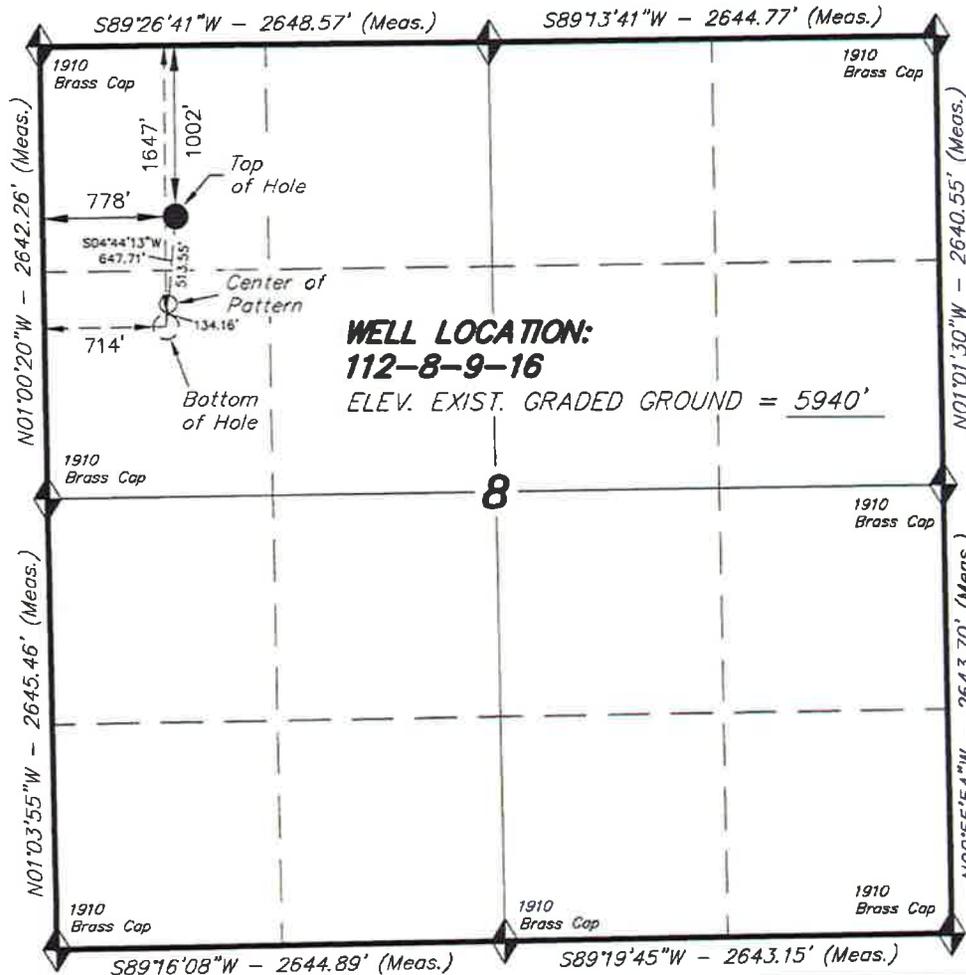
SURFACE LEASE: UTU-74390
BOTTOM HOLE LEASE: UTU-74390

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

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 112-8-9-16, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

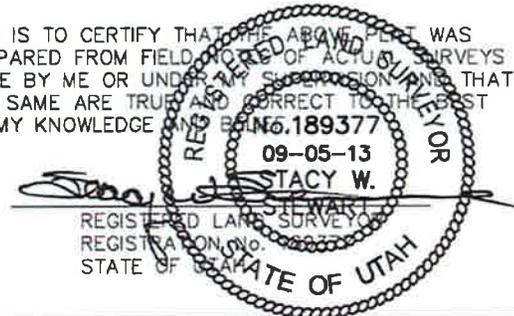
TARGET BOTTOM HOLE, 112-8-9-16, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 8, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 1514' FNL & 727' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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

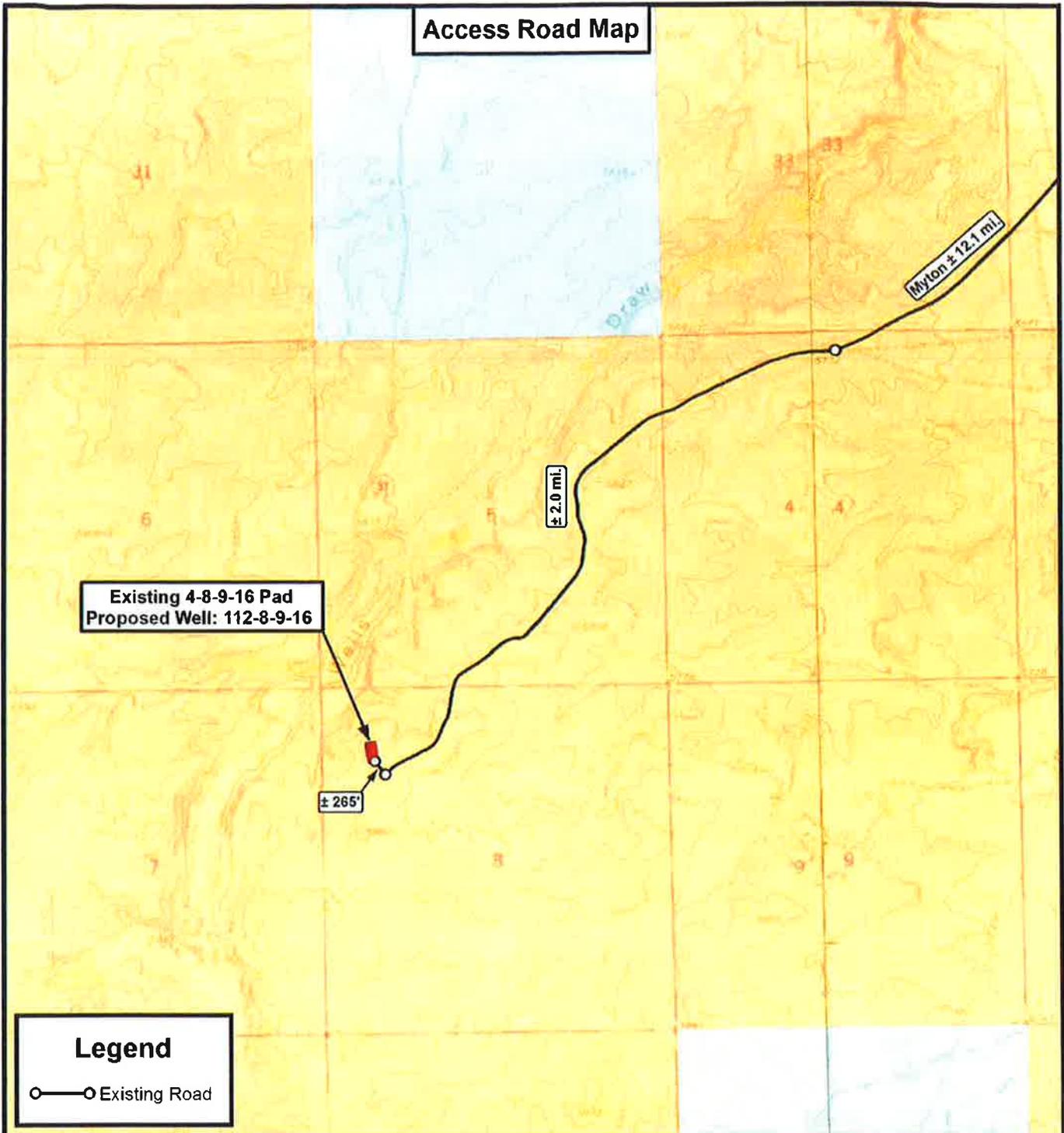
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°02'59.70"	
LONGITUDE = 110°08'59.64"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°02'59.84"	
LONGITUDE = 110°08'57.10"	
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'54.65"	LATITUDE = 40°02'53.33"
LONGITUDE = 110°08'00.29"	LONGITUDE = 110°08'00.46"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'54.79"	LATITUDE = 40°02'53.47"
LONGITUDE = 110°08'57.74"	LONGITUDE = 110°08'57.91"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 07-31-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 09-05-13	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	



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

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

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



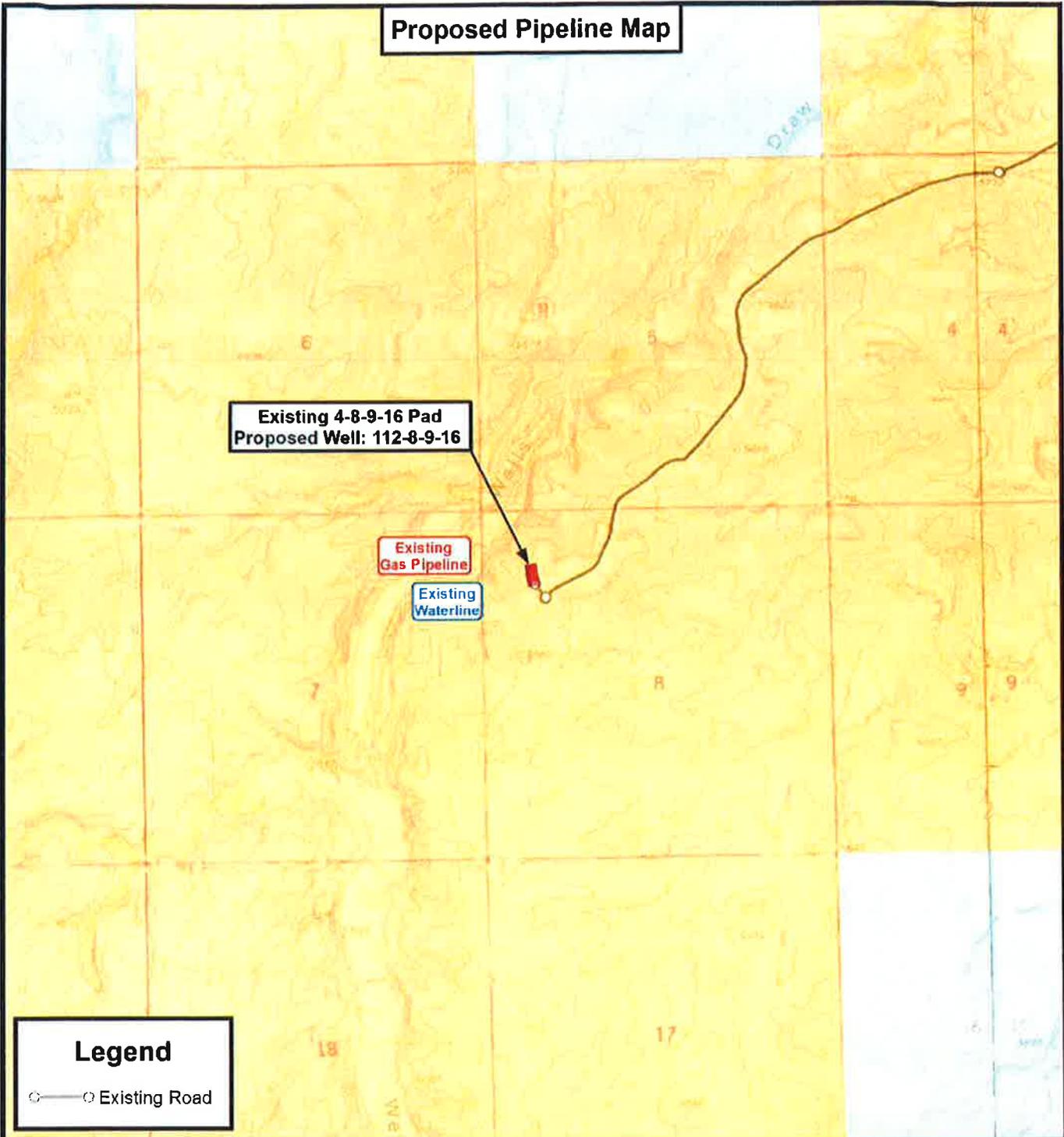
NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B



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

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

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



NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

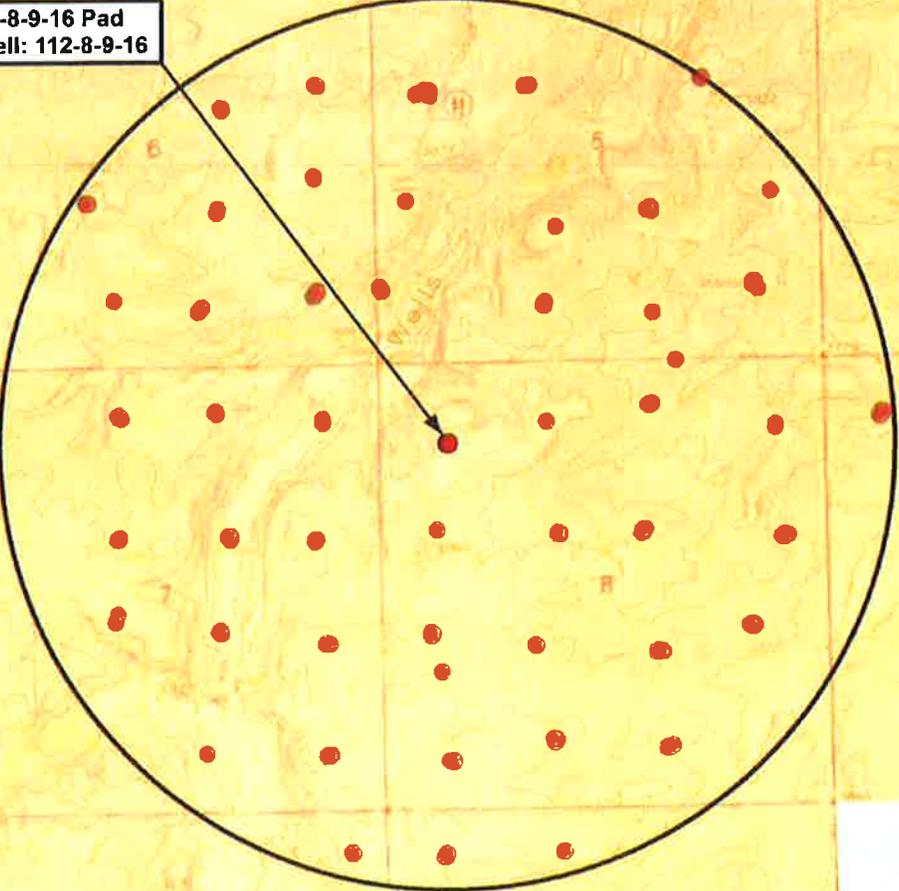
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16**



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.



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

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



NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-09-2013		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
4-8-9-16	Surface Hole	40° 03' 00.04" N	110° 08' 59.30" W
G-8-9-16	Surface Hole	40° 02' 59.87" N	110° 08' 59.48" W
112-8-9-16	Surface Hole	40° 02' 59.70" N	110° 08' 59.64" W
112-8-9-16	Center of Pattern	40° 02' 54.65" N	110° 09' 00.29" W
112-8-9-16	Bottom of Hole	40° 02' 53.33" N	110° 09' 00.46" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
4-8-9-16	Surface Hole	40.050010	110.149807
G-8-9-16	Surface Hole	40.049963	110.149854
112-8-9-16	Surface Hole	40.049918	110.149901
112-8-9-16	Center of Pattern	40.048515	110.150080
112-8-9-16	Bottom of Hole	40.048148	110.150127
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
4-8-9-16	Surface Hole	4433654.090	572519.734
G-8-9-16	Surface Hole	4433648.873	572515.725
112-8-9-16	Surface Hole	4433643.749	572511.788
112-8-9-16	Center of Pattern	4433487.920	572498.004
112-8-9-16	Bottom of Hole	4433447.211	572494.404
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
4-8-9-16	Surface Hole	40° 03' 00.17" N	110° 08' 56.76" W
G-8-9-16	Surface Hole	40° 03' 00.00" N	110° 08' 56.93" W
112-8-9-16	Surface Hole	40° 02' 59.84" N	110° 08' 57.10" W
112-8-9-16	Center of Pattern	40° 02' 54.79" N	110° 08' 57.74" W
112-8-9-16	Bottom of Hole	40° 02' 53.47" N	110° 08' 57.91" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
4-8-9-16	Surface Hole	40.050048	110.149099
G-8-9-16	Surface Hole	40.050001	110.149147
112-8-9-16	Surface Hole	40.049956	110.149194
112-8-9-16	Center of Pattern	40.048553	110.149373
112-8-9-16	Bottom of Hole	40.048186	110.149419



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

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

NEWFIELD EXPLORATION COMPANY

Existing 4-8-9-16 Pad
Proposed Well: 112-8-9-16
Sec. 8, T9S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED:	COORDINATE REPORT	SHEET
DATE: 09-09-2013			1
VERSION: V1			

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2013

API NO. ASSIGNED: 43013526720000

WELL NAME: GMBU 112-8-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NWNW 08 090S 160E

Permit Tech Review:

SURFACE: 1002 FNL 0778 FWL

Engineering Review:

BOTTOM: 1647 FNL 0714 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.04989

LONGITUDE: -110.14994

UTM SURF EASTINGS: 572509.00

NORTHINGS: 4433640.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74390

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingle Approved

LOCATION AND SITING:

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

Comments: Presite Completed

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



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. HAZA
Division Director

Permit To Drill

Well Name: GMBU 112-8-9-16

API Well Number: 43013526720000

Lease Number: UTU-74390

Surface Owner: FEDERAL

Approval Date: 12/3/2013

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74390
		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 112-8-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013526720000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1002 FNL 0778 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/5/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On 7/5/14 drill and set 10' of 14" conductor. Drill f/10' to 336' KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" casing set depth 321' KB. On 7/7/14 Cement w/Halliburton w/155 sx of 15.8# 1.19 yield class G Neat cement. Returned 7 bbls back to pit and bumped plug to 806 psi.

**Accepted by the
Utah Division of
Oil, Gas and Mining**
FOR RECORD ONLY
July 15, 2014

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 7/15/2014	

NEWFIELD

Casing

Conductor

Legal Well Name GMBU 112-8-9-16		Wellbore Name Original Hole	
API/UWI 43013526720000	Surface Legal Location NWNW 1002 FNL 778 FWL Sec 8 T9S R16E	Field Name GMBU CTB3	Well Type Development
Well RC 500376688	County Duchesne	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore	
Wellbore Name Original Hole	Kick Off Depth (ftKB)
Section Des	Size (in)
Conductor	14
Actual Top Depth (MD) (ftKB)	11
Actual Bottom Depth (MD) (ftKB)	21
Start Date	7/5/2014
End Date	7/5/2014

Wellhead			
Type	Install Date	Service	Comment

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing			
Casing Description Conductor	Set Depth (ftKB)	Run Date	Set Tension (kips)
	21	7/5/2014	
Centralizers	Scratchers		

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40	Welded	1	10.00	11.0	21.0			

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

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

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

NEWFIELD

Casing

Surface

Legal Well Name GMBU 112-8-9-16		Wellbore Name Original Hole			
API/UWI 43013526720000	Surface Legal Location NWNW 1002 FNL 778 FWL Sec 8 T9S R16E		Field Name GMBU CTB3	Well Type Development	Well Configuration Type Slant
Well RC 500376688	County Duchesne	State/Province Utah	Spud Date	Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	21	7/5/2014	7/5/2014
Vertical	12 1/4	21	336	7/5/2014	7/5/2014

Wellhead					
Type	Install Date	Service	Comment		

Wellhead Components					
Des	Make	Model	SN	WP Top (psi)	

Casing					
Casing Description Surface	Set Depth (ftKB)	321	Run Date	7/5/2014	Set Tension (kips)
Centralizers 3	Scratchers				

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.08	11.2	13.3			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	43.06	13.3	56.3			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	220.95	56.3	277.3			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	277.3	278.3			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	41.21	278.3	319.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	319.5	321.0			

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

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

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

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number GMBU 112-8-9-16
Well Name/Number GMBU 112-8-9-16
Qtr/Qtr NW/NW Section 8 Township 9S Range 16E
Lease Serial Number UTU-74390
API Number 43-013-52672

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

Date/Time 7/5/14 8:00 AM PM

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

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

Date/Time 7/5/14 3:00 AM PM

BOPE

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

Date/Time _____ _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1002 FNL 0778 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/7/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above well was placed on production on 08/07/2014 at 08:30 hours.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 19, 2014**

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 8/18/2014	

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

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

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 1002' FNL 778' FWL (NW/NW) SEC 8 T9S R16E (UTU-74390)

At top prod. interval reported below 1431' FNL 736' FWL (SW/NW) SEC 8 T9S R16E (UTU-74390)

At total depth 1660' FNL 713' FWL (SW/NW) SEC 8 T9S R16E (UTU-74390)

14. Date Spudded
07/05/2014

15. Date T.D. Reached
07/20/2014

16. Date Completed 08/06/2014
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5940' GL 5951' KB

18. Total Depth: MD 6354'
TVD 6317'

19. Plug Back T.D.: MD 6295'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	321'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6341'		240 Econocem		59'	
						415Expandacem			

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@6183'	TA@6027'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4277'	6023'	4277' - 6023' MD	0.34	78	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4277' - 6023' MD	Frac w/ 440,600#s of 20/40 white sand in 4,008 bbls of Lightning 17 fluid, in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/7/14	8/17/14	24	→	37	0	25			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	

28a. Production - Interval B

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

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

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

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

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK	3833'
				GARDEN GULCH 1	4056'
				GARDEN GULCH 2	4162'
				POINT 3	4429'
				X MRKR	4692'
				Y MRKR	4727'
				DOUGLAS CREEK MRK	4843'
				BI CARBONATE MRK	5076'
				B LIMESTONE MRK	5187'
				CASTLE PEAK	5732'
				BASAL CARBONATE	6197'
				WASATCH	6355'

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 08/19/2014

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



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 8 T9S, R16E
112-8-9-16
Wellbore #1**

Design: Actual

End of Well Report

20 July, 2014





Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16 @ 5951.0usft (SS # 2)
MD Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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

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

System Datum: Mean Sea Level

Site: SECTION 8 T9S, R16E, SEC 8 T9S, R16E

Site Position: Northing: 7,188,200.00 usft Latitude: 40° 2' 44.068 N
 From: Easting: 2,019,900.00 usft Longitude: 110° 8' 39.874 W
Position Uncertainty: Slot Radius: 13-3/16 " Grid Convergence: 0.87°

Well: 112-8-9-16, SHL: 40° 2' 59.700 -110° 8' 59.640

Well Position: +N/-S: 0.0 usft Northing: 7,189,758.25 usft Latitude: 40° 2' 59.700 N
 +E/-W: 0.0 usft Easting: 2,018,339.24 usft Longitude: 110° 8' 59.640 W
Position Uncertainty: Wellhead Elevation: 5,951.0 usft Ground Level: 5,940.0 usft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/5/2014	10.96	65.71	51.956

Design: Actual

Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	185.62

Survey Program From (usft) To (usft) Survey (Wellbore) Date 7/20/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
347.0	6,354.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16
MD Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
North Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	347.0	2.24	167.58	346.9	6.4	-6.6	1.5	0.65	0.65	0.00
	378.0	3.03	170.75	377.9	7.8	-8.0	1.7	2.59	2.55	10.23
	409.0	3.52	171.32	408.8	9.5	-9.8	2.0	1.58	1.58	1.84
	440.0	3.65	171.01	439.8	11.4	-11.7	2.3	0.42	0.42	-1.00
	471.0	3.47	177.82	470.7	13.3	-13.6	2.5	1.48	-0.58	21.97
	501.0	3.69	180.59	500.6	15.2	-15.5	2.5	0.93	0.73	9.23
	532.0	3.78	176.46	531.6	17.2	-17.5	2.6	0.91	0.29	-13.32
	563.0	3.82	179.09	562.5	19.2	-19.5	2.6	0.58	0.13	8.48
	594.0	3.82	179.09	593.4	21.2	-21.6	2.7	0.00	0.00	0.00
	624.0	3.87	182.70	623.4	23.2	-23.6	2.6	0.82	0.17	12.03
	655.0	4.04	190.26	654.3	25.4	-25.7	2.4	1.77	0.55	24.39
	686.0	4.44	195.13	685.2	27.7	-28.0	1.9	1.73	1.29	15.71
	717.0	4.44	200.54	716.1	30.0	-30.3	1.2	1.35	0.00	17.45
	748.0	4.57	200.63	747.0	32.3	-32.5	0.3	0.42	0.42	0.29
	778.0	4.31	197.20	776.9	34.6	-34.7	-0.5	1.24	-0.87	-11.43
	809.0	4.57	196.45	807.8	37.0	-37.0	-1.1	0.86	0.84	-2.42
	840.0	4.39	201.99	838.8	39.3	-39.3	-1.9	1.51	-0.58	17.87
	871.0	4.57	200.36	869.7	41.6	-41.6	-2.8	0.71	0.58	-5.26
	901.0	4.57	191.09	899.6	44.0	-43.9	-3.5	2.46	0.00	-30.90
	932.0	4.66	192.85	930.5	46.5	-46.3	-4.0	0.54	0.29	5.68
	963.0	4.75	193.16	961.4	49.0	-48.8	-4.6	0.30	0.29	1.00
	994.0	4.57	191.79	992.3	51.5	-51.2	-5.1	0.68	-0.58	-4.42
	1,024.0	4.75	190.74	1,022.2	53.9	-53.6	-5.6	0.66	0.60	-3.50
	1,068.0	5.19	186.48	1,066.0	57.7	-57.4	-6.1	1.30	1.00	-9.68
	1,112.0	4.94	185.21	1,109.8	61.6	-61.3	-6.5	0.62	-0.57	-2.89
	1,156.0	5.14	184.06	1,153.7	65.5	-65.1	-6.8	0.51	0.45	-2.61



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16 @ 5951.0usft (SS # 2)
MD Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	1,200.0	5.45	181.38	1,197.5	69.5	-69.2	-7.0	0.90	0.70	-6.09
	1,243.0	5.58	180.59	1,240.3	73.6	-73.3	-7.1	0.35	0.30	-1.84
	1,287.0	5.93	179.36	1,284.0	78.0	-77.7	-7.1	0.84	0.80	-2.80
	1,331.0	6.46	179.53	1,327.8	82.8	-82.5	-7.1	1.21	1.20	0.39
	1,375.0	6.50	180.72	1,371.5	87.7	-87.4	-7.1	0.32	0.09	2.70
	1,419.0	6.37	182.65	1,415.2	92.6	-92.4	-7.2	0.57	-0.30	4.39
	1,462.0	6.50	183.45	1,458.0	97.4	-97.2	-7.5	0.37	0.30	1.86
	1,506.0	6.72	177.82	1,501.7	102.5	-102.2	-7.5	1.55	0.50	-12.80
	1,550.0	6.50	176.24	1,545.4	107.5	-107.3	-7.3	0.65	-0.50	-3.59
	1,594.0	6.33	183.14	1,589.1	112.4	-112.2	-7.2	1.79	-0.39	15.68
	1,638.0	6.33	180.15	1,632.8	117.2	-117.0	-7.4	0.75	0.00	-6.80
	1,681.0	6.42	183.36	1,675.6	122.0	-121.8	-7.5	0.85	0.21	7.47
	1,725.0	6.50	185.60	1,719.3	126.9	-126.7	-7.9	0.60	0.18	5.09
	1,769.0	6.42	182.21	1,763.0	131.9	-131.7	-8.2	0.89	-0.18	-7.70
	1,813.0	6.33	181.76	1,806.7	136.7	-136.6	-8.4	0.23	-0.20	-1.02
	1,857.0	5.84	188.98	1,850.5	141.4	-141.2	-8.8	2.06	-1.11	16.41
	1,901.0	5.56	187.33	1,894.3	145.7	-145.5	-9.5	0.74	-0.64	-3.75
	1,944.0	6.13	190.53	1,937.0	150.1	-149.8	-10.1	1.53	1.33	7.44
	1,988.0	5.93	188.50	1,980.8	154.7	-154.4	-10.9	0.66	-0.45	-4.61
	2,032.0	5.63	188.37	2,024.6	159.2	-158.8	-11.6	0.68	-0.68	-0.30
	2,076.0	6.24	188.06	2,068.3	163.7	-163.3	-12.2	1.39	1.39	-0.70
	2,119.0	6.68	189.07	2,111.1	168.5	-168.1	-12.9	1.06	1.02	2.35
	2,163.0	6.20	191.71	2,154.8	173.4	-172.9	-13.8	1.28	-1.09	6.00
	2,207.0	6.64	189.20	2,198.5	178.3	-177.8	-14.7	1.19	1.00	-5.70
	2,251.0	6.15	186.87	2,242.2	183.2	-182.6	-15.4	1.26	-1.11	-5.30
	2,295.0	6.42	189.60	2,286.0	188.1	-187.4	-16.1	0.92	0.61	6.20
	2,338.0	6.28	191.27	2,328.7	192.8	-192.1	-16.9	0.54	-0.33	3.88



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16 @ 5951.0usft (SS #2)
MD Reference: 112-8-9-16 @ 5951.0usft (SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 112-8-9-16
 112-8-9-16 @ 5951.0usft (SS #2)
 112-8-9-16 @ 5951.0usft (SS #2)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	2,382.0	7.21	190.30	2,372.4	197.9	-197.1	-17.9	2.13	2.11	-2.20
	2,427.0	7.38	190.92	2,417.0	203.6	-202.7	-19.0	0.42	0.38	1.38
	2,470.0	7.03	188.63	2,459.7	209.0	-208.1	-19.9	1.05	-0.81	-5.33
	2,514.0	7.03	188.63	2,503.4	214.4	-213.4	-20.7	0.00	0.00	0.00
	2,558.0	6.94	184.63	2,547.0	219.7	-218.7	-21.3	1.12	-0.20	-9.09
	2,602.0	7.12	183.62	2,590.7	225.1	-224.1	-21.7	0.50	0.41	-2.30
	2,646.0	7.29	184.81	2,634.4	230.6	-229.6	-22.1	0.51	0.39	2.70
	2,690.0	7.12	184.50	2,678.0	236.1	-235.1	-22.5	0.40	-0.39	-0.70
	2,733.0	6.77	182.30	2,720.7	241.3	-240.3	-22.9	1.02	-0.81	-5.12
	2,777.0	6.86	179.93	2,764.4	246.5	-245.5	-23.0	0.67	0.20	-5.39
	2,821.0	7.03	181.82	2,808.1	251.8	-250.8	-23.0	0.65	0.39	4.30
	2,865.0	7.29	181.69	2,851.7	257.3	-256.3	-23.2	0.59	0.59	-0.30
	2,909.0	7.34	180.81	2,895.4	262.9	-261.9	-23.3	0.28	0.11	-2.00
	2,953.0	8.17	182.92	2,939.0	268.8	-267.8	-23.5	1.99	1.89	4.80
	2,997.0	8.09	184.37	2,982.5	275.0	-274.0	-23.9	0.50	-0.18	3.30
	3,040.0	7.56	187.00	3,025.1	280.9	-279.8	-24.5	1.49	-1.23	6.12
	3,084.0	7.43	191.53	3,068.7	286.6	-285.5	-25.4	1.37	-0.30	10.30
	3,128.0	7.09	189.18	3,112.4	292.2	-291.0	-26.4	1.03	-0.77	-5.34
	3,172.0	7.65	190.21	3,156.0	297.8	-296.5	-27.4	1.31	1.27	2.34
	3,216.0	7.43	191.14	3,199.7	303.5	-302.2	-28.4	0.57	-0.50	2.11
	3,260.0	6.90	186.70	3,243.3	309.0	-307.6	-29.3	1.74	-1.20	-10.09
	3,303.0	6.68	189.20	3,286.0	314.1	-312.7	-30.0	0.86	-0.51	5.81
	3,347.0	6.94	187.40	3,329.7	319.3	-317.8	-30.8	0.76	0.59	-4.09
	3,391.0	7.03	186.39	3,373.4	324.7	-323.1	-31.4	0.35	0.20	-2.30
	3,435.0	6.55	186.04	3,417.1	329.9	-328.3	-32.0	1.09	-1.09	-0.80
	3,479.0	6.68	182.48	3,460.8	334.9	-333.4	-32.3	0.98	0.30	-8.09
	3,522.0	6.90	184.19	3,503.5	340.0	-338.4	-32.6	0.69	0.51	3.98



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
 Well 112-8-9-16
 112-8-9-16 @ 5951.0usft (SS #2)
 112-8-9-16 @ 5951.0usft (SS #2)
TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	3,566.0	7.17	181.53	3,547.1	345.4	-343.8	-32.9	0.96	0.61	-6.05
	3,610.0	7.12	178.26	3,590.8	350.8	-349.3	-32.9	0.93	-0.11	-7.43
	3,654.0	6.81	178.04	3,634.5	356.1	-354.6	-32.7	0.71	-0.70	-0.50
	3,697.0	6.86	180.50	3,677.2	361.2	-359.7	-32.7	0.69	0.12	5.72
	3,741.0	6.72	179.89	3,720.9	366.4	-364.9	-32.7	0.36	-0.32	-1.39
	3,785.0	6.90	179.05	3,764.5	371.6	-370.2	-32.6	0.47	0.41	-1.91
	3,829.0	7.34	182.23	3,808.2	377.0	-375.6	-32.7	1.34	1.00	7.23
	3,871.0	7.47	185.82	3,849.9	382.4	-381.0	-33.1	1.14	0.31	8.55
	3,915.0	7.16	185.64	3,893.5	388.0	-386.6	-33.6	0.71	-0.70	-0.41
	3,959.0	6.94	189.29	3,937.2	393.4	-391.9	-34.3	1.13	-0.50	8.30
	4,002.0	6.90	188.19	3,979.9	398.6	-397.1	-35.1	0.32	-0.09	-2.56
	4,046.0	7.12	191.71	4,023.5	403.9	-402.3	-36.0	1.10	0.50	8.00
	4,090.0	7.12	191.14	4,067.2	409.4	-407.7	-37.1	0.16	0.00	-1.30
	4,134.0	7.34	191.97	4,110.8	414.9	-413.1	-38.2	0.55	0.50	1.89
	4,178.0	7.16	194.61	4,154.5	420.4	-418.5	-39.5	0.86	-0.41	6.00
	4,221.0	7.29	196.01	4,197.1	425.7	-423.7	-40.9	0.51	0.30	3.26
	4,265.0	7.05	192.39	4,240.8	431.1	-429.0	-42.3	1.16	-0.55	-8.23
	4,309.0	7.43	192.76	4,284.4	436.6	-434.5	-43.5	0.87	0.86	0.84
	4,353.0	7.38	190.08	4,328.1	442.3	-440.0	-44.6	0.79	-0.11	-6.09
	4,397.0	7.69	193.20	4,371.7	448.0	-445.7	-45.8	1.17	0.70	7.09
	4,440.0	7.65	191.18	4,414.3	453.7	-451.3	-47.0	0.63	-0.09	-4.70
	4,484.0	7.21	192.85	4,457.9	459.4	-456.8	-48.2	1.11	-1.00	3.80
	4,528.0	6.59	191.09	4,501.6	464.6	-462.0	-49.3	1.49	-1.41	-4.00
	4,572.0	6.37	192.19	4,545.3	469.6	-466.9	-50.3	0.57	-0.50	2.50
	4,616.0	6.64	194.78	4,589.1	474.5	-471.7	-51.4	0.91	0.61	5.89
	4,660.0	6.99	190.55	4,632.8	479.7	-476.8	-52.6	1.39	0.80	-9.61
	4,703.0	6.99	190.92	4,675.4	484.9	-482.0	-53.6	0.10	0.00	0.86



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16
MD Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 112-8-9-16
 112-8-9-16 @ 5951.0usft (SS # 2)
 112-8-9-16 @ 5951.0usft (SS # 2)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	4,747.0	6.69	187.29	4,719.1	490.1	-487.1	-54.4	1.20	-0.68	-8.25
	4,791.0	6.46	190.39	4,762.8	495.1	-492.1	-55.2	0.96	-0.52	7.05
	4,835.0	6.46	191.40	4,806.5	500.1	-497.0	-56.1	0.26	0.00	2.30
	4,879.0	6.38	190.63	4,850.3	505.0	-501.8	-57.0	0.27	-0.18	-1.75
	4,923.0	6.55	187.66	4,894.0	509.9	-506.7	-57.8	0.85	0.39	-6.75
	4,966.0	6.15	184.32	4,936.7	514.7	-511.4	-58.3	1.27	-0.93	-7.77
	5,010.0	6.28	186.17	4,980.5	519.4	-516.1	-58.8	0.54	0.30	4.20
	5,054.0	6.15	183.40	5,024.2	524.2	-520.9	-59.2	0.74	-0.30	-6.30
	5,098.0	6.15	184.81	5,068.0	528.9	-525.6	-59.5	0.34	0.00	3.20
	5,142.0	6.20	188.19	5,111.7	533.6	-530.3	-60.0	0.83	0.11	7.68
	5,186.0	5.98	188.32	5,155.5	538.3	-534.9	-60.7	0.50	-0.50	0.30
	5,229.0	5.84	189.07	5,198.2	542.7	-539.3	-61.4	0.37	-0.33	1.74
	5,273.0	5.93	188.06	5,242.0	547.2	-543.8	-62.0	0.31	0.20	-2.30
	5,317.0	6.42	188.72	5,285.7	551.9	-548.4	-62.7	1.13	1.11	1.50
	5,361.0	6.06	187.40	5,329.5	556.7	-553.2	-63.4	0.88	-0.82	-3.00
	5,405.0	6.59	181.03	5,373.2	561.6	-558.0	-63.7	2.00	1.20	-14.48
	5,448.0	6.86	175.49	5,415.9	566.5	-563.0	-63.6	1.63	0.63	-12.88
	5,492.0	6.78	170.01	5,459.6	571.6	-568.2	-62.9	1.49	-0.18	-12.45
	5,536.0	6.68	166.61	5,503.3	576.6	-573.2	-61.9	0.93	-0.23	-7.73
	5,580.0	6.59	163.32	5,547.0	581.3	-578.2	-60.6	0.89	-0.20	-7.48
	5,624.0	6.90	170.75	5,590.7	586.2	-583.2	-59.4	2.10	0.70	16.89
	5,667.0	7.21	178.13	5,633.4	591.4	-588.4	-58.9	2.23	0.72	17.16
	5,711.0	6.68	177.12	5,677.1	596.6	-593.7	-58.7	1.24	-1.20	-2.30
	5,755.0	6.64	176.06	5,720.8	601.7	-598.8	-58.4	0.29	-0.09	-2.41
	5,799.0	6.59	180.24	5,764.5	606.7	-603.9	-58.2	1.10	-0.11	9.50
	5,843.0	6.77	180.46	5,808.2	611.8	-609.0	-58.3	0.41	0.41	0.50
	5,887.0	6.77	184.85	5,851.9	617.0	-614.2	-58.5	1.18	0.00	9.98



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 8 T9S, R16E
Well: 112-8-9-16
Wellbore: Wellbore #1
Design: Actual

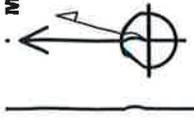
Local Co-ordinate Reference:
TVD Reference: Well 112-8-9-16
MD Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
North Reference: 112-8-9-16 @ 5951.0usft (SS # 2)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	5,930.0	6.24	186.70	5,894.6	621.8	-619.0	-59.0	1.33	-1.23	4.30
	5,974.0	6.15	189.38	5,938.3	626.6	-623.7	-59.7	0.69	-0.20	6.09
	6,018.0	5.71	189.82	5,982.1	631.1	-628.2	-60.4	1.01	-1.00	1.00
	6,062.0	5.67	190.43	6,025.9	635.5	-632.5	-61.2	0.16	-0.09	1.39
	6,106.0	5.75	188.34	6,069.7	639.8	-636.8	-61.9	0.51	0.18	-4.75
	6,149.0	5.41	188.94	6,112.5	644.0	-641.0	-62.5	0.80	-0.79	1.40
	6,193.0	4.92	191.09	6,156.3	648.0	-644.9	-63.2	1.20	-1.11	4.89
	6,237.0	4.97	187.00	6,200.1	651.7	-648.6	-63.8	0.81	0.11	-9.30
	6,294.0	4.26	185.73	6,256.9	656.3	-653.2	-64.3	1.26	-1.25	-2.23
	6,354.0	4.26	185.73	6,316.8	660.8	-657.6	-64.8	0.00	0.00	0.00

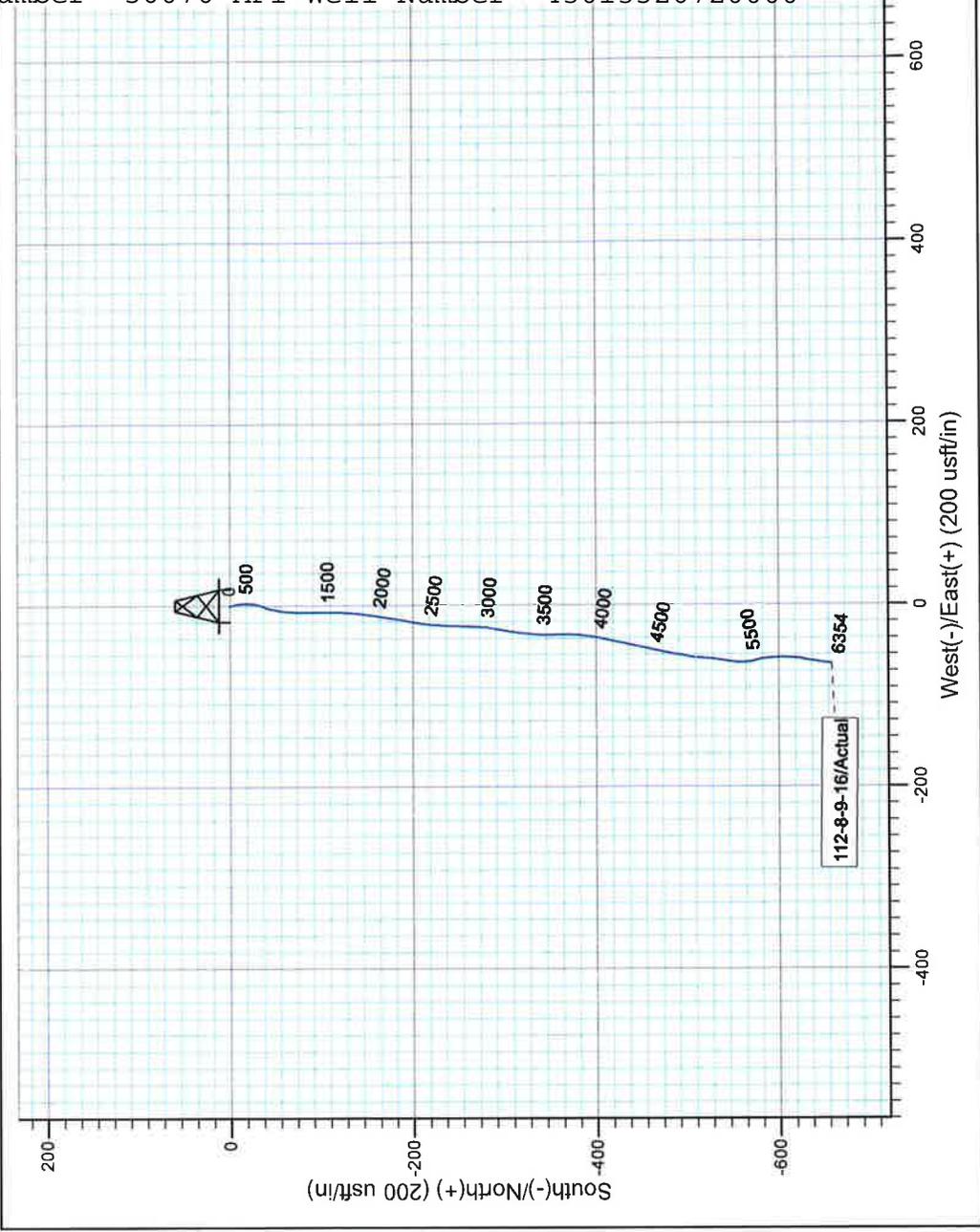
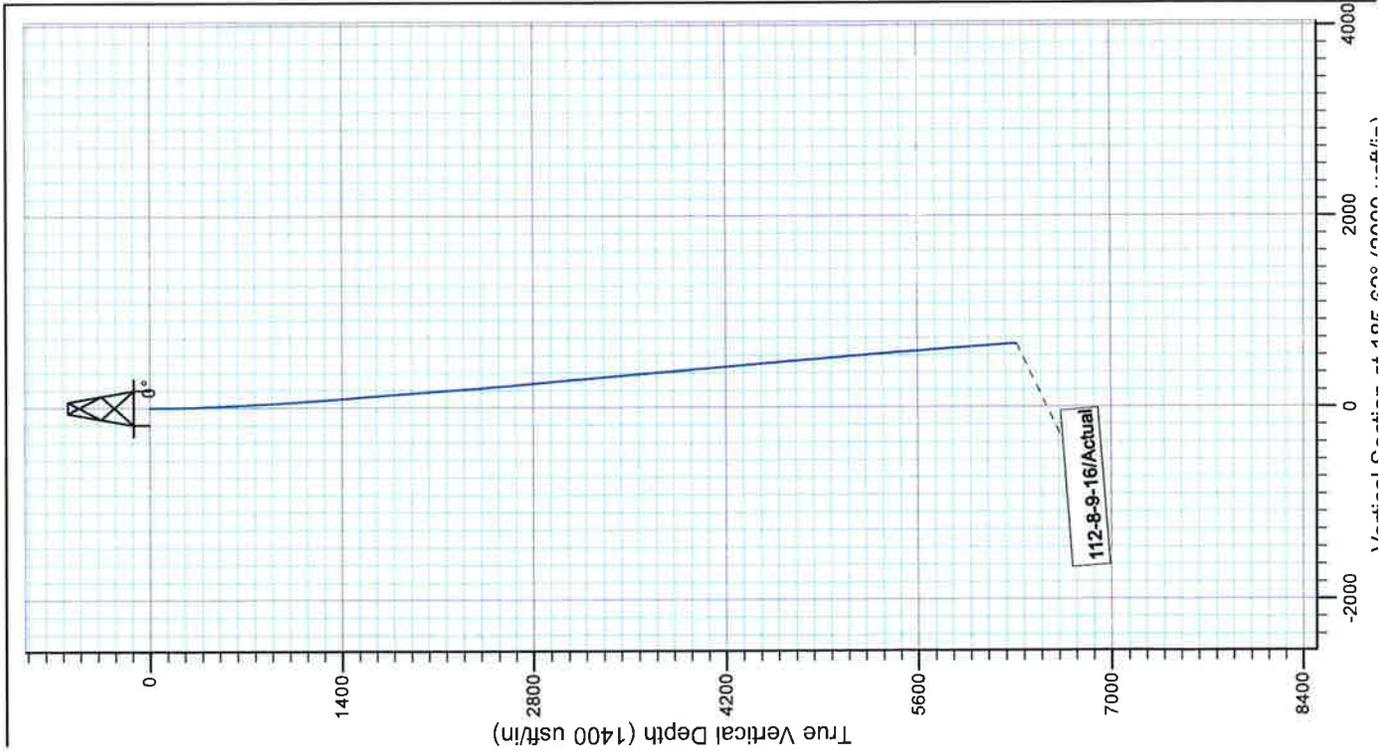
Checked By: _____ Approved By: _____ Date: _____



Project: USGS Myron SW (U1)
 Site: SECTION 8 T9S, R16E
 Well: 112-8-9-16
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 10.96°
 Magnetic Field
 Strength: 51955.9snT
 Dip Angle: 65.71°
 Date: 7/5/2014
 Model: IGRF2010



Design: Actual (112-8-9-16/Wellbore #1)

Created By: *Matthew Limbon* Date: 20:29, July 20 20

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



Well Name: GMBU 112-8-9-16

Summary Rig Activity

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
8/1/2014	8/2/2014	Run CBL, test csg/BOPS/vlvs and perf stg 1.
Start Time	End Time	Comment
06:00	12:30	Shut Down for Night
Start Time	End Time	Comment
12:30	12:45	Safety Meeting
Start Time	End Time	Comment
12:45	13:00	MIRUWLT, crane and pressure equipment.
Start Time	End Time	Comment
13:00	14:30	Run CBL Log. ECT @ 59'. Depth logger 6257'.
Start Time	End Time	Comment
14:30	16:30	Pressure test csg to 4300 psi for 30 min. Test each component of the well control stack w/ low test of 250-300 psi for 5 min & high test of 4300 psi for 10 min.
Start Time	End Time	Comment
16:30	17:30	(Perforate stage 1) MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 2 spf) Perforate CP-4, CP-2, CP-1 and CP-Half sands @ 6019-23', 5841-43', 5821-23', 5779-80', and 5763-64'. (20-Holes)
Start Time	End Time	Comment
17:30	06:00	Shut Down for Night

Frac stages 1-4. FB to pit.

Report Start Date	Report End Date	24hr Activity Summary
8/4/2014	8/5/2014	Frac stages 1-4. FB to pit.
Start Time	End Time	Comment
00:00	05:00	Shut Down for Night
Start Time	End Time	Comment
05:00	05:15	Safety Meeting
Start Time	End Time	Comment
05:15	08:15	MIRU Frac equipment.
Start Time	End Time	Comment
08:15	08:45	(Stg #1 17# Frac) (CP-4, CP-2, CP-1, CP-.5) Press test lines to 4800 psi. Open well w/ 229 psi. Break down formation w/ 2.0 bbls 1% KCL @ 2.0 bpm @ 2176 psi. Bring rate to 31 bpm while bullheading 12 bbls 15% HCL & shut down (ISDP 1772 psi, F.G. .74). Frac well w/ 672.3 bbls 17# gel fld. Pumped 54.600# 20/40 white sand in formation, ISIP 1903 psi, F.G. .74, Max press 3424 psi. Avg press 2649 psi. Max rate 42.7, Avg rate 38.8 bpm, (5-min 1780 psi, 10-min 1742 psi, 15-min 1714 psi) Tot pumped 712.3, TFTR 849.5
Start Time	End Time	Comment
08:45	10:00	(Stg #2), RU The Perforators wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 5610'. Perforate LODC and A1 sands @ 5536-38', 5512-14', 5499-00', 5478-80', 5448-49', 5426-27', 5398-00', 5379-81', 5340-41', 5278-79', and 5273-74' (33-Holes), POOH RD wireline, SWI
Start Time	End Time	Comment
10:00	10:15	(Stg #2 17# Frac) (LODC, A1), RU Nabors frac equipment. Press test lines to 4800 psi. Open well w/ 1241 psi. Break down formation w/ 1.9 bbls 1% KCL fld @ 2.9 bpm @ 1406 psi. Caught 80% of rate and then shutdown. (ISDP: 1819, Fg. .77)
Start Time	End Time	Comment
10:15	10:30	Shut down due to PH lvl rising causing the gell not to cross. Waiting for the engineer to figure out what the problem is. Started back up into frac. Took 318 bbls to get a good cross sample.
Start Time	End Time	Comment
10:30	12:00	Frac well w/ bbls 17# gel fld. Pumped ttl of 269,566# of sand into formation; 241,646# WHH and 27920# resin, ISIP 3003 psi, F.G. .99, Max press 3914 psi. Avg press 2885 psi. Max rate 46.4, Avg rate 32.9, (5-min psi 2544, 10-min 2351 psi, 15-min 2205 psi) Tot pumped 2793.6, TFTR 3643.1



Well Name: GMBU 112-8-9-16

Summary Rig Activity

Start Time	12:00	End Time	12:45	Comment
Start Time	12:45	End Time	13:15	Comment
Start Time	13:15	End Time	14:15	Comment
Start Time	14:15	End Time	14:45	Comment
Start Time	14:45	End Time	19:30	Comment
Start Time	19:30	End Time	19:45	Comment
Start Time	19:45	End Time	00:00	Comment
Report Start Date	8/5/2014	Report End Date	8/6/2014	24hr Activity Summary
Start Time	00:00	End Time	06:30	Comment
Start Time	06:30	End Time	07:00	Comment
Start Time	07:00	End Time	11:00	Comment
Start Time	11:00	End Time	13:00	Comment
Start Time	13:00	End Time	14:30	Comment
Start Time	14:30	End Time	15:15	Comment
Start Time	15:15	End Time	15:30	Comment
Start Time	15:30	End Time	18:30	Comment



Well Name: GMBU 112-8-9-16

Summary Rig Activity

Start Time	18:30	End Time	20:30	Comment
Start Time	20:30	End Time	21:00	ROLL HOLE 280 BBLs BEFORE WELL QUIT HEAVING IN SAND, LD 3 JNTS SWIFN EOT @ 5200'.
Start Time	21:00	End Time	00:00	Clean & Secure Lease
Report Start Date	8/6/2014	Report End Date	8/7/2014	Comment
24hr Activity Summary				
RIH to finish CO to PBTD @ 6295'. Circ hole clin and rnd trip for prod tbg. Land tbg, ND BOP, install WH, x-over and run pump and rods. Stroke test pump. Roll unit, hang head, and RDMOWOR.				
Start Time	00:00	End Time	06:30	Shut Down for Night
Start Time	06:30	End Time	07:00	Safety Meeting
Start Time	07:00	End Time	08:00	TBG 450 PSI, CSG 525 PSI, OPEN UP TO FLOW, FLOWING BACK 80 BBLs BEFORE DYING OFF
Start Time	08:00	End Time	10:00	RIH TAGGING NO NEW FILL, CLEAN OUT 247' OF EXISTING FILL DWN TO PBTD @ 6295'.
Start Time	10:00	End Time	11:00	ROLL 140 BBLs, RETURNS CLEAN
Start Time	11:00	End Time	12:30	LD 10 TOTAL JNTS ON RACKS, POOH W/ 188 JNTS, LD BHA
Start Time	12:30	End Time	14:00	RIH W/ PERGE VALVE, 2 JNTS, #5 DESANDER, 4' SUB, 1 JNT, SN, 1 JNT, TAC, 184 MORE JNTS, ADDING 4' SUB TO STRING, SETTING TAC FROM WORKFLOOR W/ 18,000# PULLED INTO IT.
Start Time	14:00	End Time	15:00	RD WORKFLOOR, ND BOP, ND BLIND RAM, REMOVE 4' SUB FROM STRING, LAND TBG, NU WELLHEAD, 11KB, 184 JNTS, TAC @ 6024.77, 1 JNT, SN @ 6060.29, 1 JNT, 4' SUB, DESANDER, 2 JNTS, PERGE VALVE.
Start Time	15:00	End Time	18:00	X-O ROD EQUIPMENT, PU AND PRIME (WEATHERFORD), 2.5 X 1.75 X 24' RHAC PUMP DBL VALVE API/ CALIFORNIA, PU 28 7/8" 8PERS, 128 3/4" 4PERS, 84 7/8" 4PERS, SPACE OUT W/ 8, 6, 4, AND 2, PONIES, PU 30' X 1 1/2" POLISH ROD.
Start Time	18:00	End Time	18:30	STROKE UP TO 800 PSI, ROLL UNIT, HANG HEAD, NU UNIT
Start Time	18:30	End Time	19:30	RIG DWN, CLEAN UP LOCATION
Start Time	19:30	End Time	20:00	Clean & Secure Lease