

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 118-32-8-17
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		7. OPERATOR PHONE 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052		9. OPERATOR E-MAIL mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22060	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2310 FSL 2158 FEL	NWSE	32	8.0 S	17.0 E	S
Top of Uppermost Producing Zone	2605 FNL 2065 FEL	SWNE	32	8.0 S	17.0 E	S
At Total Depth	2332 FNL 1981 FEL	SWNE	32	8.0 S	17.0 E	S

21. COUNTY DUCHEсне	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1981	23. NUMBER OF ACRES IN DRILLING UNIT 10
27. ELEVATION - GROUND LEVEL 5198	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 273	26. PROPOSED DEPTH MD: 6114 TVD: 6072
	28. BOND NUMBER B001834	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6114	15.5	J-55 LT&C	8.3	Premium Lite High Strength	284	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 08/23/2013	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013524240000	APPROVAL  Permit Manager	

NEWFIELD PRODUCTION COMPANY
 GMBU 118-32-8-17
 AT SURFACE: NW/SE SECTION 32, 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' – 1,550'
Green River	1,550'
Wasatch	6,090'
Proposed TD	6,114'(MD) 6,072' (TVD)

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

Green River Formation (Oil) 1,550' – 6,090'

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

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

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

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

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

4. **PROPOSED CASING PROGRAM****a. Casing Design: GMBU 118-32-8-17**

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'	6,114'	15.5	J-55	LTC	4,810 2.47	4,040 2.08	217,000 2.29

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 118-32-8-17

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	4,114'	Prem Lite II w/ 10% gel + 3% KCl	284	30%	11.0	3.26
			927			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

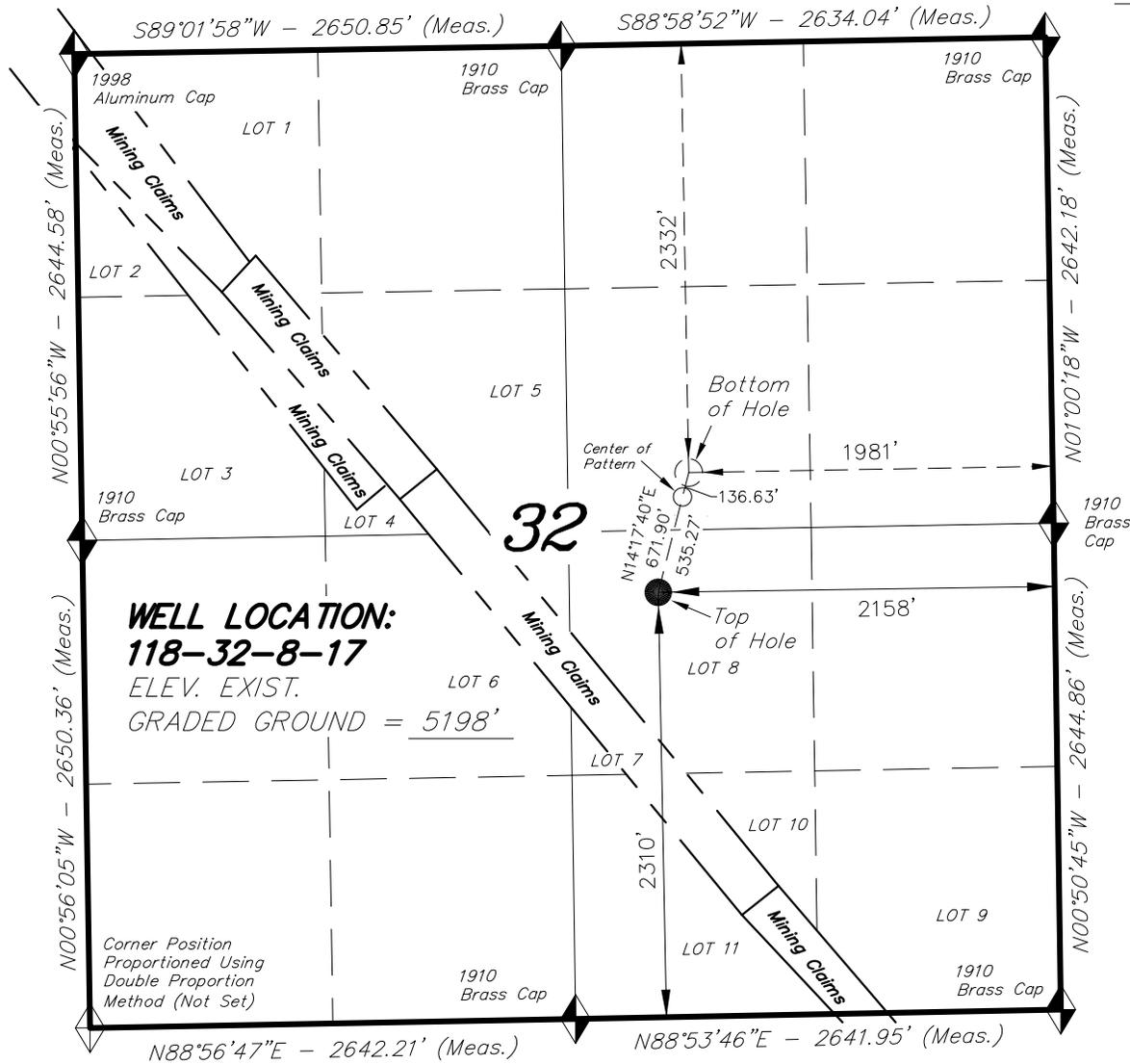
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

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

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

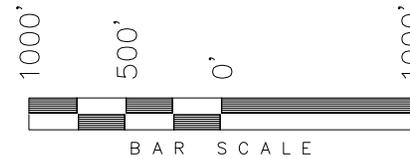
NEWFIELD EXPLORATION COMPANY



WELL LOCATION:
118-32-8-17
 ELEV. EXIST.
 GRADED GROUND = 5198'

WELL LOCATION, 118-32-8-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 (LOT 8) OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

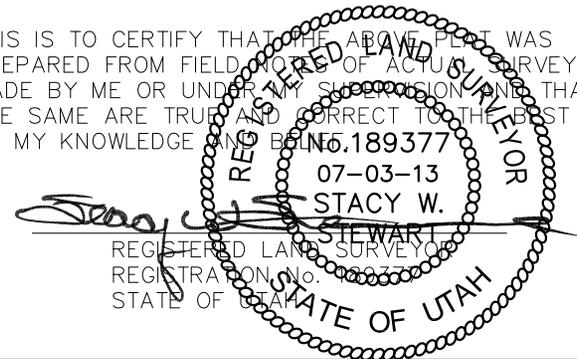
TARGET BOTTOM HOLE, 118-32-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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 2464' FNL & 2017' 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'

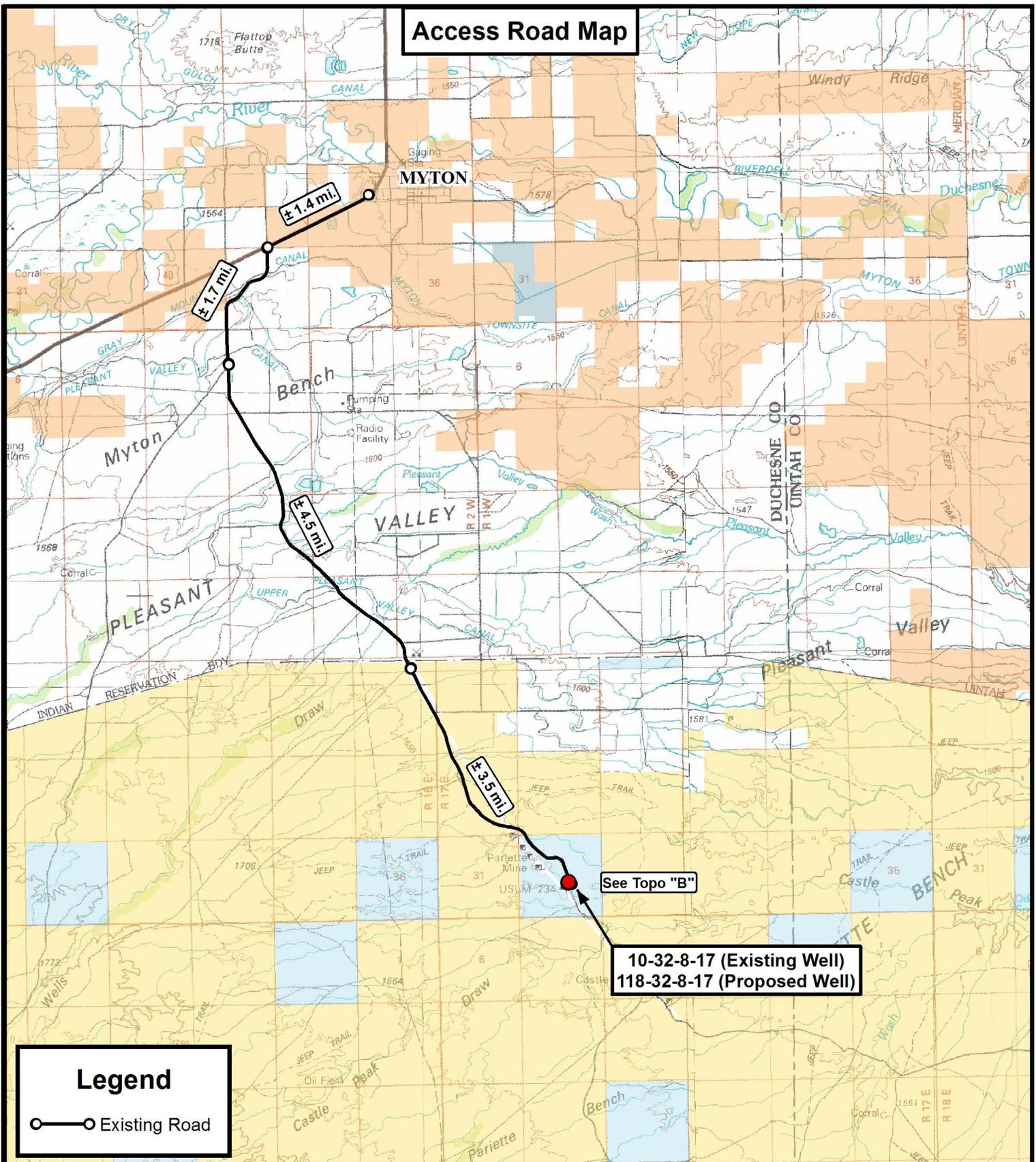
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°04'24.58"	
LONGITUDE = 110°01'43.23"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°04'24.71"	
LONGITUDE = 110°01'40.69"	
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'29.68"	LATITUDE = 40°04'30.98"
LONGITUDE = 110°01'41.42"	LONGITUDE = 110°01'40.96"
NAD 27 (CENTER OF PATTERN)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'29.82"	LATITUDE = 40°04'31.12"
LONGITUDE = 110°01'38.88"	LONGITUDE = 110°01'38.42"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 05-06-13	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 07-03-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

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



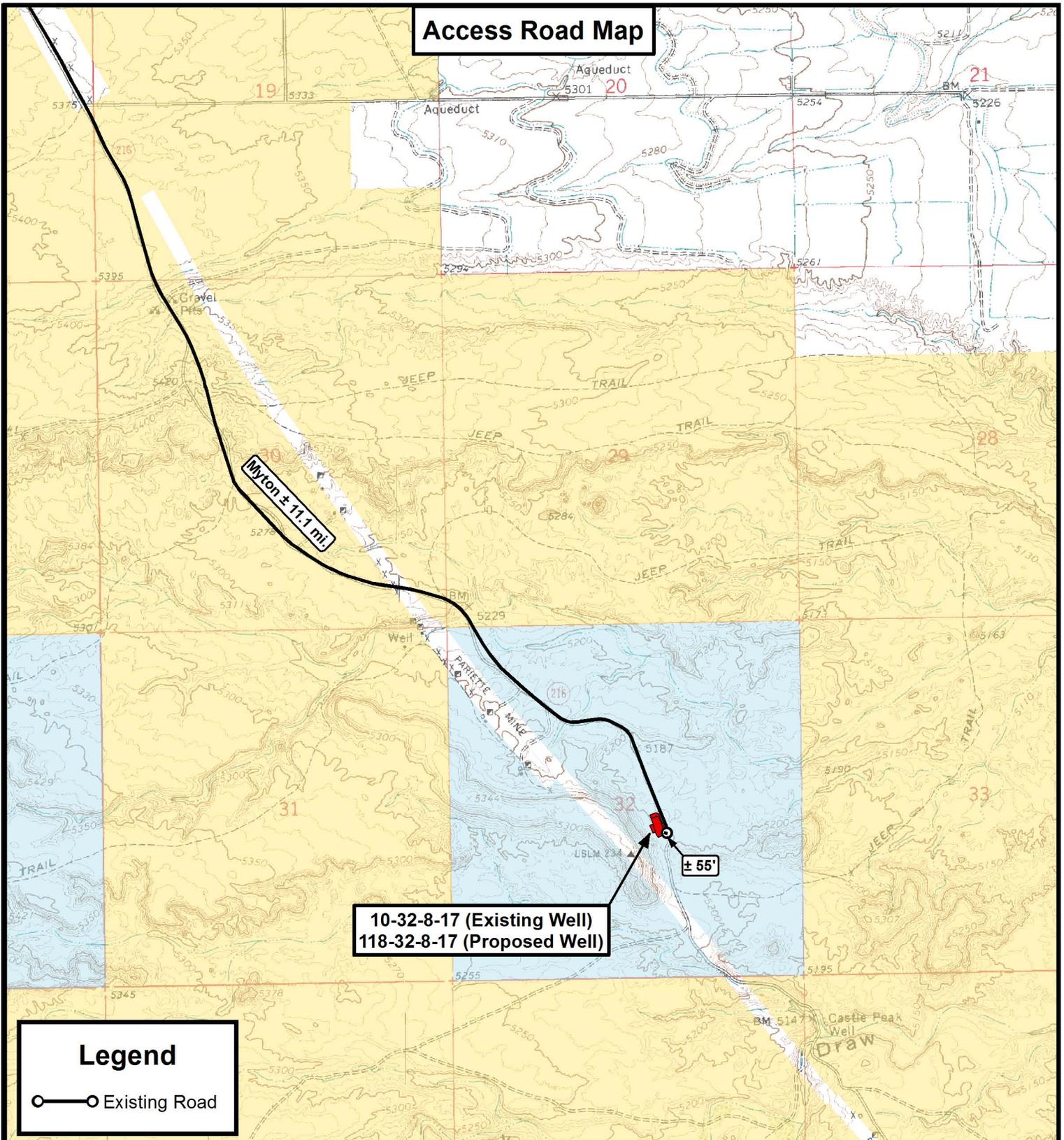
NEWFIELD EXPLORATION COMPANY
 10-32-8-17 (Existing Well)
 118-32-8-17 (Proposed Well)
 Sec. 32, T8S, R17E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	07-03-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



10-32-8-17 (Existing Well)
118-32-8-17 (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.

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F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

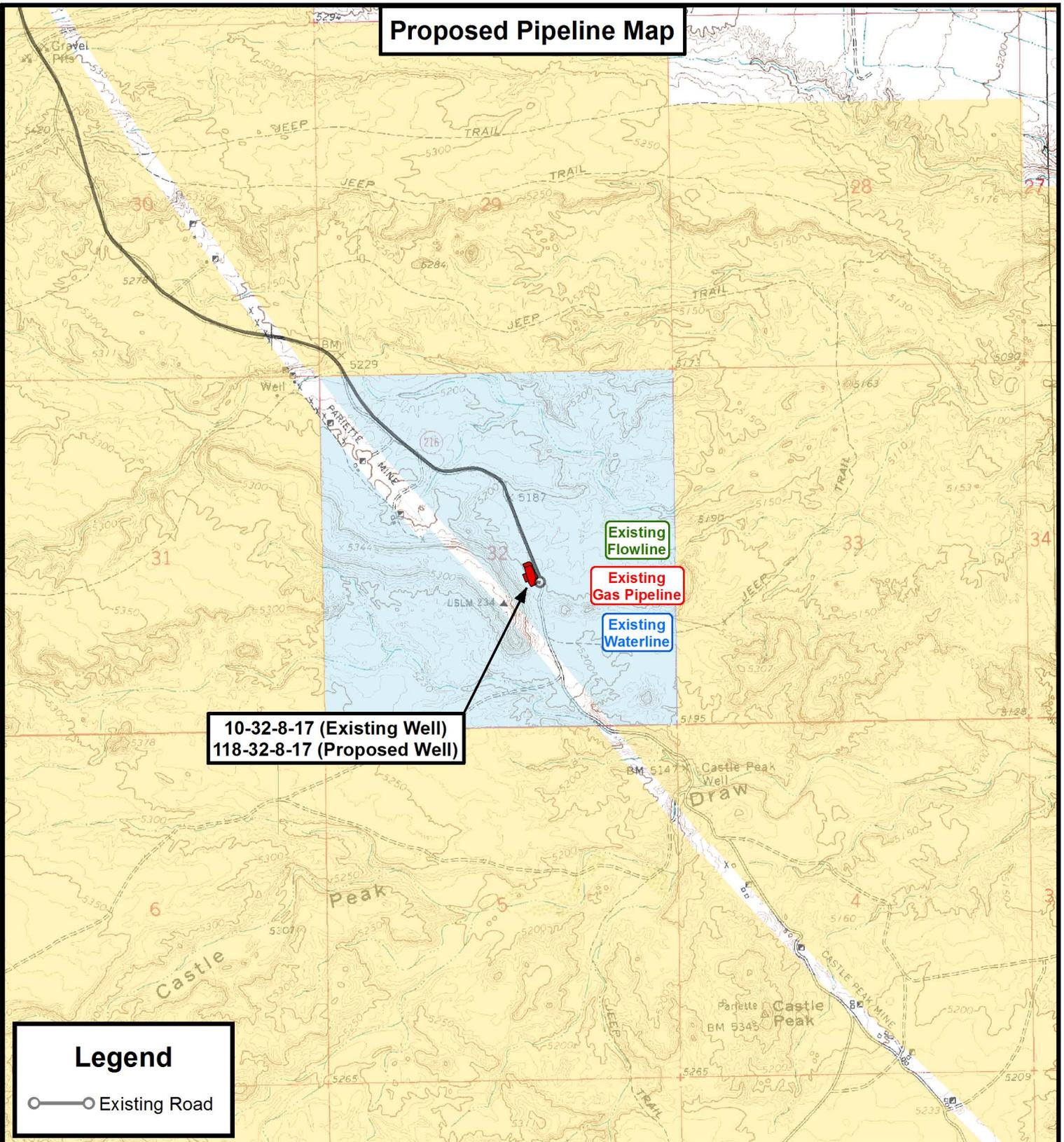
10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	RETIRED:	07-03-13 A.P.C.	VERSION:
DATE:	05-16-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**10-32-8-17 (Existing Well)
118-32-8-17 (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.

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NEWFIELD EXPLORATION COMPANY
10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

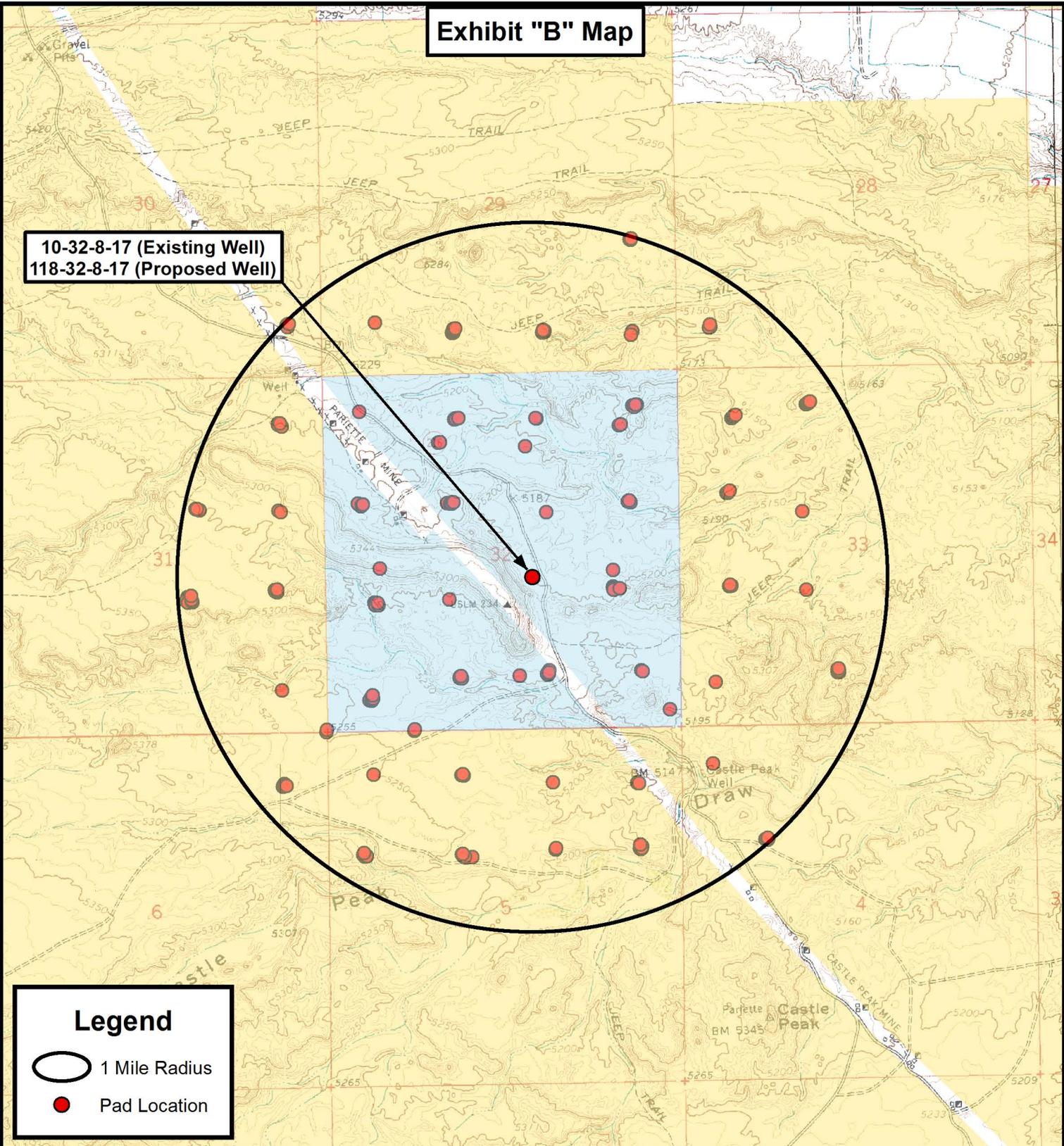
DRAWN BY:	A.P.C.	RETIRED:	07-03-13 A.P.C.	VERSION:
DATE:	05-16-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)



Legend

-  1 Mile Radius
-  Pad Location

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NEWFIELD EXPLORATION COMPANY

10-32-8-17 (Existing Well)
 118-32-8-17 (Proposed Well)
 Sec. 32, T8S, R17E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	07-03-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET **D**

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
10-32-8-17	Surface Hole	40° 04' 24.03" N	110° 01' 43.62" W
M-32-8-17	Surface Hole	40° 04' 24.21" N	110° 01' 43.49" W
S-32-8-17	Surface Hole	40° 04' 24.39" N	110° 01' 43.36" W
118-32-8-17	Surface Hole	40° 04' 24.58" N	110° 01' 43.23" W
118-32-8-17	Center of Pattern	40° 04' 29.68" N	110° 01' 41.42" W
118-32-8-17	Bottom of Hole	40° 04' 30.98" N	110° 01' 40.96" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
10-32-8-17	Surface Hole	40.073342	110.028782
M-32-8-17	Surface Hole	40.073392	110.028746
S-32-8-17	Surface Hole	40.073443	110.028712
118-32-8-17	Surface Hole	40.073494	110.028675
118-32-8-17	Center of Pattern	40.074911	110.028172
118-32-8-17	Bottom of Hole	40.075273	110.028044

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
10-32-8-17	Surface Hole	4436349.442	582814.802
M-32-8-17	Surface Hole	4436354.972	582817.797
S-32-8-17	Surface Hole	4436360.639	582820.672
118-32-8-17	Surface Hole	4436366.322	582823.749
118-32-8-17	Center of Pattern	4436524.105	582864.883
118-32-8-17	Bottom of Hole	4436564.380	582875.382

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
10-32-8-17	Surface Hole	40° 04' 24.17" N	110° 01' 41.08" W
M-32-8-17	Surface Hole	40° 04' 24.35" N	110° 01' 40.95" W
S-32-8-17	Surface Hole	40° 04' 24.53" N	110° 01' 40.82" W
118-32-8-17	Surface Hole	40° 04' 24.71" N	110° 01' 40.69" W
118-32-8-17	Center of Pattern	40° 04' 29.82" N	110° 01' 38.88" W
118-32-8-17	Bottom of Hole	40° 04' 31.12" N	110° 01' 38.42" W

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
10-32-8-17	Surface Hole	40.073380	110.028077
M-32-8-17	Surface Hole	40.073430	110.028041
S-32-8-17	Surface Hole	40.073480	110.028007
118-32-8-17	Surface Hole	40.073531	110.027970
118-32-8-17	Center of Pattern	40.074949	110.027467
118-32-8-17	Bottom of Hole	40.075310	110.027339



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NEWFIELD EXPLORATION COMPANY

10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.
DATE: 07-03-2013
VERSION: V2

REVISED:

COORDINATE REPORT

SHEET

1

RECEIVED: August 23, 2013



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 32 T8S, R17E
118-32-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

02 July, 2013





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 118-32-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	North Reference:	True
Well:	118-32-8-17	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 32 T8S, R17E, SEC 32 T8S, R17E				
Site Position:		Northing:	7,197,024.42 ft	Latitude:	40° 4' 6.630 N
From:	Lat/Long	Easting:	2,049,704.59 ft	Longitude:	110° 2' 14.800 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.94 °

Well	118-32-8-17, SHL LAT: 40 04 24.58 LONG: -110 01 43.23					
Well Position	+N/-S	1,816.1 ft	Northing:	7,198,880.64 ft	Latitude:	40° 4' 24.580 N
	+E/-W	2,454.2 ft	Easting:	2,052,128.57 ft	Longitude:	110° 1' 43.230 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,208.0 ft	Ground Level:	5,198.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2013	11.04	65.77	52,091

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	14.29

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	
1,088.3	7.32	14.29	1,086.9	30.2	7.7	1.50	1.50	0.00	14.29	
5,042.6	7.32	14.29	5,009.0	518.7	132.2	0.00	0.00	0.00	0.00	118-32-8-17 TGT
6,114.3	7.32	14.29	6,072.0	651.1	165.9	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 118-32-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	North Reference:	True
Well:	118-32-8-17	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	14.29	700.0	1.3	0.3	1.3	1.50	1.50	0.00
800.0	3.00	14.29	799.9	5.1	1.3	5.2	1.50	1.50	0.00
900.0	4.50	14.29	899.7	11.4	2.9	11.8	1.50	1.50	0.00
1,000.0	6.00	14.29	999.3	20.3	5.2	20.9	1.50	1.50	0.00
1,088.3	7.32	14.29	1,086.9	30.2	7.7	31.2	1.50	1.50	0.00
1,100.0	7.32	14.29	1,098.6	31.6	8.1	32.7	0.00	0.00	0.00
1,200.0	7.32	14.29	1,197.8	44.0	11.2	45.4	0.00	0.00	0.00
1,300.0	7.32	14.29	1,296.9	56.4	14.4	58.2	0.00	0.00	0.00
1,400.0	7.32	14.29	1,396.1	68.7	17.5	70.9	0.00	0.00	0.00
1,500.0	7.32	14.29	1,495.3	81.1	20.7	83.7	0.00	0.00	0.00
1,600.0	7.32	14.29	1,594.5	93.4	23.8	96.4	0.00	0.00	0.00
1,700.0	7.32	14.29	1,693.7	105.8	26.9	109.1	0.00	0.00	0.00
1,800.0	7.32	14.29	1,792.9	118.1	30.1	121.9	0.00	0.00	0.00
1,900.0	7.32	14.29	1,892.0	130.5	33.2	134.6	0.00	0.00	0.00
2,000.0	7.32	14.29	1,991.2	142.8	36.4	147.4	0.00	0.00	0.00
2,100.0	7.32	14.29	2,090.4	155.2	39.5	160.1	0.00	0.00	0.00
2,200.0	7.32	14.29	2,189.6	167.5	42.7	172.9	0.00	0.00	0.00
2,300.0	7.32	14.29	2,288.8	179.9	45.8	185.6	0.00	0.00	0.00
2,400.0	7.32	14.29	2,388.0	192.2	49.0	198.4	0.00	0.00	0.00
2,500.0	7.32	14.29	2,487.2	204.6	52.1	211.1	0.00	0.00	0.00
2,600.0	7.32	14.29	2,586.3	217.0	55.3	223.9	0.00	0.00	0.00
2,700.0	7.32	14.29	2,685.5	229.3	58.4	236.6	0.00	0.00	0.00
2,800.0	7.32	14.29	2,784.7	241.7	61.6	249.4	0.00	0.00	0.00
2,900.0	7.32	14.29	2,883.9	254.0	64.7	262.1	0.00	0.00	0.00
3,000.0	7.32	14.29	2,983.1	266.4	67.9	274.9	0.00	0.00	0.00
3,100.0	7.32	14.29	3,082.3	278.7	71.0	287.6	0.00	0.00	0.00
3,200.0	7.32	14.29	3,181.4	291.1	74.2	300.4	0.00	0.00	0.00
3,300.0	7.32	14.29	3,280.6	303.4	77.3	313.1	0.00	0.00	0.00
3,400.0	7.32	14.29	3,379.8	315.8	80.5	325.9	0.00	0.00	0.00
3,500.0	7.32	14.29	3,479.0	328.1	83.6	338.6	0.00	0.00	0.00
3,600.0	7.32	14.29	3,578.2	340.5	86.8	351.4	0.00	0.00	0.00
3,700.0	7.32	14.29	3,677.4	352.8	89.9	364.1	0.00	0.00	0.00
3,800.0	7.32	14.29	3,776.5	365.2	93.0	376.9	0.00	0.00	0.00
3,900.0	7.32	14.29	3,875.7	377.5	96.2	389.6	0.00	0.00	0.00
4,000.0	7.32	14.29	3,974.9	389.9	99.3	402.4	0.00	0.00	0.00
4,100.0	7.32	14.29	4,074.1	402.3	102.5	415.1	0.00	0.00	0.00
4,200.0	7.32	14.29	4,173.3	414.6	105.6	427.9	0.00	0.00	0.00
4,300.0	7.32	14.29	4,272.5	427.0	108.8	440.6	0.00	0.00	0.00
4,400.0	7.32	14.29	4,371.7	439.3	111.9	453.4	0.00	0.00	0.00
4,500.0	7.32	14.29	4,470.8	451.7	115.1	466.1	0.00	0.00	0.00
4,600.0	7.32	14.29	4,570.0	464.0	118.2	478.8	0.00	0.00	0.00
4,700.0	7.32	14.29	4,669.2	476.4	121.4	491.6	0.00	0.00	0.00
4,800.0	7.32	14.29	4,768.4	488.7	124.5	504.3	0.00	0.00	0.00
4,900.0	7.32	14.29	4,867.6	501.1	127.7	517.1	0.00	0.00	0.00
5,000.0	7.32	14.29	4,966.8	513.4	130.8	529.8	0.00	0.00	0.00
5,042.6	7.32	14.29	5,009.0	518.7	132.2	535.3	0.00	0.00	0.00
5,100.0	7.32	14.29	5,065.9	525.8	134.0	542.6	0.00	0.00	0.00



Payzone Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well 118-32-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	118-32-8-17 @ 5208.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R17E	North Reference:	True
Well:	118-32-8-17	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)
5,200.0	7.32	14.29	5,165.1	538.1	137.1	555.3	0.00	0.00	0.00
5,300.0	7.32	14.29	5,264.3	550.5	140.3	568.1	0.00	0.00	0.00
5,400.0	7.32	14.29	5,363.5	562.9	143.4	580.8	0.00	0.00	0.00
5,500.0	7.32	14.29	5,462.7	575.2	146.6	593.6	0.00	0.00	0.00
5,600.0	7.32	14.29	5,561.9	587.6	149.7	606.3	0.00	0.00	0.00
5,700.0	7.32	14.29	5,661.0	599.9	152.9	619.1	0.00	0.00	0.00
5,800.0	7.32	14.29	5,760.2	612.3	156.0	631.8	0.00	0.00	0.00
5,900.0	7.32	14.29	5,859.4	624.6	159.1	644.6	0.00	0.00	0.00
6,000.0	7.32	14.29	5,958.6	637.0	162.3	657.3	0.00	0.00	0.00
6,100.0	7.32	14.29	6,057.8	649.3	165.4	670.1	0.00	0.00	0.00
6,114.3	7.32	14.29	6,072.0	651.1	165.9	671.9	0.00	0.00	0.00

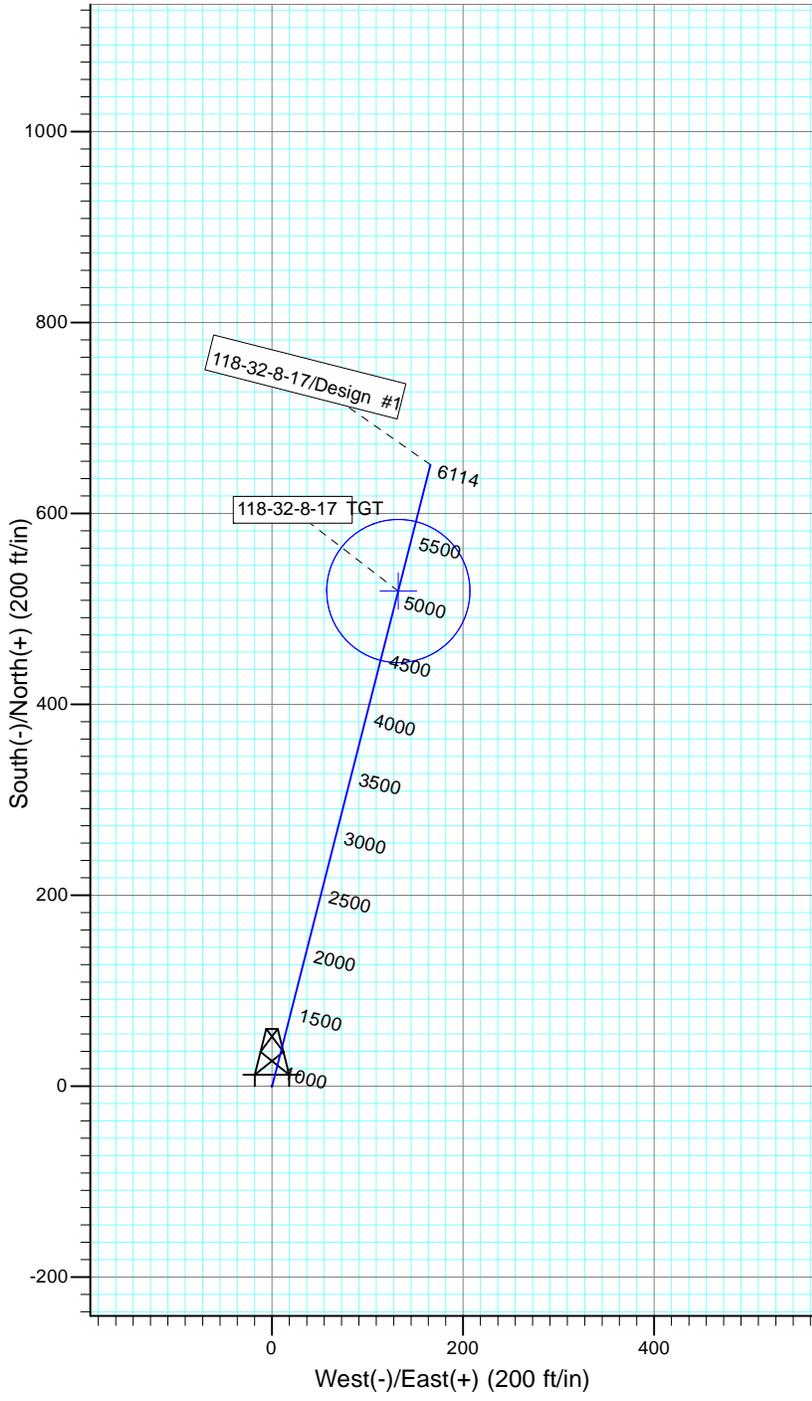
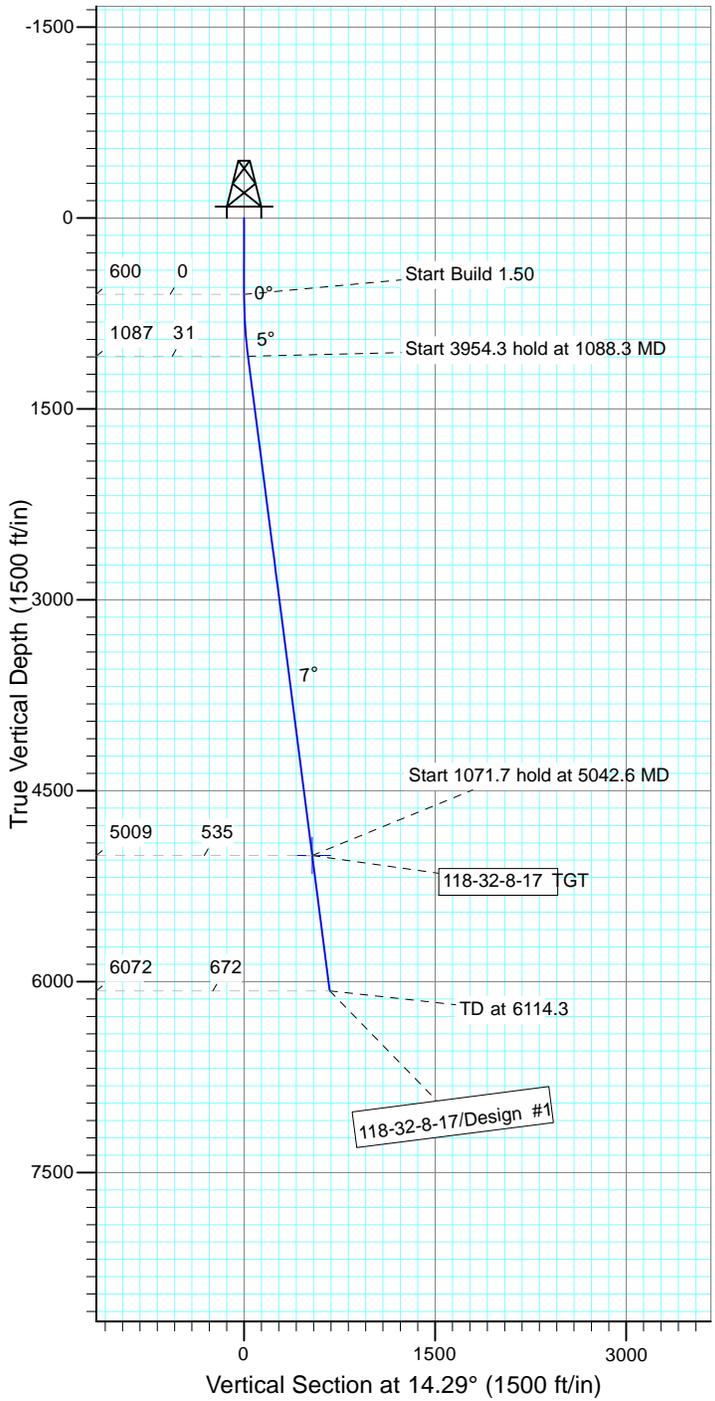


Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R17E
 Well: 118-32-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.04°

Magnetic Field
 Strength: 52090.9snT
 Dip Angle: 65.77°
 Date: 7/2/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
118-32-8-17 TGT	5009.0	518.7	132.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1088.3	7.32	14.29	1086.9	30.2	7.7	1.50	14.29	31.2	
4	5042.6	7.32	14.29	5009.0	518.7	132.2	0.00	0.00	535.3	118-32-8-17 TGT
5	6114.3	7.32	14.29	6072.0	651.1	165.9	0.00	0.00	671.9	



**NEWFIELD PRODUCTION COMPANY
GMBU 118-32-8-17
AT SURFACE: NW/SE SECTION 32, T8S R17E
DUCHESNE COUNTY, UTAH**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

The onsite inspection for this existing pad will need to be set up. The proposed well will be drilled directionally off of the existing 10-32-8-17 well pad.

1. EXISTING ROADS

- a) To reach Newfield Production Company well location site GMBU 118-32-8-17, 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 – 9.7 miles \pm to it's junction with the beginning of the access road to the existing 10-32-8-17 well location.
- b) The proposed location is approximately 11.1 miles southeast of Roosevelt, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

2. PLANNED ACCESS ROAD

- a) There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 10-32-8-17 well pad. See attached Topographic Map "B".
- b) There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.
- c) There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.
- d) All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

- a) Refer to Topographic Map "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.
- c) Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.
- d) Tank batteries will be built to Federal Gold Book specifications.

- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

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

- a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:
 - Johnson Water District (Water Right : 43-7478)
 - Maurice Harvey Pond (Water Right: 47-1358)
 - Neil Moon Pond (Water Right: 43-11787)
 - Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.
- b) The pit-would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.
- f) All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved

plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

- a) See attached Location Layout Sheet.

Fencing Requirements

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

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

- a) Producing Location
1. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.
 2. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting; the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.
- b) Dry Hole Abandoned Location
1. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP**

- a) State of Utah.

12. **OTHER ADDITIONAL INFORMATION**

- a) Montgomery Archeological Consultants, Inc. has conducted a Class I archeological survey. MOAC # 13-151 7/25/13. The report has been submitted under separate cover by Montgomery Archeological Consultants, Inc. The cover page of the report has been attached to this submittal for reference. Newfield would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- b) Wade E. Miller Ph.D. Paleontological Consultant has conducted a paleontological survey. The report has been submitted under separate cover by Wade E. Miller dated 6/17/13. The cover page of the report has been attached to this submittal for reference.
- c) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- d) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #118-32-8-17, Section 32, Township 8S, Range 17E: Lease ML-22060 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, #B001834.

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

8/22/13
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

10-32-8-17 (Existing Well)

118-32-8-17 (Proposed Well)

Pad Location: NWSE (Lot 8) Section 32, T8S, R17E, S.L.B.&M.



Note:

Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
118-32-8-17	519'	132'

*RELATIVE COORDINATES
From Top Hole to Bottom Hole*

WELL	NORTH	EAST
118-32-8-17	651'	166'

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

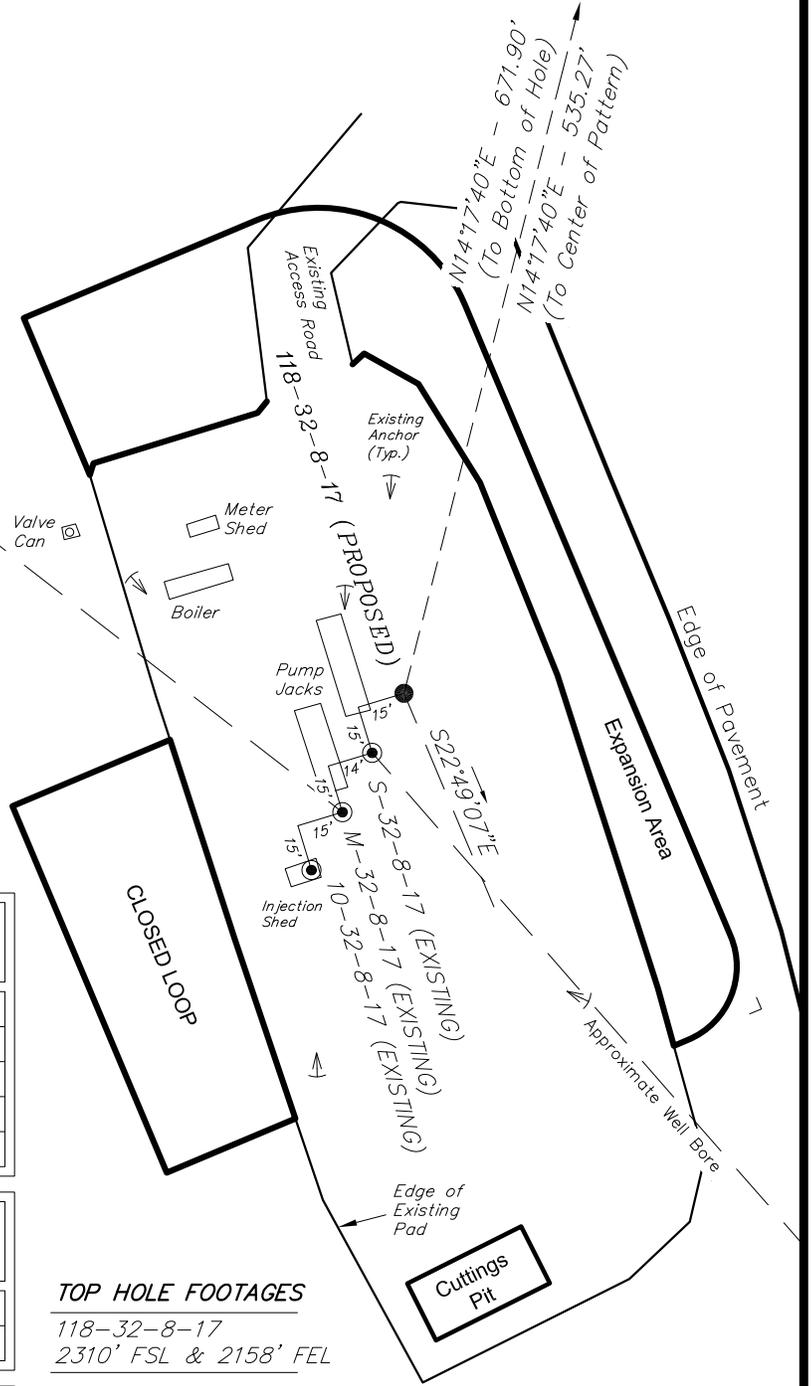
WELL	LATITUDE	LONGITUDE
10-32-8-17	40° 04' 24.03"	110° 01' 43.62"
M-32-8-17	40° 04' 24.21"	110° 01' 43.49"
S-32-8-17	40° 04' 24.39"	110° 01' 43.36"
118-32-8-17	40° 04' 24.58"	110° 01' 43.23"

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

WELL	LATITUDE	LONGITUDE
118-32-8-17	40° 04' 29.68"	110° 01' 41.42"

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

WELL	LATITUDE	LONGITUDE
118-32-8-17	40° 04' 30.98"	110° 01' 40.96"



TOP HOLE FOOTAGES

118-32-8-17
2310' FSL & 2158' FEL

CENTER OF PATTERN FOOTAGES

118-32-8-17
2464' FNL & 2017' FEL

BOTTOM HOLE FOOTAGES

118-32-8-17
2332' FNL & 1981' FEL

SURVEYED BY: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-13	V2
SCALE: 1" = 60'	REVISED:	

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

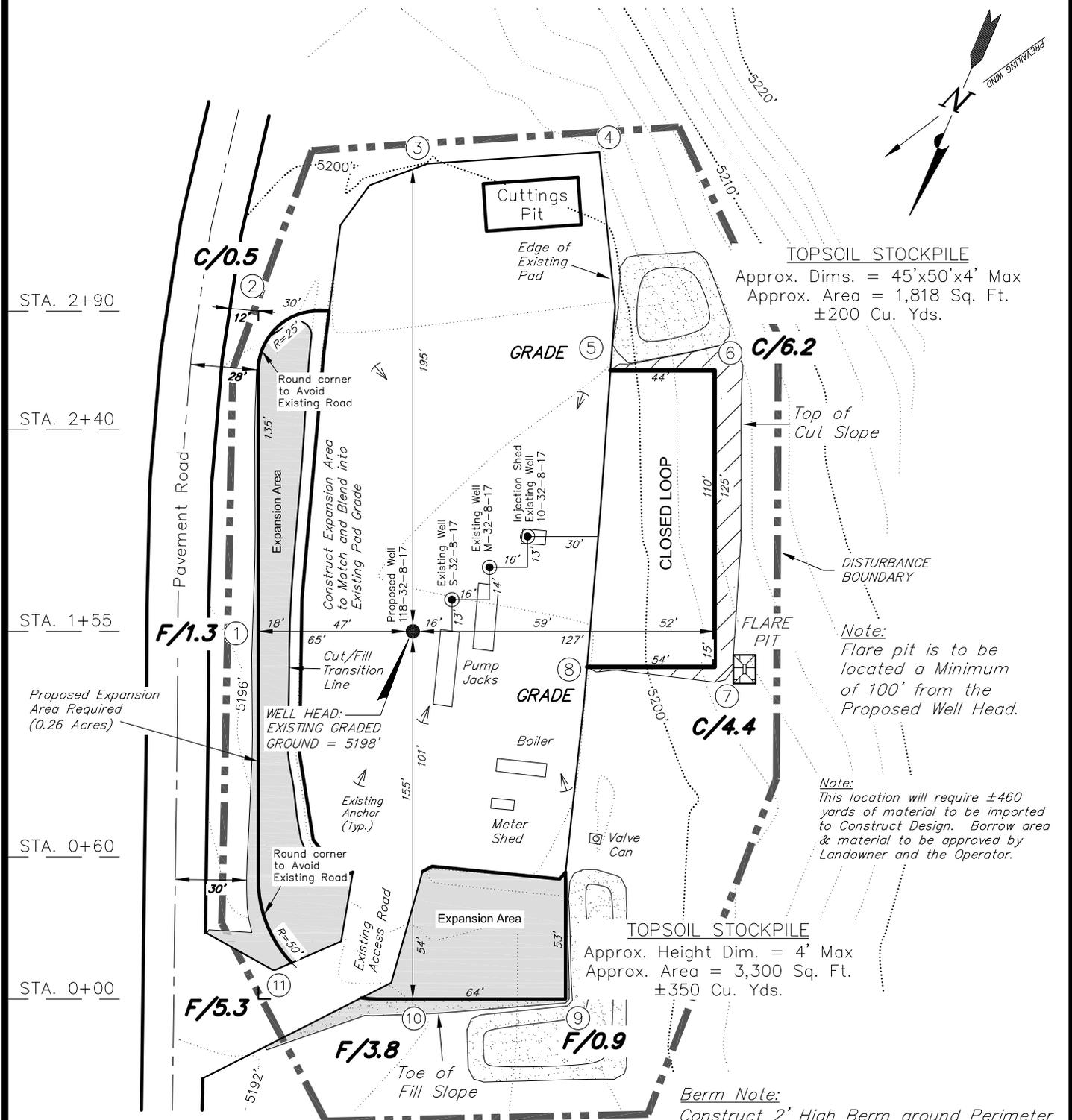
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

10-32-8-17 (Existing Well)

118-32-8-17 (Proposed Well)

Pad Location: NWSE (Lot 8) Section 32, T8S, R17E, S.L.B.&M.



NOTE:
 The topsoil material areas are calculated as being mounds containing 550 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.

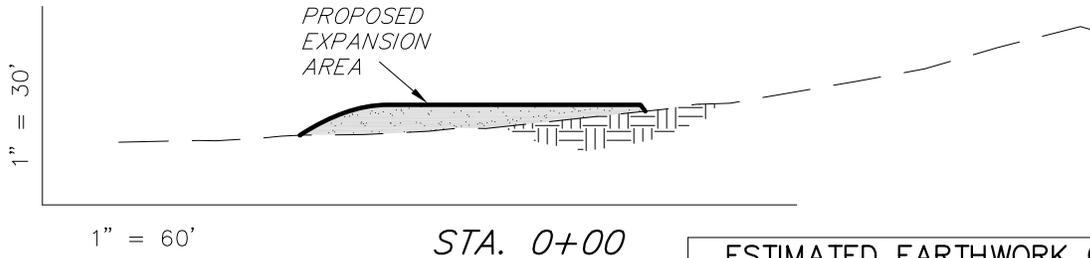
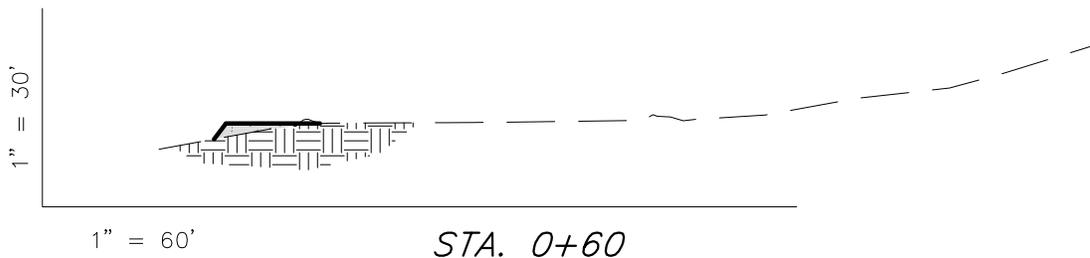
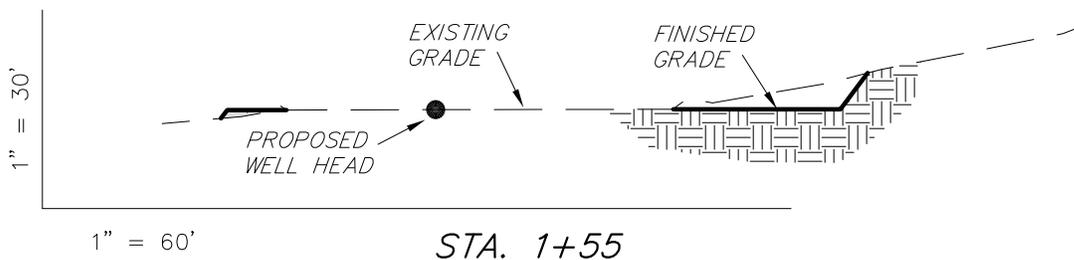
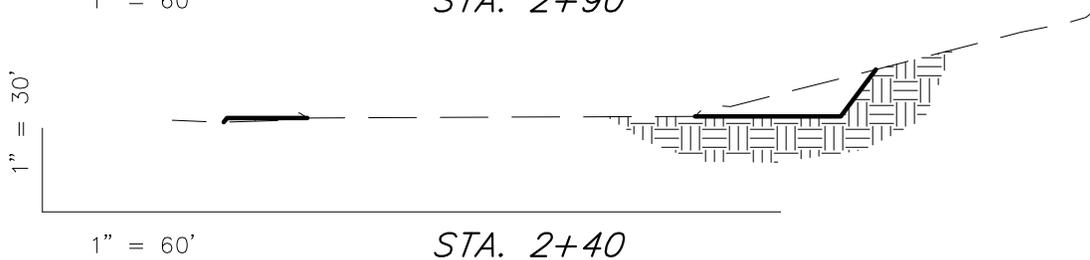
SURVEYED BY: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-13	V2
SCALE: 1" = 60'	REVISED: F.T.M. 07-03-13	

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

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS 10-32-8-17 (Existing Well) 118-32-8-17 (Proposed Well)

Pad Location: NWSE (Lot 8) Section 32, T8S, R17E, S.L.B.&M.



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

Note:
This location will require ±460 yards of
material to be imported to Construct
Design. Borrow area & material to be
approved by Landowner and the Operator.

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	330	790	Topsoil is not included in Pad Cut	-460
PIT	N/A	N/A		N/A
TOTALS	330	790	500	-460

SURVEYED BY: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-13	V2
SCALE: 1" = 60'	REVISED:	

(435) 781-2501

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

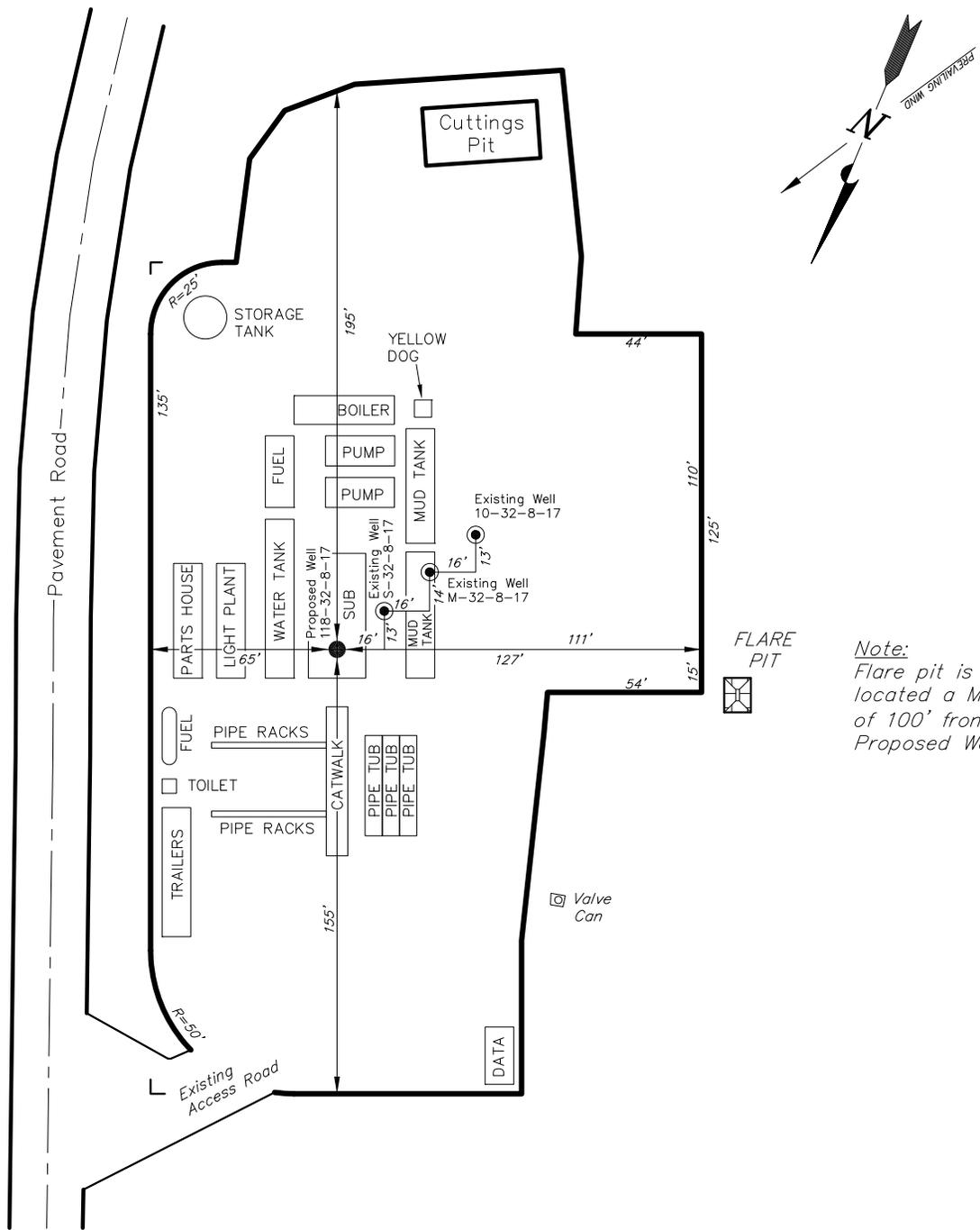
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

10-32-8-17 (Existing Well)

118-32-8-17 (Proposed Well)

Pad Location: NWSE (Lot 8) Section 32, T8S, R17E, S.L.B.&M.



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

SURVEYED BY: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-13	V2
SCALE: 1" = 60'	REVISED:	

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

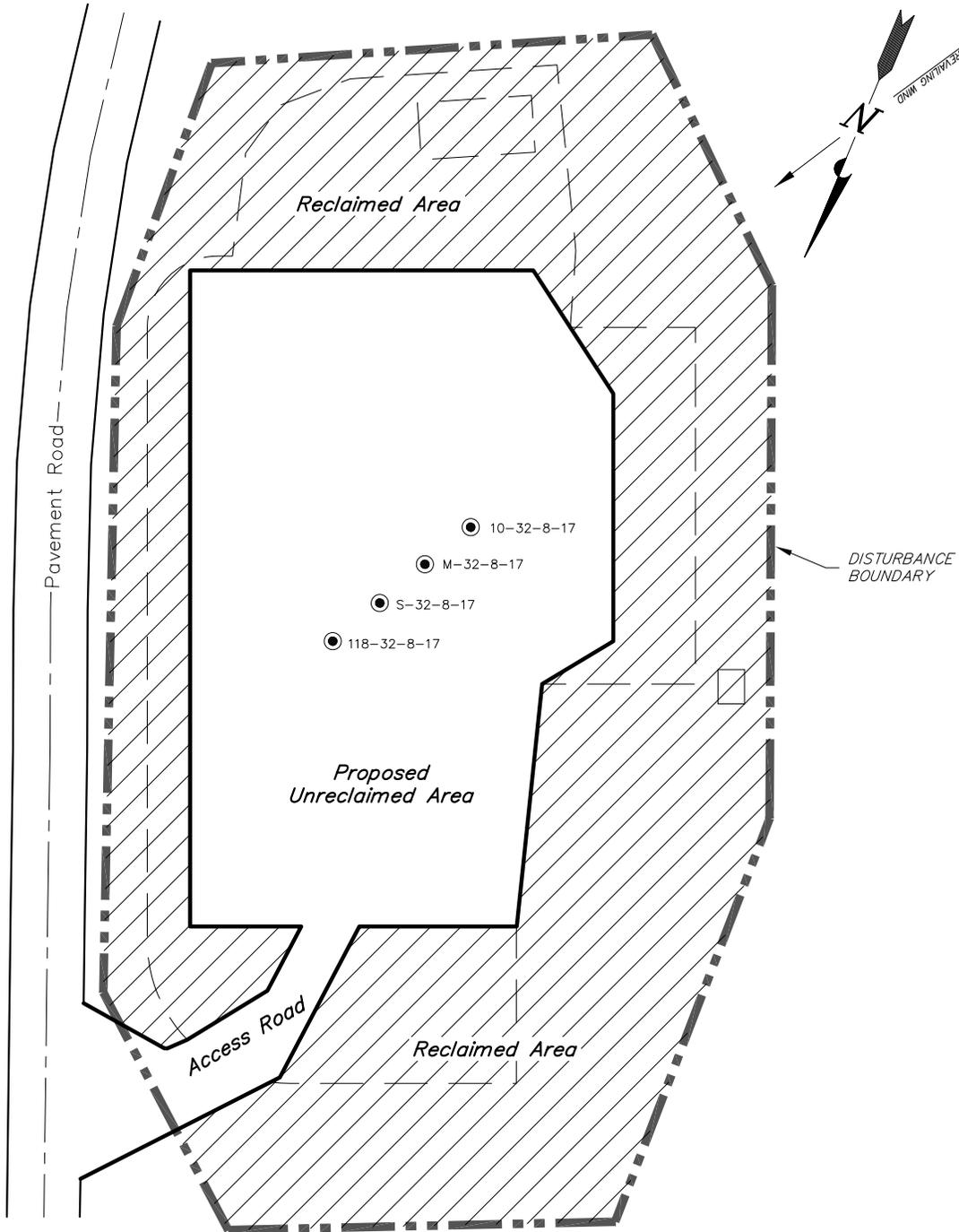
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

10-32-8-17 (Existing Well)

118-32-8-17 (Proposed Well)

Pad Location: NWSE (Lot 8) Section 32, 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 = ±1.99 ACRES
 TOTAL RECLAIMED AREA = ±1.23 ACRES
 UNRECLAIMED AREA = ±0.76 ACRES

SURVEYED BY: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-13	V2
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

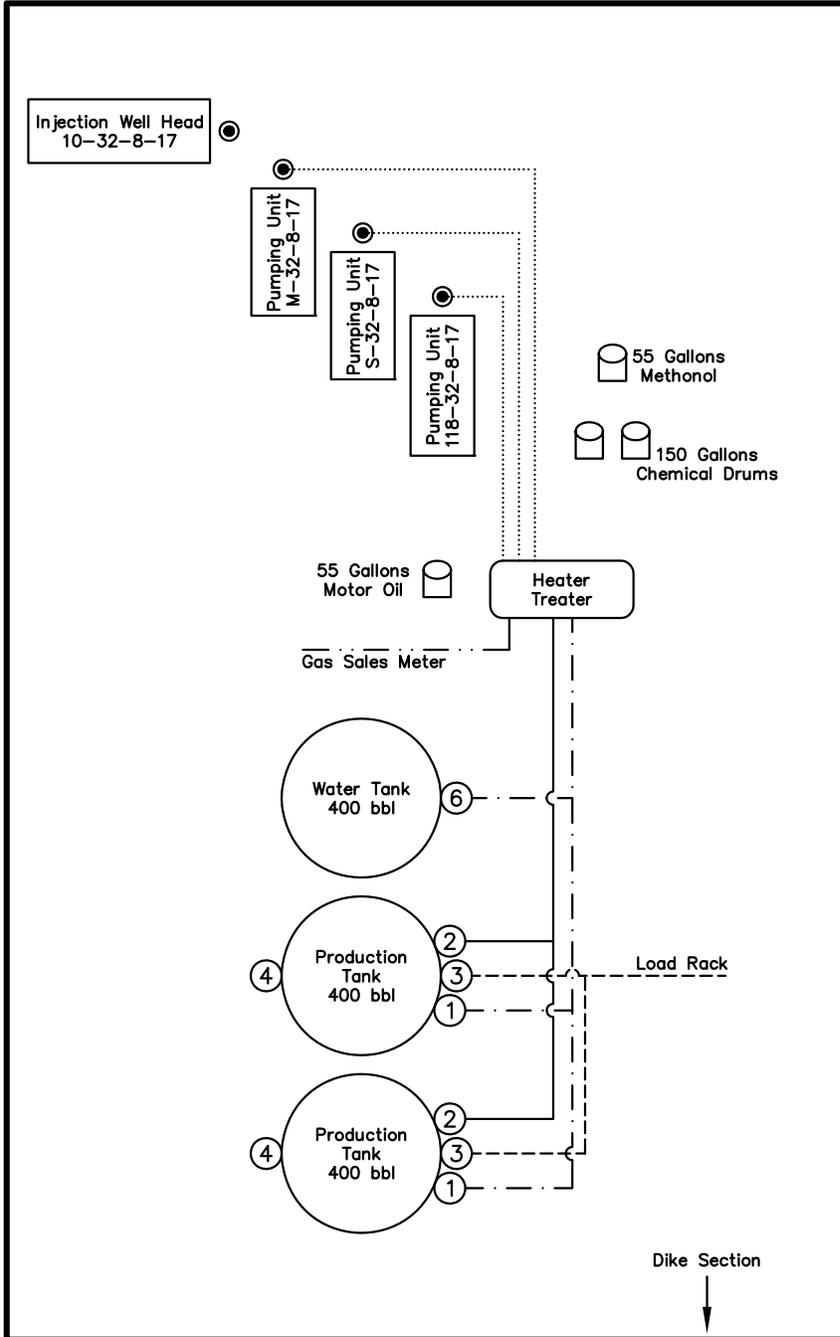
10-32-8-17

M-32-8-17 ML-22060

S-32-8-17 ML-22060

118-32-8-17 ML-22060

Pad Location: NWSE (Lot 8) Section 32, 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: C.S.	DATE SURVEYED: 05-06-13	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 07-03-13	V2
SCALE: NONE	REVISED:	

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



Diana Mason <dianawhitney@utah.gov>

Well Approvals

Jeff Conley <jconley@utah.gov>

Wed, Aug 28, 2013 at 10:04 AM

To: Brad Hill <bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov>, Jim Davis <jimdavis1@utah.gov>, Lavonne Garrison <lavonnegarrison@utah.gov>, mcrozier@newfield.com

The following wells have been approved by SITLA:

(4301352425) GMBU 126-32-8-17
(4301352424) GMBU 118-32-8-17

Thank you,

--
Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157

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)

September 3, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

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

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

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-52377	GMBU G-13-9-15	Sec 13 T09S R15E 1999 FNL 2250 FWL BHL Sec 13 T09S R15E 1137 FNL 0901 FWL
43-013-52388	GMBU Q-18-9-16	Sec 18 T09S R16E 1945 FSL 0590 FWL BHL Sec 18 T09S R16E 1188 FSL 1254 FWL
43-013-52389	GMBU N-18-9-16	Sec 18 T09S R16E 1964 FSL 0581 FWL BHL Sec 18 T09S R16E 2360 FNL 1449 FWL
43-013-52403	GMBU U-21-8-17	Sec 27 T08S R17E 0676 FNL 1301 FWL BHL Sec 21 T08S R17E 0312 FSL 0244 FEL
43-013-52404	GMBU A-33-8-17	Sec 34 T08S R17E 0685 FNL 0902 FWL BHL Sec 33 T08S R17E 0115 FNL 0137 FEL
43-013-52406	GMBU X-27-8-17	Sec 34 T08S R17E 0672 FNL 0918 FWL BHL Sec 27 T08S R17E 0477 FSL 1404 FWL
43-013-52407	GMBU E-13-9-15	Sec 11 T09S R15E 0636 FSL 0708 FEL BHL Sec 13 T09S R15E 0186 FNL 0208 FWL
43-013-52408	GMBU U-15-9-15	Sec 23 T09S R15E 0537 FNL 0687 FWL BHL Sec 15 T09S R15E 0172 FSL 0146 FEL
43-013-52409	GMBU G-23-9-15	Sec 23 T09S R15E 0558 FNL 0685 FWL BHL Sec 23 T09S R15E 1415 FNL 1497 FWL
43-013-52410	GMBU X-14-9-15	Sec 23 T09S R15E 0666 FNL 2006 FWL BHL Sec 14 T09S R15E 0160 FSL 1164 FWL

RECEIVED: September 03, 2013

API #	WELL NAME	LOCATION						
(Proposed PZ GREEN RIVER)								
43-013-52411	GMBU G-22-9-15	Sec 22	T09S	R15E	1909	FNL	1135	FWL
		BHL Sec 22	T09S	R15E	1179	FNL	0772	FWL
43-013-52412	GMBU H-23-9-15	Sec 23	T09S	R15E	0667	FNL	2027	FWL
		BHL Sec 23	T09S	R15E	1413	FNL	2537	FEL
43-013-52413	GMBU H-22-9-15	Sec 22	T09S	R15E	1926	FNL	1148	FWL
		BHL Sec 22	T09S	R15E	1167	FNL	2319	FEL
43-013-52414	GMBU I-22-9-15	Sec 22	T09S	R15E	1982	FNL	1880	FEL
		BHL Sec 22	T09S	R15E	1060	FNL	1071	FEL
43-013-52415	GMBU G-3-9-17	Sec 03	T09S	R17E	1902	FNL	1994	FWL
		BHL Sec 03	T09S	R17E	1103	FNL	1262	FWL
43-013-52416	GMBU K-6-9-16	Sec 05	T09S	R16E	2135	FNL	0675	FWL
		BHL Sec 06	T09S	R16E	2336	FSL	0120	FEL
43-013-52417	GMBU J-6-9-16	Sec 05	T09S	R16E	2115	FNL	0669	FWL
		BHL Sec 06	T09S	R16E	1294	FNL	0058	FEL
43-013-52418	GMBU M-24-9-15	Sec 24	T09S	R15E	2079	FNL	2071	FEL
		BHL Sec 24	T09S	R15E	2317	FSL	2533	FWL
43-013-52419	GMBU L-24-9-15	Sec 24	T09S	R15E	2096	FNL	2058	FEL
		BHL Sec 24	T09S	R15E	2361	FSL	1235	FEL
43-013-52420	GMBU K-24-9-15	Sec 19	T09S	R16E	1834	FNL	0481	FWL
		BHL Sec 24	T09S	R15E	2410	FSL	0107	FEL
43-013-52421	GMBU J-24-9-15	Sec 19	T09S	R16E	1831	FNL	0502	FWL
		BHL Sec 24	T09S	R15E	1219	FNL	0112	FEL
43-013-52422	GMBU M-22-9-15	Sec 22	T09S	R15E	2002	FNL	1873	FEL
		BHL Sec 22	T09S	R15E	2516	FSL	1903	FWL
43-013-52423	GMBU B-19-9-16	Sec 18	T09S	R16E	0637	FSL	2334	FEL
		BHL Sec 19	T09S	R16E	0027	FNL	0752	FEL
43-013-52424	GMBU 118-32-8-17	Sec 32	T08S	R17E	2310	FSL	2158	FEL
		BHL Sec 32	T08S	R17E	2332	FNL	1981	FEL
43-013-52425	GMBU 126-32-8-17	Sec 32	T08S	R17E	0861	FSL	1953	FEL
		BHL Sec 32	T08S	R17E	1518	FSL	1952	FEL
43-013-52436	GMBU R-18-9-16	Sec 18	T09S	R16E	1031	FSL	2024	FWL
		BHL Sec 18	T09S	R16E	1543	FSL	2338	FEL
43-013-52437	GMBU I-26-9-15	Sec 23	T09S	R15E	0713	FSL	1818	FEL
		BHL Sec 26	T09S	R15E	1284	FNL	1375	FEL
43-013-52438	GMBU 112-1-9-16	Sec 01	T09S	R16E	1945	FNL	0682	FWL
		BHL Sec 01	T09S	R16E	1299	FNL	0716	FWL
43-013-52439	GMBU 111-1-9-16	Sec 01	T09S	R16E	2071	FNL	2004	FWL
		BHL Sec 01	T09S	R16E	1255	FNL	1803	FWL
43-013-52440	GMBU 118-10-9-16	Sec 10	T09S	R16E	1983	FSL	1941	FEL
		BHL Sec 10	T09S	R16E	2241	FNL	2129	FEL
43-013-52441	GMBU 125-6-9-17	Sec 06	T09S	R17E	2065	FSL	0784	FEL
		BHL Sec 06	T09S	R17E	1110	FSL	0492	FEL

API #	WELL NAME	LOCATION						
(Proposed PZ GREEN RIVER)								
43-013-52442	GMBU 117-6-9-17	Sec 06	T09S	R17E	1826	FNL	0938	FEL
		BHL Sec 06	T09S	R17E	2485	FSL	0619	FEL
43-013-52443	GMBU 115-6-9-17	Sec 06	T09S	R17E	1841	FNL	0954	FEL
		BHL Sec 06	T09S	R17E	2032	FNL	1536	FEL
43-013-52444	GMBU 109-6-9-17	Sec 06	T09S	R17E	0798	FNL	0652	FEL
		BHL Sec 06	T09S	R17E	1456	FNL	0638	FEL
43-013-52445	GMBU 110-34-8-16	Sec 34	T08S	R16E	0691	FNL	1952	FEL
		BHL Sec 34	T08S	R16E	1396	FNL	2028	FEL
43-013-52446	GMBU 102-35-8-16	Sec 26	T08S	R16E	0640	FSL	1971	FEL
		BHL Sec 35	T08S	R16E	0521	FNL	1700	FEL
43-013-52447	GMBU 116-6-9-17	Sec 05	T09S	R17E	1861	FNL	0559	FWL
		BHL Sec 06	T09S	R17E	2016	FNL	0410	FEL
43-013-52448	GMBU 119-31-8-17	Sec 31	T08S	R17E	2051	FSL	2017	FWL
		BHL Sec 31	T08S	R17E	2352	FNL	1902	FWL
43-013-52449	GMBU 103-1-9-16	Sec 36	T08S	R16E	0721	FSL	2308	FWL
		BHL Sec 01	T09S	R16E	0274	FNL	2041	FWL
43-013-52451	GMBU 118-6-9-17	Sec 06	T09S	R17E	2143	FNL	1952	FEL
		BHL Sec 06	T09S	R17E	2290	FSL	1960	FEL
43-013-52457	GMBU 2-26-9-15	Sec 23	T09S	R15E	0692	FSL	1820	FEL
		BHL Sec 26	T09S	R15E	0647	FNL	1950	FEL
43-013-52458	GMBU 11-18-9-16	Sec 18	T09S	R16E	1026	FSL	2004	FWL
		BHL Sec 18	T09S	R16E	1982	FSL	1865	FWL

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: 2013.09.03 08:22:36 -06'00'

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

MCoulthard:mc:9-3-13

RECEIVED: September 03, 2013

NEWFIELD



VIA ELECTRONIC DELIVERY

September 9, 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 118-32-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 32: Lot 8 (NWSE) (ML-22060)
2310' FSL 2158' FEL

At Target: T8S-R17E Section 32: SWNE (ML-22060)
2332' FNL 1981' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 8/23/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,
Newfield Production Company

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

Leslie Burget
Land Associate

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU 118-32-8-17				
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 WLD CAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 Myton, UT 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22060			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2310FSL2158FEL		NWSE	32	8.0S	17.0E	S		
Top of Uppermost Producing Zone		2805FNL2065FEL		SWNE	32	8.0S	17.0E	S		
At Total Depth		2332FNL1981FEL		SWNE	32	8.0S	17.0E	S		
21. COUNTY DUCHEGNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1981			23. NUMBER OF ACRES IN DRILLING UNIT 10				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 273			26. PROPOSED DEPTH MD:6114 TVD:6072				
27. ELEVATION - GROUND LEVEL 5198			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6114	15.5	J-55 LT&C	8.3	Premium Lite High Strength	284	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5, IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech				PHONE 435 646-4825		
SIGNATURE				DATE				EMAIL mcrozier@newfield.com		
API NUMBER ASSIGNED				APPROVAL						

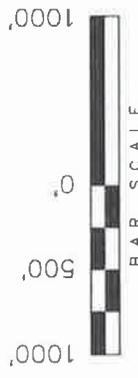
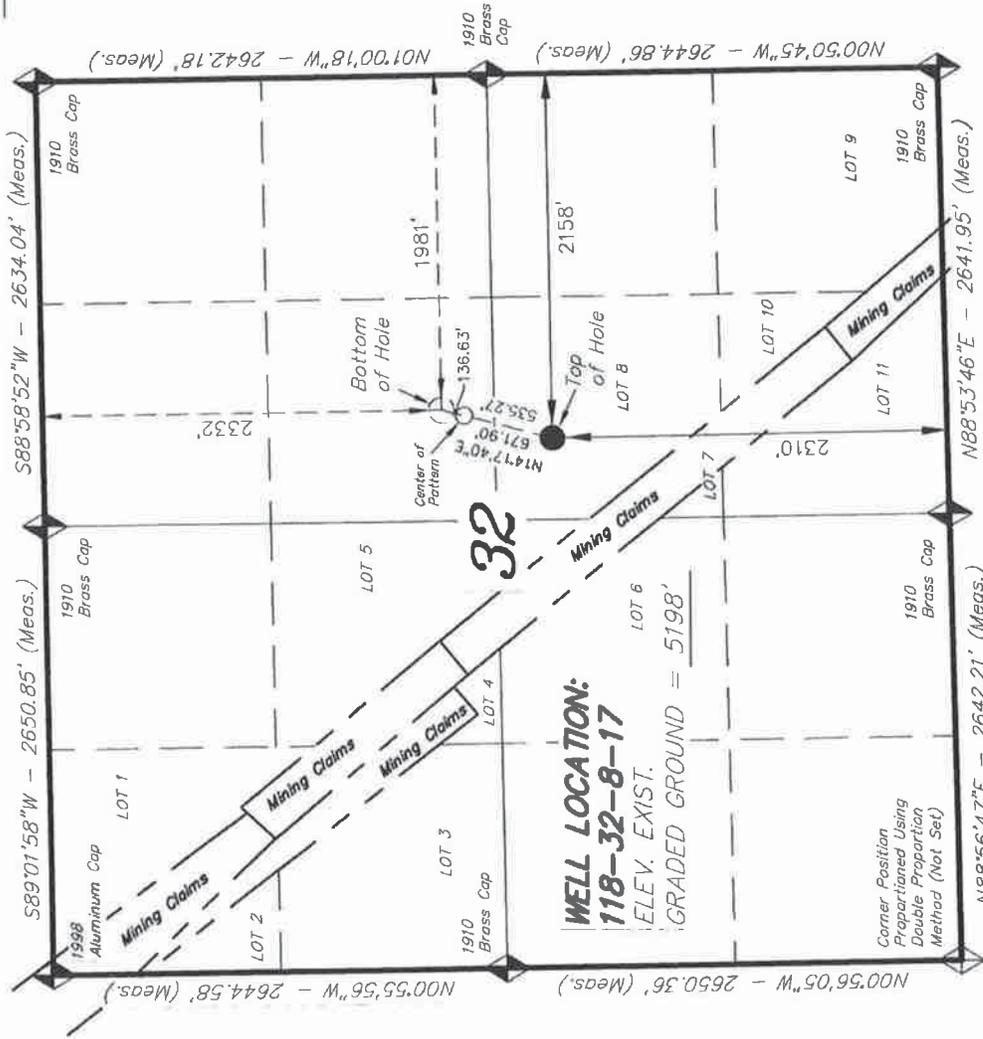
Received: August 23, 2013

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

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 118-32-8-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 (LOT 8) OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 118-32-8-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 32, 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 2464' FNL & 2017' FEL.

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

NO. 6185, 189377
07-03-13
STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION NO.
STATE OF UTAH

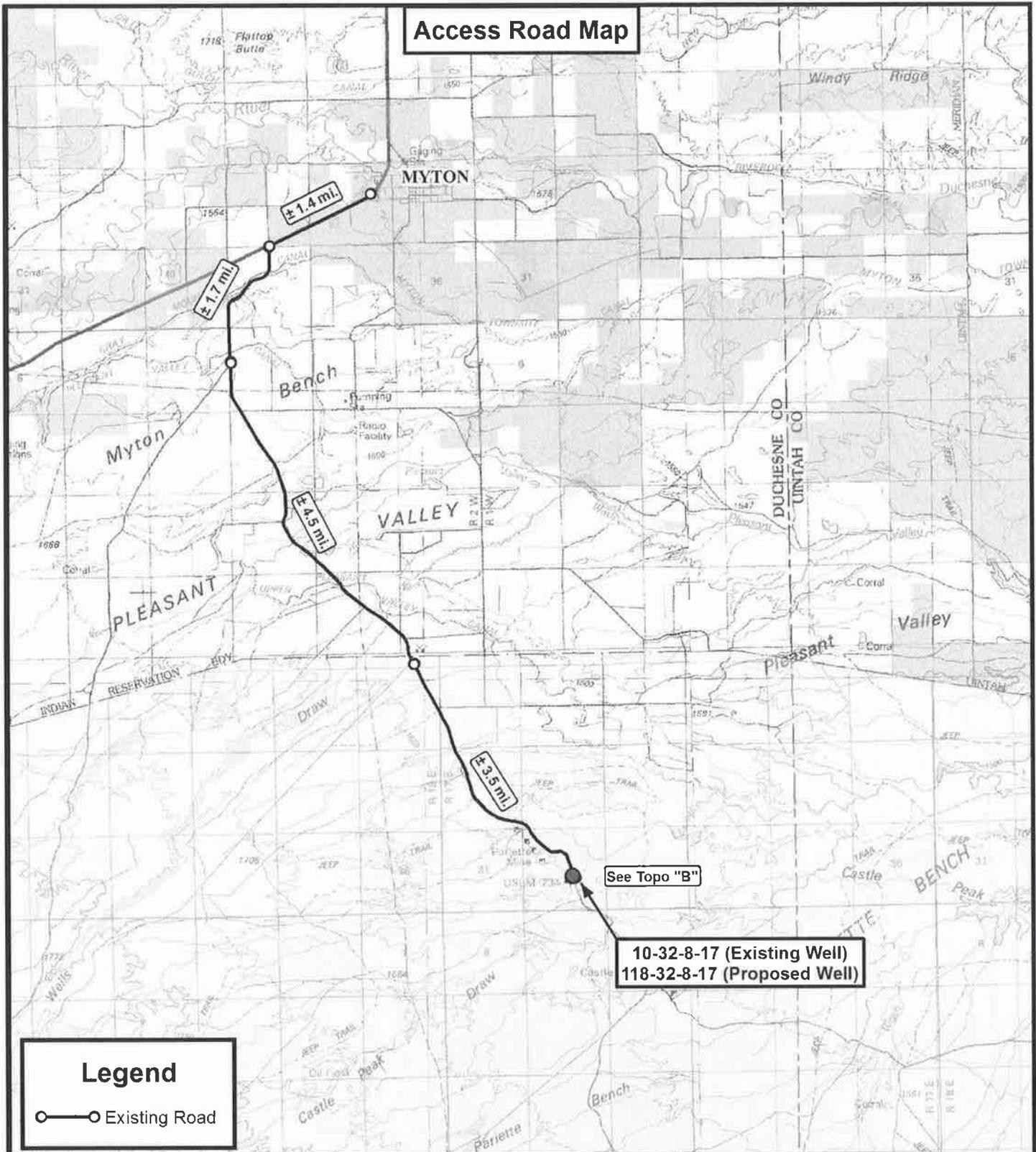
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:	05-06-13	SURVEYED BY:	C.S.	VERSION:
DATE DRAWN:	07-03-13	DRAWN BY:	F.T.M.	V2
REVISED:		SCALE:	1" = 1000'	

NAD 83 (SURFACE LOCATION)	LATITUDE = 40°04'24.58"
	LONGITUDE = 110°01'43.23"
NAD 27 (SURFACE LOCATION)	LATITUDE = 40°04'24.71"
	LONGITUDE = 110°01'40.89"
NAD 83 (CENTER OF PATTERN)	LATITUDE = 40°04'29.68"
	LONGITUDE = 110°01'41.42"
NAD 27 (CENTER OF PATTERN)	LATITUDE = 40°04'29.82"
	LONGITUDE = 110°01'38.88"

◆ = SECTION CORNERS LOCATED

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



Access Road Map

Legend

○—○ Existing Road

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



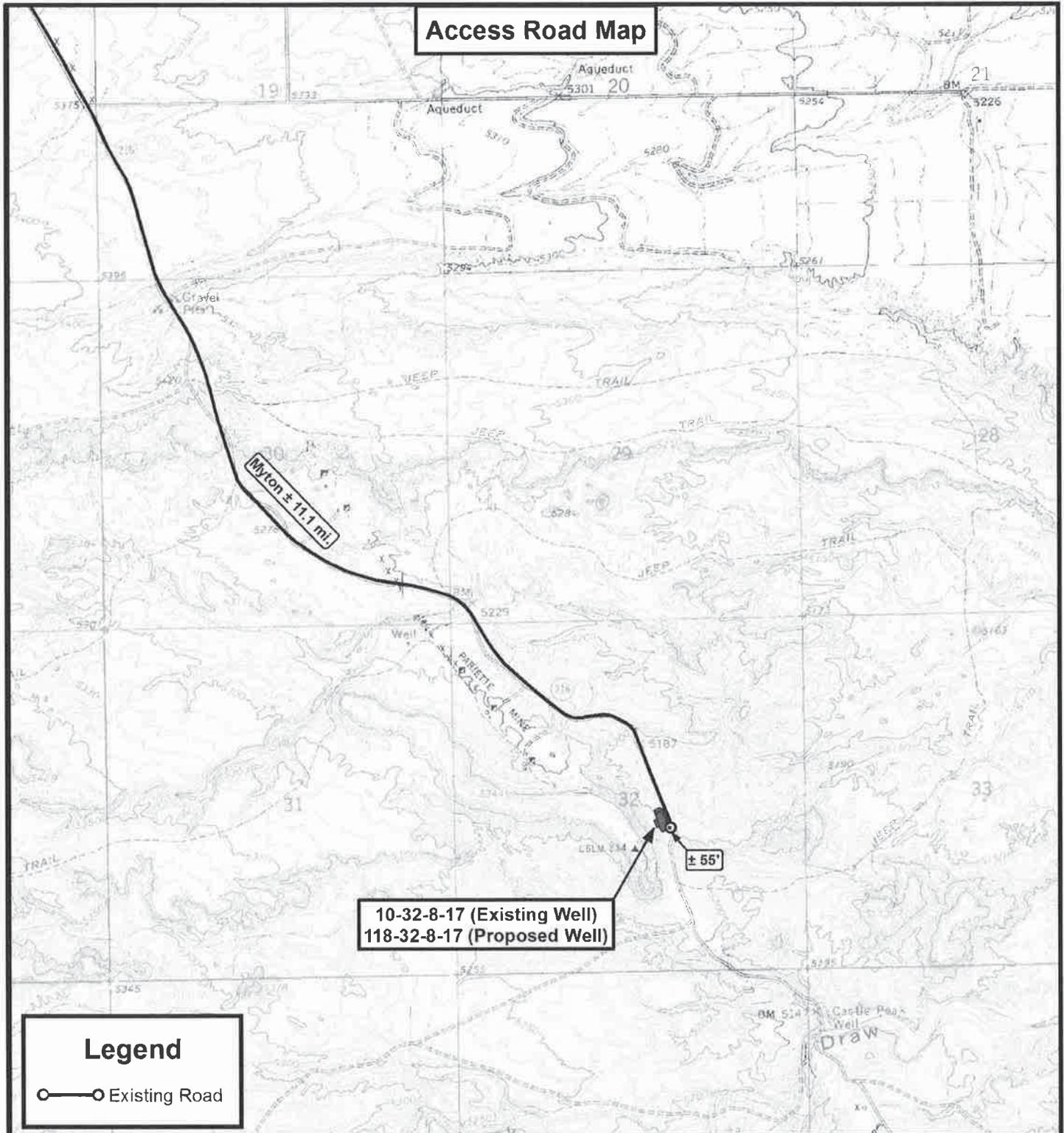
NEWFIELD EXPLORATION COMPANY

10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	07-03-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A



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



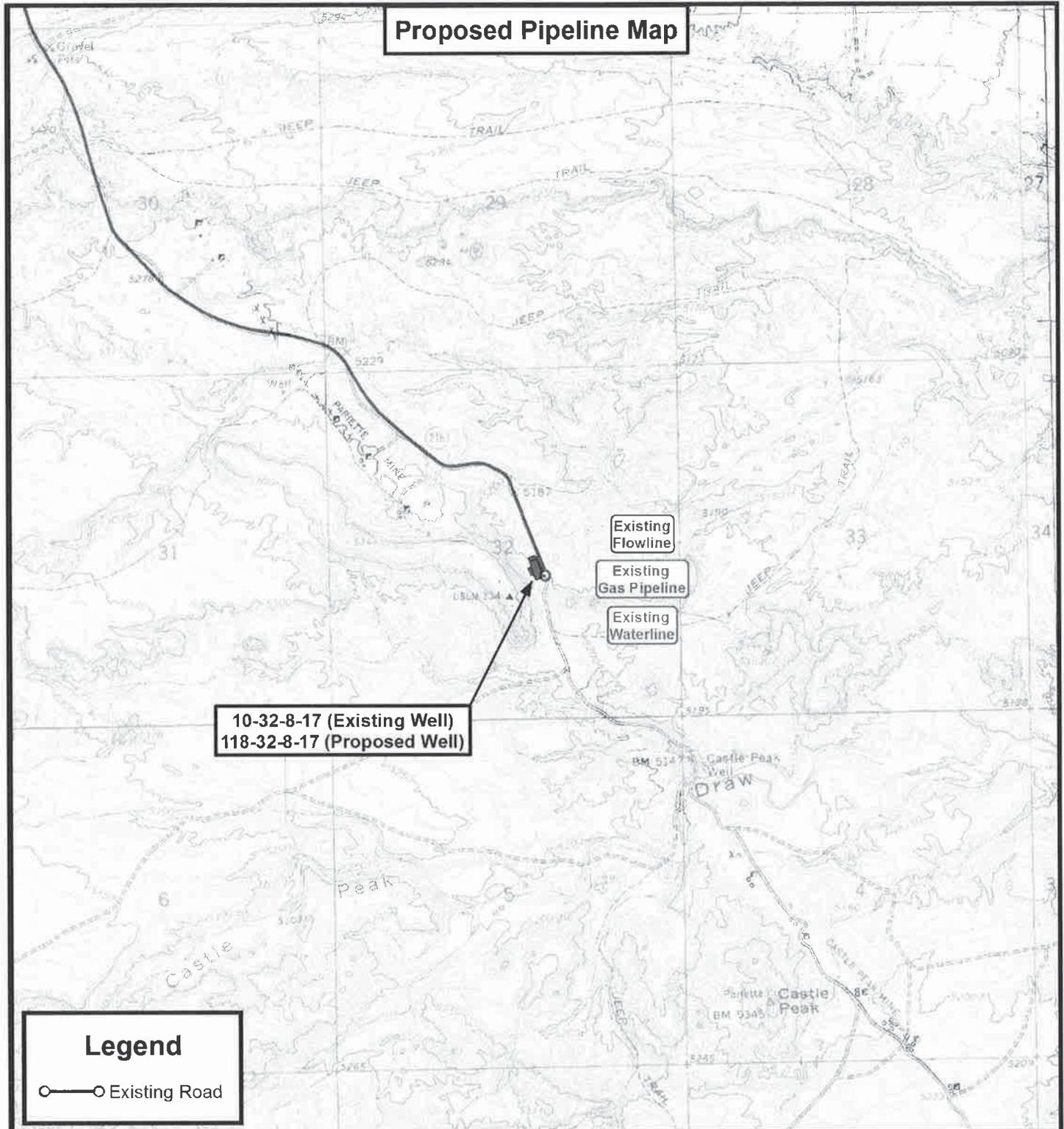
NEWFIELD EXPLORATION COMPANY

10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	RETIRED:	07-03-13 A.P.C.	VERSION:
DATE:	05-16-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B



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

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

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



NEWFIELD EXPLORATION COMPANY
 10-32-8-17 (Existing Well)
 118-32-8-17 (Proposed Well)
 Sec. 32, T8S, R17E, S.L.B.&M.
 Duchesne County, UT.

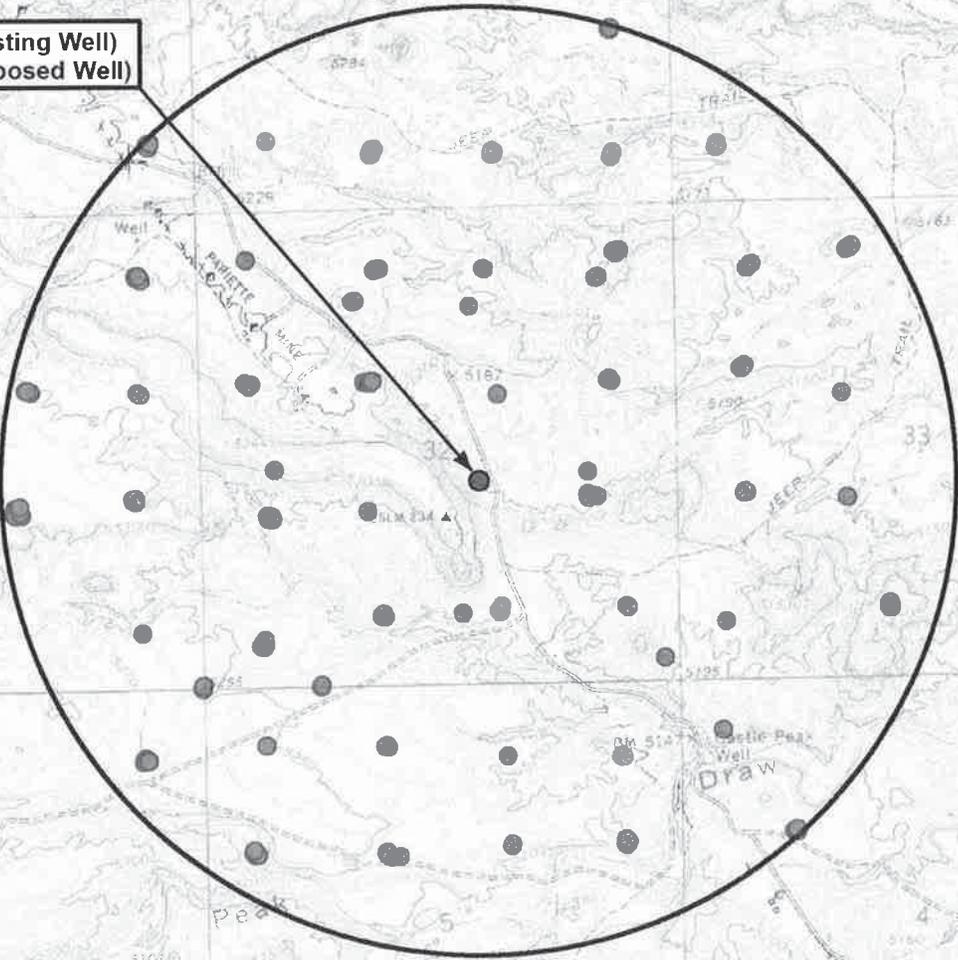
DRAWN BY:	A.P.C.	RETIRED:	07-03-13 A.P.C.	VERSION:
DATE:	05-16-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)



Legend

-  1 Mile Radius
-  Pad Location

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



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DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	07-03-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
10-32-8-17	Surface Hole	40° 04' 24.03" N	110° 01' 43.62" W
M-32-8-17	Surface Hole	40° 04' 24.21" N	110° 01' 43.49" W
S-32-8-17	Surface Hole	40° 04' 24.39" N	110° 01' 43.36" W
118-32-8-17	Surface Hole	40° 04' 24.58" N	110° 01' 43.23" W
118-32-8-17	Center of Pattern	40° 04' 29.68" N	110° 01' 41.42" W
118-32-8-17	Bottom of Hole	40° 04' 30.98" N	110° 01' 40.96" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
10-32-8-17	Surface Hole	40.073342	110.028782
M-32-8-17	Surface Hole	40.073392	110.028746
S-32-8-17	Surface Hole	40.073443	110.028712
118-32-8-17	Surface Hole	40.073494	110.028675
118-32-8-17	Center of Pattern	40.074911	110.028172
118-32-8-17	Bottom of Hole	40.075273	110.028044
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
10-32-8-17	Surface Hole	4436349.442	582814.802
M-32-8-17	Surface Hole	4436354.972	582817.797
S-32-8-17	Surface Hole	4436360.639	582820.672
118-32-8-17	Surface Hole	4436366.322	582823.749
118-32-8-17	Center of Pattern	4436524.105	582864.883
118-32-8-17	Bottom of Hole	4436564.380	582875.382
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
10-32-8-17	Surface Hole	40° 04' 24.17" N	110° 01' 41.08" W
M-32-8-17	Surface Hole	40° 04' 24.35" N	110° 01' 40.95" W
S-32-8-17	Surface Hole	40° 04' 24.53" N	110° 01' 40.82" W
118-32-8-17	Surface Hole	40° 04' 24.71" N	110° 01' 40.69" W
118-32-8-17	Center of Pattern	40° 04' 29.82" N	110° 01' 38.88" W
118-32-8-17	Bottom of Hole	40° 04' 31.12" N	110° 01' 38.42" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
10-32-8-17	Surface Hole	40.073380	110.028077
M-32-8-17	Surface Hole	40.073430	110.028041
S-32-8-17	Surface Hole	40.073480	110.028007
118-32-8-17	Surface Hole	40.073531	110.027970
118-32-8-17	Center of Pattern	40.074949	110.027467
118-32-8-17	Bottom of Hole	40.075310	110.027339



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10-32-8-17 (Existing Well)
118-32-8-17 (Proposed Well)
Sec. 32, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	07-03-2013	
VERSION:	V2	

COORDINATE REPORT

SHEET

1

Well Name	NEWFIELD PRODUCTION COMPANY GMBU 118-32-8-17 430135242			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6072		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2629	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	NO air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO OK
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2652	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1923	YES 2M BOPE, dbl ram, mud cross
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1316	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1382	NO OK
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

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

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

43013524240000 GMBU 118-32-8-17

Casing Schematic

Surface

8-5/8"
MW 8.3
Frac 19.3

TOC @ ¹²⁶ 80. ¹⁸⁷ to *126* w/o *strip*
Surface
300. MD
300. TVD

TOC @ 808.

to 0' @ 7 7/8 w/o tail 4089'
* Proposed 0'

1550' Green River

4378' tail

6090' Wasatch

5-1/2"
MW 8.4

Production
6114. MD
6072. TVD

2310.5L	2158EL
651	166
<u>2961</u>	<u>1992 FEL</u>
5287	
2326 FML ✓	

SW NE sec 32-8S-17E ✓ O.K.

✓ Strip cuts.

Well name:	43013524240000 GMBU 118-32-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-013-52424
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.300 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 264 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP: 300 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on buoyed weight.
 Neutral point: 263 ft

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 78 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 80 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,072 ft
 Next mud weight: 8.400 ppg
 Next setting BHP: 2,649 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 300 ft
 Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	129	1370	10.591	300	2950	9.83	6.3	244	38.71 J

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

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

Date: October 18, 2013
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013524240000 GMBU 118-32-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-52424
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8,400 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,314 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 2,649 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 5,336 ft

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 159 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: 808 ft

Directional well information:

Kick-off point: 600 ft
 Departure at shoe: 672 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 7.32 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6114	5.5	15.50	J-55	LT&C	6072	6114	4.825	21589
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2649	4040	1.525	2649	4810	1.82	94.1	217	2.31 J

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

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

Date: October 18, 2013
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6072 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU 118-32-8-17
API Number 43013524240000 **APD No** 8522 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NWSE **Sec** 32 **Tw** 8.0S **Rng** 17.0E 2310 FSL 2158 FEL
GPS Coord (UTM) 582824 4436366 **Surface Owner**

Participants

Corie Miller - NFX

Regional/Local Setting & Topography

This well is a new hole on an existing pad. The host well is the 10-32-8-17 which has been converted to water injection.

This pad also holds the M-32 and the S-32 wells.

The original onsite evaluation asked for a diversion for flows coming off hillside on the west side. While this diversion is not found at this time....I would agree with the need for it to be either constructed or rebuilt.

The new pad will expand the footprint by a small amount, mostly due to physical restraints eg. Paved roads, steep hillside etc. Jim Davis with SITLA was consulted and is not concerned with the expansion because of the small amount of disturbance (approx 18' x 135'). This location is in the GMBU adjacent the Sand wash road in the area below the hill / bench.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles

0

Well Pad

Width 310 **Length** 170

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

No native vegetation or animal life.

All soils are imported and / or disturbed gravel sized materials

Soil Type and Characteristics

imported disturbed

Erosion Issues Y

Sedimentation Issues Y

Site Stability Issues N

Drainage Diversion Required? Y**Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N****Reserve Pit**

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Oil Base Mud Fluid	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Present	15
	Final Score	85 1 Sensitivity Level

Characteristics / Requirements

Operator has indicated plans for a closed loop system. No reserve pit will be constructed.
Cuttings pit, if used will need to be lined

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

this location is supposed to have a diversion constructed already. Not sure if it was destroyed during drilling of the other directional wells.

Corie and I agree this diversion and a berm need to be reconstructed.

Chris Jensen
Evaluator

8/27/2013
Date / Time

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8522	43013524240000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU 118-32-8-17	Unit		GMBU (GRRV)	
Field	MONUMENT BUTTE	Type of Work		DRILL	
Location	NWSE 32 8S 17E S 2310 FSL (UTM) 582829E 4436364N	2158 FEL	GPS Coord		

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32. No depth is listed for this well. The well is owned by the BLM and its listed use is for stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

10/7/2013
Date / Time

Surface Statement of Basis

Location is proposed in a good location on a previously constructed pad. This will be the fourth well on this location. Access road enters the pad from the Northeast. The landowner (SITLA) representative was invited to attend the pre-site inspection. Jim chose to comment over the phone and instructed me to use my judgement.

The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. A diversion and a berm will need to be constructed

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.

I quickly recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A deep drainage with culvert can be found adjacent the site to the North. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around any pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in any pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. A diversion is to be built sufficient to conduct overland or channel flow from west of the pad between corners 4 and 9, around the corner North and past marker 10 and 11 to reintroduce flows back into the natural channel offsite. Care to be taken that diversion of water does not impact or erode topsoil pile near corner 9 or topsoils will need

to be stored elsewhere onsite.

Chris Jensen
Onsite Evaluator

8/27/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/23/2013

API NO. ASSIGNED: 43013524240000

WELL NAME: GMBU 118-32-8-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NWSE 32 080S 170E

Permit Tech Review:

SURFACE: 2310 FSL 2158 FEL

Engineering Review:

BOTTOM: 2332 FNL 1981 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.07347

LONGITUDE: -110.02862

UTM SURF EASTINGS: 582829.00

NORTHINGS: 4436364.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22060

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
15 - Directional - dmason
25 - Surface Casing - ddoucet
27 - Other - bhill



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU 118-32-8-17
API Well Number: 43013524240000
Lease Number: ML-22060
Surface Owner: STATE
Approval Date: 11/4/2013

Issued to:

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

Authority:

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

Duration:

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

General:

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

Conditions of Approval:

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

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

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

Surface casing shall be cemented to the surface.

Additional Approvals:

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

well:

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

Approved by:

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

For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU 118-32-8-17
Qtr/Qtr NW/SE Section 32 Township 8S Range 17E
Lease Serial Number ML-22060
API Number 43-013-52424

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

Date/Time 1/6/14 8:00 AM PM

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

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

Date/Time 1/6/14 3:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____
