

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 P-21-8-17						
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 mcozier@newfield.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-76954			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		205 FSL 231 FEL		SESE		20		8.0 S		17.0 E		S
Top of Uppermost Producing Zone		730 FSL 125 FEL		SESE		20		8.0 S		17.0 E		S
At Total Depth		1570 FSL 65 FWL		NWSW		21		8.0 S		17.0 E		S
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 65			23. NUMBER OF ACRES IN DRILLING UNIT 20						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 809			26. PROPOSED DEPTH MD: 6595 TVD: 6420						
27. ELEVATION - GROUND LEVEL 5259			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 - 6595	15.5	J-55 LT&C	8.3	Premium Lite High Strength		317	3.26	11.0	
							50/50 Poz		363	1.24	14.3	
ATTACHMENTS												
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES												
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Heather Calder				TITLE Production Technician				PHONE 435 646-4936				
SIGNATURE				DATE 09/30/2013				EMAIL hcalder@newfield.com				
API NUMBER ASSIGNED 43013525220000				APPROVAL  Permit Manager								

NEWFIELD PRODUCTION COMPANY
 GMBU P-21-8-17
 AT SURFACE: SE/SE SECTION 20, 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' – 3,220'
Green River	3,220'
Wasatch	6,750'
Proposed TD	6,595'(MD) 6,420' (TVD)

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

Green River Formation (Oil) 3,220' – 6,750'

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 & Sample 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 P-21-8-17**

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'	6,595'	15.5	J-55	LTC	4,810 2.29	4,040 1.93	217,000 2.12

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 P-21-8-17**

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	4,595'	Prem Lite II w/ 10% gel + 3% KCl	317 1035	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

- *Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

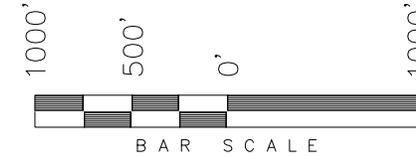
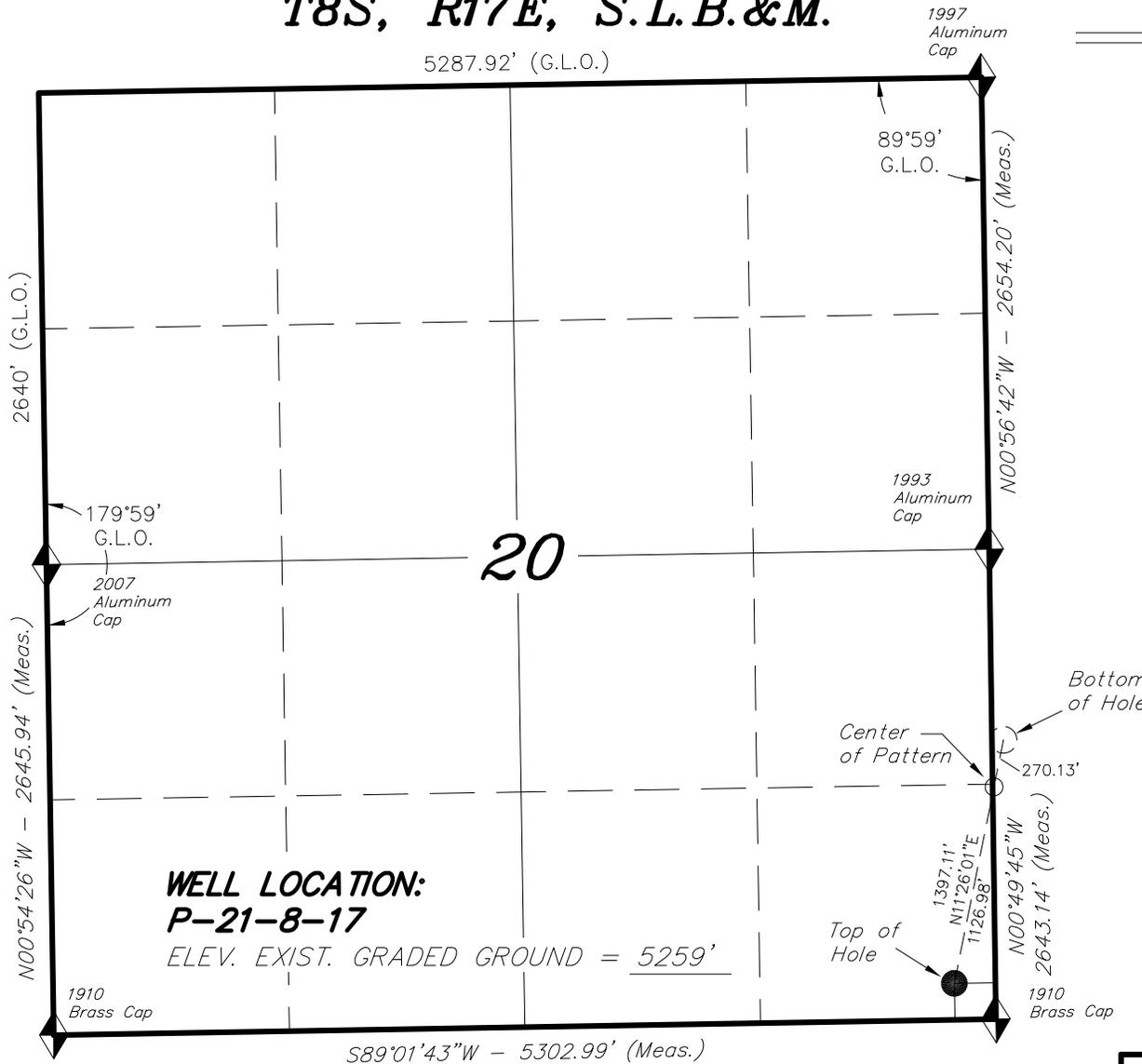
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

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

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

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, P-21-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 20, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

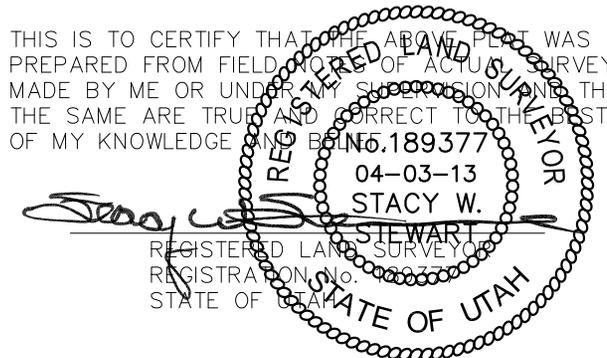


NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Hole footages are 205' FSL & 231' FEL.



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.



**WELL LOCATION:
P-21-8-17**

ELEV. EXIST. GRADED GROUND = 5259'

◆ = 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°05'48.32"
LONGITUDE =	110°01'18.22"
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°05'48.46"
LONGITUDE =	110°01'15.68"

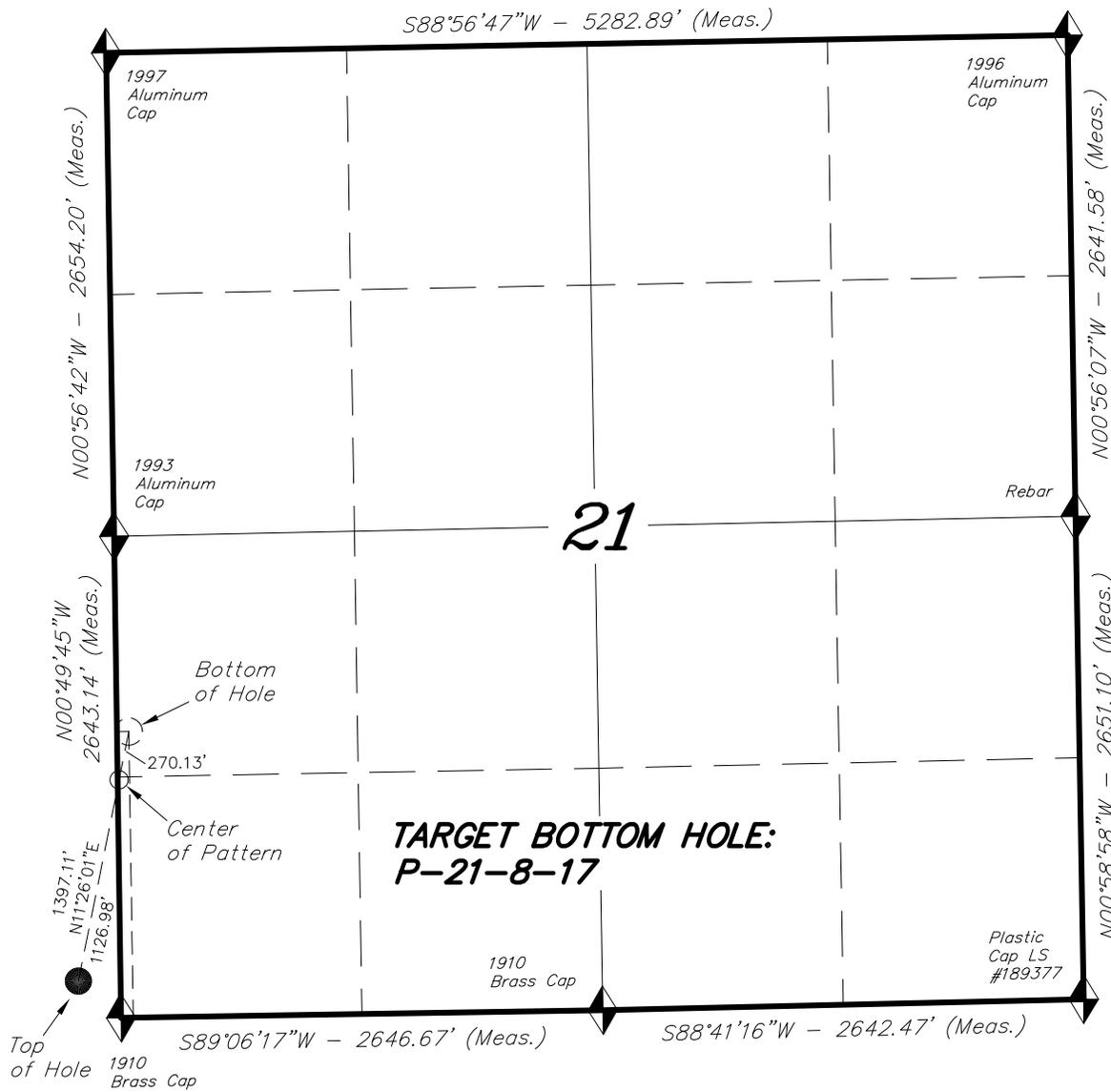
TRI STATE LAND SURVEYING & CONSULTING

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

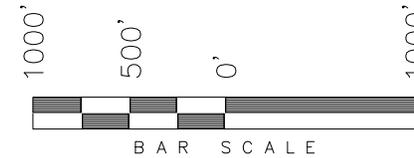
DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

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

NEWFIELD EXPLORATION COMPANY



TARGET BOTTOM HOLE, P-21-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



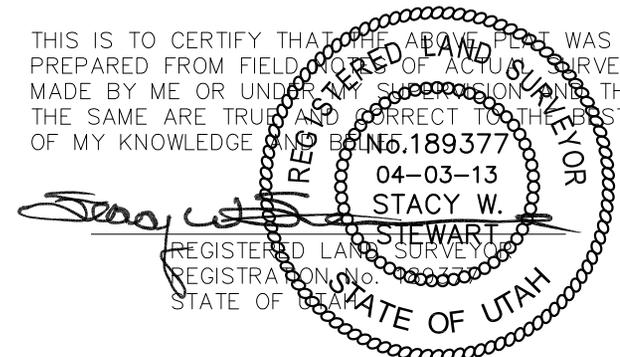
NOTES:

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 footages are 1306' FSL & 8' FWL.
4. The Bottom of Hole footages are 1570' FSL & 65' FWL.



◆ = SECTION CORNERS LOCATED

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.



**TARGET BOTTOM HOLE:
P-21-8-17**

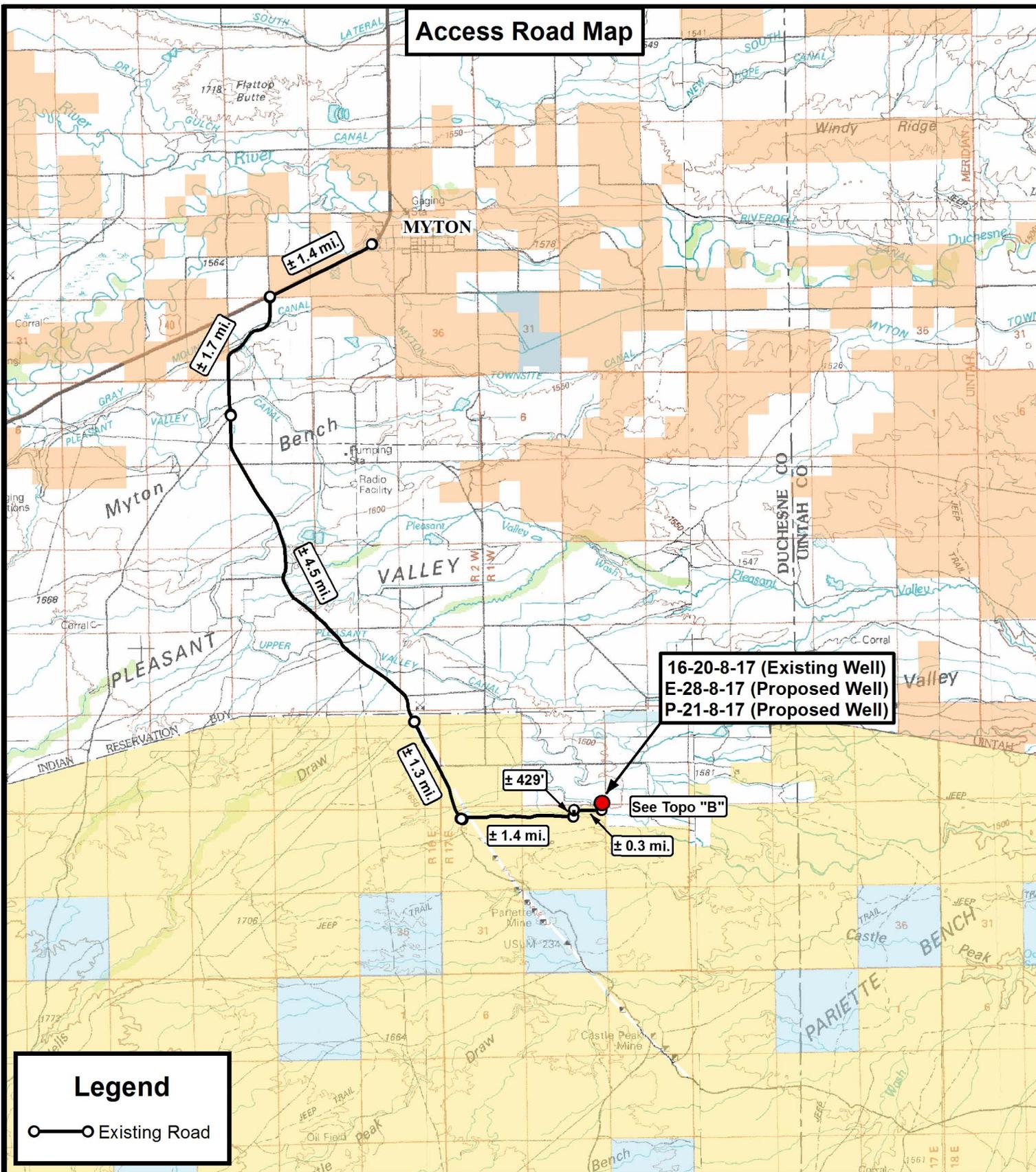
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°05'59.20"	LATITUDE = 40°06'01.80"
LONGITUDE = 110°01'15.11"	LONGITUDE = 110°01'14.37"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°05'59.34"	LATITUDE = 40°06'01.94"
LONGITUDE = 110°01'12.58"	LONGITUDE = 110°01'11.83"

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

DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

Access Road Map



Legend

○—○ Existing Road

16-20-8-17 (Existing Well)
 E-28-8-17 (Proposed Well)
 P-21-8-17 (Proposed Well)

See Topo "B"



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

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



NEWFIELD EXPLORATION COMPANY

16-20-8-17 (Existing Well)
 E-28-8-17 (Proposed Well)
 P-21-8-17 (Proposed Well)

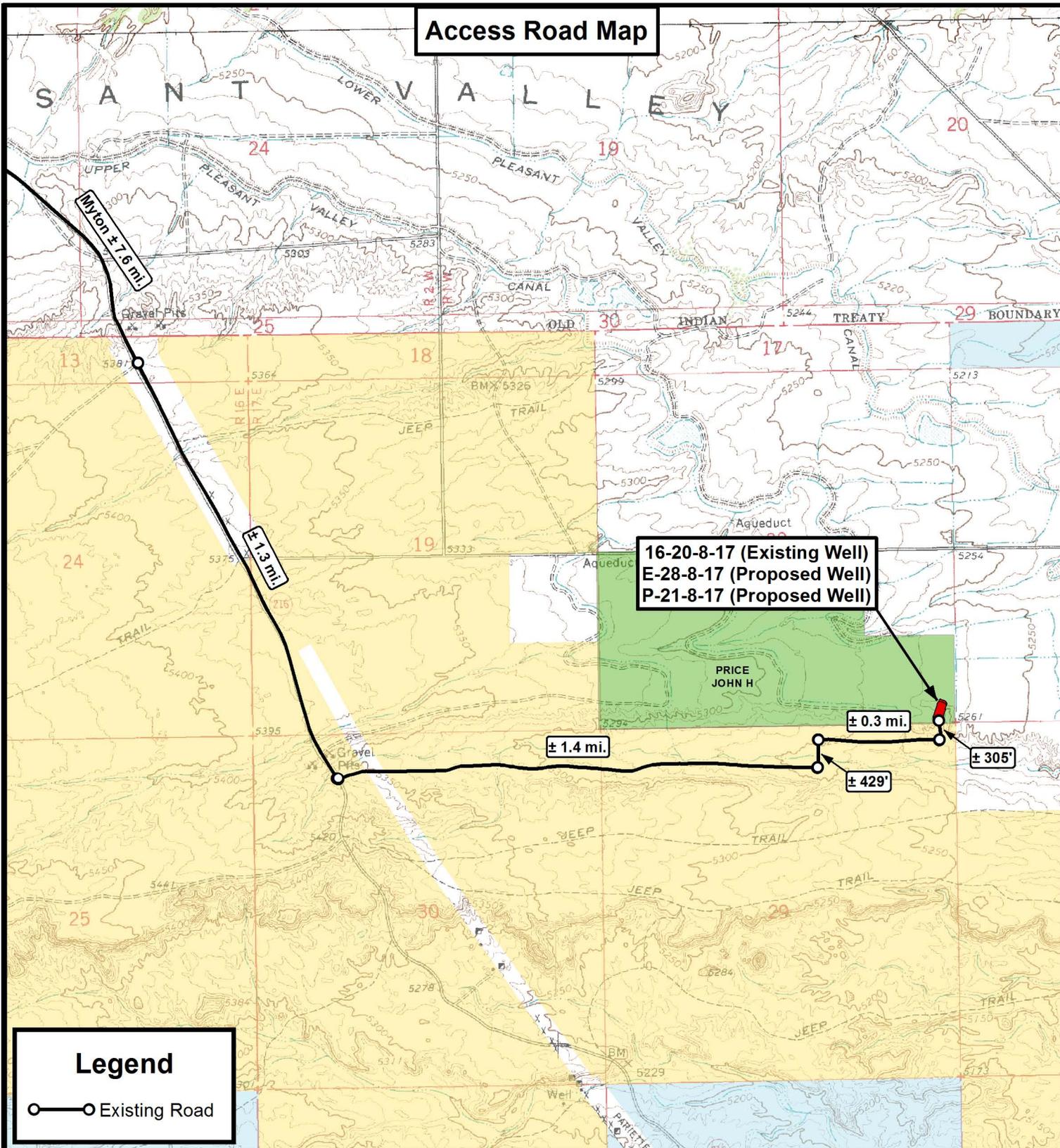
SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-04-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



**16-20-8-17 (Existing Well)
E-28-8-17 (Proposed Well)
P-21-8-17 (Proposed Well)**

Legend

○—○ Existing Road

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

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

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



NEWFIELD EXPLORATION COMPANY

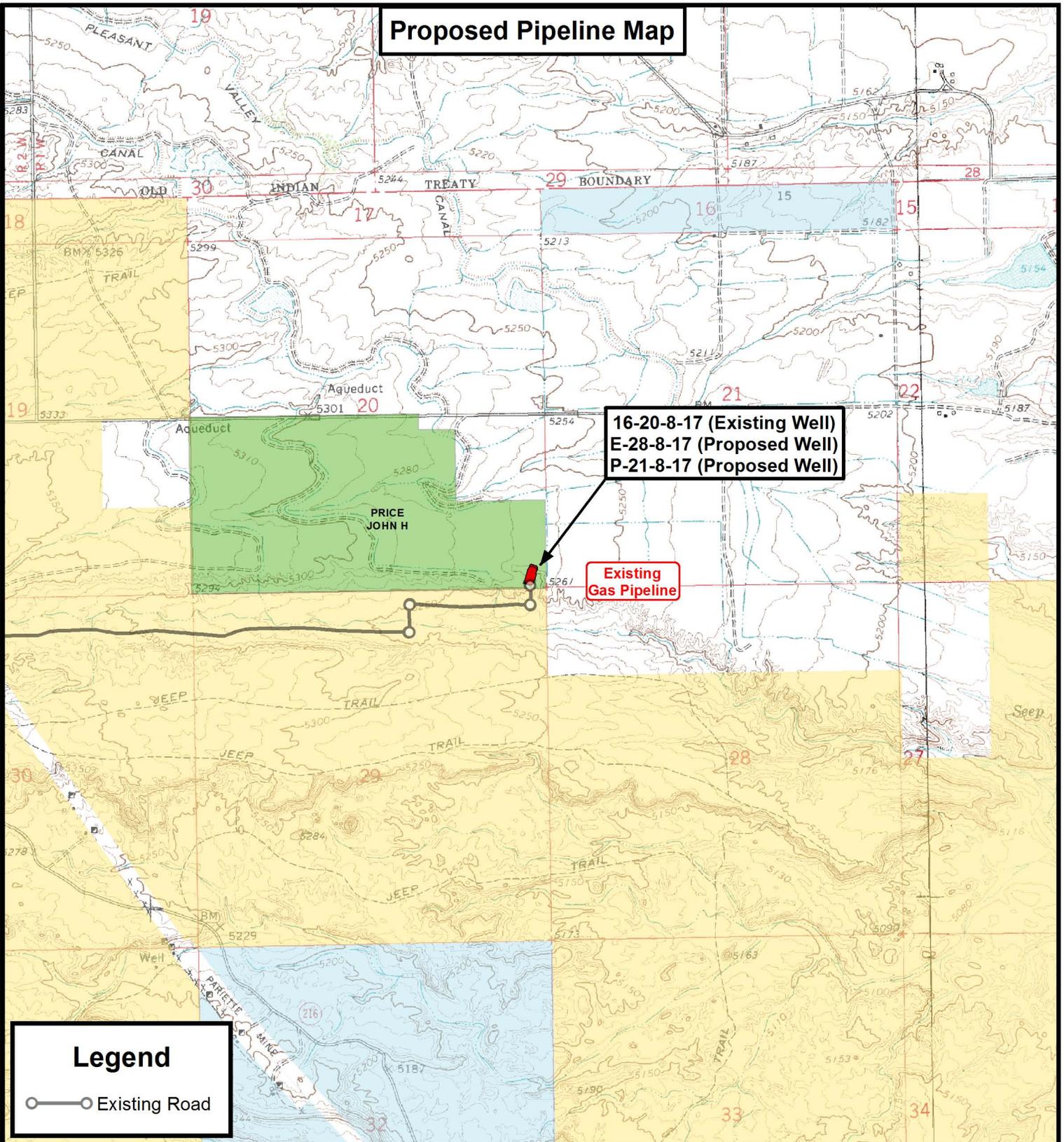
16-20-8-17 (Existing Well)
E-28-8-17 (Proposed Well)
P-21-8-17 (Proposed Well)
SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-04-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



16-20-8-17 (Existing Well)
 E-28-8-17 (Proposed Well)
 P-21-8-17 (Proposed Well)

Existing Gas Pipeline

Legend

○—○ Existing Road

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

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

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



NEWFIELD EXPLORATION COMPANY

16-20-8-17 (Existing Well)
 E-28-8-17 (Proposed Well)
 P-21-8-17 (Proposed Well)
 SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

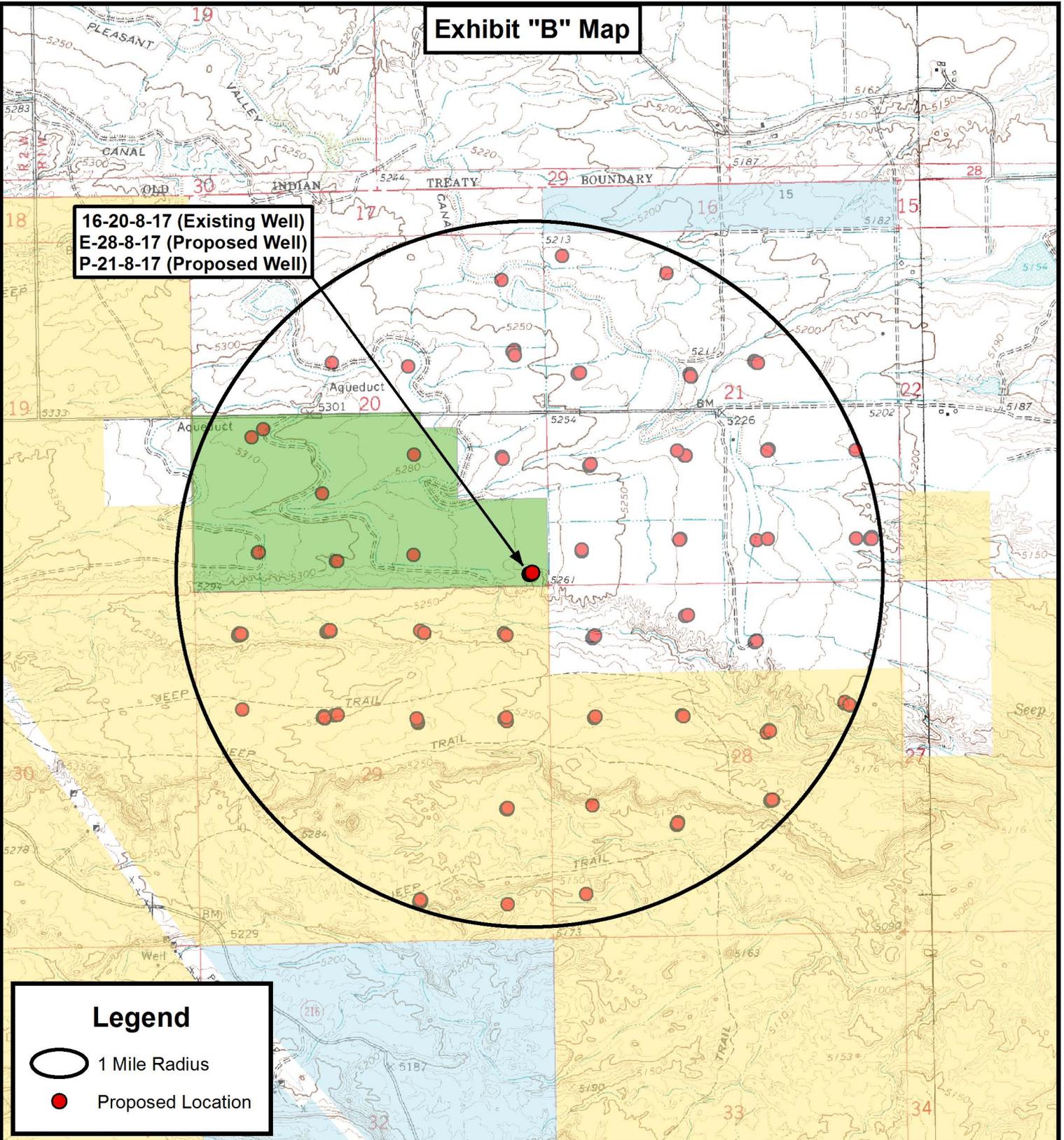
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-04-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

16-20-8-17 (Existing Well)
E-28-8-17 (Proposed Well)
P-21-8-17 (Proposed Well)



Legend

-  1 Mile Radius
-  Proposed 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

16-20-8-17 (Existing Well)
E-28-8-17 (Proposed Well)
P-21-8-17 (Proposed Well)
 SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-04-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
16-20-8-17	Surface Hole	40° 05' 48.15" N	110° 01' 18.72" W
E-28-8-17	Surface Hole	40° 05' 48.24" N	110° 01' 18.47" W
P-21-8-17	Surface Hole	40° 05' 48.32" N	110° 01' 18.22" W
E-28-8-17	Center of Pattern	40° 05' 42.84" N	110° 01' 14.36" W
P-21-8-17	Center of Pattern	40° 05' 59.20" N	110° 01' 15.11" W
E-28-8-17	Bottom of Hole	40° 05' 41.60" N	110° 01' 13.42" W
P-21-8-17	Bottom of Hole	40° 06' 01.80" N	110° 01' 14.37" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
16-20-8-17	Surface Hole	40.096709	110.021867
E-28-8-17	Surface Hole	40.096732	110.021798
P-21-8-17	Surface Hole	40.096756	110.021728
E-28-8-17	Center of Pattern	40.095232	110.020656
P-21-8-17	Center of Pattern	40.099777	110.020865
E-28-8-17	Bottom of Hole	40.094890	110.020395
P-21-8-17	Bottom of Hole	40.100501	110.020658
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
16-20-8-17	Surface Hole	4438949.413	583375.957
E-28-8-17	Surface Hole	4438952.127	583381.821
P-21-8-17	Surface Hole	4438954.842	583387.686
E-28-8-17	Center of Pattern	4438786.705	583480.993
P-21-8-17	Center of Pattern	4439290.953	583457.600
E-28-8-17	Bottom of Hole	4438748.968	583503.617
P-21-8-17	Bottom of Hole	4439371.518	583474.358
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
16-20-8-17	Surface Hole	40° 05' 48.29" N	110° 01' 16.18" W
E-28-8-17	Surface Hole	40° 05' 48.37" N	110° 01' 15.93" W
P-21-8-17	Surface Hole	40° 05' 48.46" N	110° 01' 15.68" W
E-28-8-17	Center of Pattern	40° 05' 42.97" N	110° 01' 11.82" W
P-21-8-17	Center of Pattern	40° 05' 59.34" N	110° 01' 12.58" W
E-28-8-17	Bottom of Hole	40° 05' 41.74" N	110° 01' 10.88" W
P-21-8-17	Bottom of Hole	40° 06' 01.94" N	110° 01' 11.83" W



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

NEWFIELD EXPLORATION COMPANY

16-20-8-17 (Existing Well)
E-28-8-17 (Proposed Well)
P-21-8-17 (Proposed Well)
SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.
DATE: 04-04-2013
VERSION: V2

REVISED:

COORDINATE REPORT

SHEET

1

RECEIVED: September 30, 2013



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 20 T8S, R17E
P-21-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

13 March, 2013





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Site:	SECTION 20 T8S, R17E	North Reference:	True
Well:	P-21-8-17	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 20 T8S, R17E				
Site Position:		Northing:	7,210,719.77 ft	Latitude:	40° 6' 21.320 N
From:	Lat/Long	Easting:	2,053,670.54 ft	Longitude:	110° 1' 20.880 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.95 °

Well	P-21-8-17, SHL LAT: 40 05 48.32 LONG: -110 01 18.22					
Well Position	+N/-S	-3,339.1 ft	Northing:	7,207,384.58 ft	Latitude:	40° 5' 48.320 N
	+E/-W	206.7 ft	Easting:	2,053,932.36 ft	Longitude:	110° 1' 18.220 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,271.0 ft	Ground Level:	5,259.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/13/2013	11.08	65.80	52,134

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	11.43

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	
1,579.6	14.69	11.43	1,568.9	122.5	24.8	1.50	1.50	1.17	11.43	
5,529.9	14.69	11.43	5,390.0	1,104.6	223.4	0.00	0.00	0.00	0.00	P-21-8-17 TGT
6,594.7	14.69	11.43	6,420.0	1,369.4	276.9	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Site:	SECTION 20 T8S, R17E	North Reference:	True
Well:	P-21-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	11.43	700.0	1.3	0.3	1.3	1.50	1.50	0.00
800.0	3.00	11.43	799.9	5.1	1.0	5.2	1.50	1.50	0.00
900.0	4.50	11.43	899.7	11.5	2.3	11.8	1.50	1.50	0.00
1,000.0	6.00	11.43	999.3	20.5	4.1	20.9	1.50	1.50	0.00
1,100.0	7.50	11.43	1,098.6	32.0	6.5	32.7	1.50	1.50	0.00
1,200.0	9.00	11.43	1,197.5	46.1	9.3	47.0	1.50	1.50	0.00
1,300.0	10.50	11.43	1,296.1	62.7	12.7	64.0	1.50	1.50	0.00
1,400.0	12.00	11.43	1,394.2	81.8	16.5	83.5	1.50	1.50	0.00
1,500.0	13.50	11.43	1,491.7	103.4	20.9	105.5	1.50	1.50	0.00
1,579.6	14.69	11.43	1,568.9	122.5	24.8	124.9	1.50	1.50	0.00
1,600.0	14.69	11.43	1,588.6	127.5	25.8	130.1	0.00	0.00	0.00
1,700.0	14.69	11.43	1,685.4	152.4	30.8	155.5	0.00	0.00	0.00
1,800.0	14.69	11.43	1,782.1	177.2	35.8	180.8	0.00	0.00	0.00
1,900.0	14.69	11.43	1,878.8	202.1	40.9	206.2	0.00	0.00	0.00
2,000.0	14.69	11.43	1,975.5	227.0	45.9	231.6	0.00	0.00	0.00
2,100.0	14.69	11.43	2,072.3	251.8	50.9	256.9	0.00	0.00	0.00
2,200.0	14.69	11.43	2,169.0	276.7	56.0	282.3	0.00	0.00	0.00
2,300.0	14.69	11.43	2,265.7	301.6	61.0	307.7	0.00	0.00	0.00
2,400.0	14.69	11.43	2,362.5	326.4	66.0	333.0	0.00	0.00	0.00
2,500.0	14.69	11.43	2,459.2	351.3	71.0	358.4	0.00	0.00	0.00
2,600.0	14.69	11.43	2,555.9	376.1	76.1	383.8	0.00	0.00	0.00
2,700.0	14.69	11.43	2,652.7	401.0	81.1	409.1	0.00	0.00	0.00
2,800.0	14.69	11.43	2,749.4	425.9	86.1	434.5	0.00	0.00	0.00
2,900.0	14.69	11.43	2,846.1	450.7	91.2	459.9	0.00	0.00	0.00
3,000.0	14.69	11.43	2,942.8	475.6	96.2	485.2	0.00	0.00	0.00
3,100.0	14.69	11.43	3,039.6	500.5	101.2	510.6	0.00	0.00	0.00
3,200.0	14.69	11.43	3,136.3	525.3	106.2	536.0	0.00	0.00	0.00
3,300.0	14.69	11.43	3,233.0	550.2	111.3	561.3	0.00	0.00	0.00
3,400.0	14.69	11.43	3,329.8	575.1	116.3	586.7	0.00	0.00	0.00
3,500.0	14.69	11.43	3,426.5	599.9	121.3	612.1	0.00	0.00	0.00
3,600.0	14.69	11.43	3,523.2	624.8	126.4	637.4	0.00	0.00	0.00
3,700.0	14.69	11.43	3,619.9	649.6	131.4	662.8	0.00	0.00	0.00
3,800.0	14.69	11.43	3,716.7	674.5	136.4	688.2	0.00	0.00	0.00
3,900.0	14.69	11.43	3,813.4	699.4	141.4	713.5	0.00	0.00	0.00
4,000.0	14.69	11.43	3,910.1	724.2	146.5	738.9	0.00	0.00	0.00
4,100.0	14.69	11.43	4,006.9	749.1	151.5	764.3	0.00	0.00	0.00
4,200.0	14.69	11.43	4,103.6	774.0	156.5	789.6	0.00	0.00	0.00
4,300.0	14.69	11.43	4,200.3	798.8	161.6	815.0	0.00	0.00	0.00
4,400.0	14.69	11.43	4,297.0	823.7	166.6	840.4	0.00	0.00	0.00
4,500.0	14.69	11.43	4,393.8	848.5	171.6	865.7	0.00	0.00	0.00
4,600.0	14.69	11.43	4,490.5	873.4	176.6	891.1	0.00	0.00	0.00
4,700.0	14.69	11.43	4,587.2	898.3	181.7	916.5	0.00	0.00	0.00
4,800.0	14.69	11.43	4,684.0	923.1	186.7	941.8	0.00	0.00	0.00
4,900.0	14.69	11.43	4,780.7	948.0	191.7	967.2	0.00	0.00	0.00
5,000.0	14.69	11.43	4,877.4	972.9	196.8	992.6	0.00	0.00	0.00
5,100.0	14.69	11.43	4,974.2	997.7	201.8	1,017.9	0.00	0.00	0.00
5,200.0	14.69	11.43	5,070.9	1,022.6	206.8	1,043.3	0.00	0.00	0.00



Payzone Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P-21-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	P-21-8-17 @ 5271.0ft (Original Well Elev)
Site:	SECTION 20 T8S, R17E	North Reference:	True
Well:	P-21-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	14.69	11.43	5,167.6	1,047.5	211.8	1,068.7	0.00	0.00	0.00
5,400.0	14.69	11.43	5,264.3	1,072.3	216.9	1,094.0	0.00	0.00	0.00
5,500.0	14.69	11.43	5,361.1	1,097.2	221.9	1,119.4	0.00	0.00	0.00
5,529.9	14.69	11.43	5,390.0	1,104.6	223.4	1,127.0	0.00	0.00	0.00
5,600.0	14.69	11.43	5,457.8	1,122.0	226.9	1,144.8	0.00	0.00	0.00
5,700.0	14.69	11.43	5,554.5	1,146.9	232.0	1,170.1	0.00	0.00	0.00
5,800.0	14.69	11.43	5,651.3	1,171.8	237.0	1,195.5	0.00	0.00	0.00
5,900.0	14.69	11.43	5,748.0	1,196.6	242.0	1,220.9	0.00	0.00	0.00
6,000.0	14.69	11.43	5,844.7	1,221.5	247.0	1,246.2	0.00	0.00	0.00
6,100.0	14.69	11.43	5,941.4	1,246.4	252.1	1,271.6	0.00	0.00	0.00
6,200.0	14.69	11.43	6,038.2	1,271.2	257.1	1,297.0	0.00	0.00	0.00
6,300.0	14.69	11.43	6,134.9	1,296.1	262.1	1,322.3	0.00	0.00	0.00
6,400.0	14.69	11.43	6,231.6	1,320.9	267.2	1,347.7	0.00	0.00	0.00
6,500.0	14.69	11.43	6,328.4	1,345.8	272.2	1,373.1	0.00	0.00	0.00
6,594.7	14.69	11.43	6,420.0	1,369.4	276.9	1,397.1	0.00	0.00	0.00

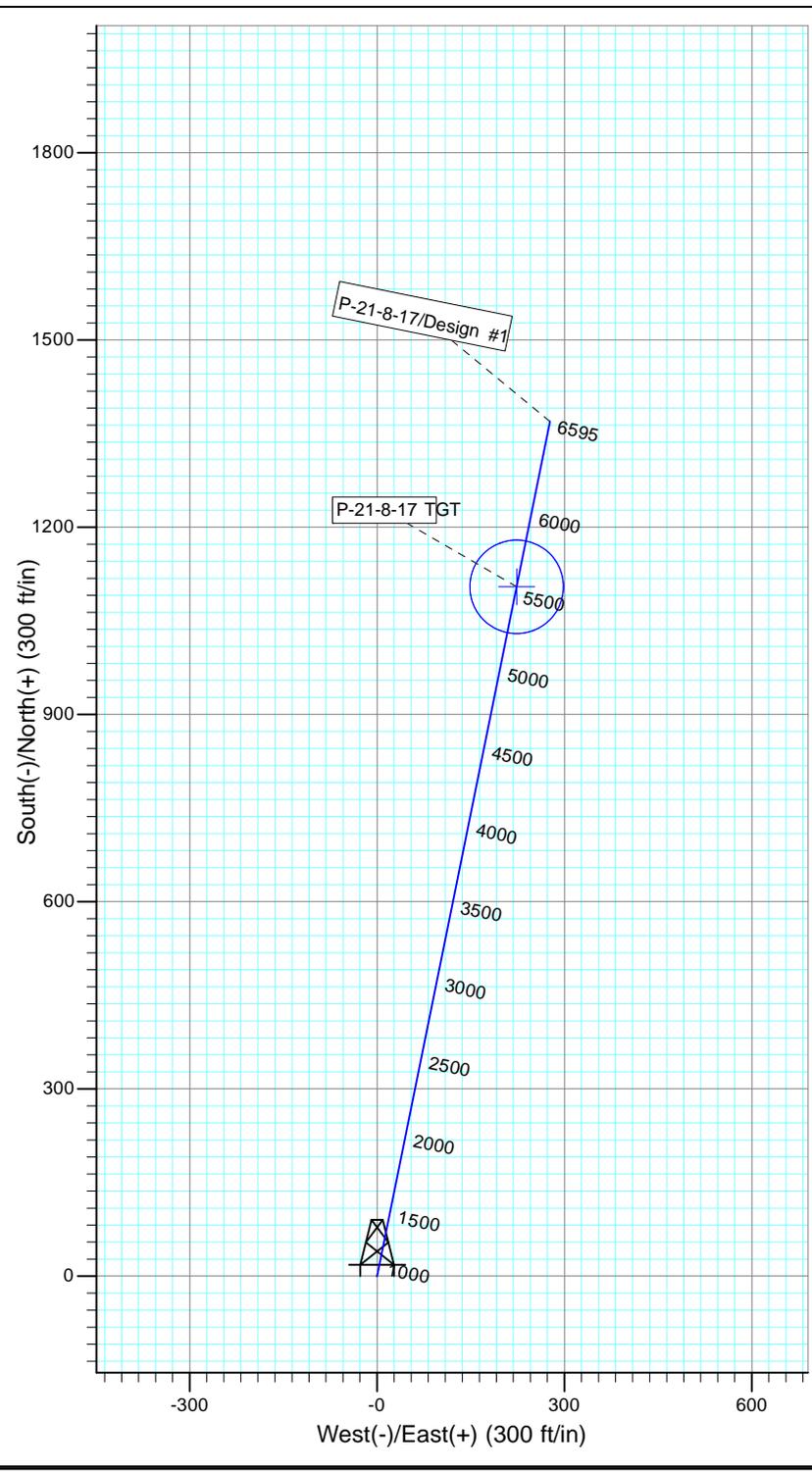
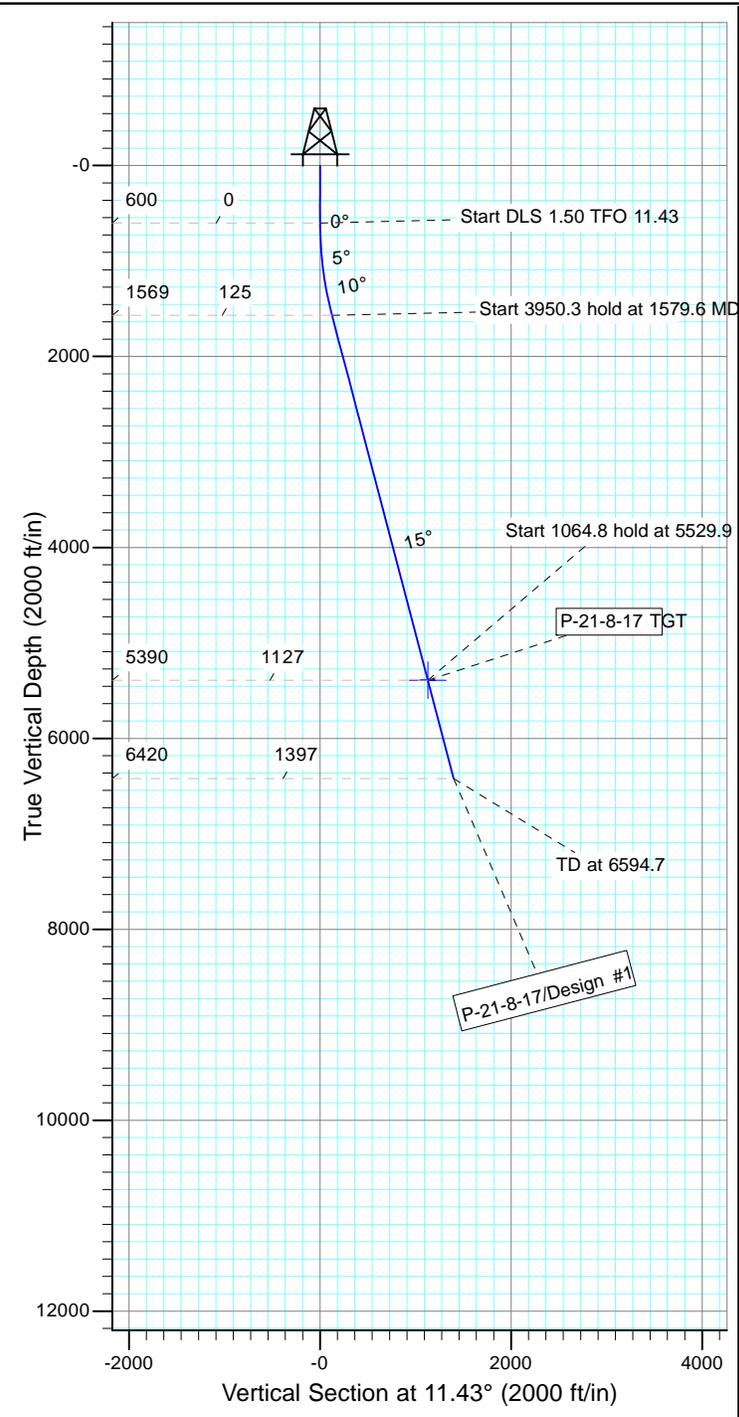


Project: USGS Myton SW (UT)
 Site: SECTION 20 T8S, R17E
 Well: P-21-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.08°

Magnetic Field
 Strength: 52134.0snT
 Dip Angle: 65.80°
 Date: 3/13/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
P-21-8-17 TGT	5390.0	1104.6	223.4	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	1579.6	14.69	11.43	1568.9	122.5	24.8	1.50	11.43	124.9	
4	5529.9	14.69	11.43	5390.0	1104.6	223.4	0.00	0.00	1127.0	P-21-8-17 TGT
5	6594.7	14.69	11.43	6420.0	1369.4	276.9	0.00	0.00	1397.1	



**NEWFIELD PRODUCTION COMPANY
GMBU P-21-8-17
AT SURFACE: SE/SE SECTION 20, 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 Production Company well location site GMBU P-21-9-16 located in the NW 1/4 SE 1/4 Section 21, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 7.5 miles ± to it's junction with an existing road to the east; proceed in a easterly direction – 1.7 miles ± to it's junction with the beginning of the access road to the existing 16-20-8-17 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 16-20-8-17 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

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

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

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

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-169 7/11/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, Wade E Miller, Report dated 7/10/2013.

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 P-21-8-17, 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 P-21-8-17, 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 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

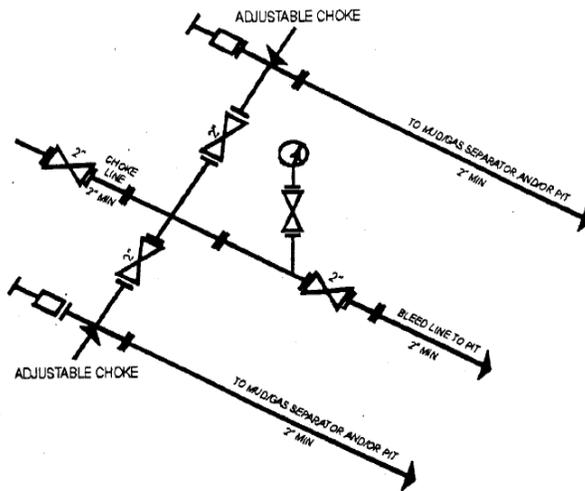
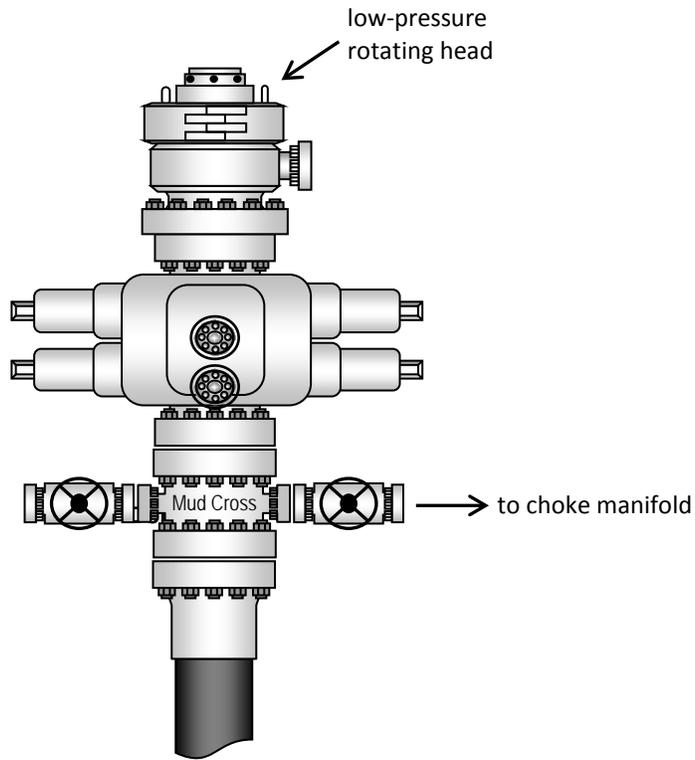
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #P-21-8-17, Section 20, Township 8S, Range 17E: Lease UTU-76954 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage 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.

9/30/13
Date

Heather Calder
Production Technician
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

16-20-8-17 (Existing Well)

E-28-8-17 (Proposed Well)

P-21-8-17 (Proposed Well)

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

E-28-8-17
197' FSL & 251' FEL
P-21-8-17
205' FSL & 231' FEL

CENTER OF PATTERN FOOTAGES

E-28-8-17
350' FNL & 70' FWL
P-21-8-17
1306' FSL & 8' FWL

BOTTOM HOLE FOOTAGES

E-28-8-17
475' FNL & 143' FWL
P-21-8-17
1570' FSL & 65' FWL

Note:
Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
E-28-8-17	-541'	329'
P-21-8-17	1,105'	223'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
E-28-8-17	-665'	404'
P-21-8-17	1,369'	277'

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

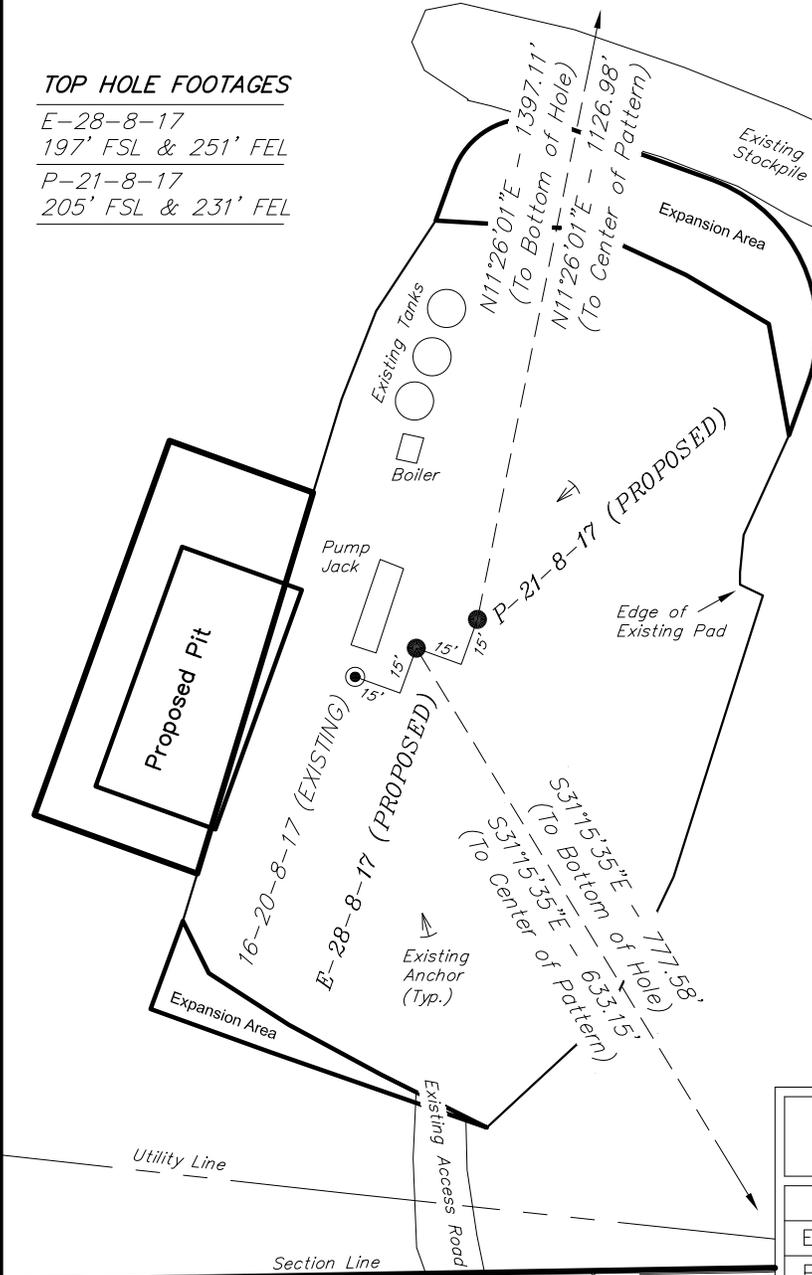
WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 42.84"	110° 01' 14.36"
P-21-8-17	40° 05' 59.20"	110° 01' 15.11"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 41.60"	110° 01' 13.42"
P-21-8-17	40° 06' 01.80"	110° 01' 14.37"

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
16-20-8-17	40° 05' 48.15"	110° 01' 18.72"
E-28-8-17	40° 05' 48.24"	110° 01' 18.47"
P-21-8-17	40° 05' 48.32"	110° 01' 18.22"



SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION: V2
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

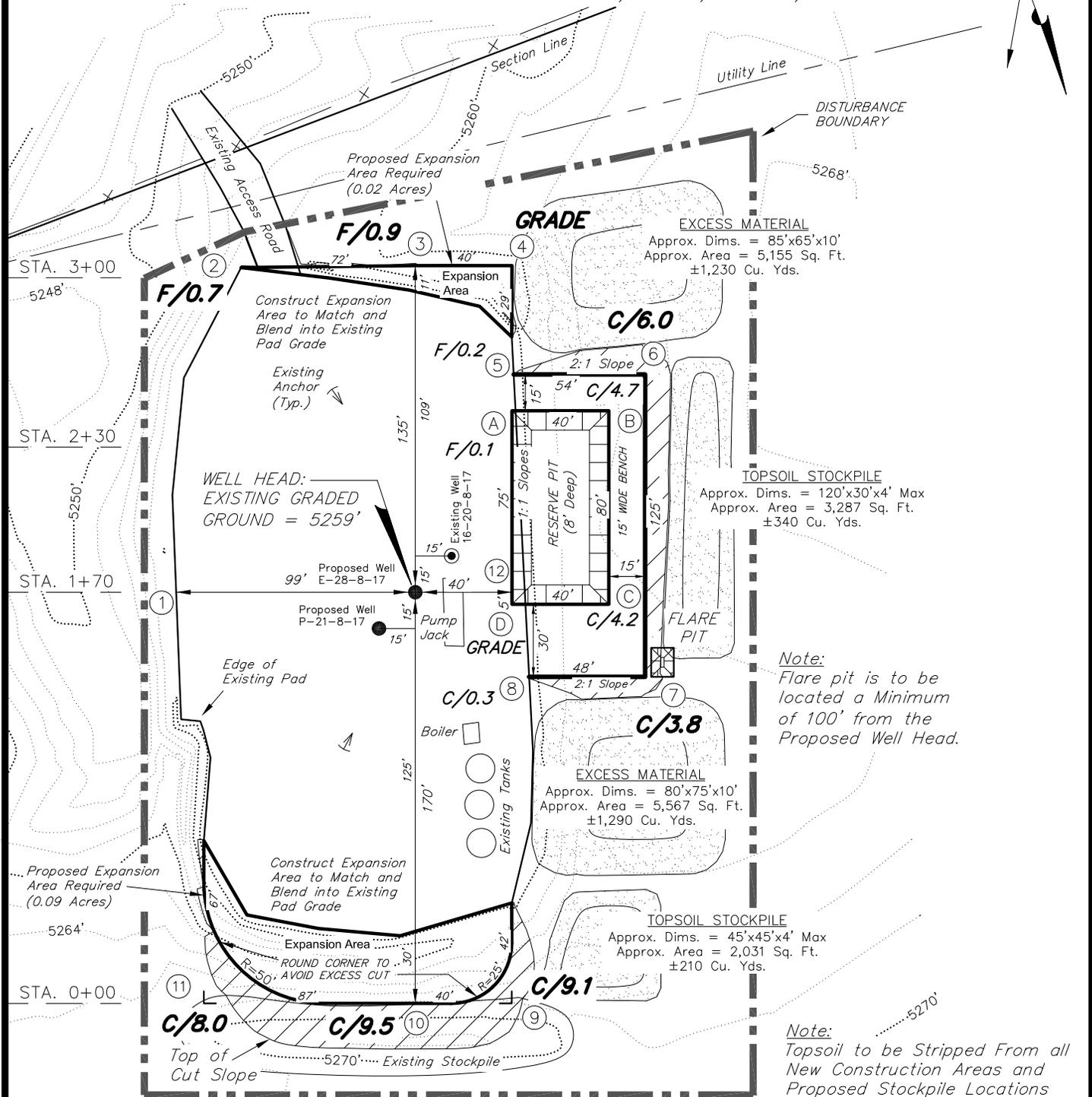
LOCATION LAYOUT

16-20-8-17 (Existing Well)

E-28-8-17 (Proposed Well)

P-21-8-17 (Proposed Well)

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



NOTE:
 The topsoil & excess material areas are calculated as being mounds containing 3,070 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

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

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V2
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

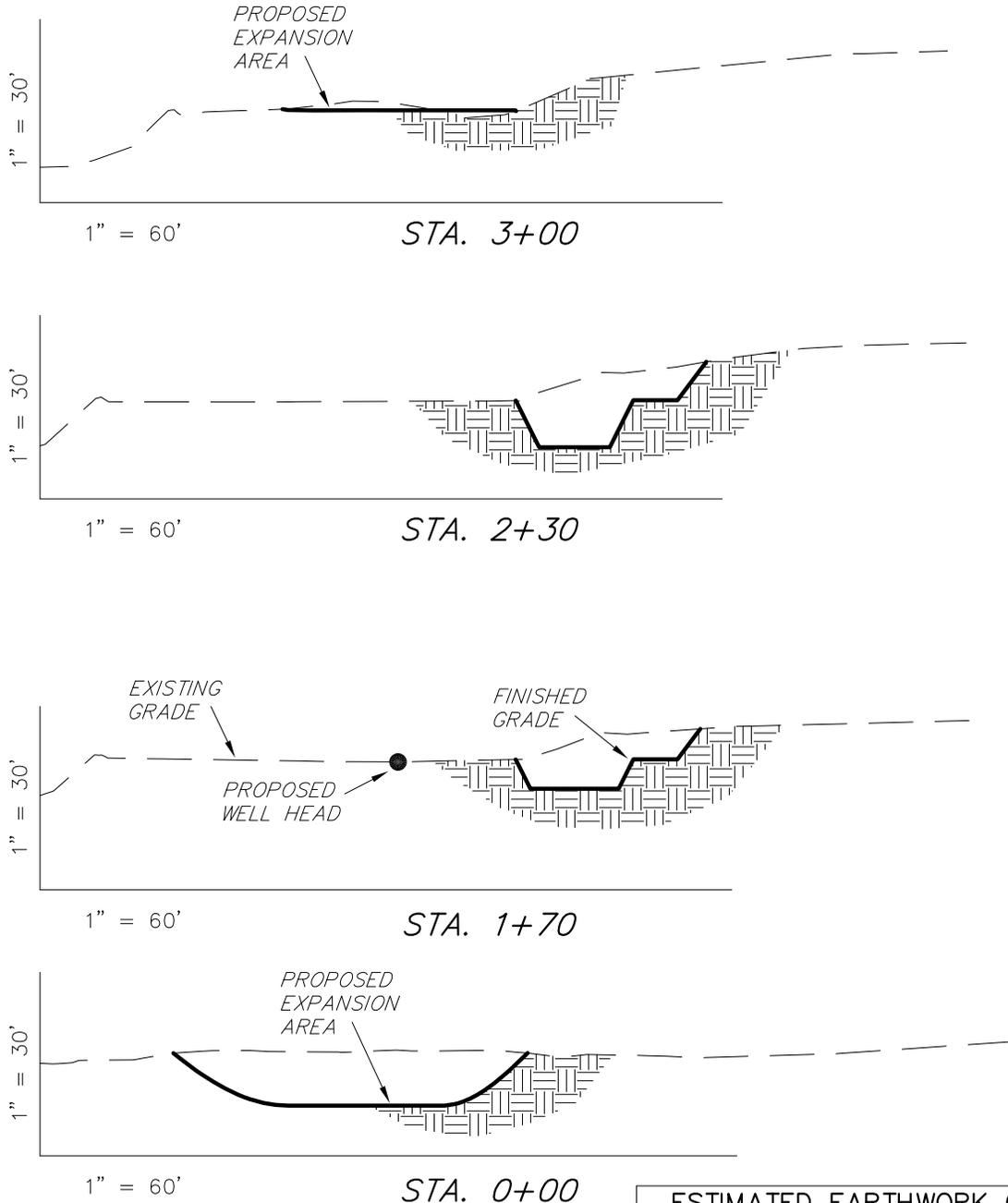
CROSS SECTIONS

16-20-8-17 (Existing Well)

E-28-8-17 (Proposed Well)

P-21-8-17 (Proposed Well)

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,630	30	Topsoil is not included in Pad Cut	1,600
PIT	690	0		690
TOTALS	2,320	30	500	2,290

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V2
SCALE: 1" = 60'	REVISED:	

(435) 781-2501

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

NEWFIELD EXPLORATION COMPANY

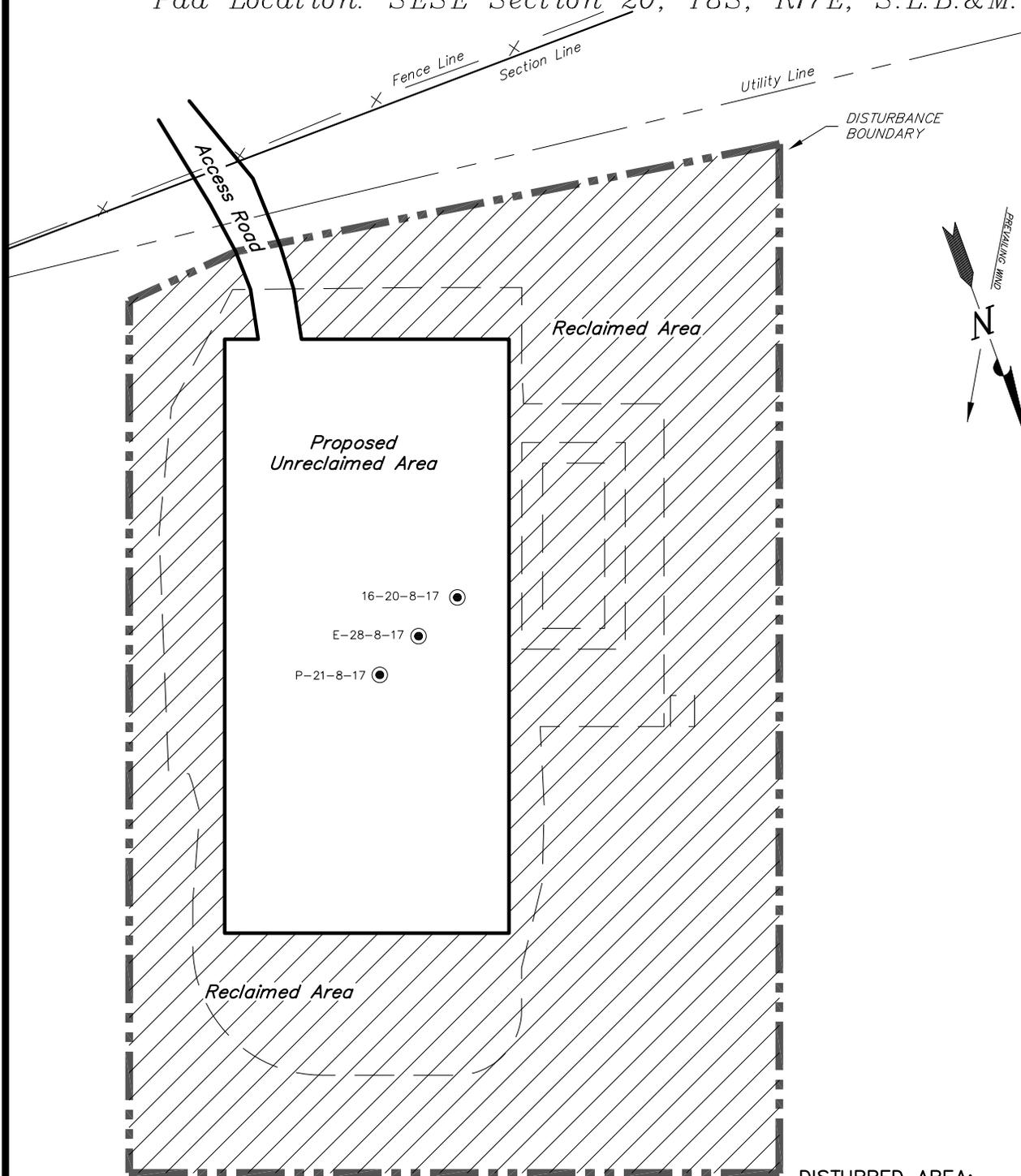
RECLAMATION LAYOUT

16-20-8-17 (Existing Well)

E-28-8-17 (Proposed Well)

P-21-8-17 (Proposed Well)

Pad Location: SESE Section 20, 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 = ±2.15 ACRES
 TOTAL RECLAIMED AREA = ±1.56 ACRES
 UNRECLAIMED AREA = ±0.59 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V2
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

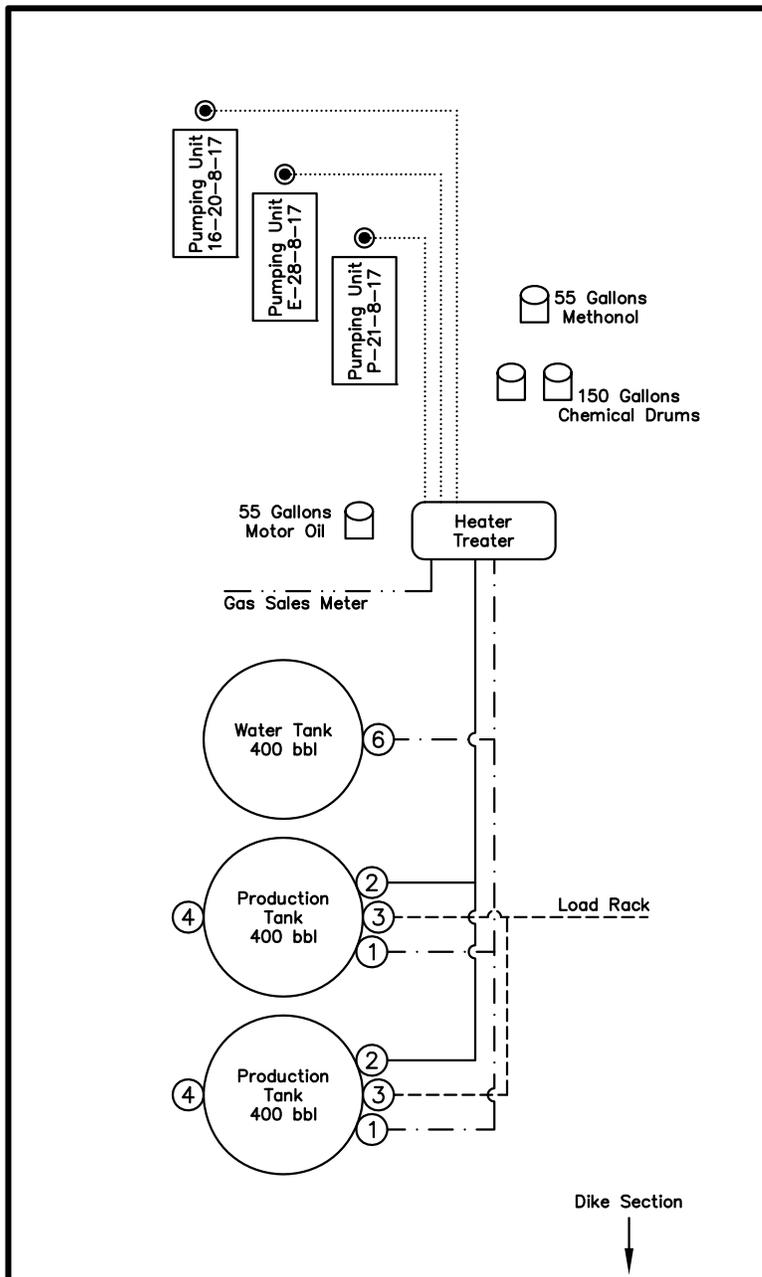
PROPOSED SITE FACILITY DIAGRAM

16-20-8-17 (Existing Well) UTU-76954

E-28-8-17 (Proposed Well) UTU-76954

P-21-8-17 (Proposed Well) UTU-76954

*Pad Location: SESE Section 20, 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: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V2
SCALE: NONE	REVISED:	

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

NEWFIELD



VIA ELECTRONIC DELIVERY

October 21, 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 P-21-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 20: SESE (UTU-76954)
205' FSL 231' FEL

At Target: T8S-R17E Section 21: NWSW (UTU-76954)
1570' FSL 65' 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 10/08/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,
Newfield Production Company

Leslie Burget
Land Associate

Form 3160-3
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. UTU76954
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: HEATHER CALDER E-Mail: hcalder@newfield.com		7. If Unit or CA Agreement, Name and No. GMBU
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU P-21-8-17
3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-4936		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 205FSL 231FEL At proposed prod. zone NWSW 1570FSL 65FWL		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 10.6 MILES SOUTH OF MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 20 T8S R17E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 65'	16. No. of Acres in Lease 1561.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 809'	19. Proposed Depth 6595 MD 6420 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5259 GL	22. Approximate date work will start 01/01/2014	17. Spacing Unit dedicated to this well 20.00
		20. BLM/BIA Bond No. on file WYB000493
		23. Estimated duration 7 DAYS

24. Attachments

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

- | | |
|---|--|
| 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) HEATHER CALDER Ph: 435-646-4936	Date 10/08/2013
Title PRODUCTION TECHNICIAN		
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 #222168 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal****** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

API Well Number: 43013525220000

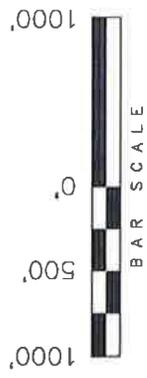
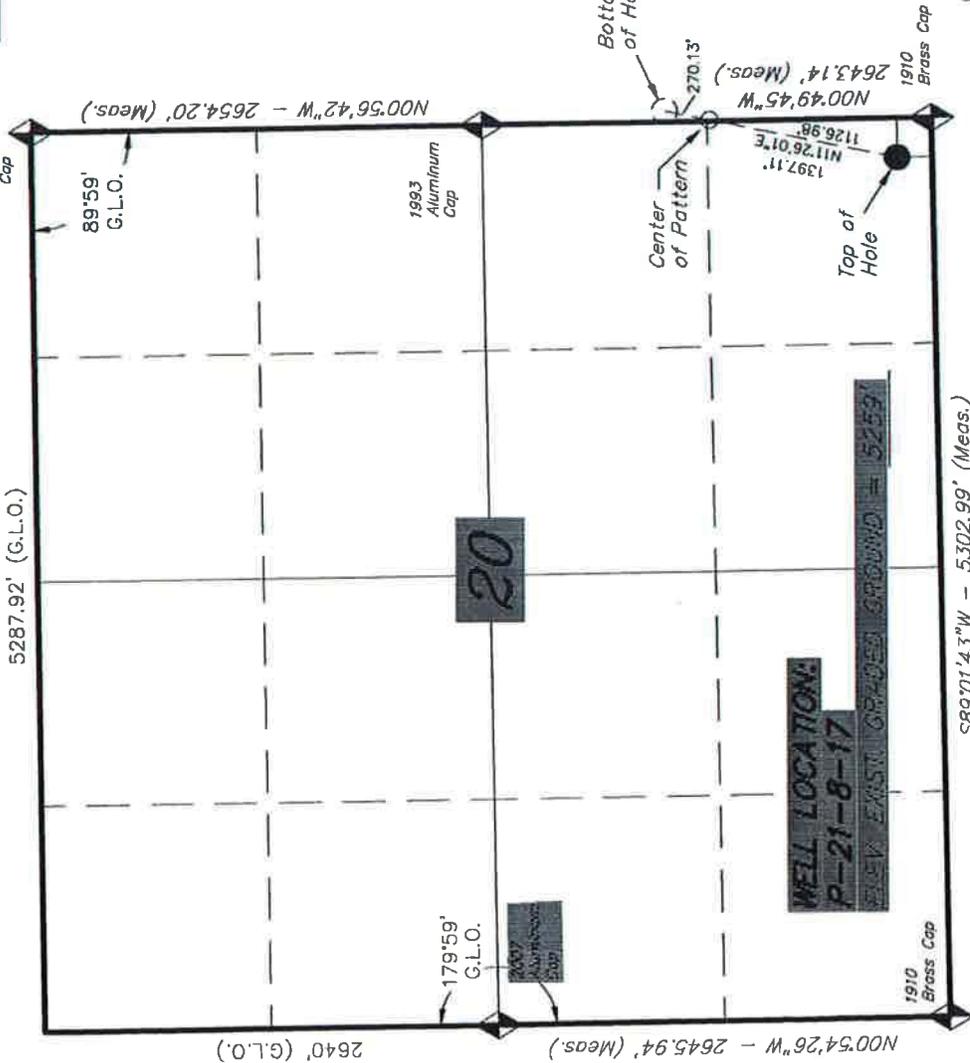
Additional Operator Remarks:

SURFACE HOLE LEASE:UTU76954
BOTTOM HOLE LEASE:UTU76954

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

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, P-21-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 20, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



- NOTES:**
- Well footages are measured at right angles to the Section Lines.
 - Bearings are based on Global Positioning Satellite observations.
 - The Top of Hole footages are 205' FSL & 231' FEL.



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

REGISTERED LAND SURVEYOR
STACY W.
 04-03-13
 REG. NO. 189377
 STATE OF UTAH

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

DATE SURVEYED:	01-22-13	SURVEYED BY:	Q.M.	VERSION:
DATE DRAWN:	04-03-13	DRAWN BY:	F.T.M.	V2
REVISED:		SCALE:	1" = 1000'	

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°05'48.32"
LONGITUDE = 110°01'18.22"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°05'48.46"
LONGITUDE = 110°01'15.66"

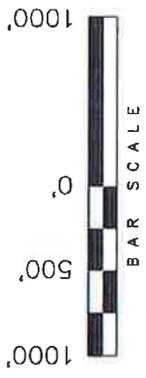
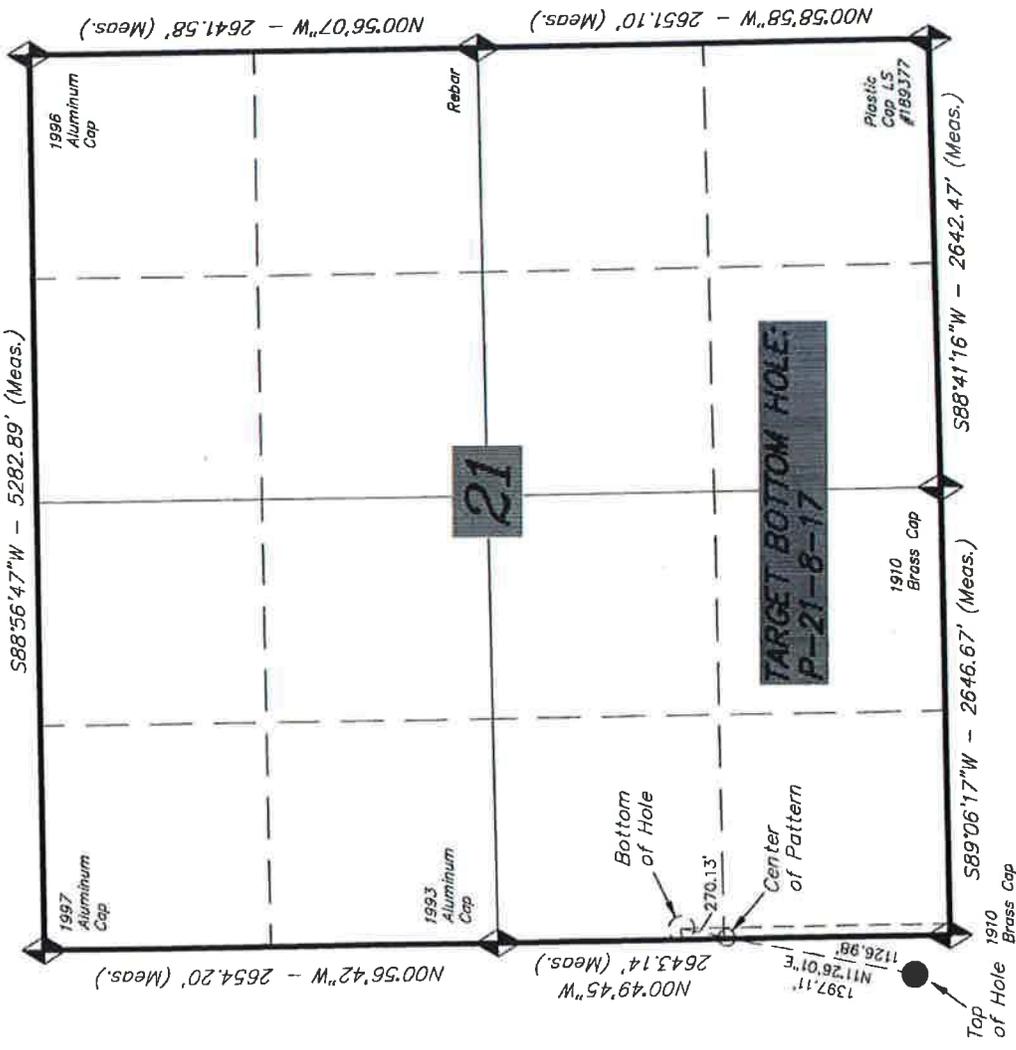
◆ = SECTION CORNERS LOCATED

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'

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

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, P-21-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 21, 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 footages are 1306' FSL & 8' FWL.
 4. The Bottom of Hole footages are 1570' FSL & 65' FWL.

◆ = SECTION CORNERS LOCATED

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

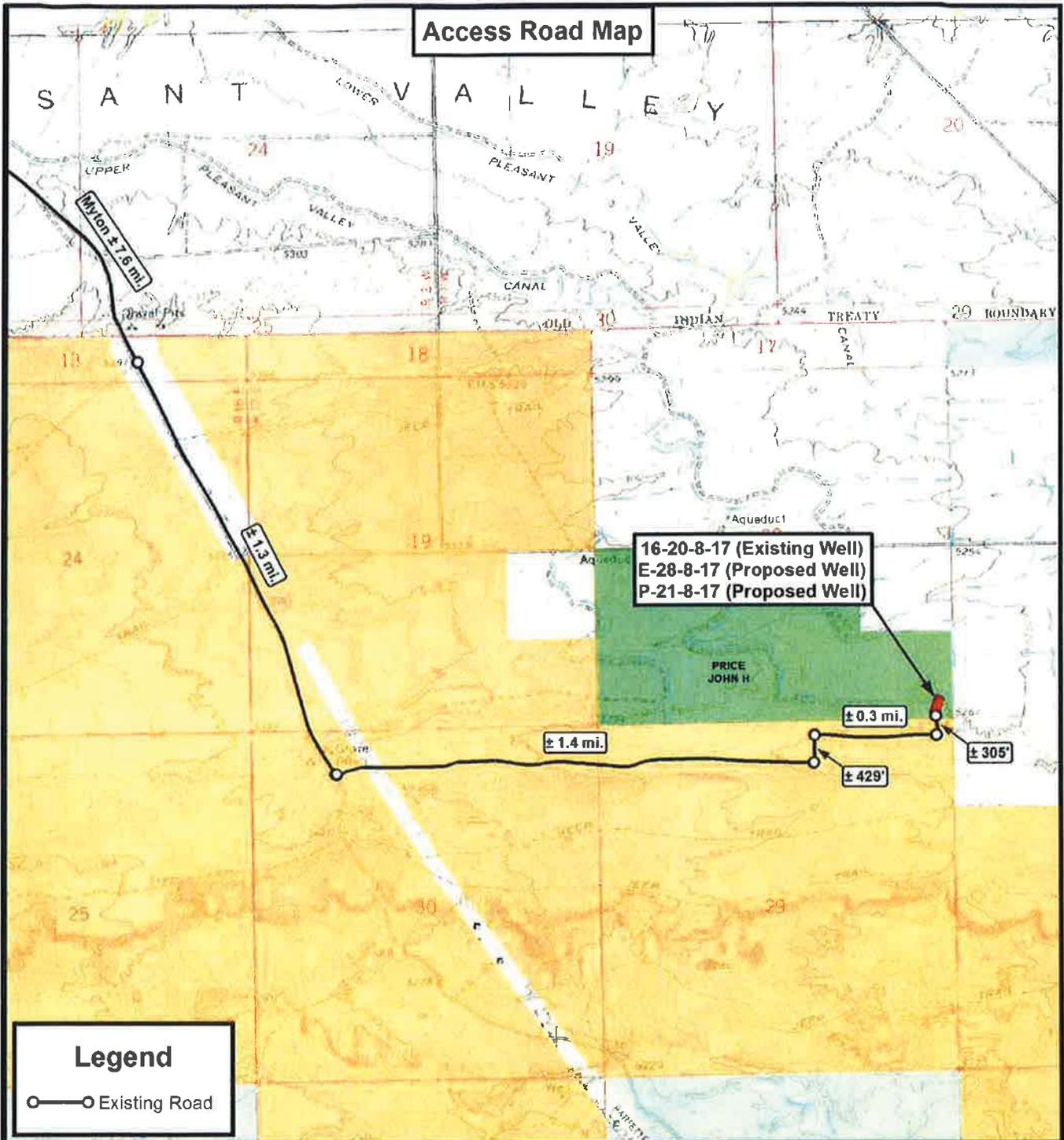
REGISTERED LAND SURVEYOR
STACY W. STEWART
 REGISTRATION # 189377
 04-03-13
 STATE OF UTAH

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

DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

NAD 83 (CENTER OF PATTERN) LATITUDE = 40°05'59.20" LONGITUDE = 110°01'15.11"	NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 40°06'01.80" LONGITUDE = 110°01'14.37"
NAD 27 (CENTER OF PATTERN) LATITUDE = 40°05'59.34" LONGITUDE = 110°01'12.58"	NAD 27 (BOTTOM HOLE LOCATION) LATITUDE = 40°06'01.94" LONGITUDE = 110°01'11.83"

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'



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
 16-20-8-17 (Existing Well)
 E-28-8-17 (Proposed Well)
 P-21-8-17 (Proposed Well)
 SEC. 20, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-04-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

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)

October 21, 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
43-013-52485	GMBU G-27-9-15	Sec 27 T09S R15E 0470 FNL 0551 FWL
	BHL	Sec 27 T09S R15E 1399 FNL 0940 FWL
43-013-52486	GMBU X-22-9-15	Sec 27 T09S R15E 0455 FNL 0565 FWL
	BHL	Sec 22 T09S R15E 0044 FSL 1224 FWL
43-013-52487	GMBU H-25-9-15	Sec 25 T09S R15E 0777 FNL 2061 FWL
	BHL	Sec 25 T09S R15E 1357 FNL 2496 FEL
43-013-52488	GMBU G-25-9-15	Sec 25 T09S R15E 0756 FNL 2061 FWL
	BHL	Sec 25 T09S R15E 1236 FNL 0951 FWL
43-013-52489	GMBU V-20-8-17	Sec 29 T08S R17E 0632 FNL 1913 FEL
	BHL	Sec 20 T08S R17E 0181 FSL 1173 FEL
43-013-52490	GMBU H-29-8-17	Sec 29 T08S R17E 0647 FNL 1897 FEL
	BHL	Sec 29 T08S R17E 1541 FNL 2455 FWL
43-013-52491	GMBU I-28-8-17	Sec 28 T08S R17E 0874 FNL 2191 FEL
	BHL	Sec 28 T08S R17E 1553 FNL 1190 FEL
43-013-52492	GMBU H-28-8-17	Sec 28 T08S R17E 0888 FNL 2206 FEL
	BHL	Sec 28 T08S R17E 1390 FNL 2563 FWL
43-013-52494	GMBU P-22-9-16	Sec 21 T09S R16E 0657 FSL 0813 FEL
	BHL	Sec 22 T09S R16E 1797 FSL 0118 FWL
43-013-52499	GMBU P-23-9-15	Sec 22 T09S R15E 1910 FSL 0662 FEL
	BHL	Sec 23 T09S R15E 1089 FSL 0305 FWL

RECEIVED: October 22, 2013

API #	WELL NAME	LOCATION						
43-013-52500	GMBU S-22-9-15	Sec 22	T09S	R15E	1906	FSL	0683	FEL
		BHL Sec 22	T09S	R15E	1086	FSL	1581	FEL
43-013-52501	GMBU O-23-9-15	Sec 22	T09S	R15E	1831	FNL	0728	FEL
		BHL Sec 23	T09S	R15E	2450	FSL	0110	FWL
43-013-52502	GMBU L-22-9-15	Sec 22	T09S	R15E	1851	FNL	0734	FEL
		BHL Sec 22	T09S	R15E	2488	FSL	1446	FEL
43-013-52503	GMBU P-1-9-15	Sec 02	T09S	R15E	2003	FSL	0632	FEL
		BHL Sec 01	T09S	R15E	1252	FSL	0190	FWL
43-013-52504	GMBU 126-6-9-17	Sec 06	T09S	R17E	1836	FSL	1794	FEL
		BHL Sec 06	T09S	R17E	1000	FSL	2143	FEL
43-013-52505	GMBU I-20-9-17	Sec 20	T09S	R17E	0581	FNL	0801	FEL
		BHL Sec 20	T09S	R17E	1665	FNL	1455	FEL
43-013-52506	GMBU F-21-9-17	Sec 20	T09S	R17E	0568	FNL	0784	FEL
		BHL Sec 21	T09S	R17E	1586	FNL	0263	FWL
43-013-52507	GMBU D-19-9-17	Sec 18	T09S	R17E	0603	FSL	2008	FWL
		BHL Sec 19	T09S	R17E	0179	FNL	1064	FWL
43-013-52508	GMBU C-19-9-17	Sec 18	T09S	R17E	0610	FSL	2028	FWL
		BHL Sec 19	T09S	R17E	0188	FNL	2449	FEL
43-013-52509	GMBU P-18-9-17	Sec 13	T09S	R16E	0653	FSL	0640	FEL
		BHL Sec 18	T09S	R17E	1598	FSL	0129	FWL
43-013-52510	GMBU D-25-9-16	Sec 24	T09S	R16E	0654	FSL	2279	FWL
		BHL Sec 25	T09S	R16E	0099	FNL	1001	FWL
43-013-52512	GMBU C-25-9-16	Sec 24	T09S	R16E	0635	FSL	2288	FWL
		BHL Sec 25	T09S	R16E	0080	FNL	2548	FEL
43-013-52513	GMBU S-21-9-16	Sec 21	T09S	R16E	2010	FSL	1788	FEL
		BHL Sec 21	T09S	R16E	1155	FSL	1240	FEL
43-013-52514	GMBU L-21-9-16	Sec 21	T09S	R16E	2026	FSL	1774	FEL
		BHL Sec 21	T09S	R16E	2433	FNL	1158	FEL
43-013-52515	GMBU Q-17-9-16	Sec 17	T09S	R16E	0702	FSL	0826	FWL
		BHL Sec 17	T09S	R16E	1406	FSL	1459	FWL
43-013-52516	GMBU R-17-9-16	Sec 17	T09S	R16E	0789	FSL	1950	FEL
		BHL Sec 17	T09S	R16E	1550	FSL	2303	FWL
43-013-52517	GMBU E-19-9-17	Sec 13	T09S	R16E	0633	FSL	0632	FEL
		BHL Sec 19	T09S	R17E	0182	FNL	0180	FWL
43-013-52518	GMBU S-13-9-16	Sec 13	T09S	R16E	0708	FSL	1931	FEL
		BHL Sec 13	T09S	R16E	1525	FSL	1236	FEL
43-013-52519	GMBU B-24-9-16	Sec 13	T09S	R16E	0687	FSL	1927	FEL
		BHL Sec 24	T09S	R16E	0120	FNL	1237	FEL
43-013-52520	GMBU E-28-8-17	Sec 20	T08S	R17E	0197	FSL	0251	FEL
		BHL Sec 28	T08S	R17E	0475	FNL	0143	FWL
43-013-52521	GMBU R-27-9-15	Sec 27	T09S	R15E	0798	FSL	1816	FWL
		BHL Sec 27	T09S	R15E	1448	FSL	2496	FEL
43-013-52522	GMBU P-21-8-17	Sec 20	T08S	R17E	0205	FSL	0231	FEL
		BHL Sec 21	T08S	R17E	1570	FSL	0065	FWL
43-013-52523	GMBU Q-27-9-15	Sec 27	T09S	R15E	1791	FSL	0609	FWL
		BHL Sec 27	T09S	R15E	1015	FSL	1409	FWL

API #	WELL NAME	LOCATION						
43-013-52524	GMBU D-26-9-15	Sec 23	T09S	R15E	0648	FSL	0645	FWL
		BHL Sec 26	T09S	R15E	0188	FNL	1636	FWL
43-013-52525	GMBU A-27-9-15	Sec 23	T09S	R15E	0641	FSL	0625	FWL
		BHL Sec 27	T09S	R15E	0146	FNL	0271	FEL
43-013-52526	GMBU Q-26-9-15	Sec 26	T09S	R15E	0681	FSL	0646	FWL
		BHL Sec 26	T09S	R15E	1384	FSL	1518	FWL
43-013-52527	GMBU B-22-9-15	Sec 15	T09S	R15E	0567	FSL	1868	FEL
		BHL Sec 22	T09S	R15E	0303	FNL	1250	FEL
43-013-52528	GMBU Q-1-9-15	Sec 01	T09S	R15E	2078	FSL	0667	FWL
		BHL Sec 01	T09S	R15E	1330	FSL	1416	FWL
43-013-52529	GMBU C-28-8-17	Sec 21	T08S	R17E	0682	FSL	1993	FWL
		BHL Sec 28	T08S	R17E	0134	FNL	2455	FEL
43-013-52530	GMBU C-20-9-16	Sec 17	T09S	R16E	0770	FSL	1941	FEL
		BHL Sec 20	T09S	R16E	0200	FNL	2185	FWL
43-013-52531	GMBU D-20-9-16	Sec 17	T09S	R16E	0681	FSL	0821	FWL
		BHL Sec 20	T09S	R16E	0183	FNL	1441	FWL
43-013-52539	GMBU C-16-9-17	Sec 09	T09S	R17E	0642	FSL	1988	FWL
		BHL Sec 16	T09S	R17E	0166	FNL	2342	FEL
43-013-52540	GMBU X-1-9-15	Sec 12	T09S	R15E	0661	FNL	2004	FWL
		BHL Sec 01	T09S	R15E	0447	FSL	0992	FWL
43-013-52543	GMBU U-21-9-16	Sec 21	T09S	R16E	0638	FSL	0820	FEL
		BHL Sec 21	T09S	R16E	0084	FSL	0131	FEL
43-013-52569	GMBU V-27-8-17	Sec 34	T08S	R17E	0516	FNL	0714	FEL
		BHL Sec 27	T08S	R17E	0127	FSL	1481	FEL
43-013-52570	GMBU B-28-8-17	Sec 21	T08S	R17E	0617	FSL	0464	FEL
		BHL Sec 28	T08S	R17E	0152	FNL	1476	FEL
43-013-52571	GMBU Y-26-8-17	Sec 34	T08S	R17E	0492	FNL	0714	FEL
		BHL Sec 26	T08S	R17E	0118	FSL	0171	FWL
43-013-52572	GMBU C-34-8-17	Sec 27	T08S	R17E	0544	FSL	1734	FEL
		BHL Sec 34	T08S	R17E	0141	FNL	2341	FWL
43-013-52573	GMBU J-26-9-15	Sec 25	T09S	R15E	2080	FNL	0536	FWL
		BHL Sec 26	T09S	R15E	0988	FNL	0126	FEL
43-013-52574	GMBU N-25-9-15	Sec 25	T09S	R15E	2080	FNL	0557	FWL
		BHL Sec 25	T09S	R15E	2409	FSL	1553	FWL
43-013-52575	GMBU S-27-9-15	Sec 27	T09S	R15E	0639	FSL	0670	FEL
		BHL Sec 27	T09S	R15E	1438	FSL	1663	FEL
43-013-52578	GMBU J-16-9-17	Sec 15	T09S	R17E	2051	FNL	0763	FWL
		BHL Sec 16	T09S	R17E	1141	FNL	0047	FEL
43-013-52579	GMBU J-22-9-15	Sec 23	T09S	R15E	1834	FNL	0529	FWL
		BHL Sec 22	T09S	R15E	0993	FNL	0235	FEL
43-013-52580	GMBU N-23-9-15	Sec 23	T09S	R15E	1833	FNL	0550	FWL
		BHL Sec 23	T09S	R15E	2457	FSL	1365	FWL
43-013-52581	GMBU J-12-9-15	Sec 07	T09S	R16E	1992	FNL	0706	FWL
		BHL Sec 12	T09S	R15E	1030	FNL	0144	FEL
43-013-52582	GMBU L-20-9-17	Sec 20	T09S	R17E	2025	FNL	0636	FEL
		BHL Sec 20	T09S	R17E	2539	FSL	1389	FEL

API #	WELL NAME	LOCATION						
43-013-52583	GMBU F-22-9-16	Sec 21	T09S	R16E	1788	FNL	0767	FEL
		BHL Sec 22	T09S	R16E	1160	FNL	0221	FWL
43-013-52584	GMBU G-22-9-16	Sec 22	T09S	R16E	2299	FNL	2079	FWL
		BHL Sec 22	T09S	R16E	1261	FNL	1283	FWL
43-013-52585	GMBU N-22-9-16	Sec 22	T09S	R16E	2318	FNL	2070	FWL
		BHL Sec 22	T09S	R16E	2499	FSL	0960	FWL
43-013-52586	GMBU O-22-9-16	Sec 21	T09S	R16E	1809	FNL	0769	FEL
		BHL Sec 22	T09S	R16E	2496	FSL	0103	FWL
43-047-54059	GMBU C-26-8-17	Sec 23	T08S	R17E	0234	FSL	2047	FWL
		BHL Sec 26	T08S	R17E	0111	FNL	2544	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: 2013.10.21 14:14:44 -06'00'

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

MCoulthard:mc:10-21-13

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/30/2013

API NO. ASSIGNED: 43013525220000

WELL NAME: GMBU P-21-8-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: SESE 20 080S 170E

Permit Tech Review:

SURFACE: 0205 FSL 0231 FEL

Engineering Review:

BOTTOM: 1570 FSL 0065 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.09678

LONGITUDE: -110.02169

UTM SURF EASTINGS: 583391.00

NORTHINGS: 4438957.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76954

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

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU P-21-8-17
API Well Number: 43013525220000
Lease Number: UTU-76954
Surface Owner: FEDERAL
Approval Date: 10/22/2013

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
5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: GMBU P-21-8-17	
9. API NUMBER: 43013525220000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
COUNTY: DUCHESNE	
STATE: UTAH	

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	
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: 0205 FSL 0231 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 20 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: 5/22/2014	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="APD Revision"/>

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

The proposed GMBU P-21-8-17 will be drilled off of a Fee Surface Location. The original APD needs to be revised to show that John and Brenda Price (935 S Center Street, Midway, UT 84049) are the Fee Surface Owners of the SE/SE, Sec. 20 T8S R17E. The attached Surface Use Affidavit is attached.

Approved by the
 Utah Division of
 Oil, Gas and Mining

Date: July 02, 2014
 By: [Signature]

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 5/22/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013525220000

See attached Statement of Basis for Conditions of Approval.

Application for Permit to Drill

Statement of Basis

7/1/2014

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
8668	43-013-52522-00-00	LOCKED	OW	F	No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	GMBU P-21-8-17	Unit	GMBU (GRRV)		
Field	MONUMENT BUTTE	Type of Work	DRILL		
Location	SESE 20 8S 17E S 205 FSL 231 FEL GPS Coord (UTM) 583391E 4438957N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

7/1/2014
Date / Time

Surface Statement of Basis

The landowner or its representative was not in attendance for the pre-site inspection.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to have been adequate so far.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. Drilling only in winter and reserve pit closed and reclaimed by the following spring so as to not interrupt the landowners agricultural operations as promised him

Chris Jensen
Onsite Evaluator

6/25/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Drilling	Drilling only during winter months so as to not disturb agricultural activities as promised at onsite
Drilling	Promises made with surface owner and agreements reached at onsite are to be honored and timely executed
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations and closed and reclaimed by spring planting.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.

**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND
SURFACE USE AGREEMENT**

Peter Burns personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed E-28-8-17E and P-21-8-17E wells with a surface location to be positioned in the SESE of Section 20, Township 8 South, Range 17 East, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is John and Brenda Price, whose address is 935 S. Center Street, Midway, UT 84049 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated May 29, 1984 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



Peter Burns

ACKNOWLEDGEMENT

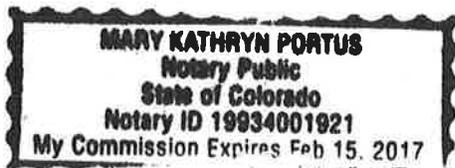
STATE OF COLORADO §
 §
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 10th day of December, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954	
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 P-21-8-17	
9. API NUMBER: 43013525220000	
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: 0205 FSL 0231 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 20 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: 7/14/2014	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Pad Expansion-closed loop"/>

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

Newfield Exploration would like to request a pad expansion on the P-21-8-17 (16-20-8-17 Host) to accommodate the Land Owners/Farmers request to not construct in his hay field. Additionally, Newfield would like to request that this well be drilled using a closed loop pit system and a small 40'x 30'x 10' cuttings pit that will be dug within the authorized footprint.

Approved by the
July 16, 2014
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Heather Calder	PHONE NUMBER 435 646-4936	TITLE Production Technician
SIGNATURE N/A	DATE 7/14/2014	

NEWFIELD EXPLORATION COMPANY

WELL PACKAGE COVER SHEET

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.

VERSION HISTORY

VERSION:	DATE:	NOTES:
V1	02-19-13	PRELIMINARY SHAPE FILE PACKAGE.
V2	04-03-13	FULL WELL PACKAGE.
V3	07-08-14	CHANGED TO CLOSED LOOP SYSTEM, WELL PACKAGE UPDATED TO CURRENT STANDARDS.

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
	DATE DRAWN: 04-03-13	V3
DRAWN BY: F.T.M.	REVISED: F.T.M. 07-08-14	



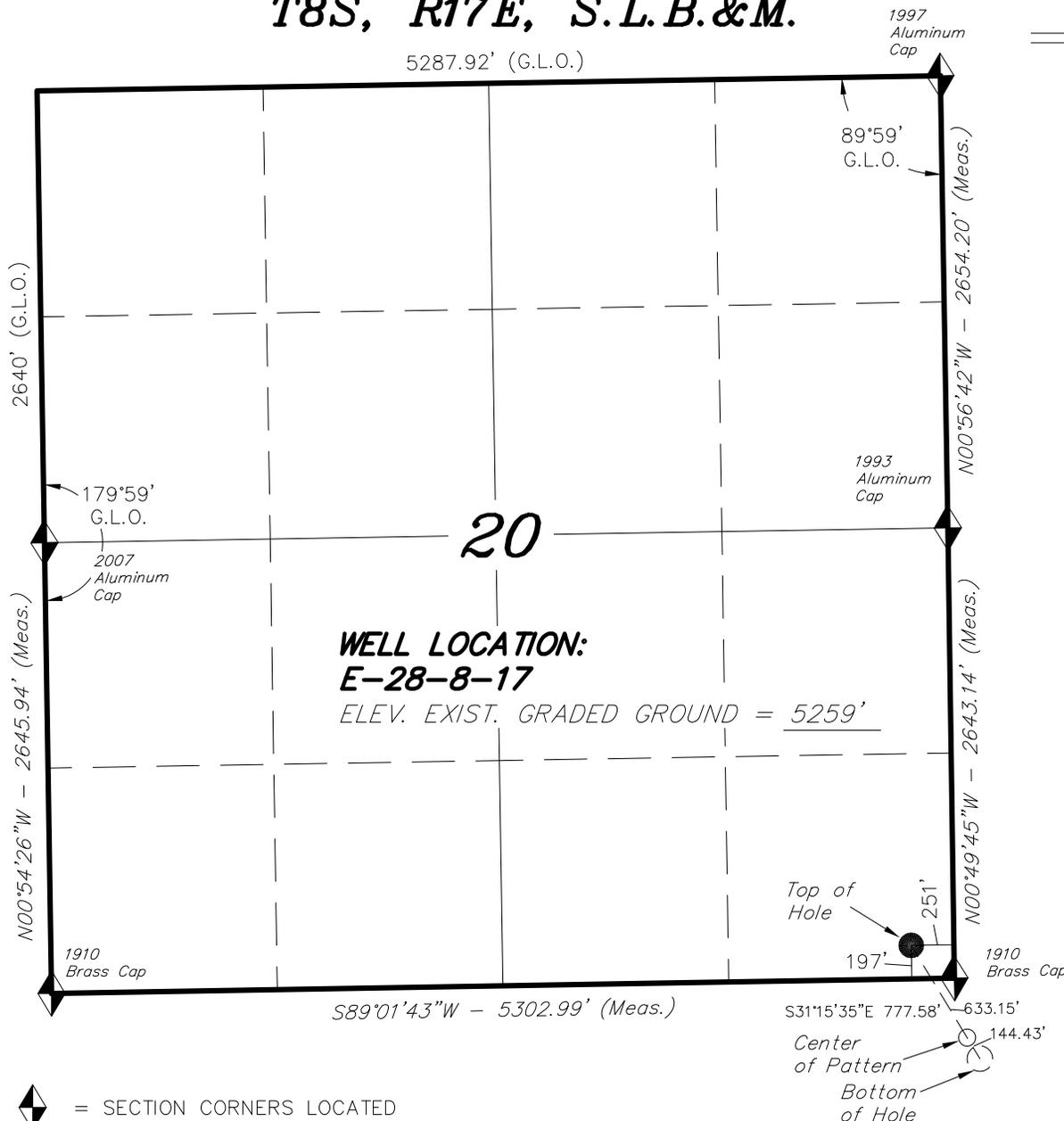
Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

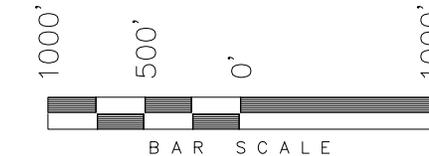
(435) 781-2501

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

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, E-28-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 20, 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.

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

REGISTERED LAND SURVEYOR
 REGISTRATION No. 16189377
 07-08-14
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 16189377
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

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

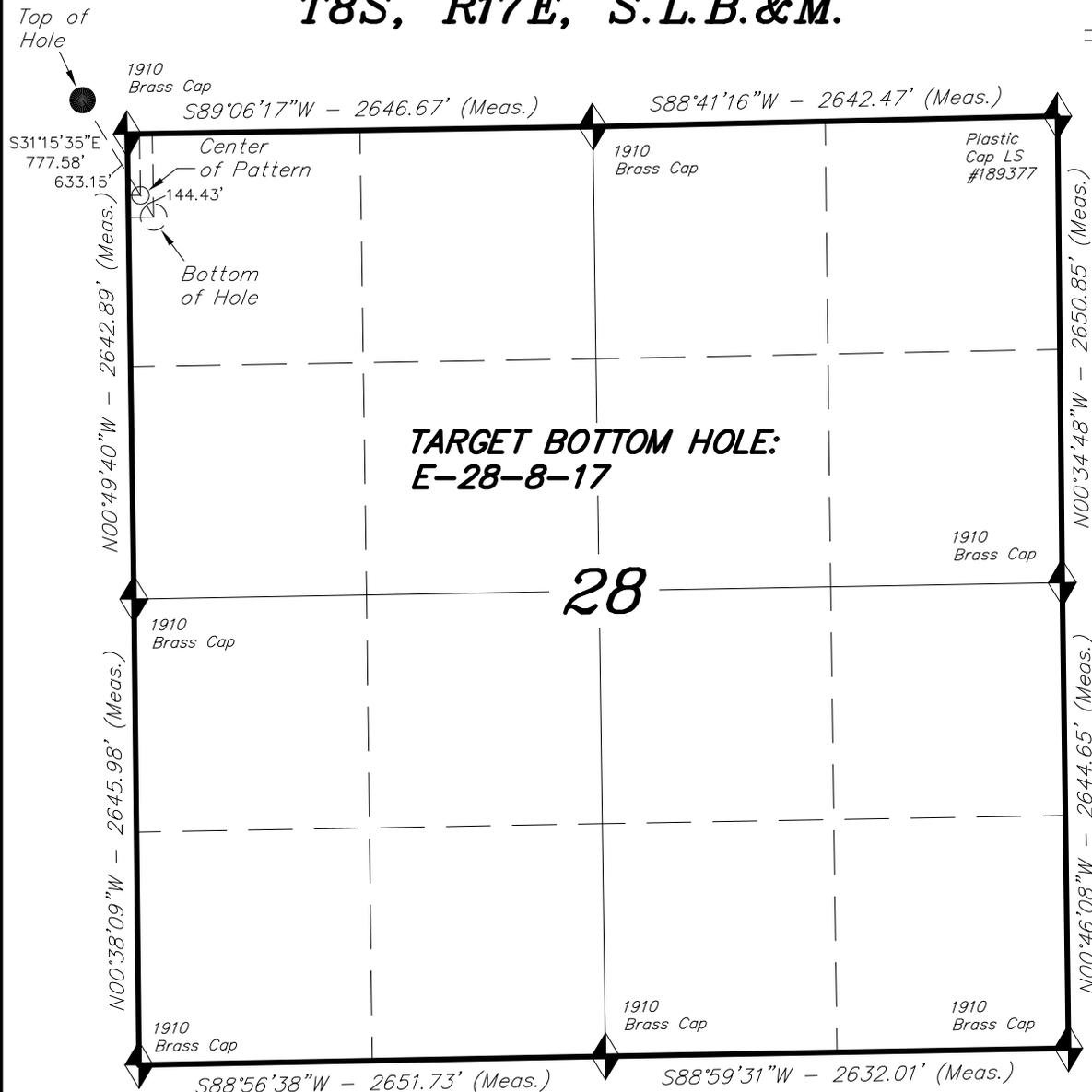
NAD 83 (SURFACE LOCATION)
LATITUDE = 40°05'48.24"
LONGITUDE = 110°01'18.47"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°05'48.37"
LONGITUDE = 110°01'15.93"

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

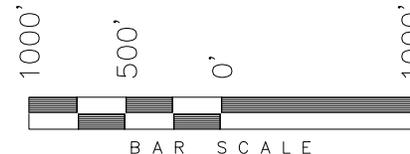
DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V3
REVISED: 07-08-14 F.T.M.	SCALE: 1" = 1000'	

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

NEWFIELD EXPLORATION COMPANY



TARGET BOTTOM HOLE, E-28-8-17, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 28, 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 footages are 350' FNL & 70' FWL.
4. The Bottom of Hole footages are 475' FNL & 143' 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 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°05'42.84"	LATITUDE = 40°05'41.60"
LONGITUDE = 110°01'14.36"	LONGITUDE = 110°01'13.42"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°05'42.97"	LATITUDE = 40°05'41.74"
LONGITUDE = 110°01'11.82"	LONGITUDE = 110°01'10.88"

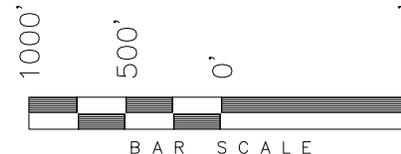
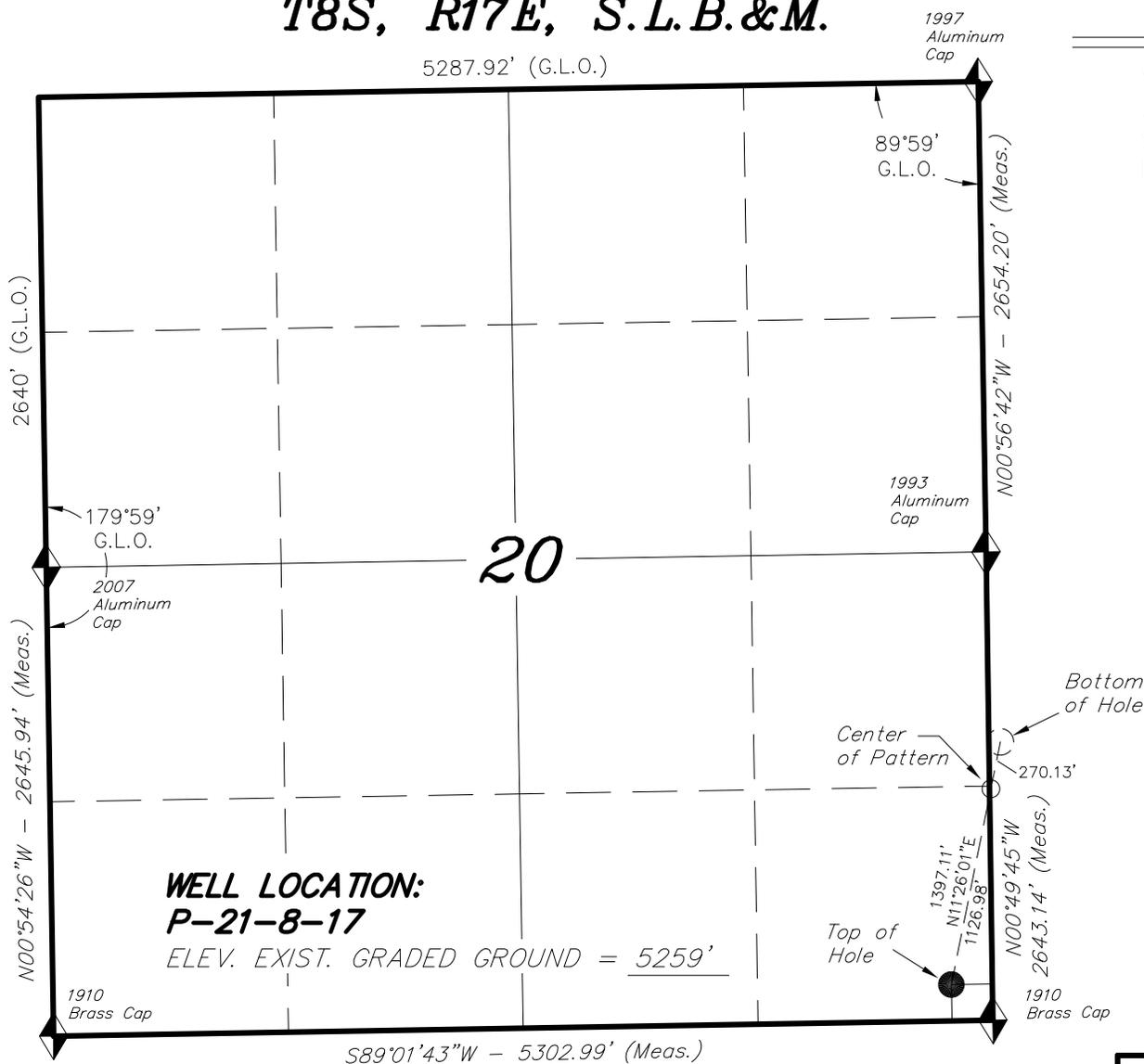
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V3
REVISED: 07-08-14 F.T.M.	SCALE: 1" = 1000'	

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

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, P-21-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 20, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

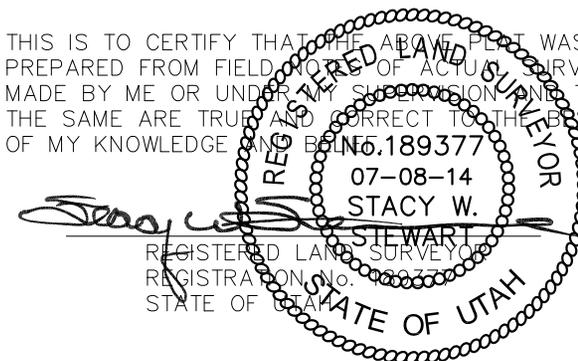


NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Hole footages are 205' FSL & 231' FEL.



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°05'48.32"
LONGITUDE =	110°01'18.22"
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°05'48.46"
LONGITUDE =	110°01'15.68"

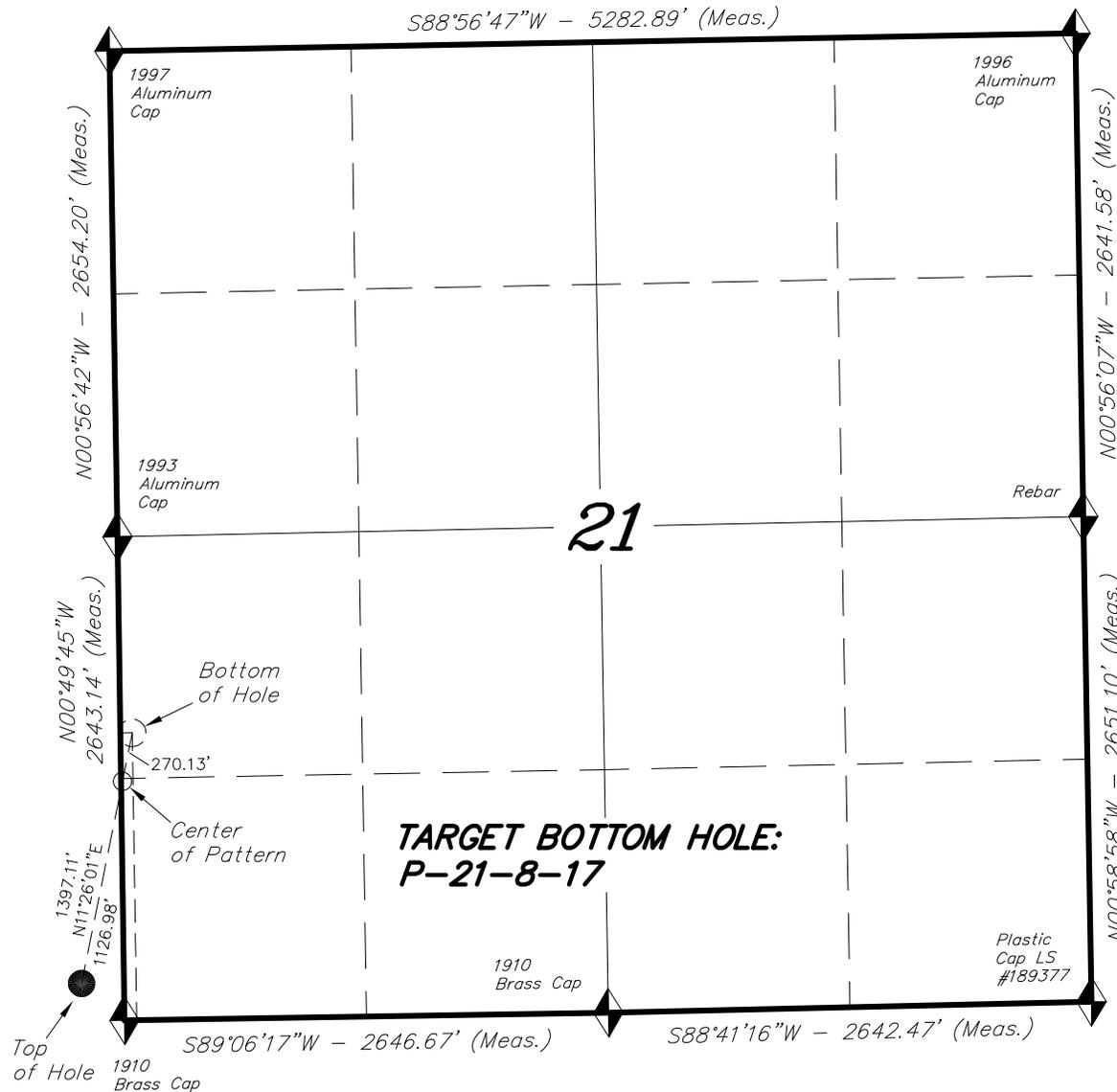
TRI STATE LAND SURVEYING & CONSULTING

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

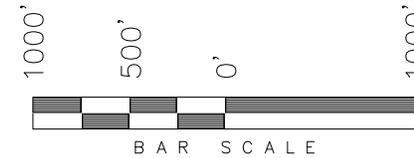
DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V3
REVISED: 07-08-14 F.T.M.	SCALE: 1" = 1000'	

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

NEWFIELD EXPLORATION COMPANY



TARGET BOTTOM HOLE, P-21-8-17, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 21, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

- Well footages are measured at right angles to the Section Lines.
- Bearings are based on Global Positioning Satellite observations.
- The Center of Pattern footages are 1306' FSL & 8' FWL.
- The Bottom of Hole footages are 1570' FSL & 65' FWL.



= SECTION CORNERS LOCATED

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.



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

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = $40^{\circ}05'59.20''$	LATITUDE = $40^{\circ}06'01.80''$
LONGITUDE = $110^{\circ}01'15.11''$	LONGITUDE = $110^{\circ}01'14.37''$
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = $40^{\circ}05'59.34''$	LATITUDE = $40^{\circ}06'01.94''$
LONGITUDE = $110^{\circ}01'12.58''$	LONGITUDE = $110^{\circ}01'11.83''$

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 01-22-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 04-03-13	DRAWN BY: F.T.M.	V3
REVISED: 07-08-14 F.T.M.	SCALE: 1" = 1000'	

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

E-28-8-17
197' FSL & 251' FEL
P-21-8-17
205' FSL & 231' FEL

CENTER OF PATTERN FOOTAGES

E-28-8-17
350' FNL & 70' FWL
P-21-8-17
1306' FSL & 8' FWL

BOTTOM HOLE FOOTAGES

E-28-8-17
475' FNL & 143' FWL
P-21-8-17
1570' FSL & 65' FWL

Note:
Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
E-28-8-17	-541'	329'
P-21-8-17	1,105'	223'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
E-28-8-17	-665'	404'
P-21-8-17	1,369'	277'

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

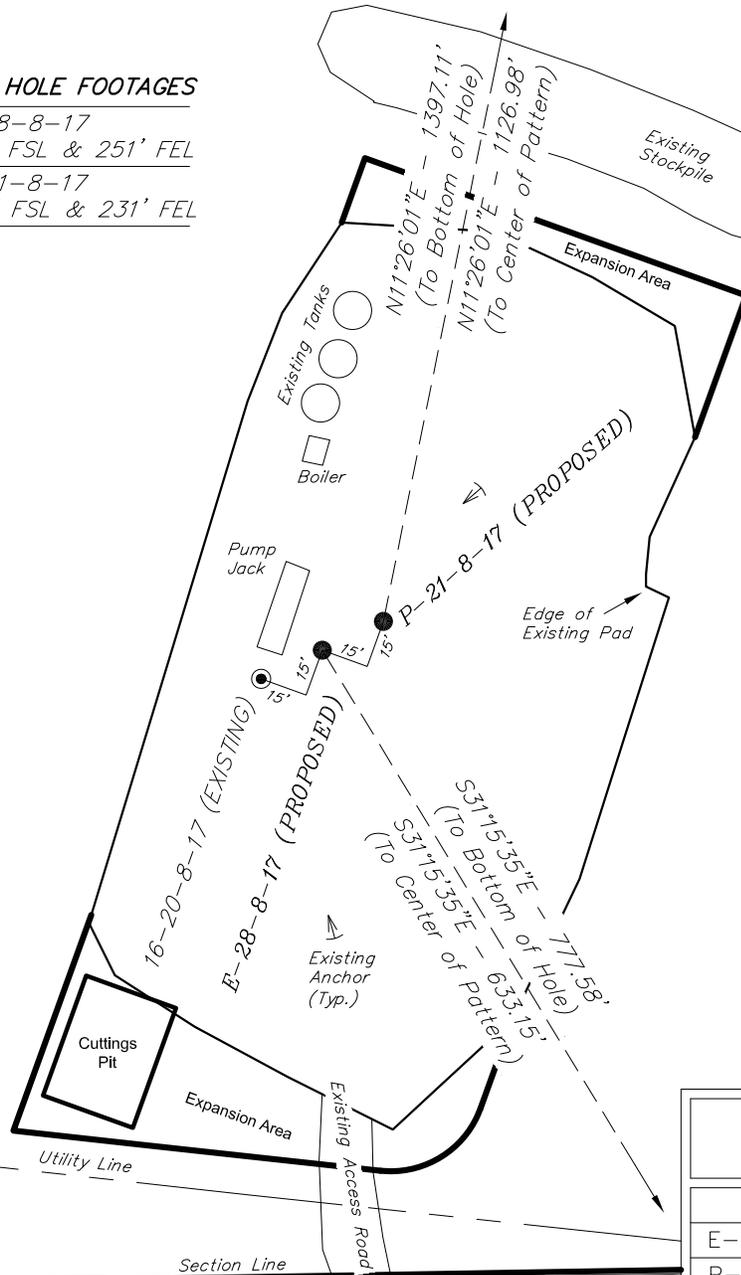
WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 42.84"	110° 01' 14.36"
P-21-8-17	40° 05' 59.20"	110° 01' 15.11"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 41.60"	110° 01' 13.42"
P-21-8-17	40° 06' 01.80"	110° 01' 14.37"

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
16-20-8-17	40° 05' 48.15"	110° 01' 18.72"
E-28-8-17	40° 05' 48.24"	110° 01' 18.47"
P-21-8-17	40° 05' 48.32"	110° 01' 18.22"



SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION: V3
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

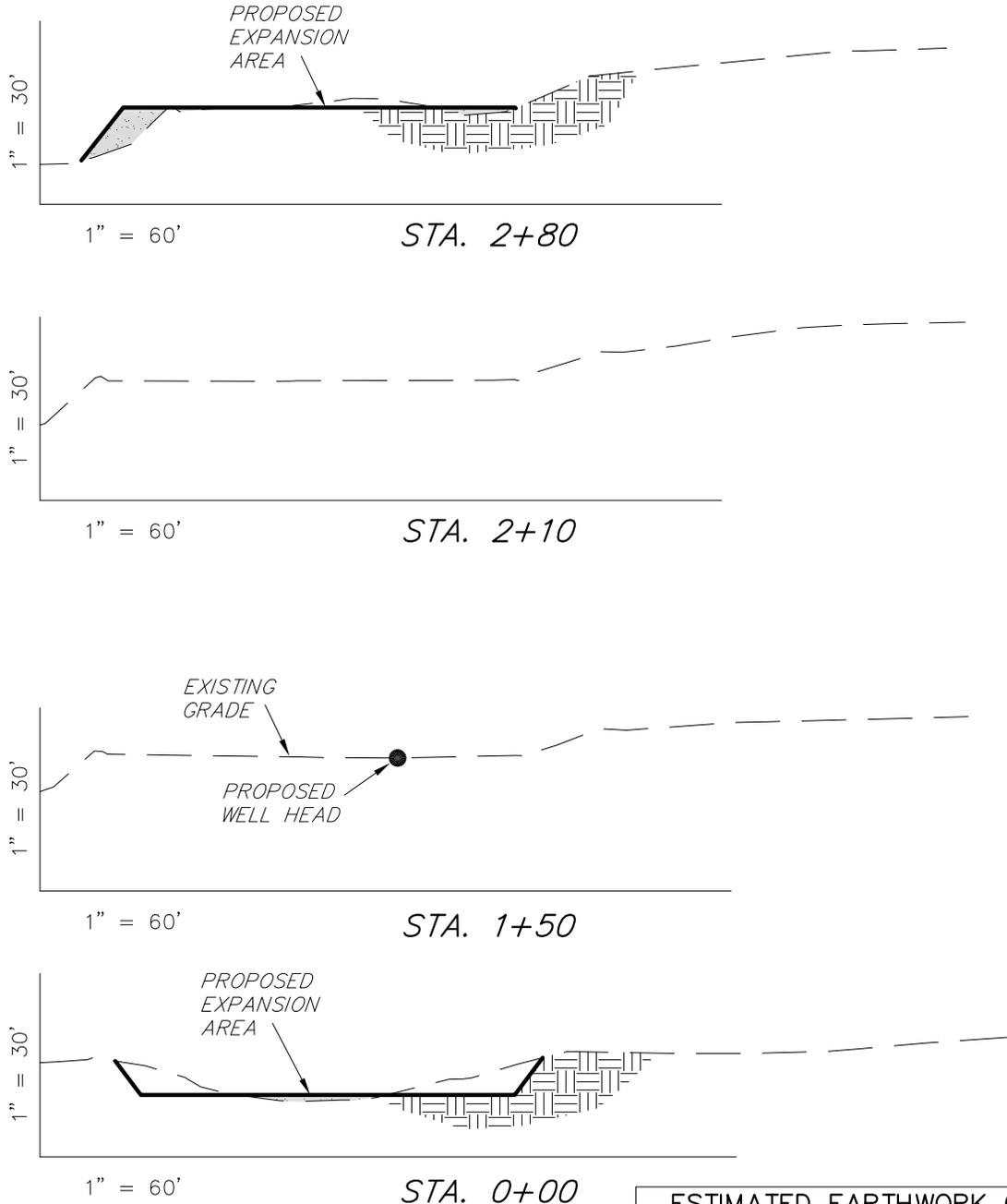
Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	150	150	Topsoil is not included in Pad Cut	0
PIT	N/A	N/A		N/A
TOTALS	150	150	190	0

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

(435) 781-2501

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

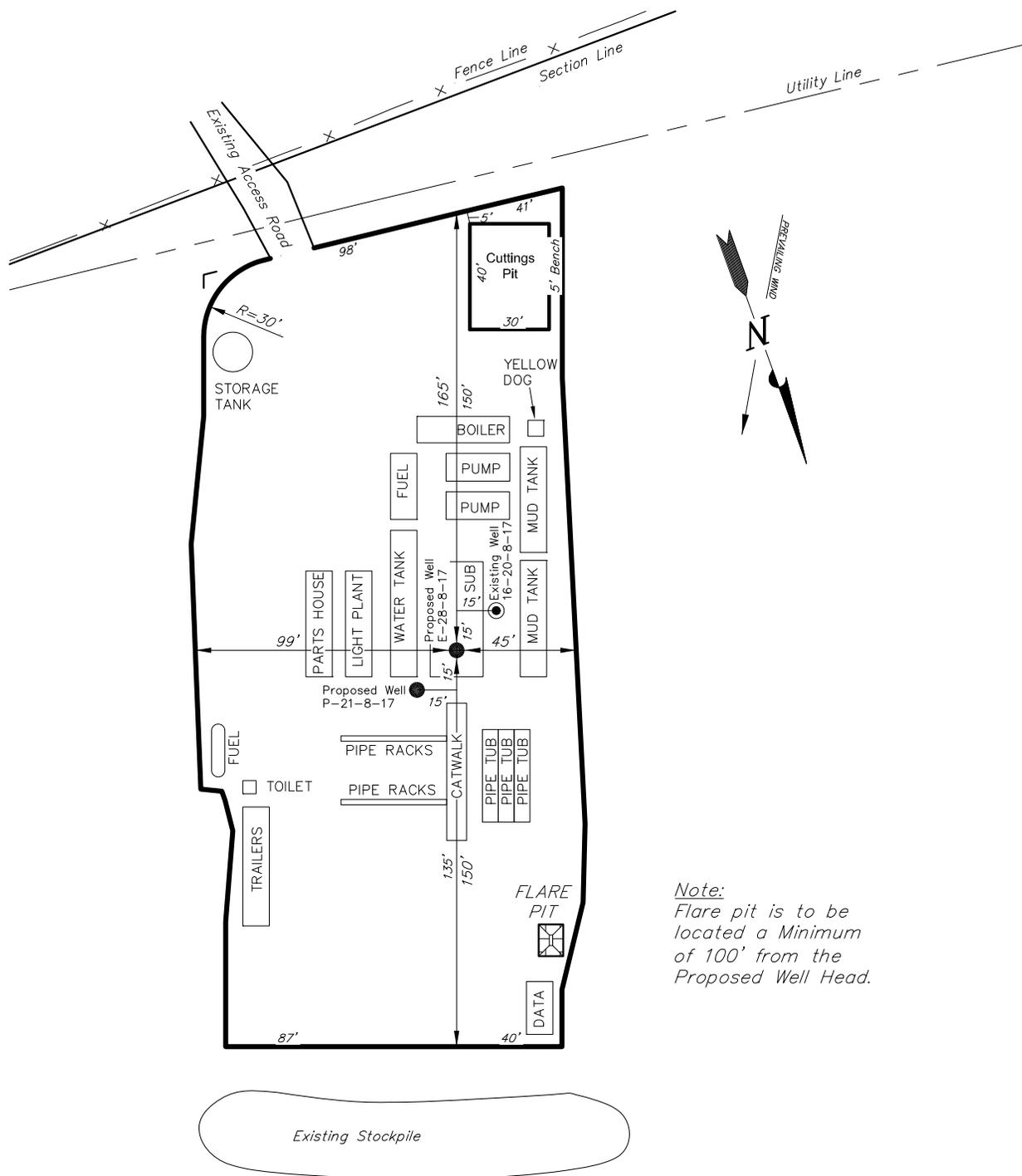
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

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

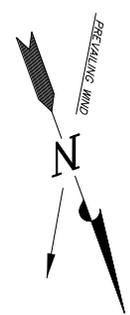
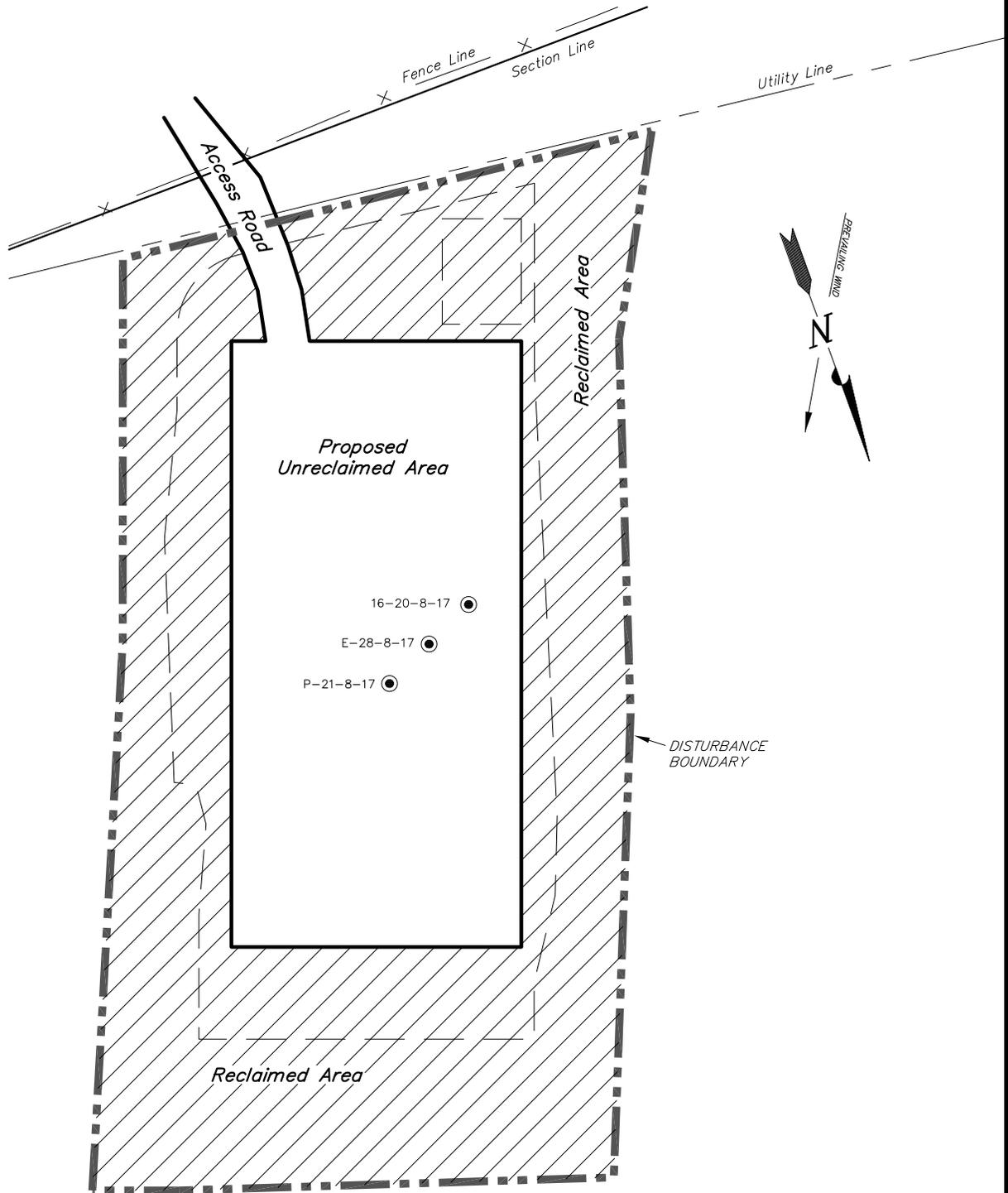
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, 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 = ±1.67 ACRES
 TOTAL RECLAIMED AREA = ±1.07 ACRES
 UNRECLAIMED AREA = ±0.60 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

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

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

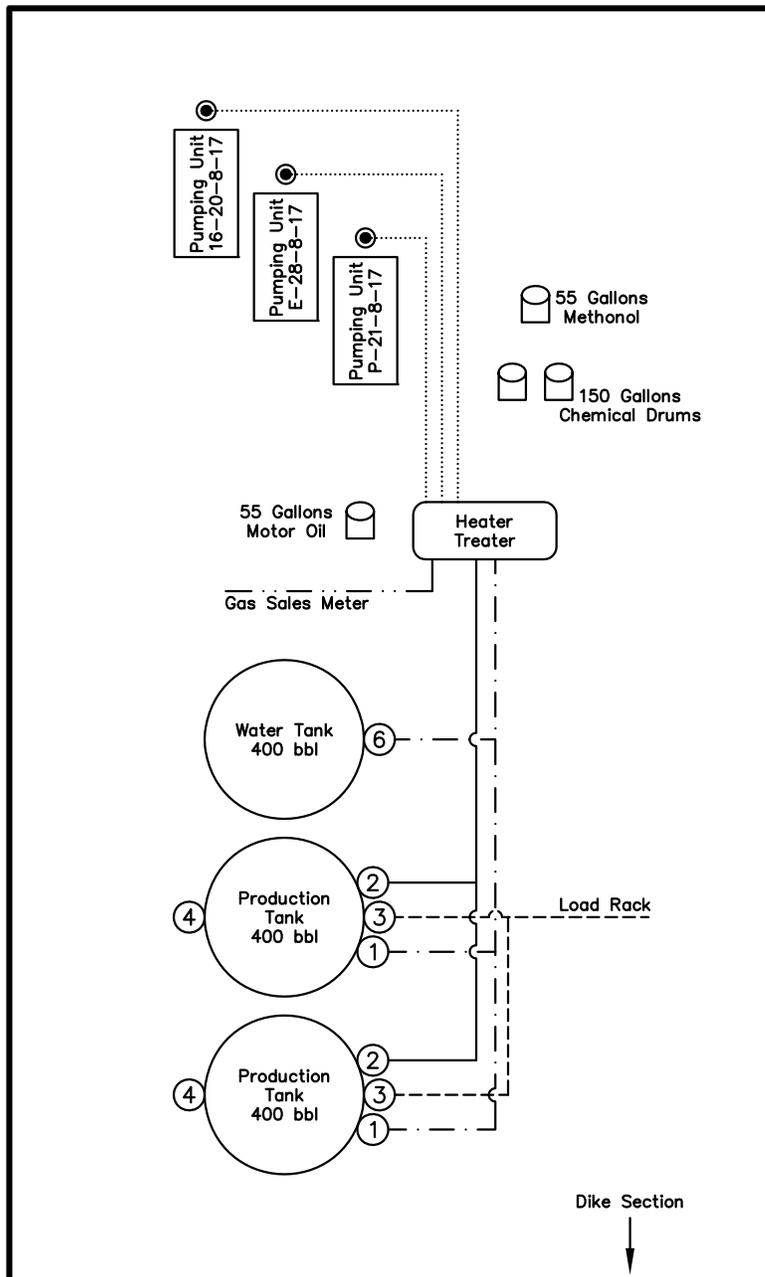
16-20-8-17 PAD

16-20-8-17 UTU-76954

E-28-8-17 UTU-76954

P-21-8-17 UTU-76954

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.
Duchesne County, Utah



Legend

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

NOT TO SCALE

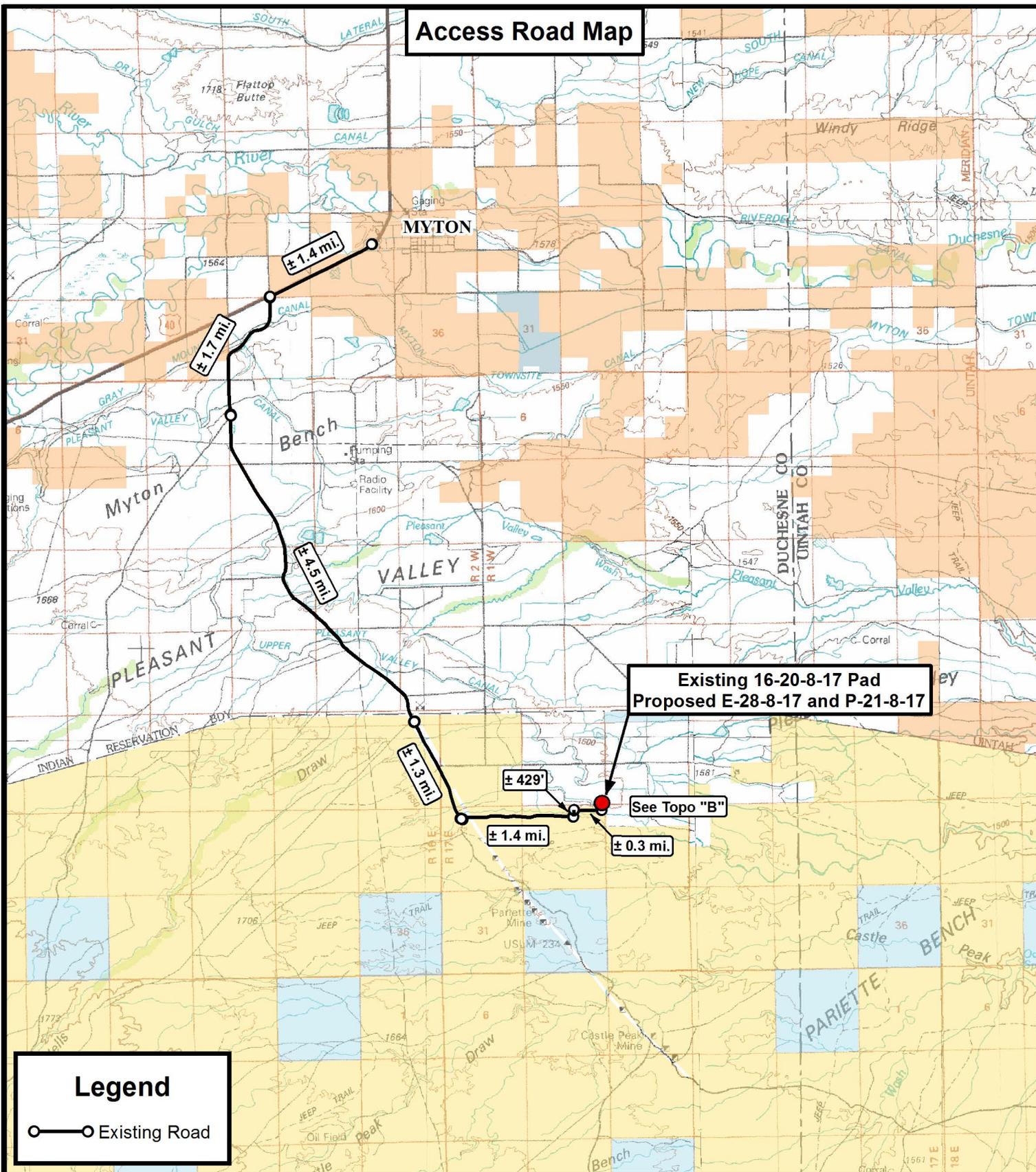
SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: NONE	REVISED: F.T.M. 07-08-14	

(435) 781-2501

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Access Road Map



Legend

○—○ Existing Road

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



NEWFIELD EXPLORATION COMPANY

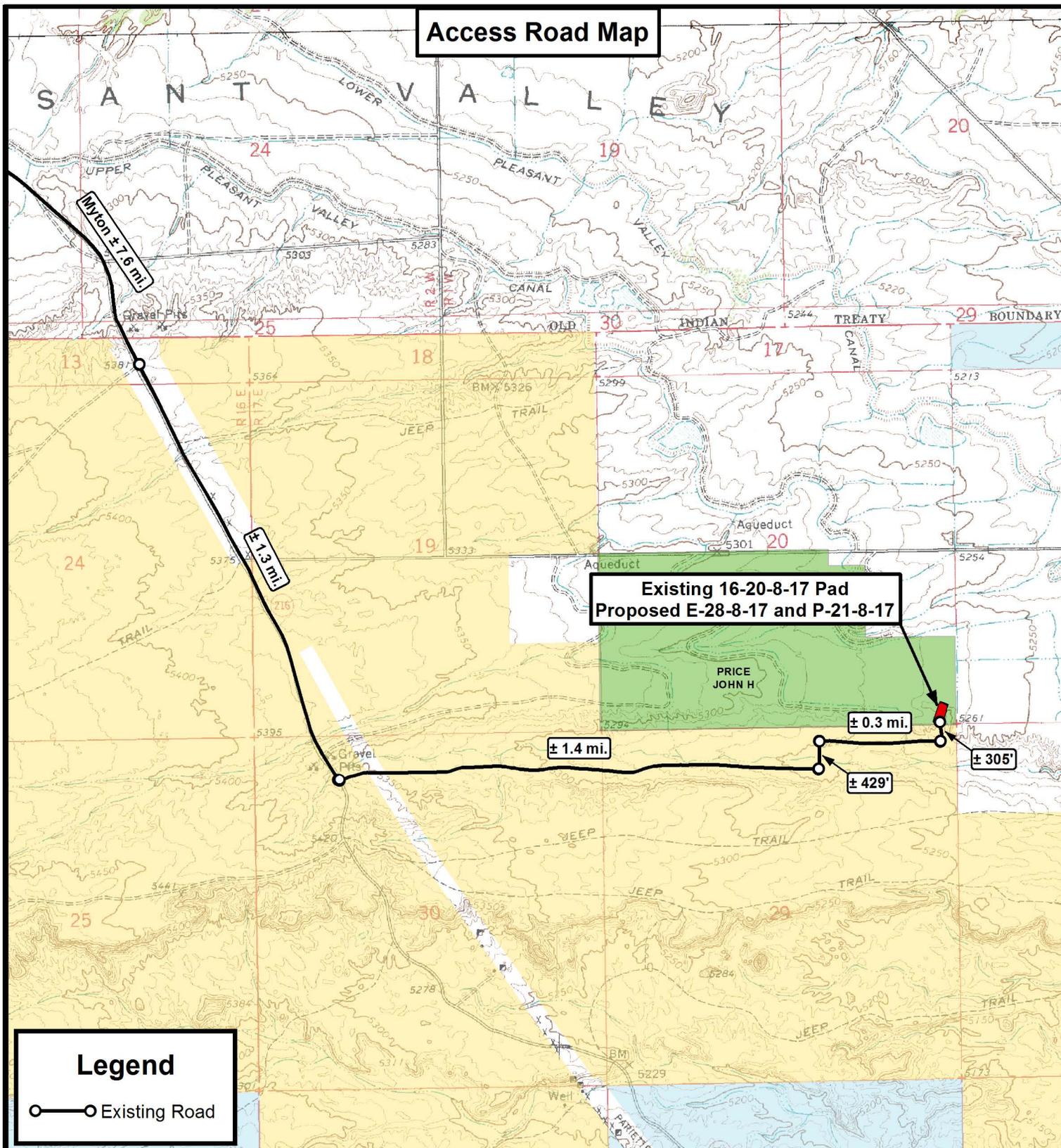
Existing 16-20-8-17 Pad
 Proposed E-28-8-17 and P-21-8-17
 Sec. 20, T8S, R17E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	07-08-14 D.C.R.	VERSION:
DATE:	04-04-2013			V3
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



Legend

○—○ Existing Road

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



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



NEWFIELD EXPLORATION COMPANY

Existing 16-20-8-17 Pad
Proposed E-28-8-17 and P-21-8-17
Sec. 20, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C. REVISED: 07-08-14 D.C.R. VERSION:

DATE: 04-04-2013

SCALE: 1" = 2,000'

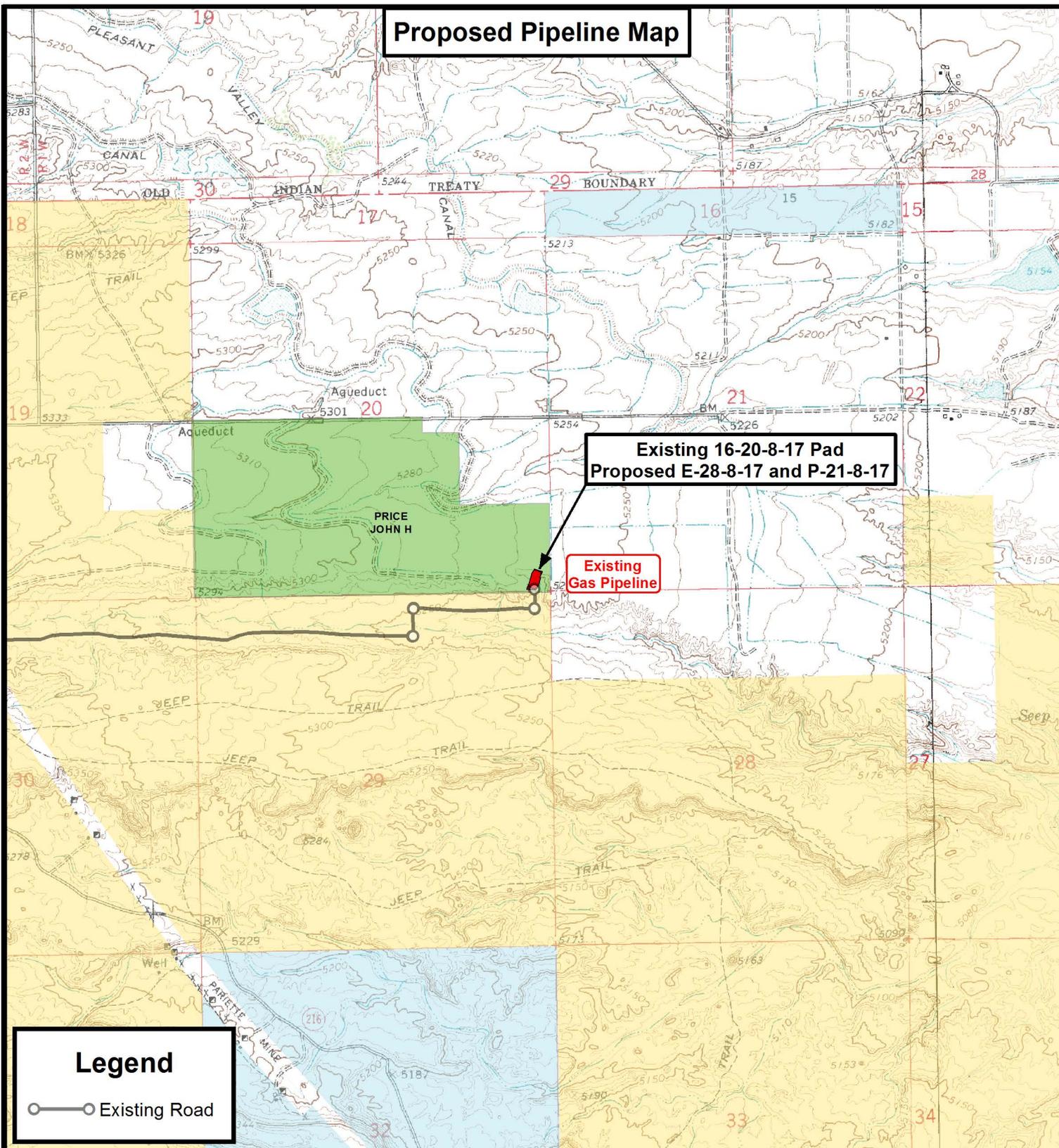
V3

TOPOGRAPHIC MAP

SHEET

B

Proposed Pipeline Map



**Existing 16-20-8-17 Pad
Proposed E-28-8-17 and P-21-8-17**

Existing Gas Pipeline

Legend

○—○ Existing Road

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

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

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



NEWFIELD EXPLORATION COMPANY
Existing 16-20-8-17 Pad
Proposed E-28-8-17 and P-21-8-17
Sec. 20, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

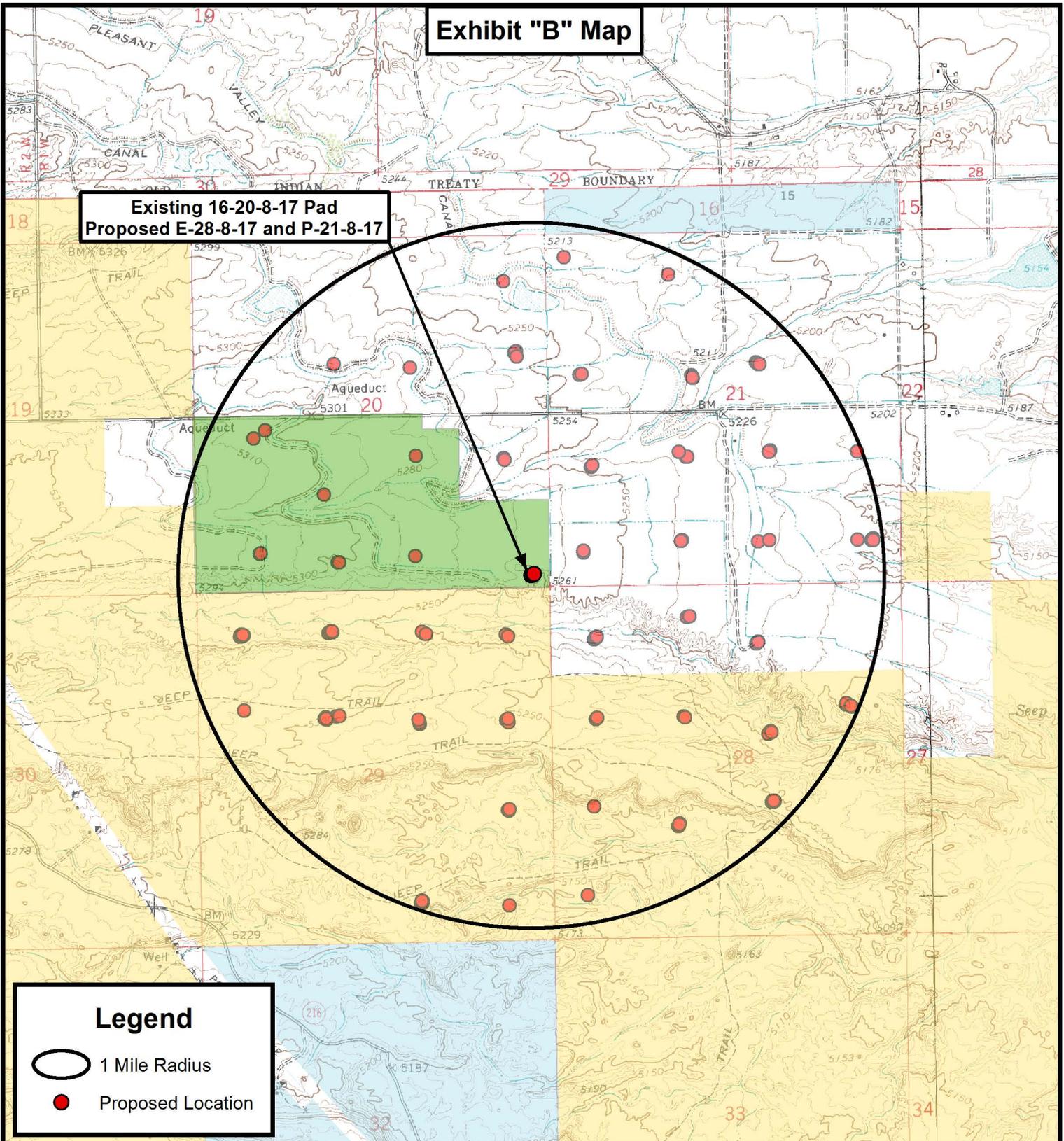
DRAWN BY:	A.P.C.	REVISED:	07-08-14 D.C.R.	VERSION:
DATE:	04-04-2013			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Existing 16-20-8-17 Pad
Proposed E-28-8-17 and P-21-8-17**



Legend

-  1 Mile Radius
-  Proposed 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 16-20-8-17 Pad
Proposed E-28-8-17 and P-21-8-17
Sec. 20, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	07-08-14 D.C.R.	VERSION:
DATE:	04-04-2013			V3
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
16-20-8-17	Surface Hole	40° 05' 48.15" N	110° 01' 18.72" W
E-28-8-17	Surface Hole	40° 05' 48.24" N	110° 01' 18.47" W
P-21-8-17	Surface Hole	40° 05' 48.32" N	110° 01' 18.22" W
E-28-8-17	Center of Pattern	40° 05' 42.84" N	110° 01' 14.36" W
P-21-8-17	Center of Pattern	40° 05' 59.20" N	110° 01' 15.11" W
E-28-8-17	Bottom of Hole	40° 05' 41.60" N	110° 01' 13.42" W
P-21-8-17	Bottom of Hole	40° 06' 01.80" N	110° 01' 14.37" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
16-20-8-17	Surface Hole	40.096709	110.021867
E-28-8-17	Surface Hole	40.096732	110.021798
P-21-8-17	Surface Hole	40.096756	110.021728
E-28-8-17	Center of Pattern	40.095232	110.020656
P-21-8-17	Center of Pattern	40.099777	110.020865
E-28-8-17	Bottom of Hole	40.094890	110.020395
P-21-8-17	Bottom of Hole	40.100501	110.020658
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
16-20-8-17	Surface Hole	4438949.413	583375.957
E-28-8-17	Surface Hole	4438952.127	583381.821
P-21-8-17	Surface Hole	4438954.842	583387.686
E-28-8-17	Center of Pattern	4438786.705	583480.993
P-21-8-17	Center of Pattern	4439290.953	583457.600
E-28-8-17	Bottom of Hole	4438748.968	583503.617
P-21-8-17	Bottom of Hole	4439371.518	583474.358
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
16-20-8-17	Surface Hole	40° 05' 48.29" N	110° 01' 16.18" W
E-28-8-17	Surface Hole	40° 05' 48.37" N	110° 01' 15.93" W
P-21-8-17	Surface Hole	40° 05' 48.46" N	110° 01' 15.68" W
E-28-8-17	Center of Pattern	40° 05' 42.97" N	110° 01' 11.82" W
P-21-8-17	Center of Pattern	40° 05' 59.34" N	110° 01' 12.58" W
E-28-8-17	Bottom of Hole	40° 05' 41.74" N	110° 01' 10.88" W
P-21-8-17	Bottom of Hole	40° 06' 01.94" N	110° 01' 11.83" W



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

NEWFIELD EXPLORATION COMPANY

Existing 16-20-8-17 Pad
Proposed Wells: E-28-8-17 and P-21-8-17
Sec. 20, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	07-08-14 D.C.R.
DATE:	04-04-2013		
VERSION:	V3		

COORDINATE REPORT

SHEET

1

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 28 2013

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU76954
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: HEATHER CALDER E-Mail: hcalder@newfield.com		7. If Unit or CA Agreement, Name and No. GMBU
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. GMBU P-21-8-17
3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-4936		9. API Well No. 430135232
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 205FSL 231FEL At proposed prod. zone NWSW 1570FSL 65FWL <i>Sec. 21</i>		10. Field and Pool, or Exploratory MONUMENT BUTTE
14. Distance in miles and direction from nearest town or post office* 10.6 MILES SOUTH OF MYTON, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 20 T8S R17E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 65'		12. County or Parish DUCHESNE
16. No. of Acres in Lease 1561.00		13. State UT
17. Spacing Unit dedicated to this well 20.00		18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 809'
19. Proposed Depth 6595 MD 6420 TVD		20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5259 GL		23. Estimated duration 7 DAYS
22. Approximate date work will start 01/01/2014		

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 10/08/2013
Title PRODUCTION TECHNICIAN		
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) Jerry Kenczka	Date JUN 30 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

RECEIVED
JUL 07 2014

Additional Operator Remarks (see next page)

Electronic Submission #222168 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE BUHLER on 10/30/2013 ()

DIV. OF OIL, GAS & MINING
UDOGM

NOTICE OF APPROVAL

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

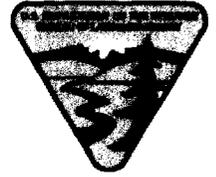


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU P-21-8-17
API No: 43-013-52522

Location: SESE, Sec. 20, T8S, R17E
Lease No: UTU-76954
Agreement:

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

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

STIPULATIONS / CONDITIONS OF APPROVAL

Company/Operator: Newfield Production Company
Well Name & Number: GMBU P-21-8-17 and E-28-8-17
Host Location: 16-20-8-17

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

1. The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a service approved location is best.
2. If the pump head is located in the river channel the following stipulations apply:
 - a. Do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes.
 - b. Limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 1).
 - c. Limit the amount of pumping, to the greatest extent possible, during the midnight hours (10pm to 2 am), as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
3. Screen all pump intakes with 3/32" mesh material.
4. Approach velocities for intake structures should follow the National Marine Fisheries Service's document "fish screening criteria for anadromous salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity should not exceed 0.33 feet per second (ft/s).

5. Report any fish impinged on the intake screen or entrained into irrigation canals to the service (801.975.3330) or the Utah Division of Wildlife Resources:

Northeastern Region
318 N. Vernal Ave., Vernal, UT 84078
Phone: (435)781-9453

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

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

SITE SPECIFIC DOWNHOLE COAs:

- GMBU: K-22-9-16, N-23-9-16, E-28-9-16, P-21-9-16, T-5-9-18, Q-4-9-18, P-13-9-16, S-14-9-16, P-29-8-18, E-32-8-18, L-33-8-18, Q-34-8-18, D-30-8-18, C-30-8-18, P-21-8-17, E-28-8-17, G-33-8-18, X-28-8-18, T-29-8-17, D-6-9-18, F-20-9-16, 118-31-8-17
- Site Specific Drilling Plan COA's:
- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

OPERATING REQUIREMENT REMINDERS:

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

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

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

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29 Submitted
By Jared Bouzek Phone Number 435-823-2071
Well Name/Number GMBU P-21-8-17
Qtr/Qtr SE/SE Section 20 Township 8S Range 17E
Lease Serial Number UTU76954
API Number 43-013-52522

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

Date/Time 9/3/14 8:00 AM PM

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

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

Date/Time 9/3/14 4:00 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
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-76954
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU P-21-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0205 FSL 0231 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 20 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013525220000
PHONE NUMBER: 435 646-4825 Ext		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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/3/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 9/3/14 drill and set 5' of 14" conductor. Drill f/5' to 356' KB of 12 1/4 hole. P/U and run 7 joints of 8 5/8" casing set depth 342'KB. On 9/5/14 cement w/Halliburton w/155 sx of 15.8# 1.19 yield class G Neat cement. Returend 6 bbls to pit and bumped plug to 751 psi.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 11, 2014
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 9/11/2014	

NEWFIELD

Casing

Conductor

Legal Well Name GMBU P-21-8-17		Wellbore Name Original Hole	
API/UWI 43013525220000	Surface Legal Location SESE 205 FSL 231 FEL Sec 20 T8S R17E	Field Name GMBU CTB7	Well Type Development
Well RC 500346446	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	16	9/3/2014	9/3/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Conductor	Set Depth (ftKB) 16	Run Date 9/3/2014	Set Tension (kips)	
Centralizers	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Condcutor	14	13.500	36.75	H-40	Welded	1	5.00	11.0	16.0			

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 P-21-8-17		Wellbore Name Original Hole	
API/UWI 43013525220000	Surface Legal Location SESE 205 FSL 231 FEL Sec 20 T8S R17E	Field Name GMBU CTB7	Well Type Development
Well RC 500346446	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	16	9/3/2014	9/3/2014
Vertical	12 1/4	16	356	9/3/2014	9/3/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Surface	Set Depth (ftKB)	342	Run Date	9/3/2014
Centralizers	Scratchers			
3				

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	2.00	11.0	13.0			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	37.20	13.0	50.2			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	6	251.52	50.2	301.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	301.7	302.7			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	38.15	302.7	340.9			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	340.9	342.4			

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							

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954
---	--

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)
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMBU P-21-8-17
------------------------------------	---

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013525220000
--	---

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
--	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0205 FSL 0231 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 20 Township: 08.0S Range: 17.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/28/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Closed Loop"/>

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

Newfield would like to drill this well with a Closed Loop system. See attached APD Revision Pages.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 06, 2014

By: Derek Duff

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 8/28/2014	

**NEWFIELD PRODUCTION COMPANY
GMBU P-21-8-17
AT SURFACE: SE/SE SECTION 20, 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 Production Company well location site GMBU P-21-8-17 located in the NW 1/4 SE 1/4 Section 21, 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 – 7.5 miles \pm to it's junction with an existing road to the east; proceed in a easterly direction – 1.7 miles \pm to it's junction with the beginning of the access road to the existing 16-20-8-17 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 16-20-8-17 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Closed Loop Drilling

Newfield Production will drill the proposed well with a Closed Loop Drilling System. A small cuttings pit will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore using a conventional closed-loop system. 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.

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 – John H Price.

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-169 7/11/13, prepared by Montgomery Archaeological Consultants. . . Paleontological Resource Survey prepared by, Wade E Miller, Report dated 7/10/2013.

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 P-21-8-17, 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 P-21-8-17, 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 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 #P-21-8-17, Section 20, Township 8S, Range 17E: Lease UTU-76954 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

Date 8/28/14 (Revision)

Mandie Crozier
Regulatory Specialist
Newfield Exploration

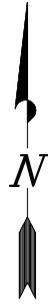
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

E-28-8-17
197' FSL & 251' FEL
P-21-8-17
205' FSL & 231' FEL

CENTER OF PATTERN FOOTAGES

E-28-8-17
350' FNL & 70' FWL
P-21-8-17
1306' FSL & 8' FWL

BOTTOM HOLE FOOTAGES

E-28-8-17
475' FNL & 143' FWL
P-21-8-17
1570' FSL & 65' FWL

Note:
Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
E-28-8-17	-541'	329'
P-21-8-17	1,105'	223'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
E-28-8-17	-665'	404'
P-21-8-17	1,369'	277'

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

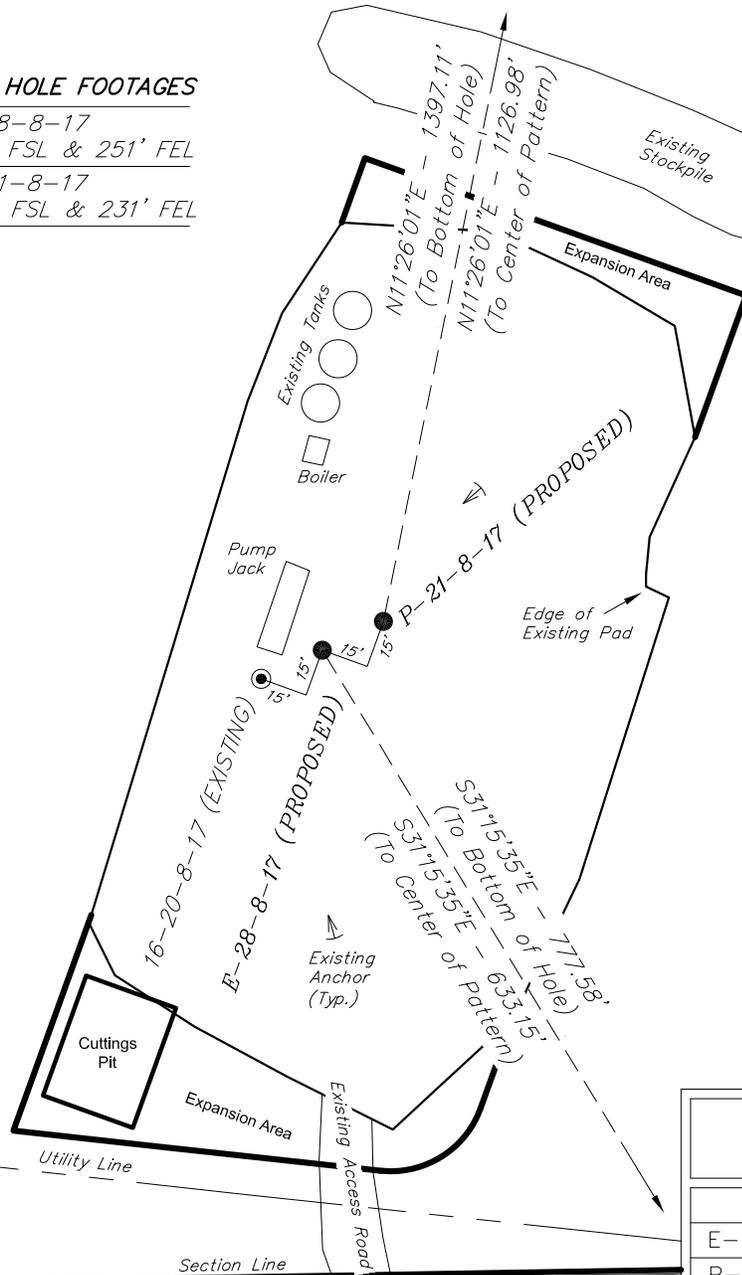
WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 42.84"	110° 01' 14.36"
P-21-8-17	40° 05' 59.20"	110° 01' 15.11"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
E-28-8-17	40° 05' 41.60"	110° 01' 13.42"
P-21-8-17	40° 06' 01.80"	110° 01' 14.37"

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
16-20-8-17	40° 05' 48.15"	110° 01' 18.72"
E-28-8-17	40° 05' 48.24"	110° 01' 18.47"
P-21-8-17	40° 05' 48.32"	110° 01' 18.22"



SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION: V3
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

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

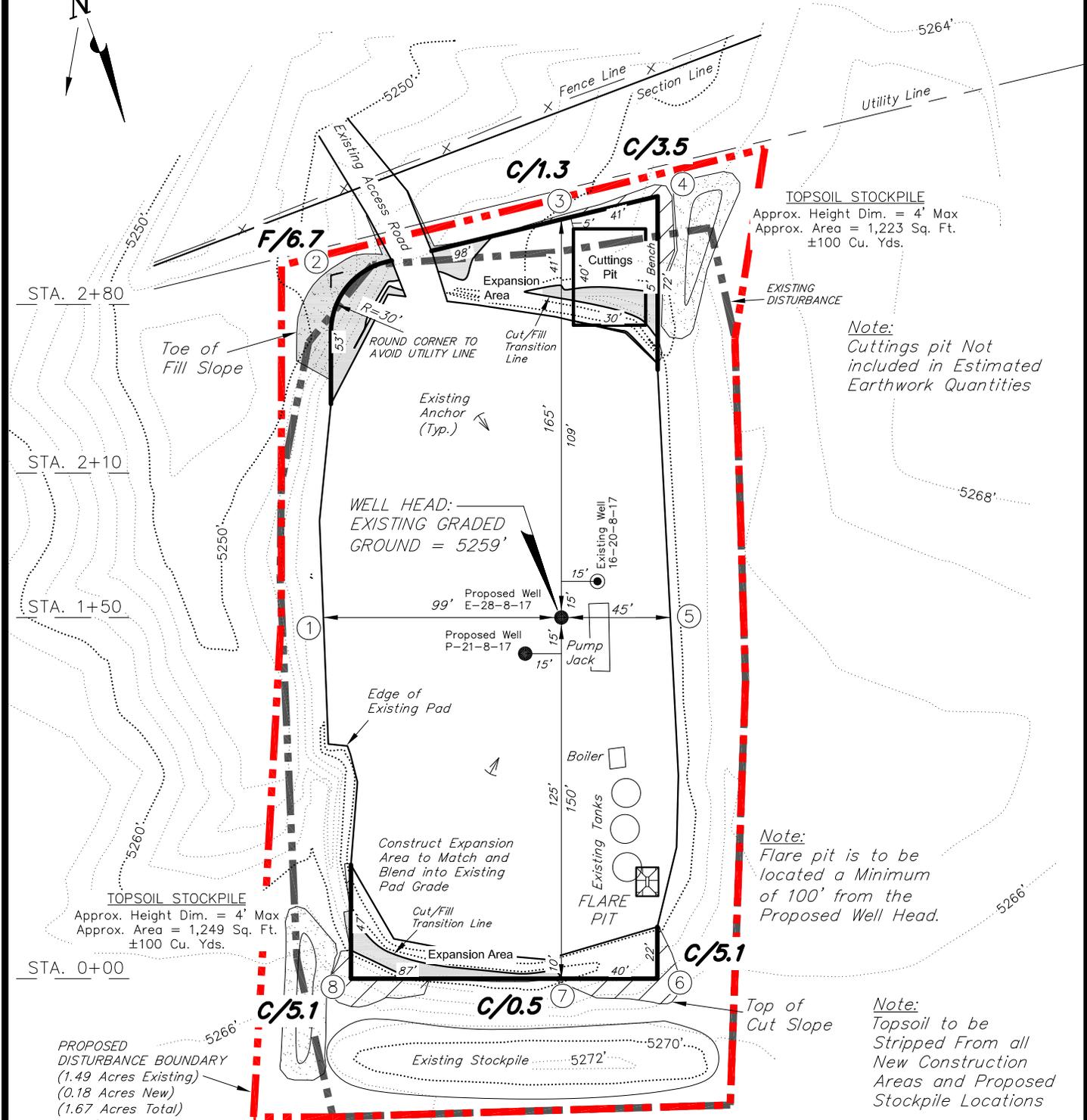
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



TOPSOIL STOCKPILE
 Approx. Height Dim. = 4' Max
 Approx. Area = 1,223 Sq. Ft.
 ±100 Cu. Yds.

Note:
 Cuttings pit Not
 included in Estimated
 Earthwork Quantities

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

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

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

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

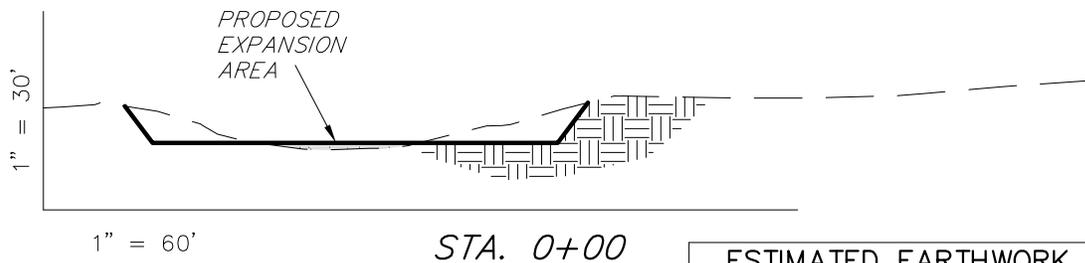
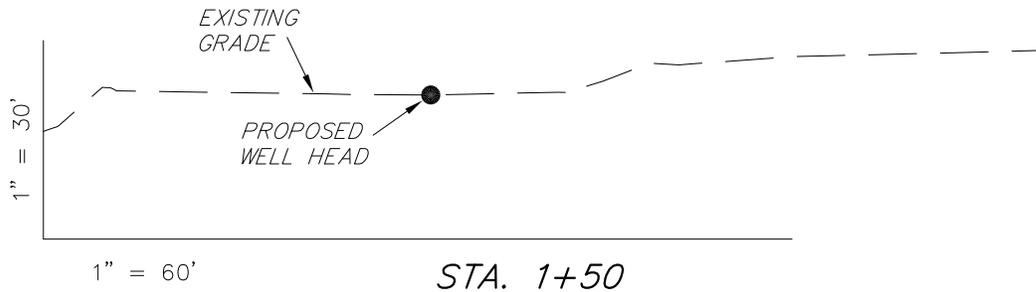
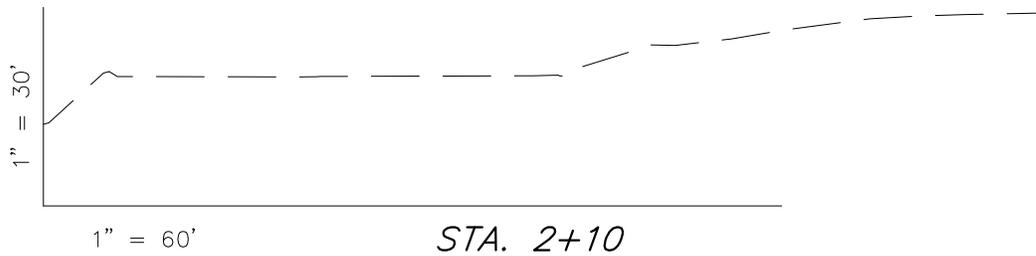
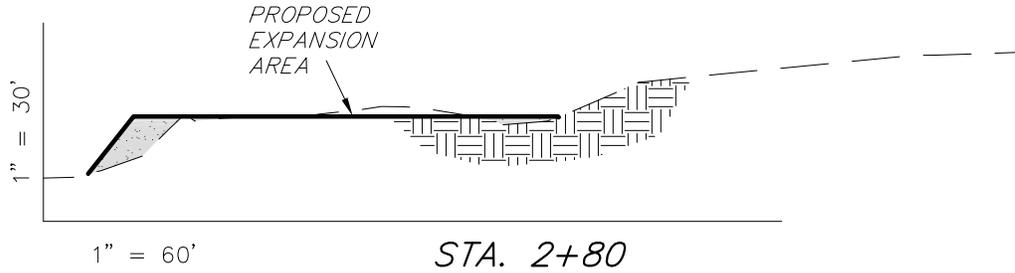
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, S.L.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	150	150	Topsoil is not included in Pad Cut	0
PIT	N/A	N/A		N/A
TOTALS	150	150	190	0

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

Tri State

Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

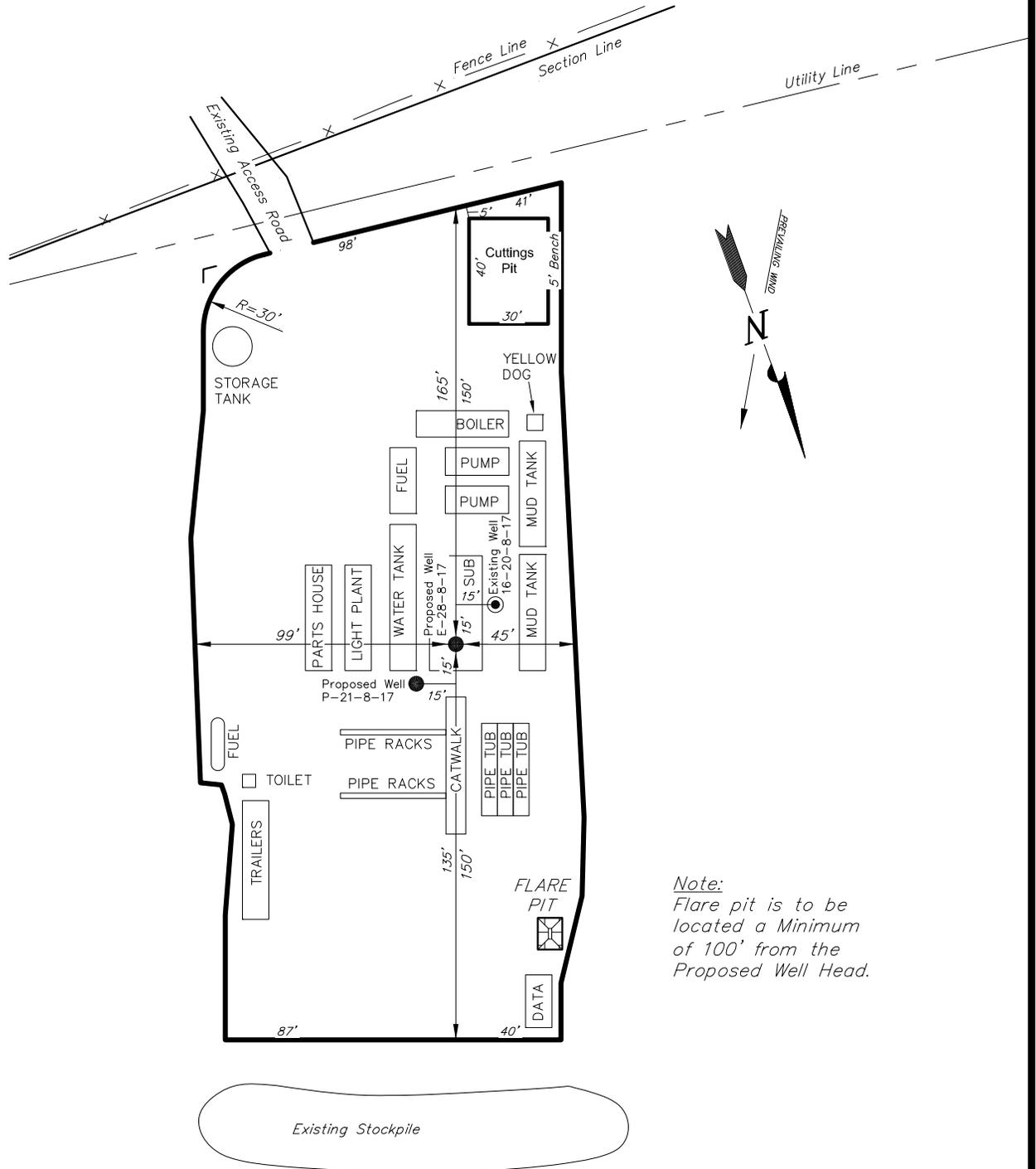
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, T8S, R17E, 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: 01-22-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	V3
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

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

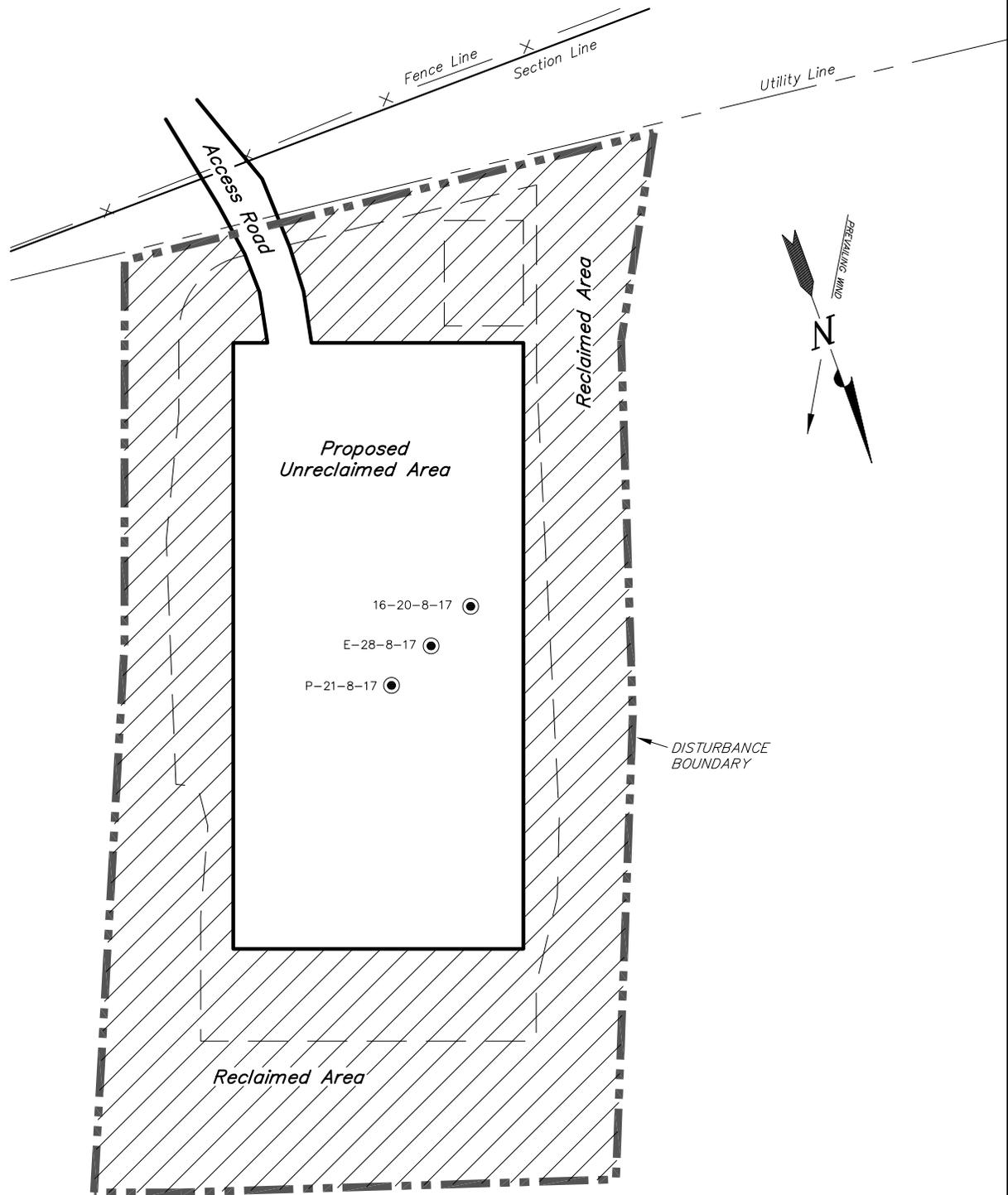
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 16-20-8-17 PAD

PROPOSED WELLS: E-28-8-17 AND P-21-8-17

Pad Location: SESE Section 20, 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 = ±1.67 ACRES
 TOTAL RECLAIMED AREA = ±1.07 ACRES
 UNRECLAIMED AREA = ±0.60 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 01-22-13	VERSION: V3
DRAWN BY: F.T.M.	DATE DRAWN: 04-03-13	
SCALE: 1" = 60'	REVISED: F.T.M. 07-08-14	

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU76954

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU87538X

8. Lease Name and Well No.
GMBU P-21-8-17

9. API Well No.
43-013-52522

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area
SEC 20 T8S R17E Mer SLB

12. County or Parish
DUCHESNE

13. State
UT

1. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,
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 205' FSL 231' FEL (SE/SE) SEC 20 T8S R17E (UTU-76954)

At top prod. interval reported below 1147' FSL 39' FEL (SE/SE) SEC 20 T8S R17E (UTU-76954)

At total depth 1590' FSL 92'FWL (NW/SW) SEC 21 T8S R17E (UTU-76954)

14. Date Spudded
09/03/2014

15. Date T.D. Reached
09/18/2014

16. Date Completed 10/13/2014
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5259' GL 5270' KB

18. Total Depth: MD 6730'
TVD 6550'

19. Plug Back T.D.: MD 6680'
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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	342'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6726'		245 Econocem 440Expandacem		0'	

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@6535'	TA@6431'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4804'	6472'	4804' - 6472' MD	0.34	58	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4804' - 6472' MD	Frac w/ 187,080#s of 20/40 white sand in 2,095 bbls of Lightning 17 fluid, in 4 stages.

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

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
10/10/14	10/20/14	24	→	45	27	86			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 GARDEN GULCH 1	4330' 4526'
				GARDEN GULCH 2 POINT 3	4655' 4948'
				X MRKR Y MRKR	5186' 5222'
				DOUGLAS CREEK MRK BI CARBONATE MRK	5361' 5624'
				B LIMESTONE MRK CASTLE PEAK	5773' 6263'
				BASAL CARBONATE WASATCH	6680' 6809'

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 10/27/2014



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 20 T8S, R17E
P-21-8-17
Wellbore #1**

Design: Actual

End of Well Report

19 September, 2014





Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
MD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well P-21-8-17
 P-21-8-17 @ 5270.0usft (SS # 2)
 P-21-8-17 @ 5270.0usft (SS # 2)
 True
 Minimum Curvature
 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 20 T8S, R17E

Site Position: Northing: 7,210,719.77 usft
From: Easting: 2,053,670.54 usft
Position Uncertainty: Slot Radius: 13-3/16 " Latitude: 40° 6' 21.320 N
 Longitude: 110° 1' 20.880 W
 Grid Convergence: 0.95 °

Well P-21-8-17, SHL: 40 05 48.32 -110 01 18.22

Well Position +N/-S 0.0 usft
 +E/-W 0.0 usft
Position Uncertainty Wellhead Elevation: 0.0 usft

Latitude: 40° 5' 48.320 N
Longitude: 110° 1' 18.220 W
Ground Level: 5,259.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/3/2014	10.89	65.76	51,988

Design Actual

Audit Notes: Version: 1.0

Vertical Section:	Phase:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Tie On Depth:	Direction (°)
	ACTUAL	0.0	0.0	0.0	0.0	13.13

Survey Program Date 9/19/2014

From (usft) To (usft) Survey (Wellbore)

381.0 6,730.0 Survey #1 (Wellbore #1)

Tool Name MWD

Description MWD - Standard



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Mylon SW (UT)
 Site: SECTION 20 T8S, R17E
 Well: P-21-8-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well P-21-8-17
 TVD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
 MD Reference: P-21-8-17 @ 5270.0usft (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)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	381.0	0.66	97.24	381.0	0.2	-0.3	2.2	0.17	0.17	0.00
	411.0	0.97	78.82	411.0	0.3	-0.2	2.6	1.34	1.03	-61.40
	442.0	1.19	70.30	442.0	0.6	-0.1	3.2	0.88	0.71	-27.48
	473.0	1.14	71.14	473.0	1.0	0.1	3.8	0.17	-0.16	2.71
	504.0	1.10	70.48	504.0	1.3	0.3	4.3	0.14	-0.13	-2.13
	534.0	1.10	77.77	534.0	1.6	0.5	4.9	0.47	0.00	24.30
	565.0	1.01	79.44	565.0	1.8	0.6	5.4	0.31	-0.29	5.39
	596.0	0.97	89.68	596.0	2.0	0.6	6.0	0.58	-0.13	33.03
	627.0	0.83	90.78	627.0	2.1	0.6	6.5	0.46	-0.45	3.55
	657.0	1.01	65.07	656.9	2.3	0.7	6.9	1.48	0.60	-85.70
	688.0	1.32	36.47	687.9	2.8	1.1	7.4	2.09	1.00	-92.26
	719.0	1.93	21.26	718.9	3.6	1.9	7.8	2.39	1.97	-49.06
	749.0	2.42	21.70	748.9	4.8	3.0	8.2	1.83	1.63	1.47
	780.0	2.77	17.83	779.9	6.2	4.3	8.7	1.26	1.13	-12.48
	811.0	3.38	16.56	810.8	7.8	5.9	9.2	1.98	1.97	-4.10
	842.0	3.69	15.55	841.8	9.7	7.7	9.7	1.02	1.00	-3.26
	872.0	3.69	14.85	871.7	11.7	9.6	10.2	0.15	0.00	-2.33
	903.0	3.96	15.72	902.6	13.7	11.6	10.7	0.89	0.87	2.81
	934.0	4.35	15.11	933.6	16.0	13.8	11.3	1.27	1.26	-1.97
	965.0	4.57	15.64	964.5	18.4	16.1	12.0	0.72	0.71	1.71
	995.0	5.19	13.22	994.4	20.9	18.5	12.6	2.18	2.07	-8.07
	1,026.0	5.84	11.51	1,025.2	23.9	21.5	13.2	2.16	2.10	-5.52
	1,070.0	6.86	8.96	1,068.9	28.8	26.2	14.1	2.40	2.32	-5.80
	1,114.0	7.45	6.36	1,112.6	34.2	31.7	14.8	1.53	1.34	-5.91
	1,158.0	7.92	5.96	1,156.2	40.1	37.5	15.4	1.08	1.07	-0.91
	1,201.0	8.31	6.45	1,198.8	46.1	43.6	16.1	0.92	0.91	1.14



Payzone Directional

End of Well Report



Sundry Number: 57080 API Well Number: 43013525220000

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well P-21-8-17
TVD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
MD Reference: P-21-8-17 @ 5270.0usft (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)
	1,245.0	9.18	7.33	1,242.3	52.7	50.2	16.9	2.00	1.98	2.00
	1,289.0	9.71	6.63	1,285.7	59.9	57.4	17.8	1.23	1.20	-1.59
	1,333.0	10.63	4.65	1,329.0	67.6	65.1	18.5	2.24	2.09	-4.50
	1,377.0	11.65	4.34	1,372.1	76.0	73.6	19.2	2.32	2.32	-0.70
	1,420.0	12.52	5.18	1,414.2	84.9	82.5	20.0	2.06	2.02	1.95
	1,464.0	13.27	5.88	1,457.1	94.7	92.3	20.9	1.74	1.70	1.59
	1,508.0	13.71	7.73	1,499.9	104.9	102.5	22.1	1.40	1.00	4.20
	1,552.0	14.41	9.22	1,542.5	115.5	113.1	23.7	1.79	1.59	3.39
	1,596.0	14.81	9.75	1,585.1	126.6	124.0	25.5	0.96	0.91	1.20
	1,640.0	15.25	10.58	1,627.6	138.0	135.3	27.5	1.11	1.00	1.89
	1,683.0	15.60	11.90	1,669.1	149.4	146.5	29.8	1.15	0.81	3.07
	1,727.0	15.47	11.51	1,711.5	161.2	158.0	32.2	0.38	-0.30	-0.89
	1,771.0	15.60	12.08	1,753.9	173.0	169.6	34.6	0.46	0.30	1.30
	1,815.0	15.82	12.25	1,796.2	184.9	181.2	37.1	0.51	0.50	0.39
	1,858.0	15.73	12.53	1,837.6	196.6	192.6	39.6	0.27	-0.21	0.65
	1,902.0	15.69	12.60	1,879.9	208.5	204.2	42.2	0.10	-0.09	0.16
	1,946.0	15.34	11.99	1,922.3	220.3	215.7	44.7	0.88	-0.80	-1.39
	1,990.0	14.99	11.90	1,964.8	231.8	227.0	47.1	0.80	-0.80	-0.20
	2,034.0	14.72	11.64	2,007.3	243.0	238.0	49.4	0.63	-0.61	-0.59
	2,078.0	14.63	11.33	2,049.9	254.2	249.0	51.6	0.27	-0.20	-0.70
	2,121.0	14.28	10.32	2,091.5	264.9	259.5	53.6	1.00	-0.81	-2.35
	2,165.0	14.24	10.71	2,134.2	275.7	270.2	55.6	0.24	-0.09	0.89
	2,209.0	14.37	12.47	2,176.8	286.6	280.8	57.8	1.03	0.30	4.00
	2,253.0	14.36	12.91	2,219.5	297.5	291.5	60.2	0.25	-0.02	1.00
	2,297.0	14.33	14.03	2,262.1	308.4	302.1	62.7	0.63	-0.07	2.55
	2,341.0	14.41	13.97	2,304.7	319.3	312.7	65.4	0.18	0.18	-0.14
	2,385.0	14.47	14.75	2,347.3	330.3	323.3	68.1	0.46	0.14	1.77



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: P-21-8-17 @ 5270.0usft (SS #2)
MD Reference: P-21-8-17 @ 5270.0usft (SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well P-21-8-17
 P-21-8-17 @ 5270.0usft (SS #2)
 P-21-8-17 @ 5270.0usft (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)
	2,428.0	14.76	14.48	2,388.9	341.2	333.8	70.8	0.69	0.67	-0.63
	2,472.0	14.99	12.60	2,431.4	352.4	344.8	73.5	1.21	0.52	-4.27
	2,516.0	14.68	13.26	2,474.0	363.7	355.8	76.0	0.80	-0.70	1.50
	2,560.0	14.77	13.53	2,516.5	374.9	366.6	78.6	0.26	0.20	0.61
	2,604.0	14.77	12.34	2,559.1	386.1	377.6	81.1	0.69	0.00	-2.70
	2,648.0	14.55	12.03	2,601.6	397.2	388.4	83.4	0.53	-0.50	-0.70
	2,691.0	14.50	9.88	2,643.3	408.0	399.0	85.5	1.26	-0.12	-5.00
	2,735.0	14.24	7.95	2,685.9	418.9	409.8	87.2	1.24	-0.59	-4.39
	2,779.0	14.24	8.43	2,728.5	429.7	420.5	88.7	0.27	0.00	1.09
	2,823.0	14.33	12.16	2,771.2	440.5	431.2	90.7	2.10	0.20	8.48
	2,867.0	14.72	15.64	2,813.8	451.6	441.9	93.3	2.17	0.89	7.91
	2,911.0	15.07	16.12	2,856.3	462.9	452.8	96.4	0.84	0.80	1.09
	2,955.0	15.29	15.44	2,898.8	474.4	463.9	99.5	0.64	0.50	-1.55
	2,998.0	15.78	16.70	2,940.2	485.9	474.9	102.7	1.38	1.14	2.93
	3,042.0	16.26	17.70	2,982.5	498.0	486.5	106.3	1.26	1.09	2.27
	3,086.0	16.52	16.12	3,024.7	510.4	498.4	109.9	1.17	0.59	-3.59
	3,130.0	16.44	13.57	3,066.9	522.8	510.5	113.1	1.65	-0.18	-5.80
	3,174.0	15.82	9.48	3,109.2	535.1	522.5	115.6	2.94	-1.41	-9.30
	3,218.0	15.68	7.74	3,151.5	547.0	534.3	117.4	1.12	-0.32	-3.95
	3,261.0	15.56	6.23	3,192.9	558.5	545.8	118.8	0.99	-0.28	-3.51
	3,305.0	15.69	7.11	3,235.3	570.2	557.5	120.2	0.61	0.30	2.00
	3,349.0	16.13	5.79	3,277.6	582.2	569.5	121.5	1.29	1.00	-3.00
	3,393.0	16.61	7.72	3,319.8	594.5	581.8	123.0	1.65	1.09	4.39
	3,437.0	16.88	9.09	3,362.0	607.2	594.4	124.8	1.09	0.61	3.11
	3,480.0	17.05	9.04	3,403.1	619.7	606.8	126.8	0.40	0.40	-0.12
	3,524.0	17.40	10.36	3,445.1	632.7	619.6	129.0	1.19	0.80	3.00
	3,568.0	17.09	10.98	3,487.1	645.7	632.4	131.4	0.82	-0.70	1.41



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well P-21-8-17
TVD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
MD Reference: P-21-8-17 @ 5270.0usft (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)	Buid (°/100usft)	Turn (°/100usft)
	3,612.0	16.13	10.89	3,529.3	658.3	644.8	133.8	2.18	-2.18	-0.20
	3,656.0	15.60	10.80	3,571.6	670.3	656.6	136.1	1.21	-1.20	-0.20
	3,699.0	15.69	12.08	3,613.0	681.9	667.9	138.4	0.83	0.21	2.98
	3,743.0	16.57	14.36	3,655.3	694.1	679.8	141.2	2.46	2.00	5.18
	3,787.0	17.30	15.16	3,697.4	706.9	692.2	144.4	1.74	1.66	1.82
	3,830.0	17.09	14.49	3,738.5	719.6	704.5	147.7	0.67	-0.49	-1.56
	3,873.0	17.18	12.91	3,779.6	732.3	716.8	150.7	1.10	0.21	-3.67
	3,917.0	17.27	12.25	3,821.6	745.3	729.5	153.5	0.49	0.20	-1.50
	3,961.0	17.07	12.67	3,863.6	758.3	742.2	156.3	0.53	-0.45	0.95
	4,005.0	16.88	12.25	3,905.7	771.2	754.8	159.1	0.51	-0.43	-0.95
	4,049.0	17.09	13.35	3,947.8	784.0	767.3	161.9	0.87	0.48	2.50
	4,092.0	16.66	12.21	3,988.9	796.5	779.5	164.7	1.26	-1.00	-2.65
	4,136.0	15.95	10.58	4,031.2	808.9	791.6	167.1	1.92	-1.61	-3.70
	4,180.0	15.25	8.69	4,073.6	820.7	803.2	169.1	1.97	-1.59	-4.30
	4,224.0	14.33	6.89	4,116.1	831.8	814.4	170.7	2.34	-2.09	-4.09
	4,268.0	13.75	5.84	4,158.8	842.4	825.0	171.8	1.44	-1.32	-2.39
	4,312.0	13.75	4.69	4,201.5	852.8	835.4	172.8	0.62	0.00	-2.61
	4,355.0	13.38	4.19	4,243.3	862.8	845.4	173.6	0.90	-0.86	-1.16
	4,399.0	13.36	5.05	4,286.1	872.8	855.6	174.4	0.45	-0.05	1.95
	4,443.0	13.10	7.59	4,329.0	882.8	865.6	175.5	1.45	-0.59	5.77
	4,487.0	12.79	8.08	4,371.8	892.6	875.4	176.9	0.75	-0.70	1.11
	4,531.0	13.14	8.69	4,414.7	902.5	885.1	178.3	0.85	0.80	1.39
	4,574.0	13.29	9.52	4,456.6	912.3	894.8	179.8	0.56	0.35	1.93
	4,618.0	13.14	10.89	4,499.4	922.3	904.7	181.6	0.79	-0.34	3.11
	4,662.0	12.88	12.78	4,542.3	932.2	914.4	183.7	1.13	-0.59	4.30
	4,706.0	12.70	16.73	4,585.2	942.0	923.8	186.1	2.03	-0.41	8.98
	4,750.0	12.66	17.66	4,628.1	951.6	933.1	189.0	0.47	-0.09	2.11



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
MD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well P-21-8-17

P-21-8-17 @ 5270.0usft (SS # 2)

P-21-8-17 @ 5270.0usft (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)
	4,793.0	12.52	17.31	4,670.1	960.9	942.0	191.8	0.37	-0.33	-0.81
	4,837.0	13.45	15.72	4,713.0	970.8	951.5	194.6	2.26	2.11	-3.61
	4,881.0	13.84	14.49	4,755.7	981.2	961.5	197.3	1.10	0.89	-2.80
	4,925.0	13.84	14.27	4,798.4	991.7	971.7	199.9	0.12	0.00	-0.50
	4,969.0	13.58	13.75	4,841.2	1,002.1	981.8	202.5	0.65	-0.59	-1.18
	5,014.0	13.23	14.49	4,885.0	1,012.6	991.9	205.0	0.87	-0.78	1.64
	5,057.0	12.79	16.12	4,926.9	1,022.2	1,001.3	207.6	1.33	-1.02	3.79
	5,100.0	12.79	16.47	4,968.8	1,031.7	1,010.4	210.2	0.18	0.00	0.81
	5,144.0	11.91	15.77	5,011.8	1,041.1	1,019.4	212.8	2.03	-2.00	-1.59
	5,188.0	11.82	13.13	5,054.8	1,050.2	1,028.2	215.1	1.25	-0.20	-6.00
	5,232.0	11.82	10.71	5,097.9	1,059.2	1,037.0	217.0	1.13	0.00	-5.50
	5,275.0	12.30	9.40	5,140.0	1,068.2	1,045.9	218.5	1.28	1.12	-3.05
	5,319.0	12.74	9.92	5,182.9	1,077.7	1,055.3	220.1	1.03	1.00	1.18
	5,363.0	12.61	11.72	5,225.8	1,087.3	1,064.8	221.9	0.94	-0.30	4.09
	5,407.0	12.26	10.41	5,268.8	1,096.8	1,074.1	223.8	1.02	-0.80	-2.98
	5,451.0	12.17	11.29	5,311.8	1,106.1	1,083.2	225.5	0.47	-0.20	2.00
	5,495.0	12.30	12.25	5,354.8	1,115.4	1,092.3	227.4	0.55	0.30	2.18
	5,539.0	12.44	11.42	5,397.8	1,124.8	1,101.5	229.3	0.51	0.32	-1.89
	5,582.0	12.44	11.86	5,439.8	1,134.1	1,110.6	231.2	0.22	0.00	1.02
	5,626.0	12.00	11.72	5,482.8	1,143.4	1,119.7	233.1	1.00	-1.00	-0.32
	5,670.0	12.04	11.15	5,525.8	1,152.6	1,128.7	234.9	0.28	0.09	-1.30
	5,714.0	12.74	11.51	5,568.8	1,162.0	1,138.0	236.8	1.60	1.59	0.82
	5,758.0	13.36	16.43	5,611.7	1,171.9	1,147.6	239.2	2.89	1.41	11.18
	5,802.0	13.01	18.32	5,654.5	1,181.9	1,157.2	242.2	1.26	-0.80	4.30
	5,845.0	12.83	21.44	5,696.4	1,191.5	1,166.2	245.5	1.68	-0.42	7.26
	5,889.0	12.74	20.56	5,739.3	1,201.1	1,175.3	248.9	0.49	-0.20	-2.00
	5,933.0	13.14	19.94	5,782.2	1,210.9	1,184.6	252.4	0.96	0.91	-1.41



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 20 T8S, R17E
Well: P-21-8-17
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well P-21-8-17
MD Reference: P-21-8-17 @ 5270.0usft (SS # 2)
North Reference: P-21-8-17 @ 5270.0usft (SS # 2)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

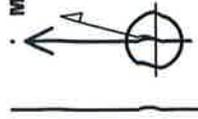
Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	5,977.0	14.28	20.82	5,824.9	1,221.3	1,194.3	256.0	2.63	2.59	2.00
	6,021.0	15.60	20.56	5,867.5	1,232.5	1,204.9	260.0	3.00	3.00	-0.59
	6,065.0	16.22	19.81	5,909.8	1,244.5	1,216.3	264.2	1.48	1.41	-1.70
	6,108.0	16.61	19.72	5,951.0	1,256.5	1,227.7	268.3	0.91	0.91	-0.21
	6,152.0	16.66	19.50	5,993.2	1,269.1	1,239.6	272.5	0.18	0.11	-0.50
	6,196.0	15.60	17.39	6,035.4	1,281.2	1,251.2	276.4	2.75	-2.41	-4.80
	6,240.0	15.25	17.61	6,077.9	1,292.9	1,262.3	279.9	0.81	-0.80	0.50
	6,284.0	15.07	18.40	6,120.3	1,304.4	1,273.3	283.4	0.62	-0.41	1.80
	6,327.0	15.38	18.71	6,161.8	1,315.6	1,284.0	287.0	0.75	0.72	0.72
	6,371.0	15.51	17.39	6,204.2	1,327.3	1,295.1	290.7	0.85	0.30	-3.00
	6,415.0	16.26	18.84	6,246.5	1,339.3	1,306.5	294.4	1.93	1.70	3.30
	6,459.0	16.79	19.99	6,288.7	1,351.7	1,318.4	298.6	1.42	1.20	2.61
	6,503.0	16.63	21.33	6,330.9	1,364.3	1,330.2	303.0	0.95	-0.36	3.05
	6,546.0	15.69	22.36	6,372.2	1,376.1	1,341.3	307.5	2.29	-2.19	2.40
	6,590.0	15.35	21.83	6,414.6	1,387.7	1,352.2	311.9	0.84	-0.77	-1.20
	6,634.0	14.72	19.72	6,457.1	1,399.0	1,362.9	316.0	1.90	-1.43	-4.80
	6,678.0	14.15	17.61	6,499.7	1,409.9	1,373.3	319.5	1.76	-1.30	-4.80
	6,730.0	13.48	15.12	6,550.2	1,422.3	1,385.2	323.0	1.72	-1.29	-4.79

Checked By: _____

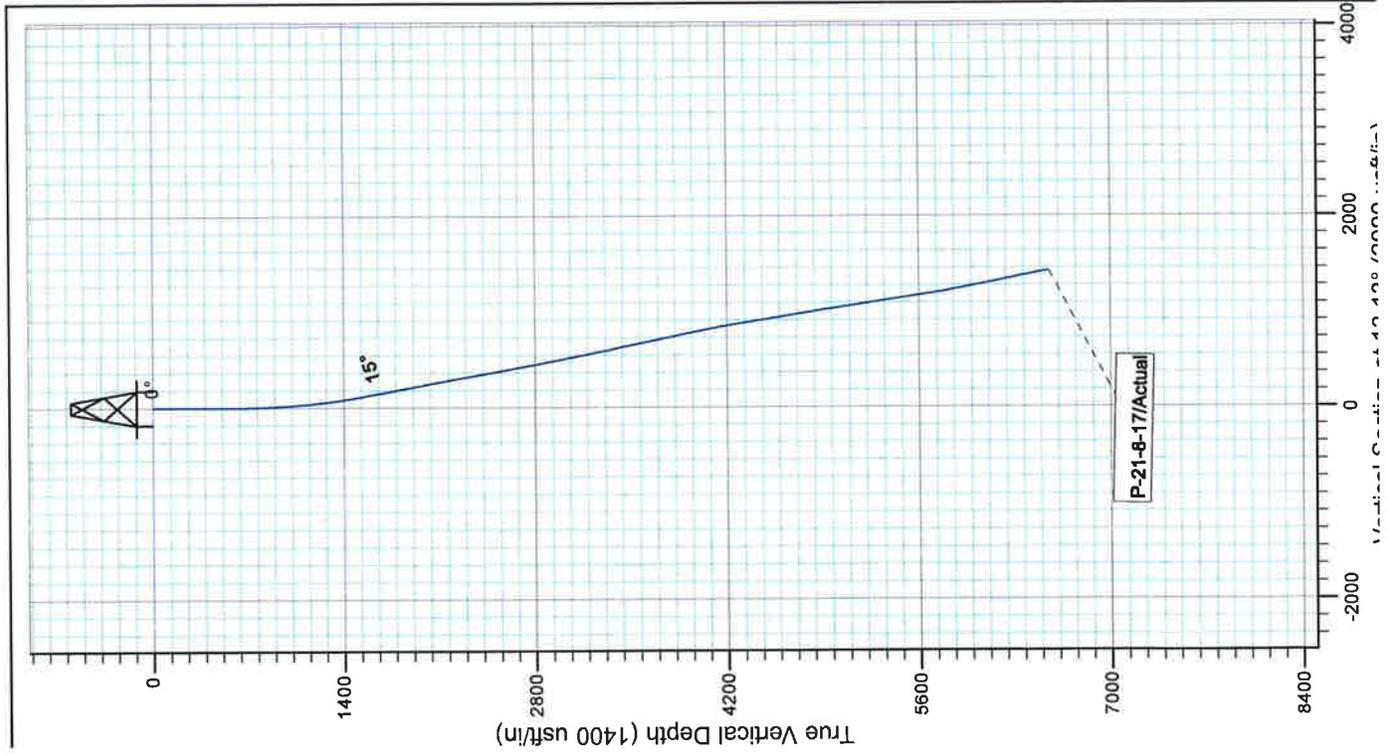
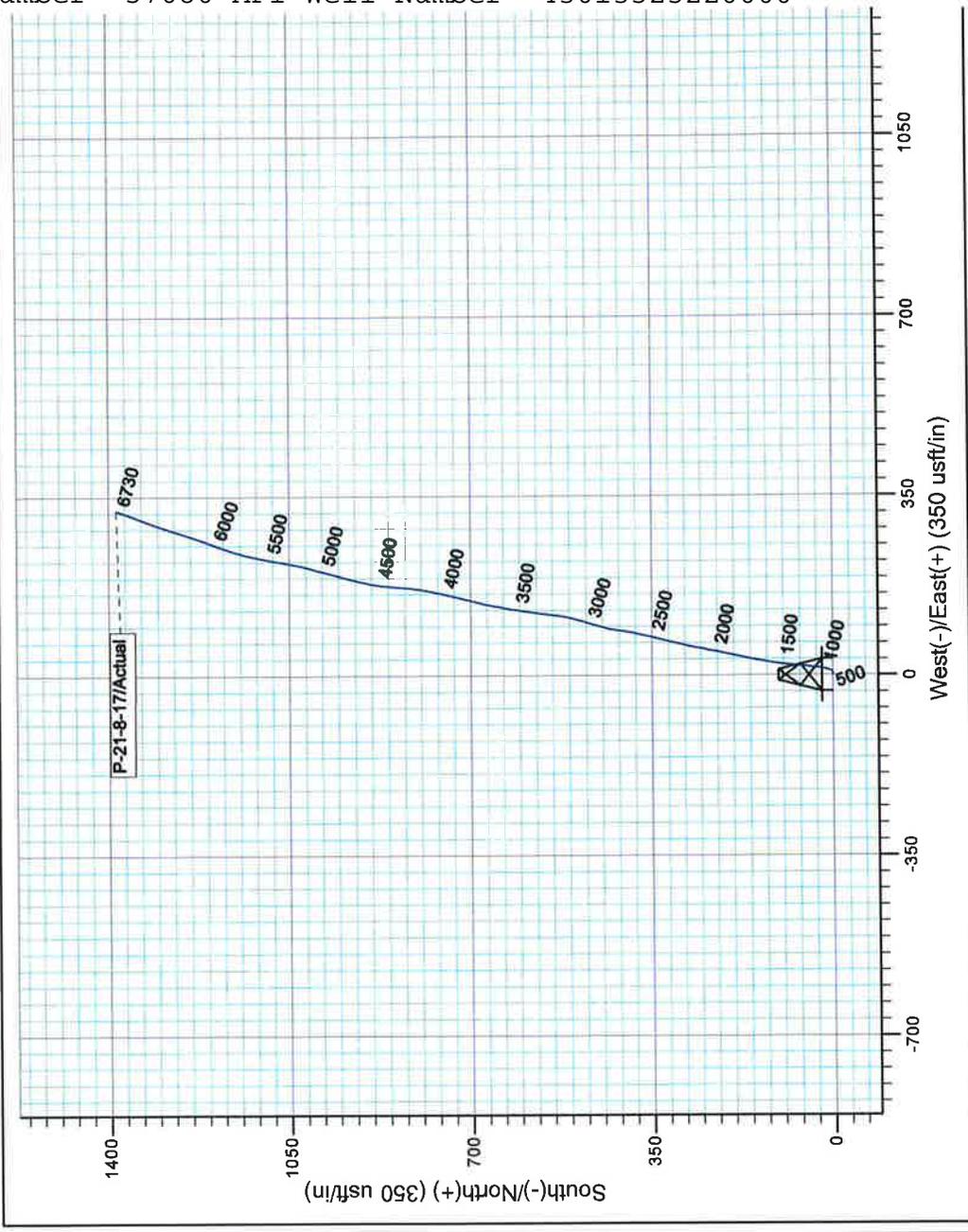
Approved By: _____

Date: _____

Azimuths to true north
 Magnetic North: 10.89°
 Magnetic Field
 Strength: 51988.2nT
 Dip Angle: 65.76°
 Date: 8/3/2014
 Model: IGRF2014



Project: USGS Myton SW (U1)
 Site: SECTION 20 T8S, R17E
 Well: P-21-8-17
 Wellbore: Wellbore #1
 Design: Actual



Design: Actual (P-21-8-17/Wellbore #1)
 Created By: Matthew Limton Date: 8:41, September 19

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





Summary Rig Activity

Well Name: GMBU P-21-8-17

Job Category		Job Start Date	Job End Date
Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
9/22/2014	9/23/2014	RU Baker Hughes WLT, crane & packoff. Run RPM log on well.	
Start Time	End Time	07:00	07:30
	Comment	Well was shut in.	
Start Time	End Time	07:30	09:30
	Comment	Held safety meeting. RD Wellhead. RU Baker Hughes WLT, crane & packoff.	
Start Time	End Time	09:30	13:00
	Comment	Run RPM log from 6650' to 4200' w/ no pressure on well. RD logging trk.	
Start Time	End Time	13:00	00:00
	Comment	Shut well in for tank battery crew.	
Report Start Date	Report End Date	24hr Activity Summary	
10/1/2014	10/2/2014	Run CBL Press Test BOP, Valves & Perf 1st Stage	
Start Time	End Time	06:00	08:00
	Comment	NU FMC FRAC VALVE & WFT SINGLE BLINDS	
Start Time	End Time	08:00	10:00
	Comment	RU PERFORATORS WIRELINE, MU & RIH W/ CEMENT BOND LOG TOOLS, TAG @ 6656', PBTD @ 6680', LOG WELL W/0 PSI, LOG SHORT JOINT @ 4079-4090', ESTIMATED CEMENT TOP @ SURFACE' LD LOGGING TOOLS, SWI	
Start Time	End Time	10:00	12:00
	Comment	RU B&C TEST UNIT, TEST HYD CHAMBERS ON BOPS, TEST CSG, FRAC STACK & ALL COMPONENTS TO 250 PSI 5-MIN LOW & 4300 PSI 10 & 30-MIN HIGHS, ALL GOOD	
Start Time	End Time	12:00	12:30
	Comment	MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS (.34 EHD, 16 GR CHG, 21" PEN, 2 SPF), PERFORATE CP-4 Formation @ 6468-72', 6441-43', & THE CP-3 @ 6408-09', 6373-74', 6368-69', (18 HOLES), POOH W/WIRELINE, LD PERF GUNS, SWI, RD WIRELINE	
Start Time	End Time	12:30	00:00
	Comment	SDFN	
Report Start Date	Report End Date	24hr Activity Summary	
10/3/2014	10/4/2014	Frac & Flow back Well	
Start Time	End Time	00:00	07:00
	Comment	SDFN	
Start Time	End Time	07:00	07:30
	Comment	RU Halliburton Frac Press test Lines Have Safety Meeting	
Start Time	End Time	07:30	08:00
	Comment	(Sig #1 17# Frac) Frac CP-3&4 Formation W/44,000 # 20/40 white sand, W/611 bbls. ISIP 2050 psi FG.76	
Start Time	End Time	08:00	09:00
	Comment	(Sig #2) RU Perforators wireline, Press test lube to 4,000 psi, MU RIH W/ Plug & 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 2 spf) Set plug @ 6330', Perforate the CP-1 Formation @ 6273-77', & the CP-Half @ 6236-38' (12 holes) POOH RD W/L SWI	
Start Time	End Time	09:00	09:45
	Comment	(Sig #2 17# Frac) Frac CP-Half & CP-1 Formations W/ 19,900# 20/40 white sand. W/ 388 bbls. ISIP 2095 psi W/.77 FG	
Start Time	End Time	09:45	10:45
	Comment	(Sig #3) RU Perforators wireline, Press test lube to 4,000 psi, MU RIH W/ Plug & 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 2 spf) Set plug @ 5630', Perforate the C-Sand Formation @ 5556-5559', 5527-28', & The D-2 @ 5425-26', 5396-97', (12 holes) POOH RD W/L SWI	
Start Time	End Time	10:45	11:30
	Comment	(Sig #3 17# Frac) Frac C-Sand & D-2 Formation W/ 49,300# 20/40 white sand. W/505 total bbls pumped ISIP 1815 psi W/.77 FG	



Well Name: GMBU P-21-8-17

Summary Rig Activity

Start Time	11:30	End Time	12:30	Comment
Start Time	12:30	End Time	13:00	(Sig #4) RU Perforators wireline, Press test lube to 4,000 psi, MU RIH W/ CBP & 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges 2spf) Set CFTP @ 4970', Perforate the GB-6 Formation @ 4893-96', 4884-85', 4844-45', & The GB-4 formation @ 4819-21', 4804-05', (16 holes) POOH RD W/L SWI
Start Time	13:00	End Time	17:00	(Sig #4 17# Frac) Frac GB-2/4 Formations W/ 73,800#17 20/40 white sand. W/ 588 bbls. ISIP 2030 psi W/.86 FG
Start Time	17:00	End Time	00:00	Rustin Maier Trucking Flowed back well until turned to oil
Report Start Date	10/7/2014	Report End Date	10/8/2014	Comment
Start Time	00:00	End Time	11:00	SWIFN
Start Time	11:00	End Time	13:00	Comment
Start Time	13:00	End Time	00:00	RU W/L RIH W/ CBP Set CBP @ 4700' Bleed down well POOH & RD W/L
Report Start Date	10/9/2014	Report End Date	10/10/2014	Comment
Start Time	00:00	End Time	06:00	SDFN
Start Time	06:00	End Time	07:00	Crew travel
Start Time	07:00	End Time	08:30	MIRUSU. Talley & prep tbg.
Start Time	08:30	End Time	12:00	P.U & RIH W/ BIT SUB & BIT, 142 JOINTS 2 7/8", TAGGED K.P @ 4690', L.D 1 JOINT
Start Time	12:00	End Time	19:30	Comment
Start Time	19:30	End Time	20:00	SPOT & RU SWIVEL, CATCH CIRC, TAGGED K.P @ 4960', NO FILL, 200 PSI UNDER PLUG, 20 MIN MILL TIME, TAGGED FILL @ 4900', WASHED THROUGH 60' OF FILL TO F.T # 3, 25 MIN MILL TIME, 0 PSI UNDER PLUG, CIRC
Start Time	20:00	End Time	21:00	CLEAN, TAGGED F.T # 2 @ 5640', NO FILL, 30 MIN MILL TIME, 0 PSI UNDER PLUG, TAGGED F.T # 1 @ 6330', NO FILL, 0 PSI UNDER PLUG, 30 MIN MILL TIME, TAGGED FILL @ 6500', WASHED THROUGH 180' OF FILL TO P.B @ 6680', CIRC CLEAN
Start Time	21:00	End Time	00:00	SWI, CLEAN UP FOR THE NIGHT
Report Start Date	10/10/2014	Report End Date	10/11/2014	Comment
Start Time	00:00	End Time	06:00	Crew travel
Start Time	06:00	End Time	07:00	Crew travel
Start Time	07:00	End Time	07:30	SDFN
Report Start Date	10/10/2014	Report End Date	10/11/2014	Comment
Start Time	00:00	End Time	06:00	SDFN
Start Time	06:00	End Time	07:00	Crew travel
Start Time	07:00	End Time	07:30	check pressure on well, 650 psi csg, 450 psi tbg



Well Name: GMBU P-21-8-17

Summary Rig Activity

Start Time	End Time	Comment
07:30	10:30	PUMPED 150 BBL 1%, 15 MIN SHUT IN 250 PSI ON CSG, 0 PSI ON TBG, TRIED TO BLEED CSG DOWN W/ NO LUCK
10:30	13:30	RIG MAINTAINANCE, CLEAN UP LOCATION WHILE WAITING ON MBT TO BRING 2 LOADS 10# BRINE
13:30	16:30	CIRC 200 BBL 10#, 15 MIN SHUT IN 100 PSI, TRIED TO BLEED CSG DOWN W/ NO LUCK
16:30	17:00	SWI TO FLOW OVER WEEKEND, CLEAN UP FOR THE NIGHT
17:00	18:00	Crew travel
18:00	00:00	SDFN
Report Start Date 10/13/2014 Report End Date 10/14/2014 24hr Activity Summary Kill well & round trip tbg RIH W/ Rods		
00:00	06:00	SDFN
06:00	07:00	CREW TRAVEL. SAFETY MEETING. JSA. START EQUIPMENT
07:00	07:30	CSG 300 PSI, TBG 0 PSI, RIG MAINTAINANCE
07:30	09:00	CIRC 150 BBL TO HELD 500 PSI ON CSG W/ 15 CHOKE, BLEED DOWN THROUGH CHOKE TO KILL CSG
09:00	11:00	POOH W/ 197 JOINTS 2 7/8" J-55, BIT SUB & BIT
11:00	13:30	M.U & RIH W/ N.C, 2 JOINTS 2 7/8" J-55, S.N, 1 JOINT 2 7/8" J-55, TAC, 194 JOINTS 2 7/8" J-55
13:30	15:00	R.D TONGS & FLOOR, ND BOP'S, SET TAC W/ 18,000 TENSION, N.U W.H, XO TO ROD EQUIP
15:00	18:30	P.U & PRIME PUMP, M.U & RIH W/ 2 1/2" X 1 3/4" X 24' RHAC, 30 7/8" 8 PER, 145 3/4" 4 PER, 82 7/8" 8 PER, 7/8" X 4' 2' PONTS, 30' POLISH ROD
18:30	19:00	FILL TBG W 5 BBL, S.T PUMP TO 800 PSI
19:00	20:00	MOVE PIPE, PIPE RACKS, TRAILERS TO GIVE WATER TRUCKS ROOM OVER NIGHT, SWI, CLEAN UP FOR THE NIGHT
20:00	21:00	Travel time
21:00	00:00	SDFN