

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 9-22-8-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-77233			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		2198 FSL 543 FEL		NESE	22	8.0 S	17.0 E	S		
Top of Uppermost Producing Zone		1960 FSL 725 FEL		NESE	22	8.0 S	17.0 E	S		
At Total Depth		1960 FSL 725 FEL		NESE	22	8.0 S	17.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 725			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1320			26. PROPOSED DEPTH MD: 6751 TVD: 6744				
27. ELEVATION - GROUND LEVEL 5119			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 - 6751	15.5	J-55 LT&C	8.3	Premium Lite High Strength	328	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 11/04/2014			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013532120000				APPROVAL  Permit Manager						

NEWFIELD EXPLORATION
GMBU 9-22-8-17
AT SURFACE: NE/SE SECTION 22, T8S R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1857'
Green River	1857'
Wasatch	6689'
Proposed TD	6751'(MD) 6744' (TVD)

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

Green River Formation (Oil) 1857' – 6689'

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 9-22-8-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,751'	15.5	J-55	LTC	4,810 2.24	4,040 1.88	217,000 2.07

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 9-22-8-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,751'	Prem Lite II w/ 10% gel + 3% KCl	328	30%	11.0	3.26
			1070			
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 Exploration 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:**

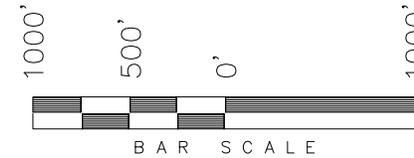
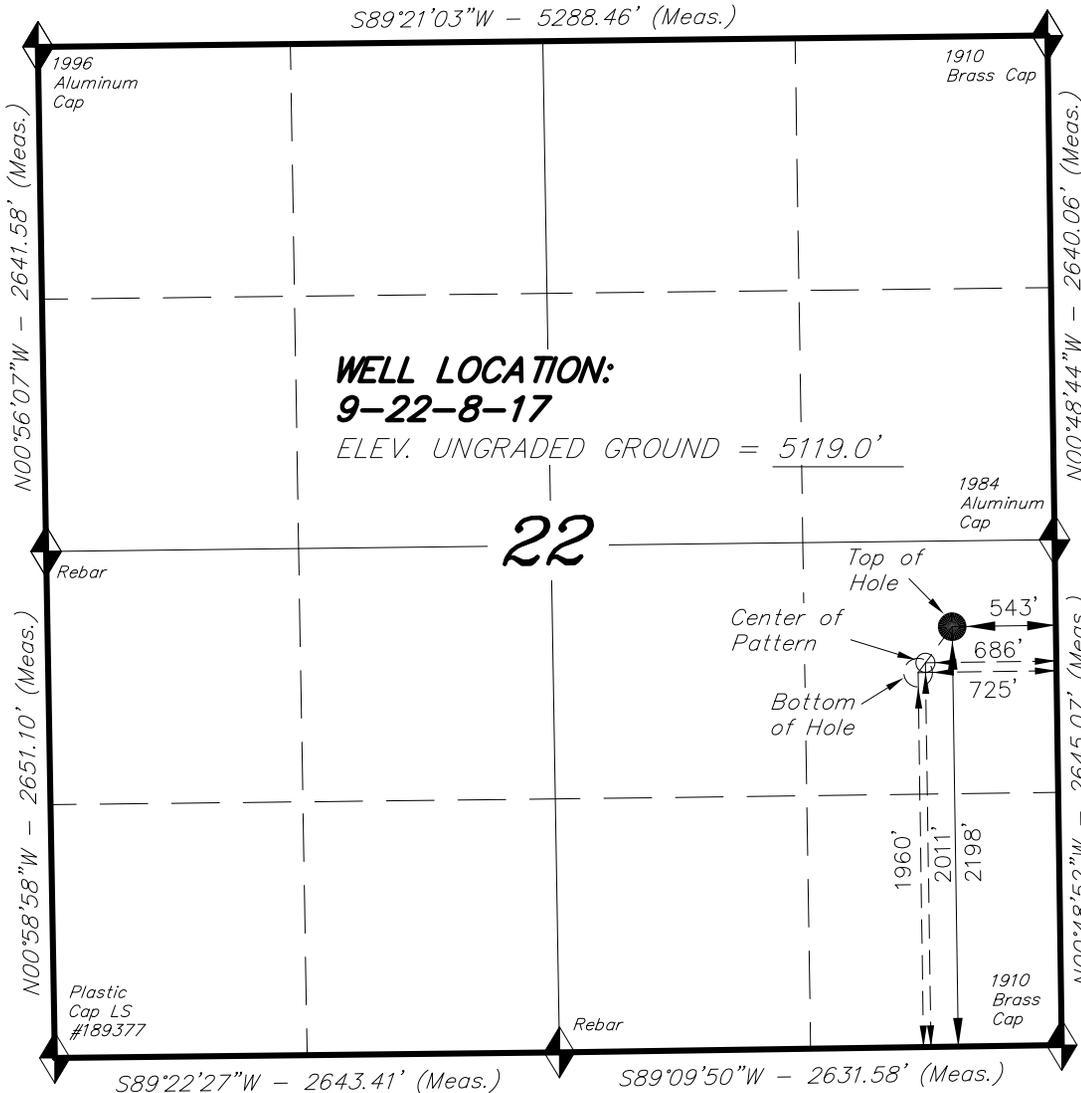
It is anticipated that the drilling operations will commence the first quarter of 2015, and take approximately seven (7) days from spud to rig release.

T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 9-22-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 22, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

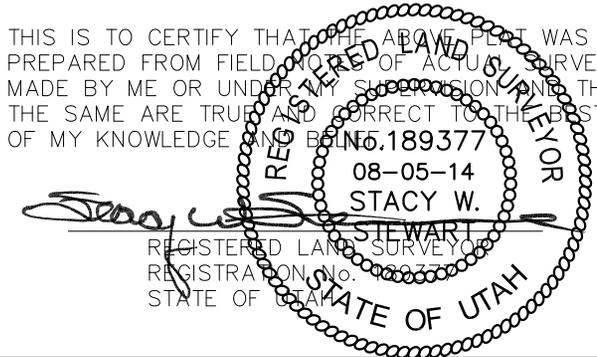
TARGET BOTTOM HOLE, 9-22-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 22, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern bears S36°36'28"W 235.33' from the Top of Hole.
4. The Bottom of Hole bears S36°36'28"W 299.48' from the Top of Hole.
5. The distance between the Center of Pattern and the Bottom of Hole is 64.15'.

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'

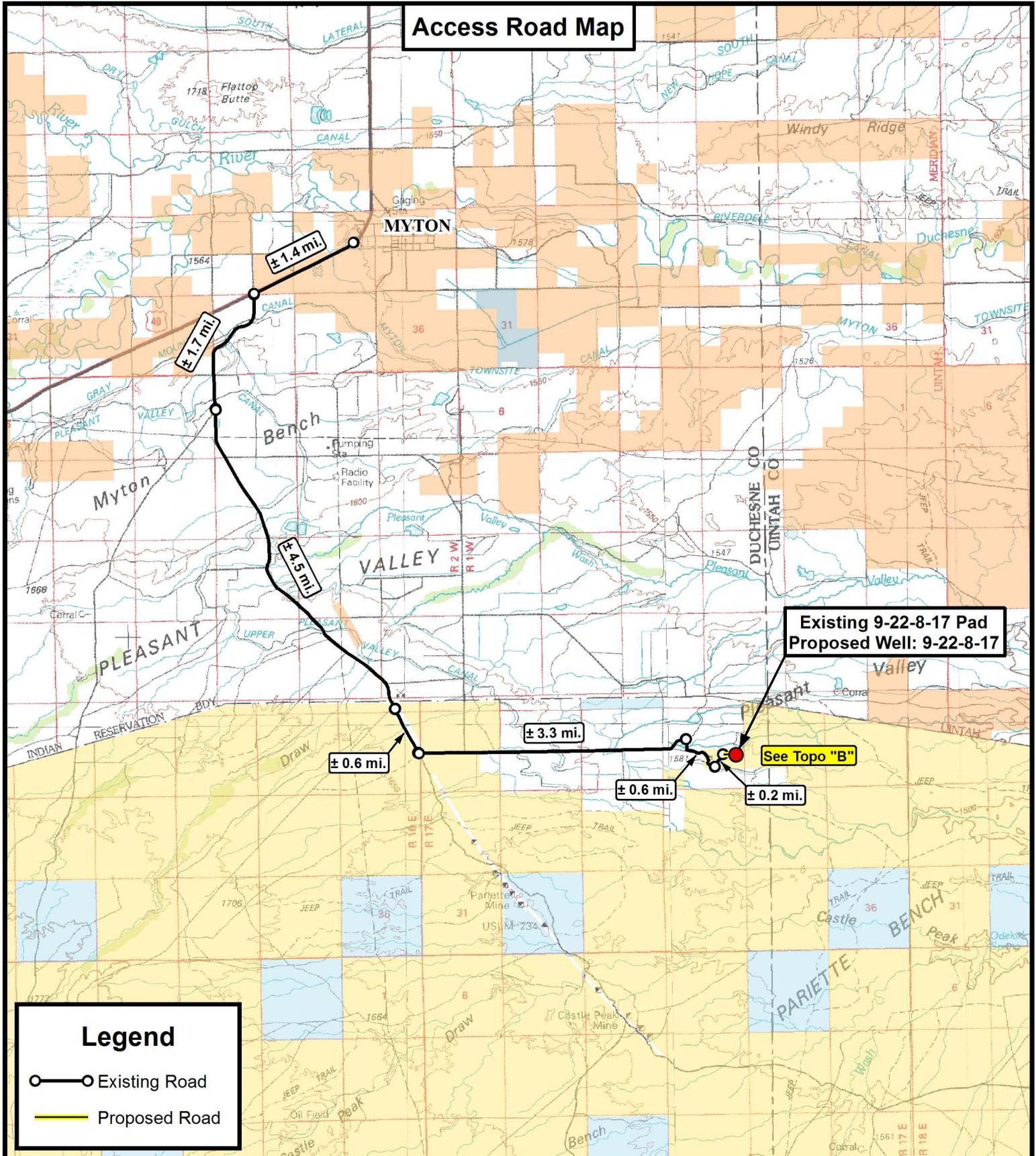
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'07.94"	
LONGITUDE = 109°59'06.26"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'08.08"	
LONGITUDE = 109°59'03.73"	
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°06'06.10"	LATITUDE = 40°06'05.60"
LONGITUDE = 109°59'08.11"	LONGITUDE = 109°59'08.61"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°06'06.24"	LATITUDE = 40°06'05.74"
LONGITUDE = 109°59'05.57"	LONGITUDE = 109°59'06.08"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 06-05-14	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 08-05-14	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

Access Road Map



**Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17**

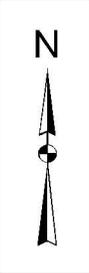
See Topo "B"

Legend

- Existing Road
- Proposed Road

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

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



NEWFIELD EXPLORATION COMPANY

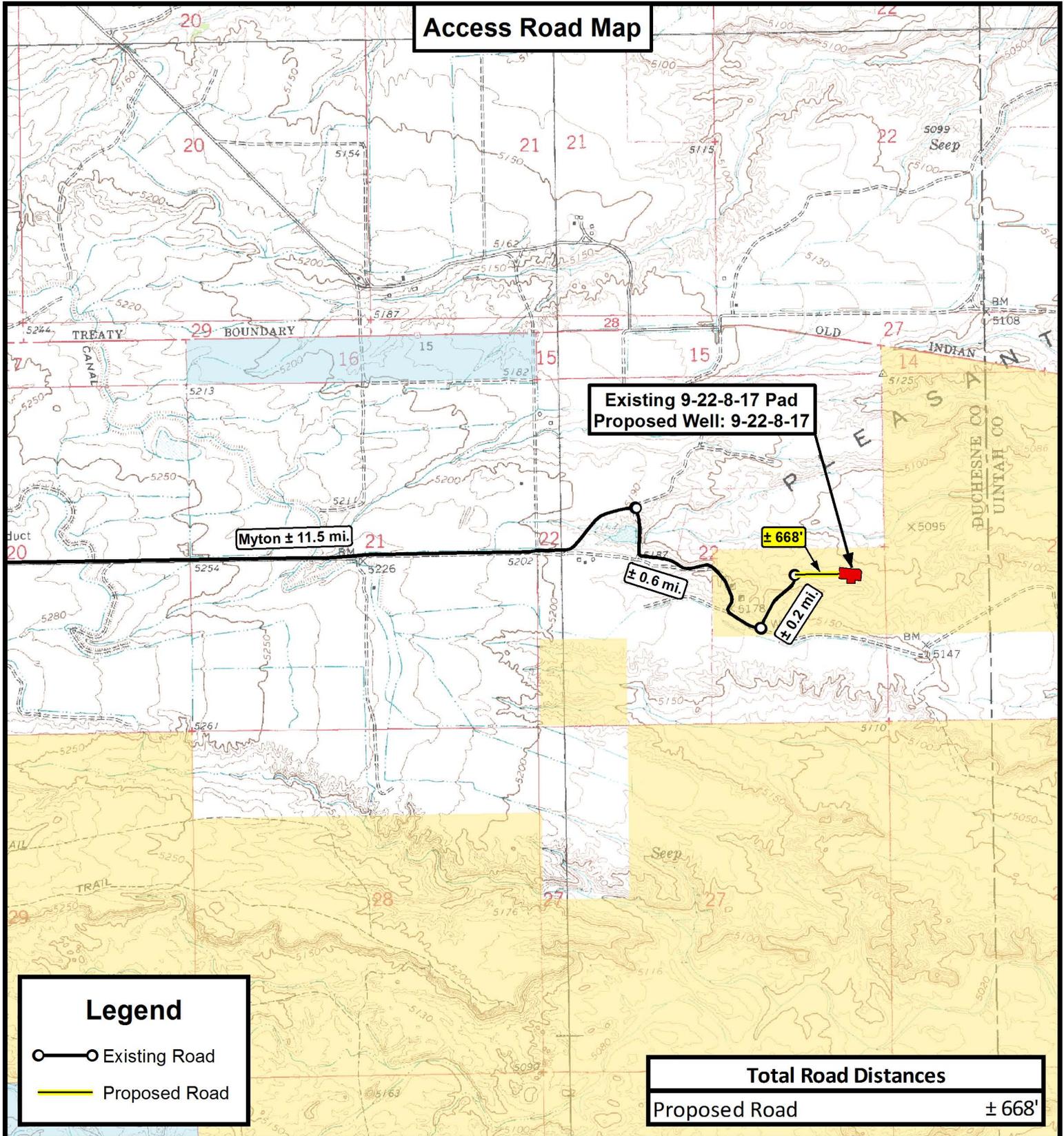
Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17
Sec. 22, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-08-2014		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

Access Road Map



**Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17**

Myton ± 11.5 mi.

± 0.6 mi.

± 668'

± 0.2 mi.

Legend

- Existing Road
- Proposed Road

Total Road Distances	
Proposed Road	± 668'

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



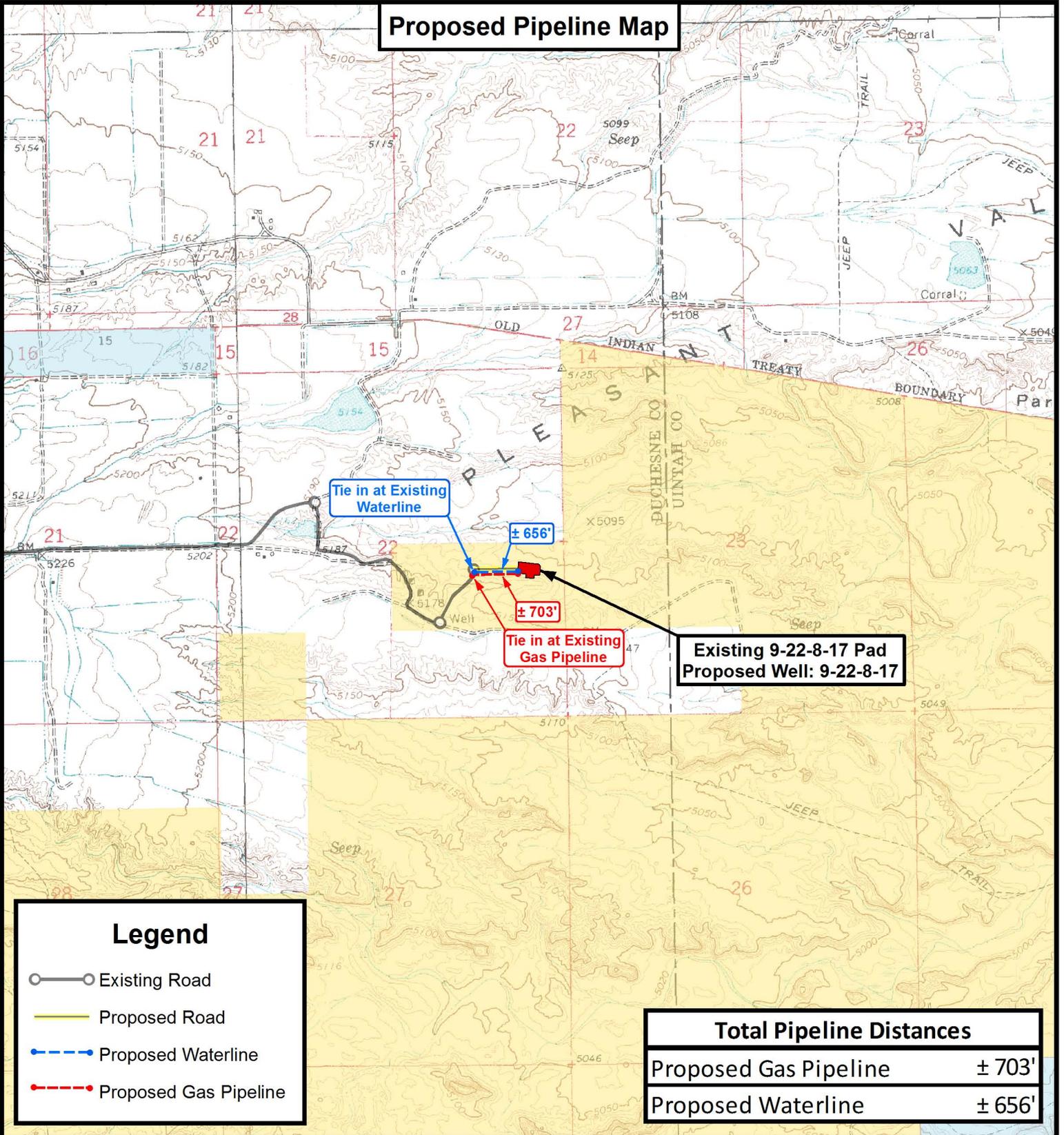
NEWFIELD EXPLORATION COMPANY
Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17
Sec. 22, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-08-2014		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Proposed Waterline
- Proposed Gas Pipeline

Total Pipeline Distances

Proposed Gas Pipeline	± 703'
Proposed Waterline	± 656'

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NEWFIELD EXPLORATION COMPANY

Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17
Sec. 22, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

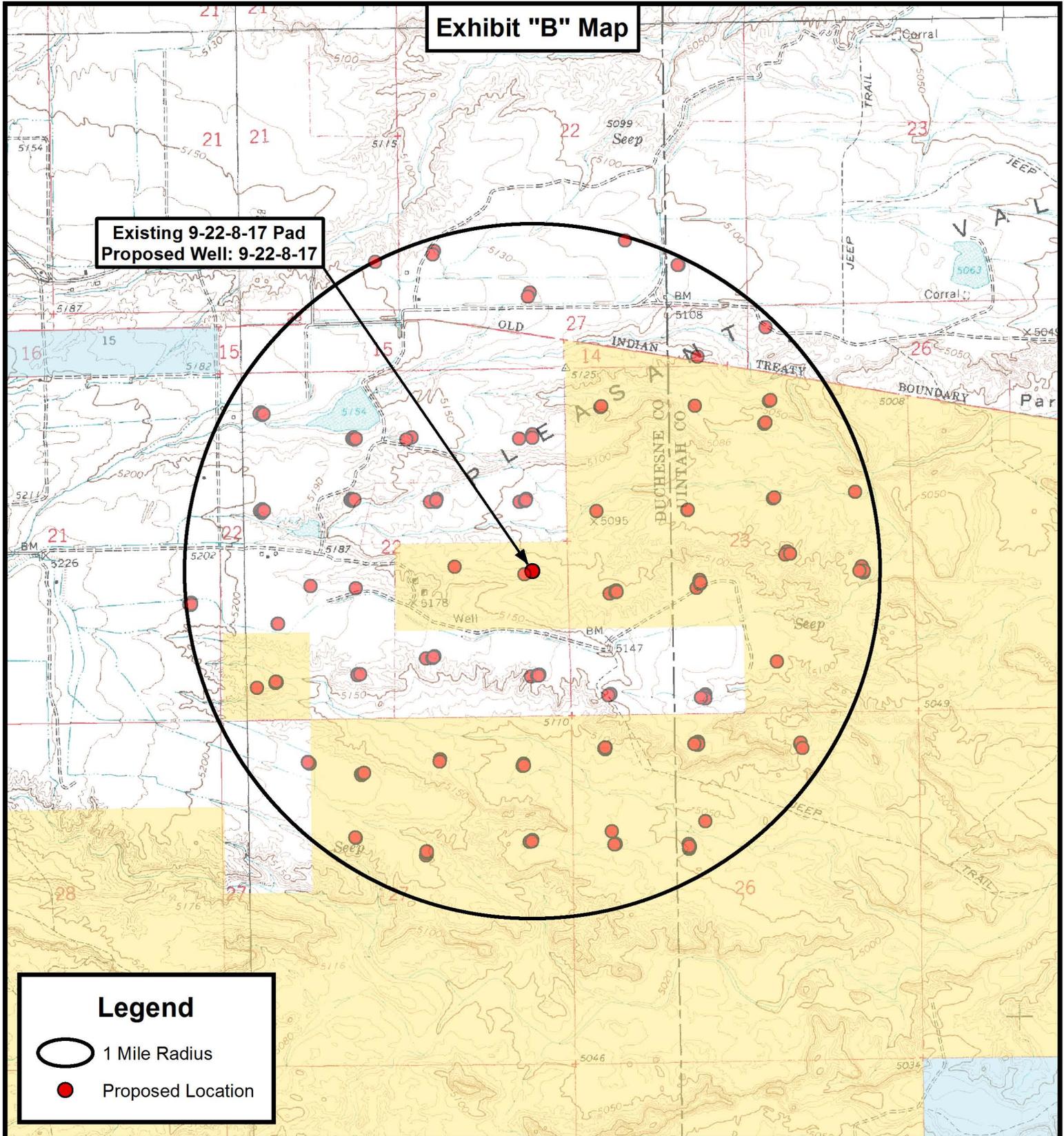
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-08-2014		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

Existing 9-22-8-17 Pad
Proposed Well: 9-22-8-17



Legend

-  1 Mile Radius
-  Proposed Location

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NEWFIELD EXPLORATION COMPANY
 Existing 9-22-8-17 Pad
 Proposed Well: 9-22-8-17
 Sec. 22, T8S, R17E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-08-2014		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 22 T8S, R17E
9-22-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

27 October, 2014





Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 9-22-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Project:	USGS Myton SW (UT)	MD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Site:	SECTION 22 T8S, R17E	North Reference:	True
Well:	9-22-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 22 T8S, R17E, SEC 22 T8S, R17E				
Site Position:	Northing:	7,208,900.00 usft	Latitude:	40° 6' 1.964 N	
From: Lat/Long	Easting:	2,062,000.00 usft	Longitude:	109° 59' 34.084 W	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.97 °

Well	9-22-8-17, SHL: 40° 6' 7.940 -109° 59' 6.260					
Well Position	+N/-S	604.7 usft	Northing:	7,209,541.08 usft	Latitude:	40° 6' 7.940 N
	+E/-W	2,161.9 usft	Easting:	2,064,151.39 usft	Longitude:	109° 59' 6.260 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	5,130.0 usft	Ground Level:	5,119.0 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/27/2014	10.86	65.77	51,983

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	217.67

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	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	
788.8	2.83	217.67	788.8	-3.7	-2.9	1.50	1.50	0.00	217.67	
5,453.8	2.83	217.67	5,448.0	-186.2	-143.7	0.00	0.00	0.00	0.00	9-22-8-17 TGT
6,751.4	2.83	217.67	6,744.0	-236.9	-182.9	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 9-22-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Project:	USGS Myton SW (UT)	MD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Site:	SECTION 22 T8S, R17E	North Reference:	True
Well:	9-22-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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	217.67	700.0	-1.0	-0.8	1.3	1.50	1.50	0.00
788.8	2.83	217.67	788.8	-3.7	-2.9	4.7	1.50	1.50	0.00
800.0	2.83	217.67	799.9	-4.1	-3.2	5.2	0.00	0.00	0.00
900.0	2.83	217.67	899.8	-8.0	-6.2	10.2	0.00	0.00	0.00
1,000.0	2.83	217.67	999.7	-12.0	-9.2	15.1	0.00	0.00	0.00
1,100.0	2.83	217.67	1,099.5	-15.9	-12.3	20.0	0.00	0.00	0.00
1,200.0	2.83	217.67	1,199.4	-19.8	-15.3	25.0	0.00	0.00	0.00
1,300.0	2.83	217.67	1,299.3	-23.7	-18.3	29.9	0.00	0.00	0.00
1,400.0	2.83	217.67	1,399.2	-27.6	-21.3	34.9	0.00	0.00	0.00
1,500.0	2.83	217.67	1,499.1	-31.5	-24.3	39.8	0.00	0.00	0.00
1,600.0	2.83	217.67	1,598.9	-35.4	-27.4	44.8	0.00	0.00	0.00
1,700.0	2.83	217.67	1,698.8	-39.3	-30.4	49.7	0.00	0.00	0.00
1,800.0	2.83	217.67	1,798.7	-43.2	-33.4	54.6	0.00	0.00	0.00
1,900.0	2.83	217.67	1,898.6	-47.2	-36.4	59.6	0.00	0.00	0.00
2,000.0	2.83	217.67	1,998.4	-51.1	-39.4	64.5	0.00	0.00	0.00
2,100.0	2.83	217.67	2,098.3	-55.0	-42.5	69.5	0.00	0.00	0.00
2,200.0	2.83	217.67	2,198.2	-58.9	-45.5	74.4	0.00	0.00	0.00
2,300.0	2.83	217.67	2,298.1	-62.8	-48.5	79.3	0.00	0.00	0.00
2,400.0	2.83	217.67	2,398.0	-66.7	-51.5	84.3	0.00	0.00	0.00
2,500.0	2.83	217.67	2,497.8	-70.6	-54.5	89.2	0.00	0.00	0.00
2,600.0	2.83	217.67	2,597.7	-74.5	-57.6	94.2	0.00	0.00	0.00
2,700.0	2.83	217.67	2,697.6	-78.5	-60.6	99.1	0.00	0.00	0.00
2,800.0	2.83	217.67	2,797.5	-82.4	-63.6	104.1	0.00	0.00	0.00
2,900.0	2.83	217.67	2,897.3	-86.3	-66.6	109.0	0.00	0.00	0.00
3,000.0	2.83	217.67	2,997.2	-90.2	-69.6	113.9	0.00	0.00	0.00
3,100.0	2.83	217.67	3,097.1	-94.1	-72.7	118.9	0.00	0.00	0.00
3,200.0	2.83	217.67	3,197.0	-98.0	-75.7	123.8	0.00	0.00	0.00
3,300.0	2.83	217.67	3,296.9	-101.9	-78.7	128.8	0.00	0.00	0.00
3,400.0	2.83	217.67	3,396.7	-105.8	-81.7	133.7	0.00	0.00	0.00
3,500.0	2.83	217.67	3,496.6	-109.7	-84.7	138.7	0.00	0.00	0.00
3,600.0	2.83	217.67	3,596.5	-113.7	-87.8	143.6	0.00	0.00	0.00
3,700.0	2.83	217.67	3,696.4	-117.6	-90.8	148.5	0.00	0.00	0.00
3,800.0	2.83	217.67	3,796.2	-121.5	-93.8	153.5	0.00	0.00	0.00
3,900.0	2.83	217.67	3,896.1	-125.4	-96.8	158.4	0.00	0.00	0.00
4,000.0	2.83	217.67	3,996.0	-129.3	-99.8	163.4	0.00	0.00	0.00
4,100.0	2.83	217.67	4,095.9	-133.2	-102.9	168.3	0.00	0.00	0.00
4,200.0	2.83	217.67	4,195.8	-137.1	-105.9	173.2	0.00	0.00	0.00
4,300.0	2.83	217.67	4,295.6	-141.0	-108.9	178.2	0.00	0.00	0.00
4,400.0	2.83	217.67	4,395.5	-144.9	-111.9	183.1	0.00	0.00	0.00
4,500.0	2.83	217.67	4,495.4	-148.9	-114.9	188.1	0.00	0.00	0.00
4,600.0	2.83	217.67	4,595.3	-152.8	-118.0	193.0	0.00	0.00	0.00
4,700.0	2.83	217.67	4,695.1	-156.7	-121.0	198.0	0.00	0.00	0.00
4,800.0	2.83	217.67	4,795.0	-160.6	-124.0	202.9	0.00	0.00	0.00
4,900.0	2.83	217.67	4,894.9	-164.5	-127.0	207.8	0.00	0.00	0.00
5,000.0	2.83	217.67	4,994.8	-168.4	-130.0	212.8	0.00	0.00	0.00
5,100.0	2.83	217.67	5,094.7	-172.3	-133.1	217.7	0.00	0.00	0.00
5,200.0	2.83	217.67	5,194.5	-176.2	-136.1	222.7	0.00	0.00	0.00



Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 9-22-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Project:	USGS Myton SW (UT)	MD Reference:	9-22-8-17 @ 5130.0usft (PLAN KB)
Site:	SECTION 22 T8S, R17E	North Reference:	True
Well:	9-22-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

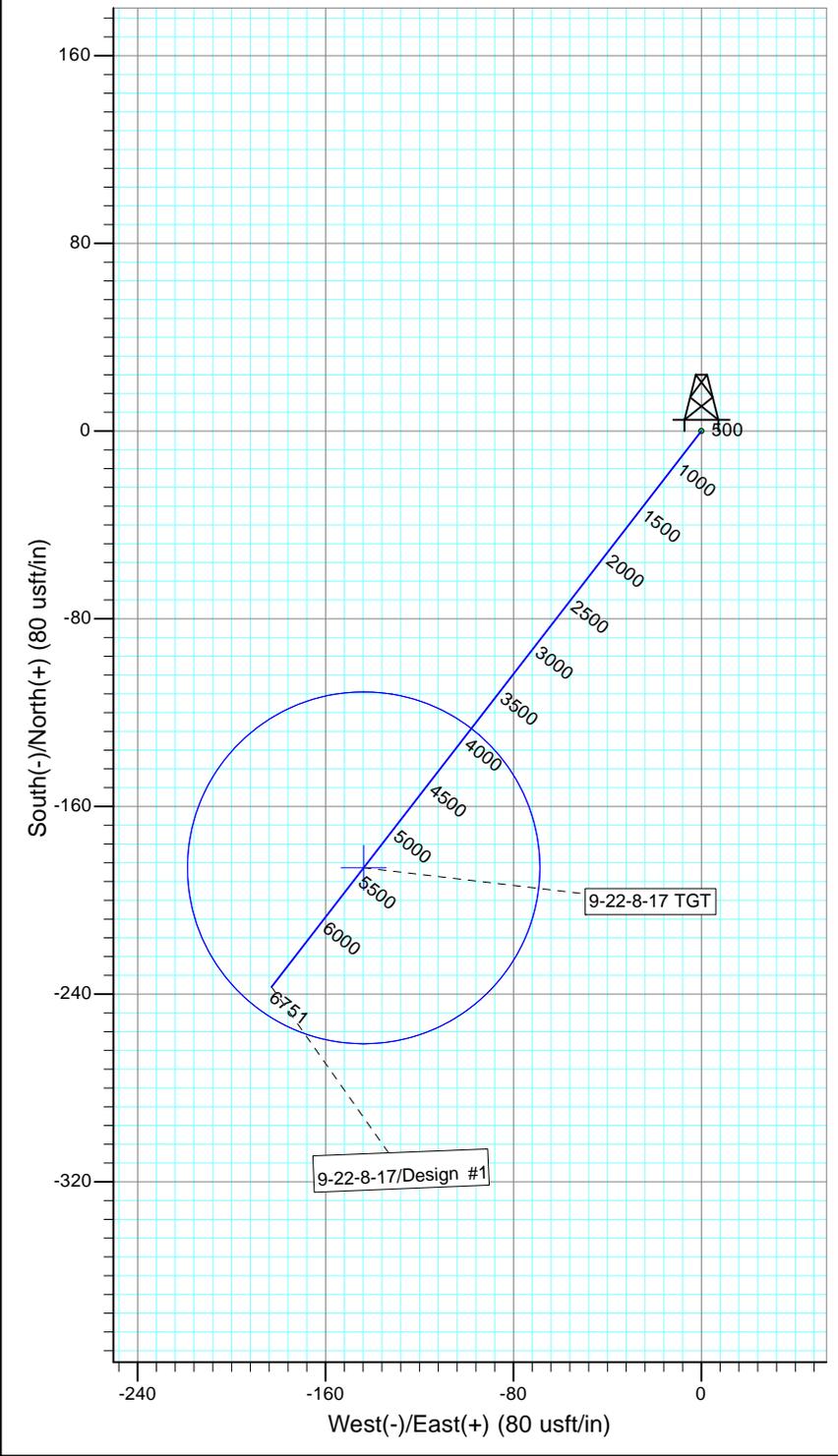
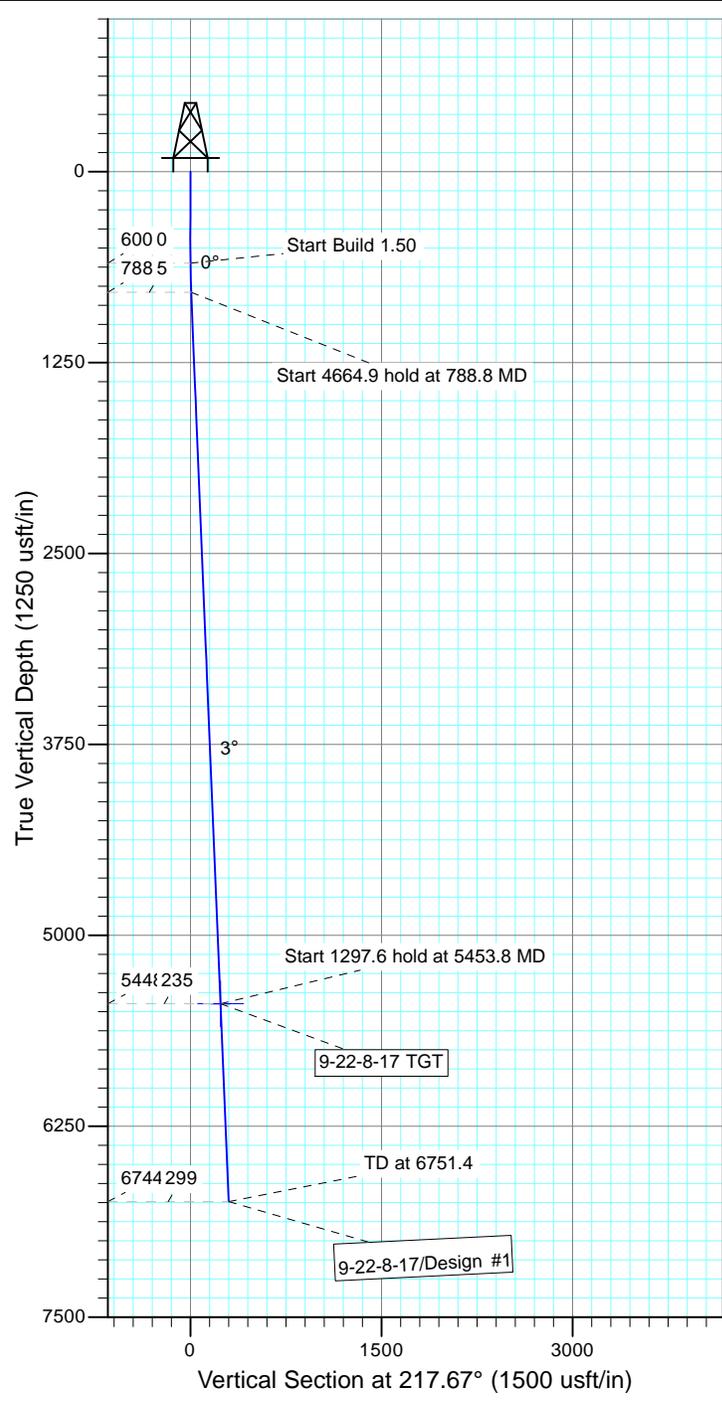
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	2.83	217.67	5,294.4	-180.2	-139.1	227.6	0.00	0.00	0.00
5,400.0	2.83	217.67	5,394.3	-184.1	-142.1	232.5	0.00	0.00	0.00
5,453.8	2.83	217.67	5,448.0	-186.2	-143.7	235.2	0.00	0.00	0.00
5,500.0	2.83	217.67	5,494.2	-188.0	-145.1	237.5	0.00	0.00	0.00
5,600.0	2.83	217.67	5,594.0	-191.9	-148.2	242.4	0.00	0.00	0.00
5,700.0	2.83	217.67	5,693.9	-195.8	-151.2	247.4	0.00	0.00	0.00
5,800.0	2.83	217.67	5,793.8	-199.7	-154.2	252.3	0.00	0.00	0.00
5,900.0	2.83	217.67	5,893.7	-203.6	-157.2	257.3	0.00	0.00	0.00
6,000.0	2.83	217.67	5,993.6	-207.5	-160.2	262.2	0.00	0.00	0.00
6,100.0	2.83	217.67	6,093.4	-211.4	-163.3	267.1	0.00	0.00	0.00
6,200.0	2.83	217.67	6,193.3	-215.4	-166.3	272.1	0.00	0.00	0.00
6,300.0	2.83	217.67	6,293.2	-219.3	-169.3	277.0	0.00	0.00	0.00
6,400.0	2.83	217.67	6,393.1	-223.2	-172.3	282.0	0.00	0.00	0.00
6,500.0	2.83	217.67	6,492.9	-227.1	-175.3	286.9	0.00	0.00	0.00
6,600.0	2.83	217.67	6,592.8	-231.0	-178.4	291.9	0.00	0.00	0.00
6,700.0	2.83	217.67	6,692.7	-234.9	-181.4	296.8	0.00	0.00	0.00
6,751.4	2.83	217.67	6,744.0	-236.9	-182.9	299.3	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
9-22-8-17 TGT	0.00	0.00	5,448.0	-186.2	-143.7	7,209,352.50	2,064,010.82	40° 6' 6.100 N	109° 59' 8.110 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 75.0)									



Project: USGS Myton SW (UT)
 Site: SECTION 22 T8S, R17E
 Well: 9-22-8-17
 Wellbore: Wellbore #1
 Design: Design #1

T M
 Azimuths to True North
 Magnetic North: 10.86°
 Magnetic Field
 Strength: 51982.6snT
 Dip Angle: 65.77°
 Date: 10/27/2014
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
9-22-8-17 TGT	5448.0	-186.2	-143.7	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	788.8	2.83	217.67	788.8	-3.7	-2.9	1.50	217.67	4.7	
4	5453.8	2.83	217.67	5448.0	-186.2	-143.7	0.00	0.00	235.2	9-22-8-17 TGT
5	6751.4	2.83	217.67	6744.0	-236.9	-182.9	0.00	0.00	299.3	



**NEWFIELD EXPLORATION
GMBU 9-22-8-17
AT SURFACE: NE/SE SECTION 22, T8S R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Exploration well location site GMBU 9-22-8-17 located in the NE 1/4 SE 1/4 Section 22, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 1.7 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 5.1 miles \pm to it's junction with an existing road to the east; proceed in a easterly direction - 3.3 miles \pm to it's junction with an existing road to the southeast; proceed in a southeasterly direction - 0.6 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction - 0.2 miles \pm to it's junction with the beginning of the proposed access road; proceed in a easterly direction along the proposed access road approximately 668' \pm to the proposed 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

Approximately 668' of access road is planned. See attached **Topographic Map "B"**.

The planned access road will consist of a 20-foot permanent running surface crowned and ditched in order to handle any run-off from any precipitation events. The maximum grade will be 10% or less.

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**

Newfield Exploration Company requests 703' of surface gas line be granted. Newfield Exploration Company requests 656' of buried water line be granted. See attached Topographic Map "C".

Where parallel corridors exist the disturbed area will be 60 feet wide to allow for construction of the proposed access road and pipeline corridor. The pipeline corridor will consist of a 12-inch or smaller natural gas pipeline, a 6-inch or smaller fuel gas line and an 10-inch or smaller produced water pipeline.

The pipelines will tie in to the existing Newfield pipeline infrastructure. The proposed pipelines will be buried 4-feet deep or greater in a trench constructed with a trencher, trackhoe or backhoe for the length of the proposal. The construction phase of the planned access road, proposed pipelines will last approximately (10) days.

The centerline of the proposed route will be staked prior to installation. Pipelines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated.

Lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country, travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet to adequately support the equipment.

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 pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.

The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.

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-14-MQ-0860b, 9/22/14, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, SWCA Environmental Consultants, September 2014. SWCA Report No. UT14-14273-146. See attached report cover pages, Exhibit "D".

Water Disposal

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

Additional Surface Stipulations

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

Hazardous Material Declaration

Newfield Exploration guarantees that during the drilling and completion of the GMBU 9-22-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 9-22-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

Newfield Exploration 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 Exploration
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD EXPLORATION is considered to be the operator of well #9-22-8-17, Section 22, Township 8S, Range 17E: Lease UTU-77233 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 Exploration 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.

_____ 10/31/14 _____
Date

Mandie Crozier
Regulatory Specialist
Newfield Exploration

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

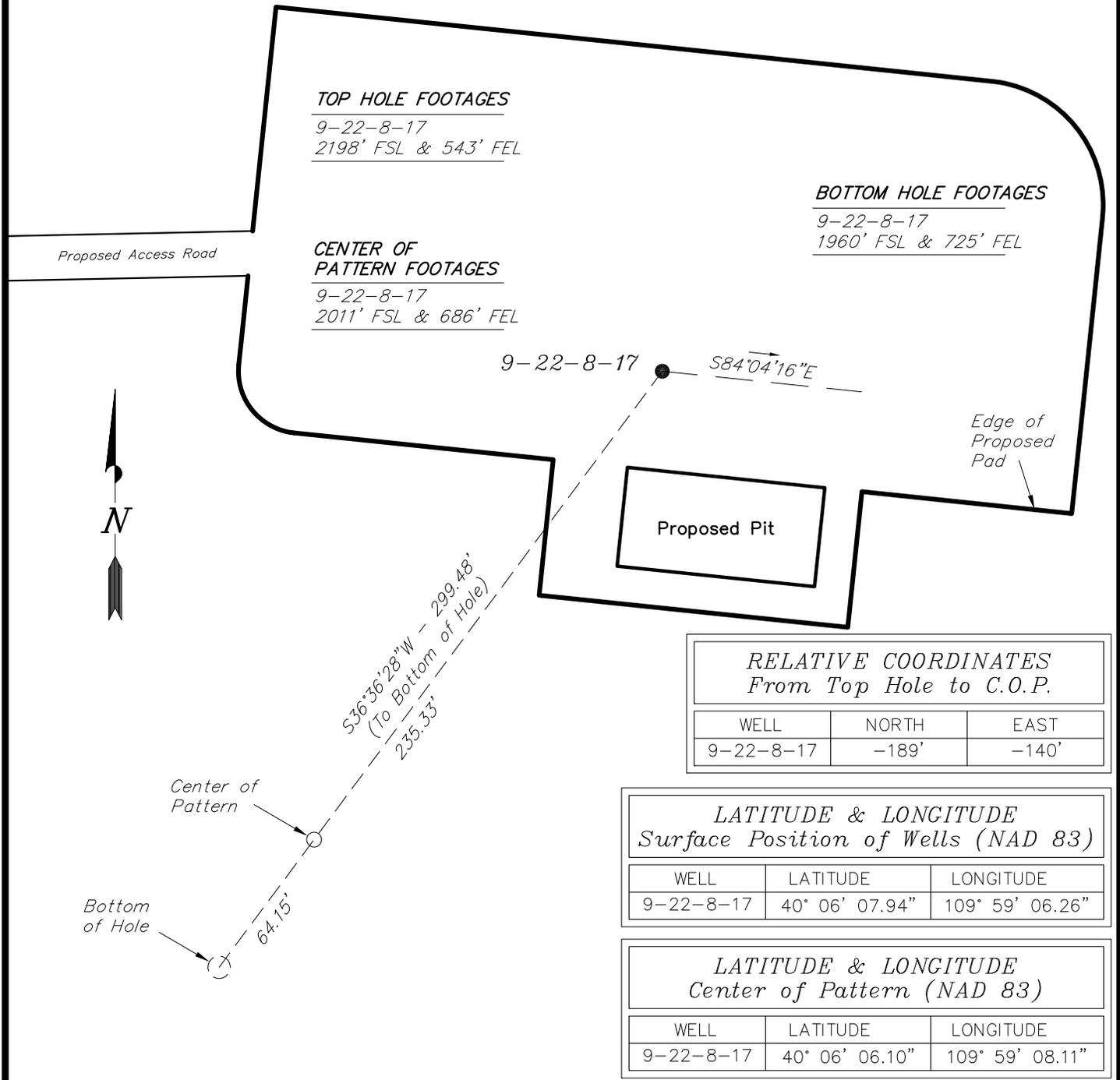
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

EXISTING 9-22-8-17 PAD

PROPOSED WELL: 9-22-8-17

Pad Location: NESE Section 22, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES
 9-22-8-17
 2198' FSL & 543' FEL

BOTTOM HOLE FOOTAGES
 9-22-8-17
 1960' FSL & 725' FEL

CENTER OF PATTERN FOOTAGES
 9-22-8-17
 2011' FSL & 686' FEL

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

WELL	NORTH	EAST
9-22-8-17	-189'	-140'

LATITUDE & LONGITUDE
 Surface Position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
9-22-8-17	40° 06' 07.94"	109° 59' 06.26"

LATITUDE & LONGITUDE
 Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
9-22-8-17	40° 06' 06.10"	109° 59' 08.11"

RELATIVE COORDINATES
 From Top Hole to Bottom Hole

WELL	NORTH	EAST
9-22-8-17	-240'	-179'

Note:
 Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
 Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
9-22-8-17	40° 06' 05.60"	109° 59' 08.61"

SURVEYED BY: S.H.	DATE SURVEYED: 06-05-14	VERSION: V1
DRAWN BY: V.H.	DATE DRAWN: 08-05-14	
SCALE: 1" = 60'	REVISED:	

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

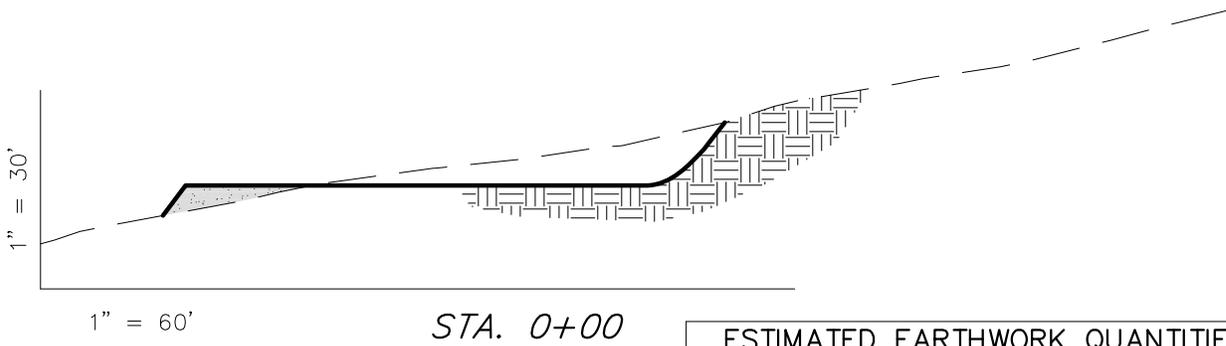
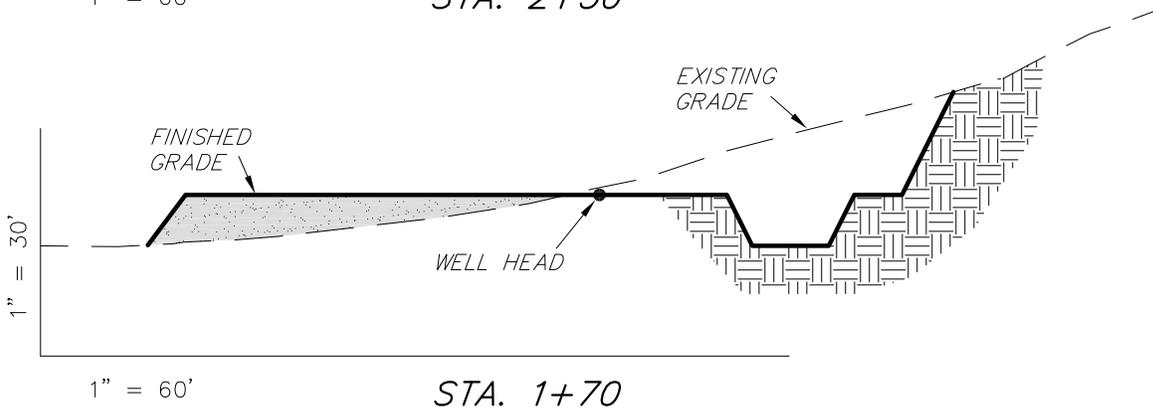
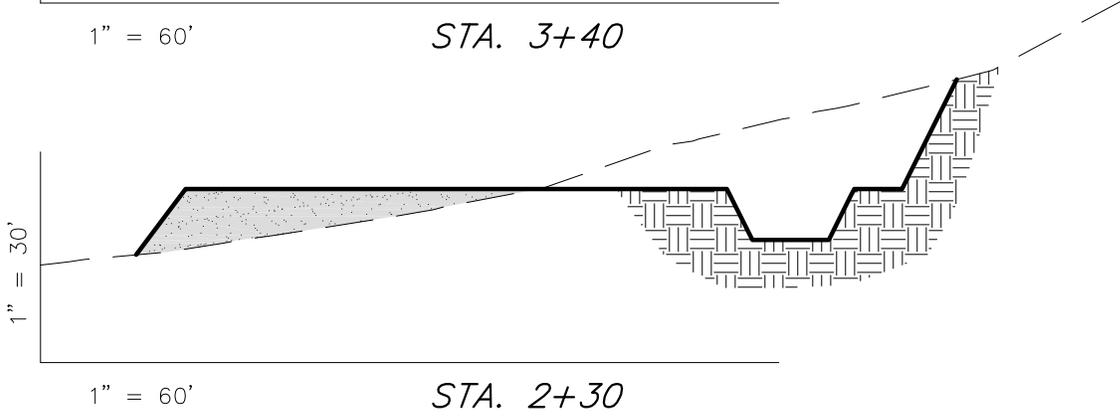
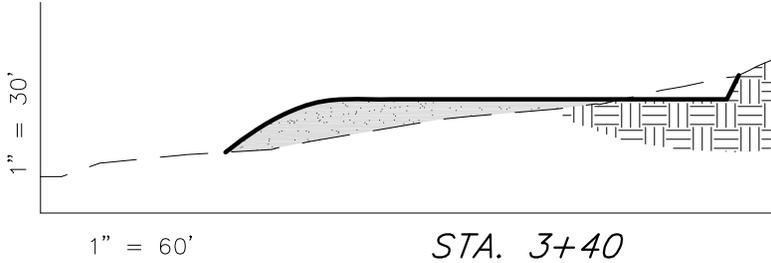
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

EXISTING 9-22-8-17 PAD

PROPOSED WELL: 9-22-8-17

Pad Location: NESE Section 22, T8S, R17E, S.L.B.&M.



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,050	6,050	Topsoil is not included in Pad Cut Volume	0
PIT	690	0		690
TOTALS	6,740	6,050	1,460	690

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

SURVEYED BY: S.H.	DATE SURVEYED: 06-05-14	VERSION: V1
DRAWN BY: F.T.M.	DATE DRAWN: 08-05-14	
SCALE: 1" = 60'	REVISED:	

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

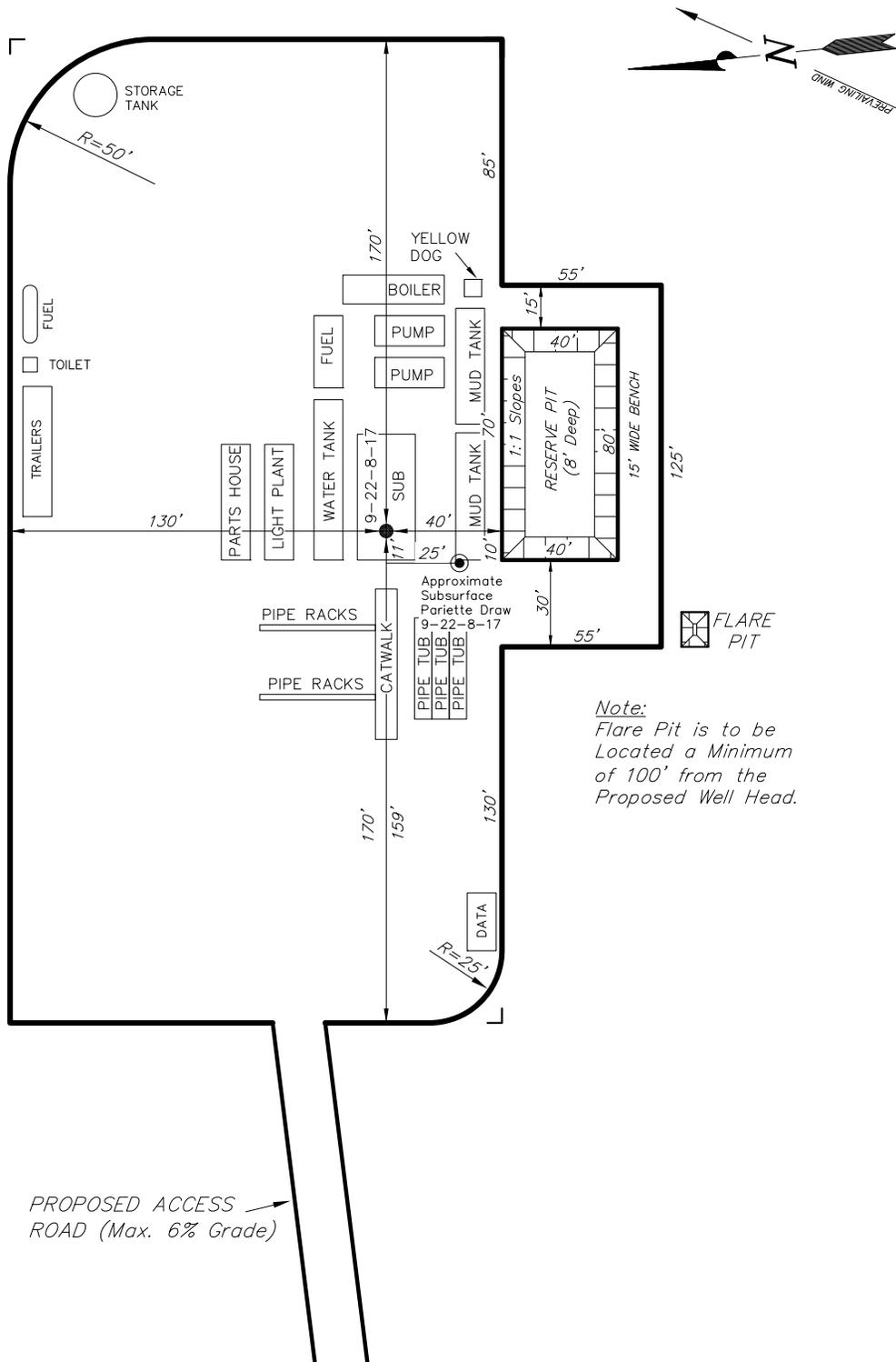
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

EXISTING 9-22-8-17 PAD

PROPOSED WELL: 9-22-8-17

Pad Location: NESE Section 22, T8S, R17E, S.L.B.&M.



SURVEYED BY: S.H.	DATE SURVEYED: 06-05-14	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 08-05-14	V1
SCALE: 1" = 60'	REVISED:	

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

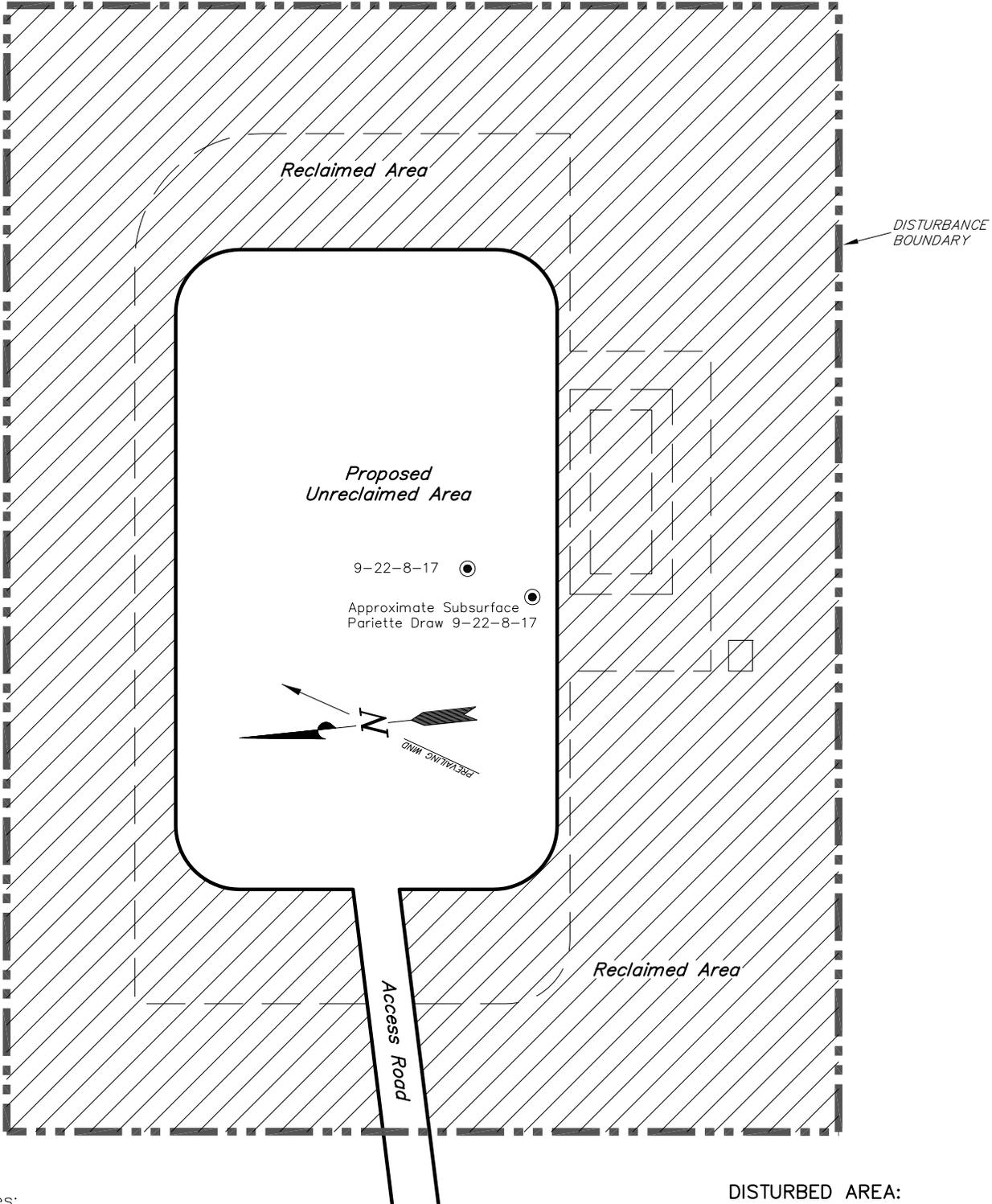
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 9-22-8-17 PAD

PROPOSED WELL: 9-22-8-17

Pad Location: NESE Section 22, T8S, R17E, S.L.B.&M.



Notes:

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

DISTURBED AREA:

TOTAL DISTURBED AREA = ±3.28 ACRES
 TOTAL RECLAIMED AREA = ±2.40 ACRES
 UNRECLAIMED AREA = ±0.88 ACRES

SURVEYED BY: S.H.	DATE SURVEYED: 06-05-14	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 08-05-14	V1
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

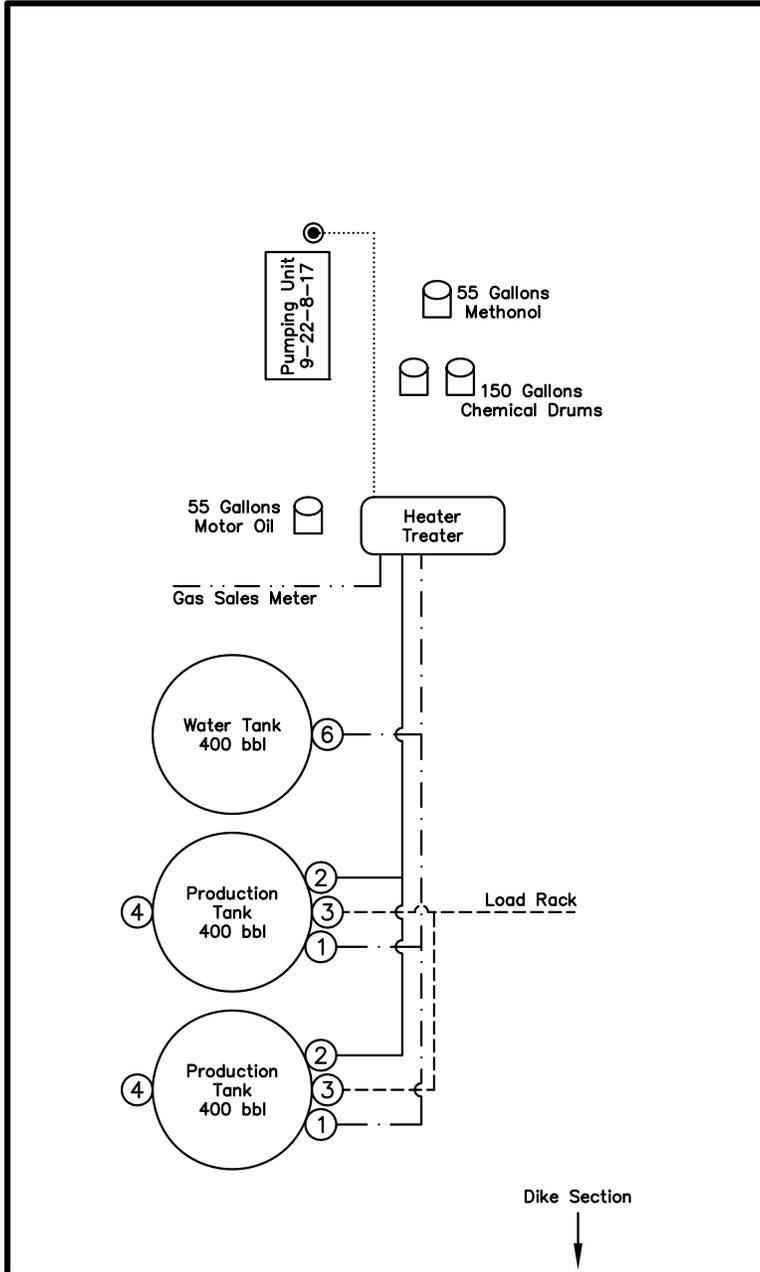
NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

9-22-8-17 PAD

9-22-8-17 UTU-77233

*Pad Location: NESE Section 22, T8S, R17E, S.L.B.&M.
Duchesne County, Utah*

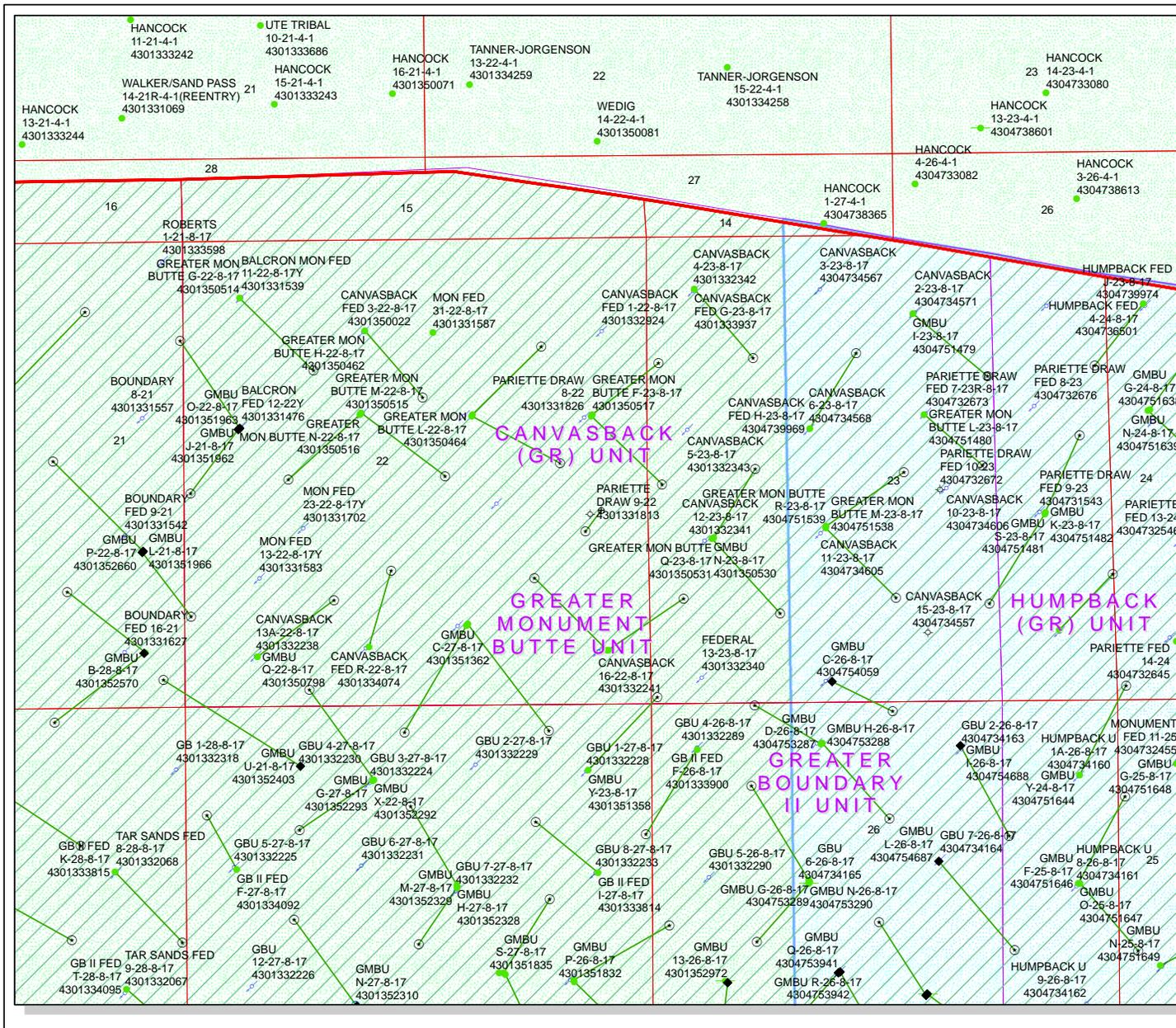


Legend

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

NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 06-05-14	VERSION: V1	<p style="font-size: small; margin: 0;">(435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: F.T.M.	DATE DRAWN: 08-05-14		
SCALE: NONE	REVISED:		



API Number: 4301353212

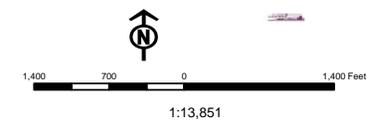
Well Name: GMBU 9-22-8-17

Township: T08.0S Range: R17.0E Section: 22 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 11/14/2014
Map Produced by Diana Mason

Wells Query		Units	
Status	Symbol	Status	Symbol
APD - Approved Permit	Blue diamond	ACTIVE	White box
DRIL - Spudded (Drilling Commenced)	Blue circle	EXPLORATORY	Light blue box
GIW - Gas Injection	Red star	GAS STORAGE	Light green box
GS - Gas Storage	Blue star	NF PP OIL	Light purple box
LOC - New Location	Green star	NF SECONDARY	Light blue box
OPS - Operation Suspended	Red star	PI OIL	Light green box
PA - Plugged Abandoned	Red star	PP GAS	Light purple box
PGW - Producing Gas Well	Red star	PP GEOTHERMAL	Light green box
POW - Producing Oil Well	Red star	PP OIL	Light purple box
SGW - Shut-in Gas Well	Red star	SECONDARY	Light blue box
SGW - Shut-in Oil Well	Red star	TERMINATED	Light green box
TA - Temp. Abandoned	Red star		
TW - Test Well	Red star	Fields STATUS	
WDW - Water Disposal	Red star	Unknown	White box
WW - Water Injection Well	Red star	ABANDONED	Light blue box
WSW - Water Supply Well	Red star	ACTIVE	Light green box
		COMBINED	Light purple box
		INACTIVE	Light blue box
		STORAGE	Light green box
		TERMINATED	Light purple box



NEWFIELD



VIA ELECTRONIC DELIVERY

November 18, 2014

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

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

RE: Directional Drilling
GMBU 9-22-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 22: NESE (UTU-77233)
2198' FSL 543' FEL

At Target: T8S-R17E Section 22: NESE (UTU-77233)
1960' FSL 725' FEL

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 11/4/14, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-323-9770 or by email at ldein@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

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

Levi Dein
Landman

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 10, 2014

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

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

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

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-53184	GMBU I-20-9-16	Sec 20 T09S R16E 0602 FNL 0634 FEL BHL Sec 20 T09S R16E 1640 FNL 1540 FEL
43-013-53191	GMBU N-20-8-17	Sec 20 T08S R17E 2331 FSL 0924 FWL BHL Sec 20 T08S R17E 2603 FNL 1442 FWL
43-013-53192	GMBU 11-20-8-17	Sec 20 T08S R17E 2320 FSL 0906 FWL BHL Sec 20 T08S R17E 1880 FSL 2296 FWL
43-013-53193	GMBU 120-31-8-17	Sec 31 T08S R17E 1971 FNL 0581 FWL BHL Sec 31 T08S R17E 2450 FSL 0625 FWL
43-013-53211	GMBU 13-1-9-15	Sec 01 T09S R15E 0902 FSL 0577 FWL
43-013-53212	GMBU 9-22-8-17	Sec 22 T08S R17E 2198 FSL 0543 FEL BHL Sec 22 T08S R17E 1960 FSL 0725 FEL
43-047-54891	GMBU L-30-8-18	Sec 30 T08S R18E 1710 FSL 1789 FEL BHL Sec 30 T08S R18E 2338 FNL 1159 FEL
43-047-54892	GMBU 7-30-8-18	Sec 30 T08S R18E 1701 FSL 1809 FEL BHL Sec 30 T08S R18E 1484 FNL 2008 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: 2014.11.10 09:03:45 -0700

RECEIVED: December 02, 2014

API Well Number: 43013532120000

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

MCoulthard:mc:11-10-14

RECEIVED: December 02, 2014

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/4/2014

API NO. ASSIGNED: 43013532120000

WELL NAME: GMBU 9-22-8-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NESE 22 080S 170E

Permit Tech Review:

SURFACE: 2198 FSL 0543 FEL

Engineering Review:

BOTTOM: 1960 FSL 0725 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.10220

LONGITUDE: -109.98505

UTM SURF EASTINGS: 586507.00

NORTHINGS: 4439594.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-77233

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 9-22-8-17
API Well Number: 43013532120000
Lease Number: UTU-77233
Surface Owner: FEDERAL
Approval Date: 12/2/2014

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

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

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

Notification Requirements:

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

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

(please leave a voicemail message if not available)

OR

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

Reporting Requirements:

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

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

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77233	
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.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: GMBU 9-22-8-17	
9. API NUMBER: 43013532120000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
9. COUNTY: DUCHESNE	
STATE: UTAH	
1. TYPE OF WELL Oil Well	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	
PHONE NUMBER: 435 646-4825 Ext	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2198 FSL 0543 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 Township: 08.0S Range: 17.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/2/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the
November 10, 2015
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 11/10/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013532120000

API: 43013532120000

Well Name: GMBU 9-22-8-17

Location: 2198 FSL 0543 FEL QTR NESE SEC 22 TWNP 080S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/2/2014

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

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

Signature: Mandie Crozier

Date: 11/10/2015

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

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.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77233
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
PHONE NUMBER: 435 646-4825 Ext	8. WELL NAME and NUMBER: GMBU 9-22-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2198 FSL 0543 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 Township: 08.0S Range: 17.0E Meridian: S	9. API NUMBER: 43013532120000
	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/2/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Approved by the
November 14, 2016
Oil, Gas and Mining

Date: _____
By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 11/8/2016	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013532120000

API: 43013532120000

Well Name: GMBU 9-22-8-17

Location: 2198 FSL 0543 FEL QTR NESE SEC 22 TWNP 080S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 12/2/2014

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- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

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

Signature: Mandie Crozier

Date: 11/8/2016

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