API Well Number: 43013527520000

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 117-36-8-16	
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**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-22061	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ◉ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ◉ FEE ○	
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 ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1963 FNL 654 FEL	SENE	36	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	2458 FNL 658 FEL	SENE	36	8.0 S	16.0 E	S
At Total Depth	2442 FSL 678 FEL	NESE	36	8.0 S	16.0 E	S

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 678	**23. NUMBER OF ACRES IN DRILLING UNIT** 10
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 467	**26. PROPOSED DEPTH** MD: 6242 TVD: 6169
27. ELEVATION - GROUND LEVEL 5364	**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 - 600	24.0	J-55 ST&C	8.3	Class G	275	1.17	15.8
PROD	7.875	5.5	0 - 6242	15.5	J-55 LT&C	8.3	Premium Lite High Strength	293	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

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	**TITLE** Regulatory Tech	**PHONE** 435 646-4825
SIGNATURE	**DATE** 12/20/2013	**EMAIL** mcrozier@newfield.com
API NUMBER ASSIGNED 43013527520000	**APPROVAL**	Permit Manager

RECEIVED: March 04, 2014

NEWFIELD PRODUCTION COMPANY
GMBU 117-36-8-16
AT SURFACE: SE/NE SECTION 36, T8S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' –	1,645'
Green River		1,645'
Wasatch		6,405'
Proposed TD	6,242'(MD)	6,169' (TVD)

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

Green River Formation (Oil) 1,645' – 6,405'

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)

RECEIVED: February 04, 2014

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU 117-36-8-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	600'	24.0	J-55	STC	2,950 8.76	1,370 7.18	244,000 16.94
Prod casing 5-1/2"	0'	6,242'	15.5	J-55	LTC	4,810 2.42	4,040 2.03	217,000 2.24

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 117-36-8-16

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	600'	Class G w/ 2% CaCl	275 322	30%	15.8	1.17
Prod casing Lead	4,242'	Prem Lite II w/ 10% gel + 3% KCl	293 956	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:

RECEIVED: February 04, 2014

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 ±600 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" 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 ±600 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 @ 600' +/-, 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

RECEIVED: February 04, 2014

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.

RECEIVED: February 04, 2014

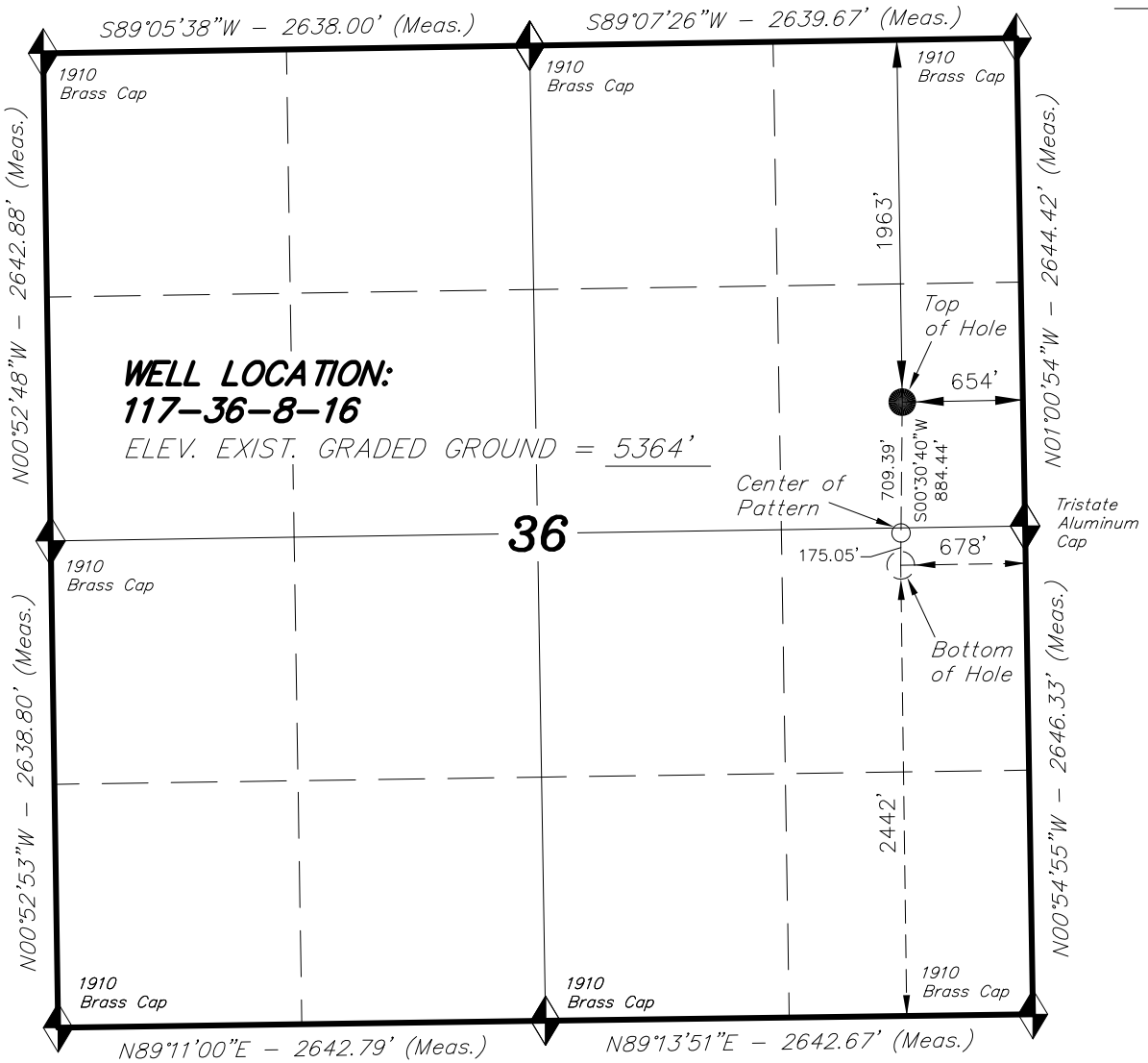
API Well Number: 43013527520000

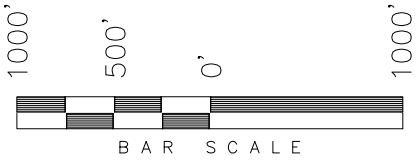
T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 117-36-8-16,
LOCATED AS SHOWN IN THE SE 1/4
NE 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 117-36-8-16,
LOCATED AS SHOWN IN THE NE 1/4
SE 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.





NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 2617' FSL & 673' 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.

REGISTERED LAND SURVEYOR No.189377 10-31-13 STACY W. STEWART STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
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'

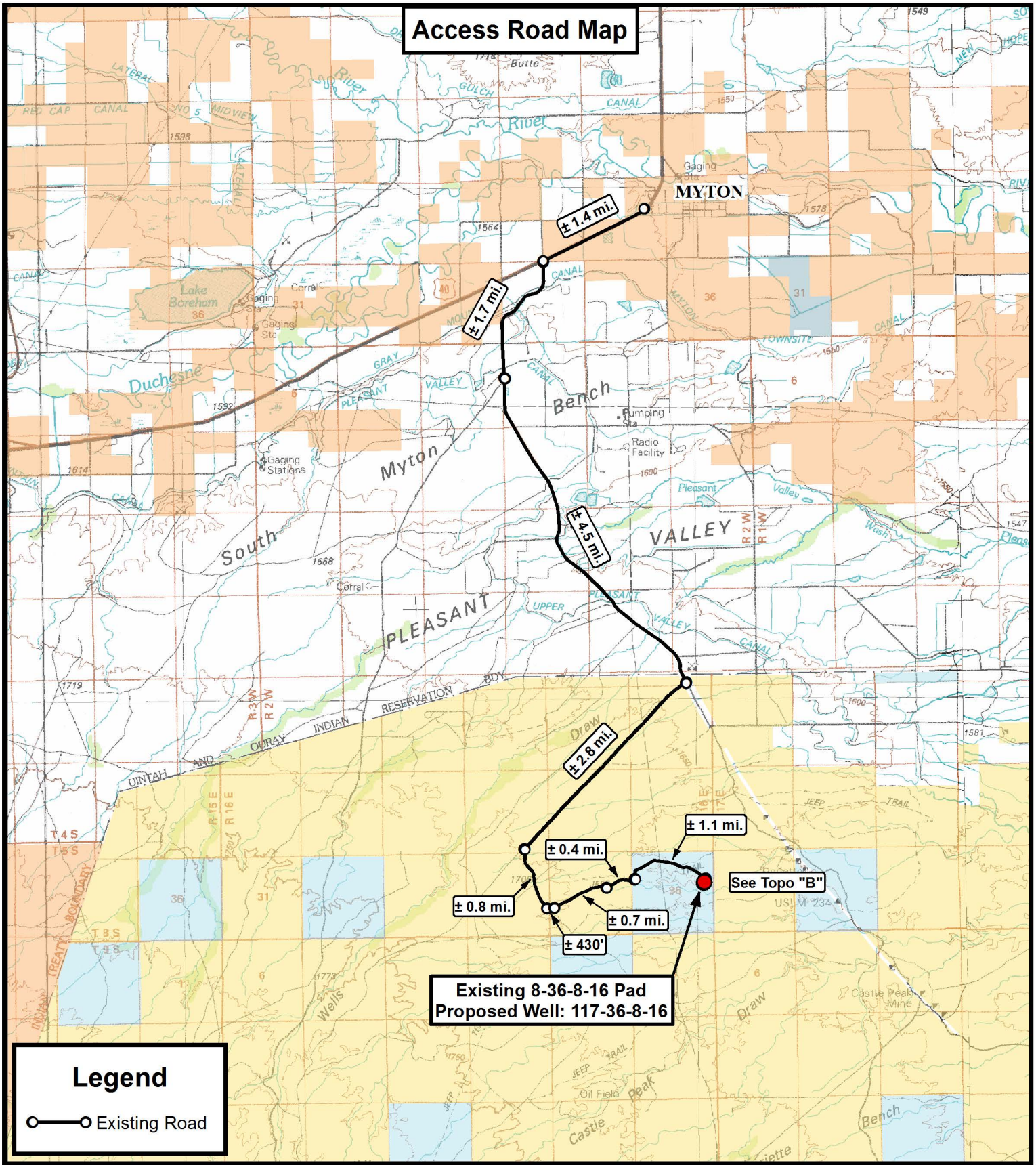
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°04'34.46"	LONGITUDE = 110°03'38.46"
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°04'34.60"	LONGITUDE = 110°03'35.92"
NAD 83 (CENTER OF PATTERN)	**NAD 83 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°04'27.46"	LONGITUDE = 110°03'38.69"
LATITUDE = 40°04'25.73"	LONGITUDE = 110°03'38.74"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°04'27.59"	LONGITUDE = 110°03'36.15"
LATITUDE = 40°04'25.86"	LONGITUDE = 110°03'36.20"

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

DATE SURVEYED: 08-23-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 10-31-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

RECEIVED: December 20, 2013

API Well Number: 43013527520000



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

N

NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

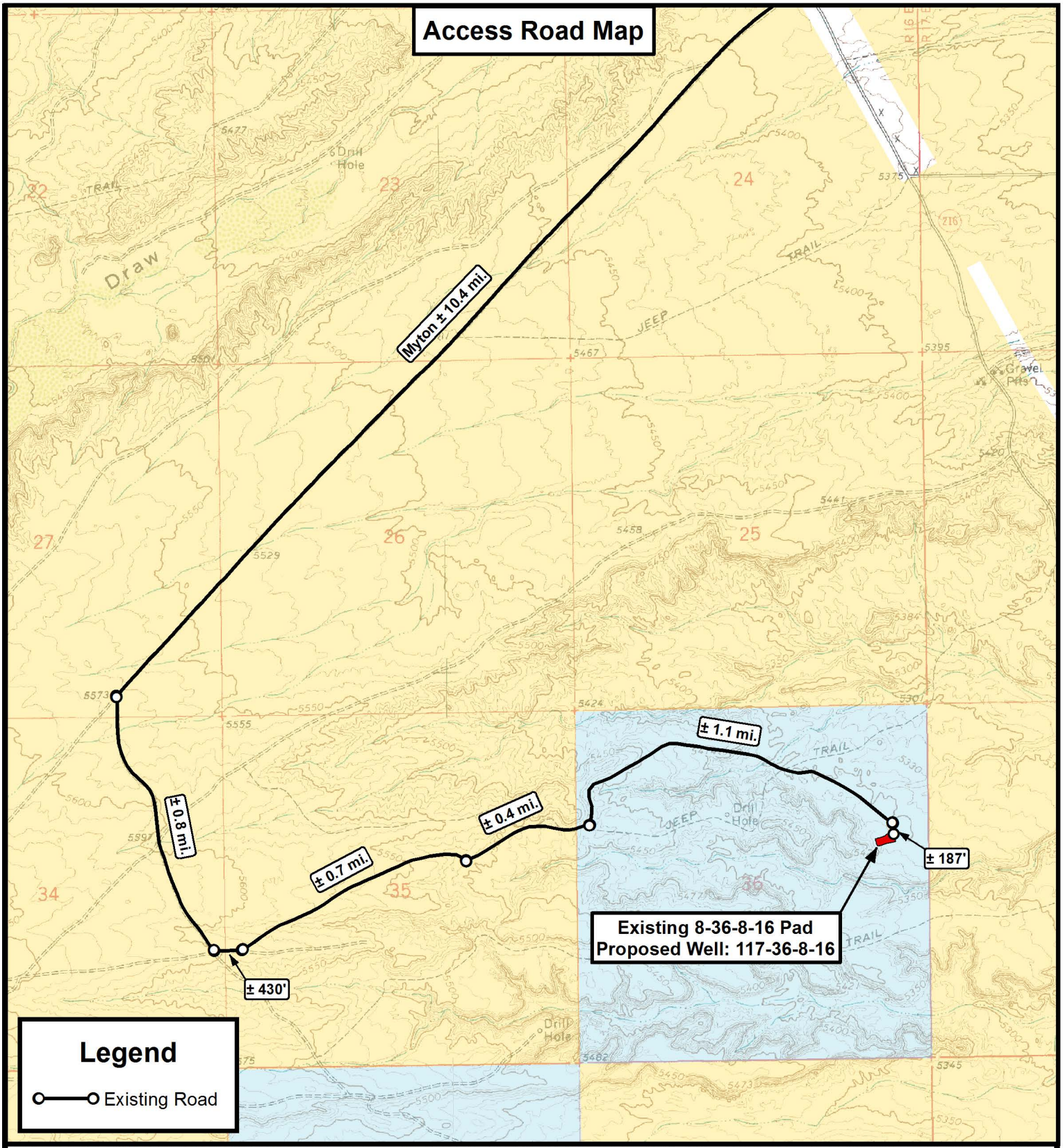
DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	10-31-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013527520000

Access Road Map



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

N

NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

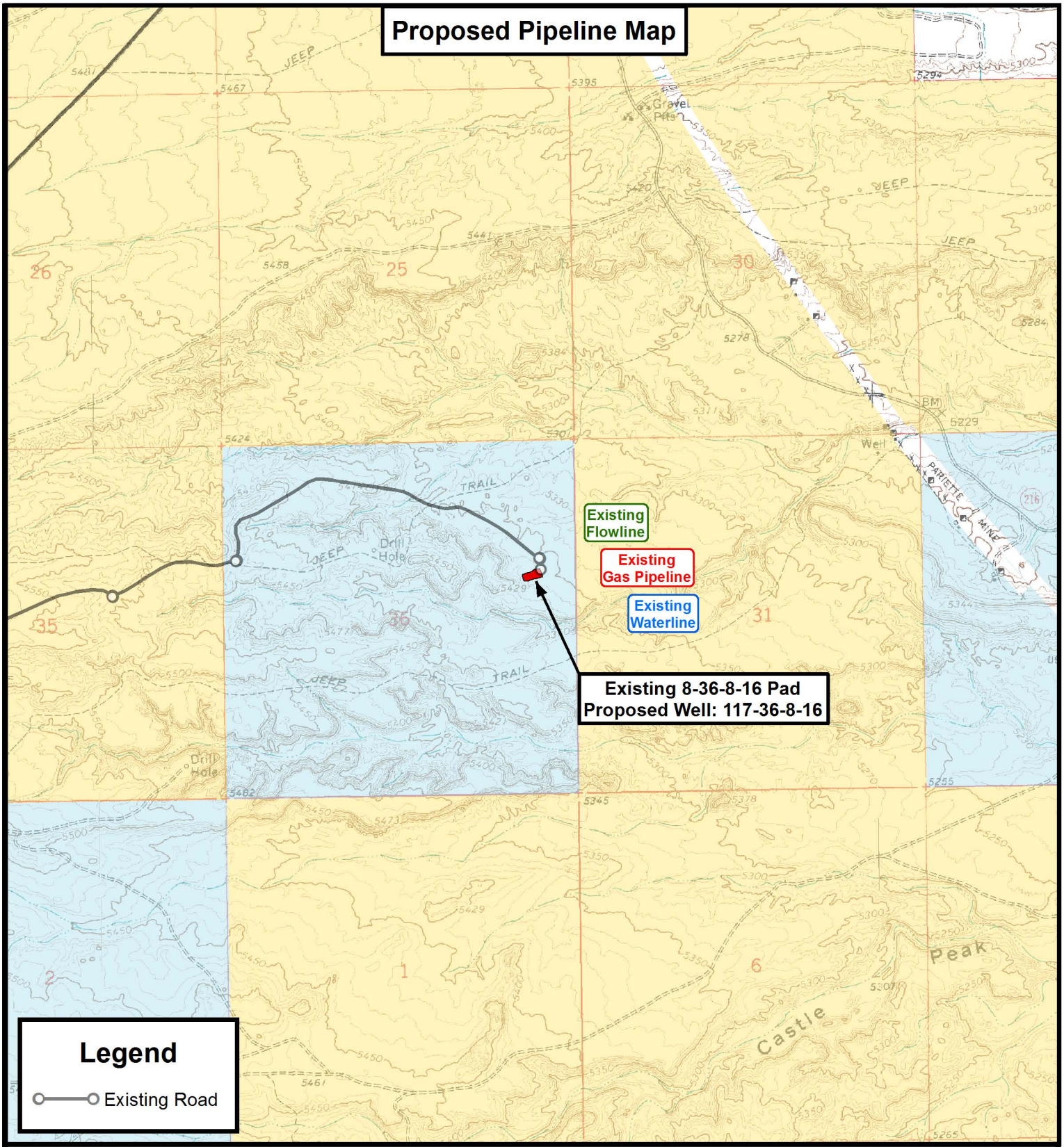
DRAWN BY:	A.P.C.	REVISED:	10-31-13 D.C.R.	VERSION:
DATE:	08-27-2013			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013527520000

Proposed Pipeline Map



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NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

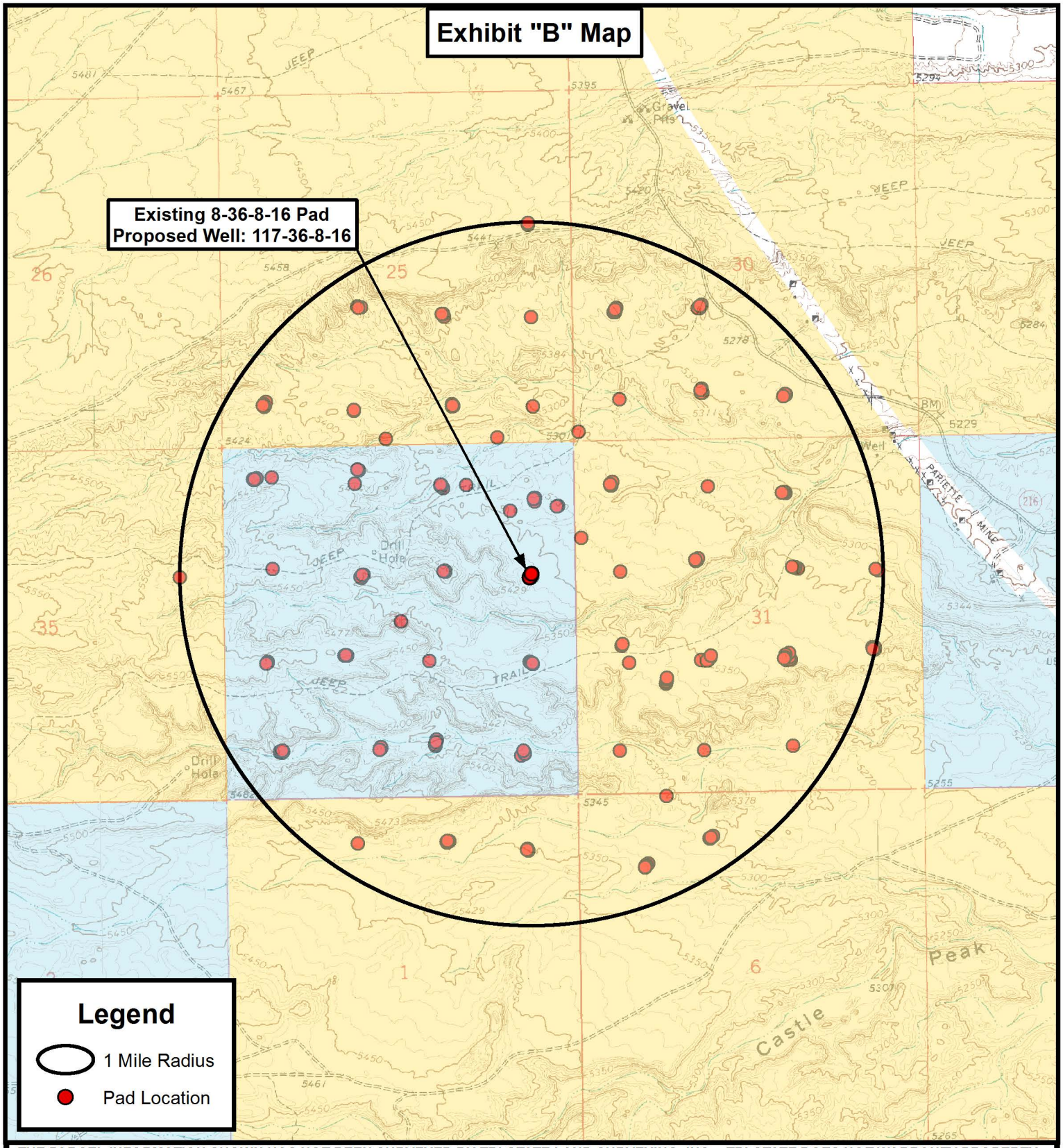
DRAWN BY:	A.P.C.	REVISED: 10-31-13 D.C.R.	VERSION:
DATE:	08-27-2013		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013527520000

Exhibit "B" Map



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NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	10-31-2013		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013527520000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
8-36-8-16	Surface Hole	40° 04' 34.28" N	110° 03' 38.59" W
I-36-8-16	Surface Hole	40° 04' 34.09" N	110° 03' 38.69" W
L-36-8-16	Surface Hole	40° 04' 33.92" N	110° 03' 38.83" W
117-36-8-16	Surface Hole	40° 04' 34.46" N	110° 03' 38.46" W
117-36-8-16	Center of Pattern	40° 04' 27.46" N	110° 03' 38.69" W
117-36-8-16	Bottom of Hole	40° 04' 25.73" N	110° 03' 38.74" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
8-36-8-16	Surface Hole	40.076188	110.060718
I-36-8-16	Surface Hole	40.076135	110.060746
L-36-8-16	Surface Hole	40.076090	110.060785
117-36-8-16	Surface Hole	40.076240	110.060683
117-36-8-16	Center of Pattern	40.074294	110.060746
117-36-8-16	Bottom of Hole	40.073813	110.060762

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
8-36-8-16	Surface Hole	4436636.076	580088.239
I-36-8-16	Surface Hole	4436630.167	580085.934
L-36-8-16	Surface Hole	4436625.095	580082.656
117-36-8-16	Surface Hole	4436641.825	580091.189
117-36-8-16	Center of Pattern	4436425.751	580088.065
117-36-8-16	Bottom of Hole	4436372.432	580087.294

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
8-36-8-16	Surface Hole	40° 04' 34.41" N	110° 03' 36.05" W
I-36-8-16	Surface Hole	40° 04' 34.22" N	110° 03' 36.15" W
L-36-8-16	Surface Hole	40° 04' 34.06" N	110° 03' 36.29" W
117-36-8-16	Surface Hole	40° 04' 34.60" N	110° 03' 35.92" W
117-36-8-16	Center of Pattern	40° 04' 27.59" N	110° 03' 36.15" W
117-36-8-16	Bottom of Hole	40° 04' 25.86" N	110° 03' 36.20" W

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
8-36-8-16	Surface Hole	40.076226	110.060013
I-36-8-16	Surface Hole	40.076173	110.060040
L-36-8-16	Surface Hole	40.076128	110.060079
117-36-8-16	Surface Hole	40.076278	110.059977
117-36-8-16	Center of Pattern	40.074331	110.060041
117-36-8-16	Bottom of Hole	40.073851	110.060056

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NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	
DATE:	10-31-2013		
VERSION:	V2		

COORDINATE REPORT

SHEET 1

RECEIVED: December 20, 2013

API Well Number: 43013527520000

Coordinate Report

Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
8-36-8-16	Surface Hole	4436430.752	580150.482
I-36-8-16	Surface Hole	4436424.843	580148.178
L-36-8-16	Surface Hole	4436419.770	580144.899
117-36-8-16	Surface Hole	4436436.501	580153.432
117-36-8-16	Center of Pattern	4436220.426	580150.310
117-36-8-16	Bottom of Hole	4436167.108	580149.539

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NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	
DATE:	10-31-2013		
VERSION:	V2		

COORDINATE REPORT

SHEET 2

RECEIVED: December 20, 2013

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 36 T8S, R17E
117-36-8-16

Wellbore #1

Plan: Design #1

Standard Planning Report

26 August, 2013

RECEIVED: December 20, 2013

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 117-36-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R17E	**North Reference:**	True
Well:	117-36-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 36 T8S, R17E

Site Position:		**Northing:**	7,200,290.92 ft	**Latitude:**	40° 4' 35.190 N
From:	Lat/Long	**Easting:**	2,072,102.31 ft	**Longitude:**	109° 57' 26.000 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.99 °

Well 117-36-8-16, SHL LAT: 40 04 34.46 LONG: -110 03 38.46

Well Position	**+N/-S**	-90.6 ft	**Northing:**	7,199,734.46 ft	**Latitude:**	40° 4' 34.460 N
	+E/-W	-28,951.0 ft	**Easting:**	2,043,156.57 ft	**Longitude:**	110° 3' 38.460 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,374.0 ft	**Ground Level:**	5,364.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/26/2013	11.04	65.77	52,072

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	180.51

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	
1,237.6	9.56	180.51	1,234.6	-53.1	-0.5	1.50	1.50	0.00	180.51	
5,187.9	9.56	180.51	5,130.0	-709.4	-6.3	0.00	0.00	0.00	0.00	117-36-8-16 TGT
6,241.5	9.56	180.51	6,169.0	-884.4	-7.9	0.00	0.00	0.00	0.00	

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 117-36-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R17E	**North Reference:**	True
Well:	117-36-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	180.51	700.0	-1.3	0.0	1.3	1.50	1.50	0.00
800.0	3.00	180.51	799.9	-5.2	0.0	5.2	1.50	1.50	0.00
900.0	4.50	180.51	899.7	-11.8	-0.1	11.8	1.50	1.50	0.00
1,000.0	6.00	180.51	999.3	-20.9	-0.2	20.9	1.50	1.50	0.00
1,100.0	7.50	180.51	1,098.6	-32.7	-0.3	32.7	1.50	1.50	0.00
1,200.0	9.00	180.51	1,197.5	-47.0	-0.4	47.0	1.50	1.50	0.00
1,237.6	9.56	180.51	1,234.6	-53.1	-0.5	53.1	1.50	1.50	0.00
1,300.0	9.56	180.51	1,296.2	-63.5	-0.6	63.5	0.00	0.00	0.00
1,400.0	9.56	180.51	1,394.8	-80.1	-0.7	80.1	0.00	0.00	0.00
1,500.0	9.56	180.51	1,493.4	-96.7	-0.9	96.7	0.00	0.00	0.00
1,600.0	9.56	180.51	1,592.0	-113.3	-1.0	113.3	0.00	0.00	0.00
1,700.0	9.56	180.51	1,690.6	-129.9	-1.2	129.9	0.00	0.00	0.00
1,800.0	9.56	180.51	1,789.2	-146.5	-1.3	146.5	0.00	0.00	0.00
1,900.0	9.56	180.51	1,887.8	-163.1	-1.5	163.1	0.00	0.00	0.00
2,000.0	9.56	180.51	1,986.4	-179.8	-1.6	179.8	0.00	0.00	0.00
2,100.0	9.56	180.51	2,085.1	-196.4	-1.7	196.4	0.00	0.00	0.00
2,200.0	9.56	180.51	2,183.7	-213.0	-1.9	213.0	0.00	0.00	0.00
2,300.0	9.56	180.51	2,282.3	-229.6	-2.0	229.6	0.00	0.00	0.00
2,400.0	9.56	180.51	2,380.9	-246.2	-2.2	246.2	0.00	0.00	0.00
2,500.0	9.56	180.51	2,479.5	-262.8	-2.3	262.8	0.00	0.00	0.00
2,600.0	9.56	180.51	2,578.1	-279.4	-2.5	279.4	0.00	0.00	0.00
2,700.0	9.56	180.51	2,676.7	-296.0	-2.6	296.1	0.00	0.00	0.00
2,800.0	9.56	180.51	2,775.3	-312.7	-2.8	312.7	0.00	0.00	0.00
2,900.0	9.56	180.51	2,873.9	-329.3	-2.9	329.3	0.00	0.00	0.00
3,000.0	9.56	180.51	2,972.5	-345.9	-3.1	345.9	0.00	0.00	0.00
3,100.0	9.56	180.51	3,071.2	-362.5	-3.2	362.5	0.00	0.00	0.00
3,200.0	9.56	180.51	3,169.8	-379.1	-3.4	379.1	0.00	0.00	0.00
3,300.0	9.56	180.51	3,268.4	-395.7	-3.5	395.7	0.00	0.00	0.00
3,400.0	9.56	180.51	3,367.0	-412.3	-3.7	412.4	0.00	0.00	0.00
3,500.0	9.56	180.51	3,465.6	-429.0	-3.8	429.0	0.00	0.00	0.00
3,600.0	9.56	180.51	3,564.2	-445.6	-4.0	445.6	0.00	0.00	0.00
3,700.0	9.56	180.51	3,662.8	-462.2	-4.1	462.2	0.00	0.00	0.00
3,800.0	9.56	180.51	3,761.4	-478.8	-4.3	478.8	0.00	0.00	0.00
3,900.0	9.56	180.51	3,860.0	-495.4	-4.4	495.4	0.00	0.00	0.00
4,000.0	9.56	180.51	3,958.7	-512.0	-4.6	512.0	0.00	0.00	0.00
4,100.0	9.56	180.51	4,057.3	-528.6	-4.7	528.7	0.00	0.00	0.00
4,200.0	9.56	180.51	4,155.9	-545.2	-4.9	545.3	0.00	0.00	0.00
4,300.0	9.56	180.51	4,254.5	-561.9	-5.0	561.9	0.00	0.00	0.00
4,400.0	9.56	180.51	4,353.1	-578.5	-5.1	578.5	0.00	0.00	0.00
4,500.0	9.56	180.51	4,451.7	-595.1	-5.3	595.1	0.00	0.00	0.00
4,600.0	9.56	180.51	4,550.3	-611.7	-5.4	611.7	0.00	0.00	0.00
4,700.0	9.56	180.51	4,648.9	-628.3	-5.6	628.3	0.00	0.00	0.00
4,800.0	9.56	180.51	4,747.5	-644.9	-5.7	645.0	0.00	0.00	0.00
4,900.0	9.56	180.51	4,846.1	-661.5	-5.9	661.6	0.00	0.00	0.00
5,000.0	9.56	180.51	4,944.8	-678.2	-6.0	678.2	0.00	0.00	0.00
5,100.0	9.56	180.51	5,043.4	-694.8	-6.2	694.8	0.00	0.00	0.00
5,187.9	9.56	180.51	5,130.0	-709.4	-6.3	709.4	0.00	0.00	0.00

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NEWFIELD

Payzone Directional

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 117-36-8-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	117-36-8-16 @ 5374.0ft (Original Well Elev)
Site:	SECTION 36 T8S, R17E	**North Reference:**	True
Well:	117-36-8-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	9.56	180.51	5,142.0	-711.4	-6.3	711.4	0.00	0.00	0.00
5,300.0	9.56	180.51	5,240.6	-728.0	-6.5	728.0	0.00	0.00	0.00
5,400.0	9.56	180.51	5,339.2	-744.6	-6.6	744.6	0.00	0.00	0.00
5,500.0	9.56	180.51	5,437.8	-761.2	-6.8	761.2	0.00	0.00	0.00
5,600.0	9.56	180.51	5,536.4	-777.8	-6.9	777.9	0.00	0.00	0.00
5,700.0	9.56	180.51	5,635.0	-794.4	-7.1	794.5	0.00	0.00	0.00
5,800.0	9.56	180.51	5,733.6	-811.1	-7.2	811.1	0.00	0.00	0.00
5,900.0	9.56	180.51	5,832.2	-827.7	-7.4	827.7	0.00	0.00	0.00
6,000.0	9.56	180.51	5,930.9	-844.3	-7.5	844.3	0.00	0.00	0.00
6,100.0	9.56	180.51	6,029.5	-860.9	-7.7	860.9	0.00	0.00	0.00
6,200.0	9.56	180.51	6,128.1	-877.5	-7.8	877.5	0.00	0.00	0.00
6,241.5	9.56	180.51	6,169.0	-884.4	-7.9	884.4	0.00	0.00	0.00

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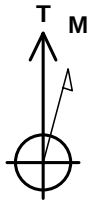
API Well Number: 43013527520000

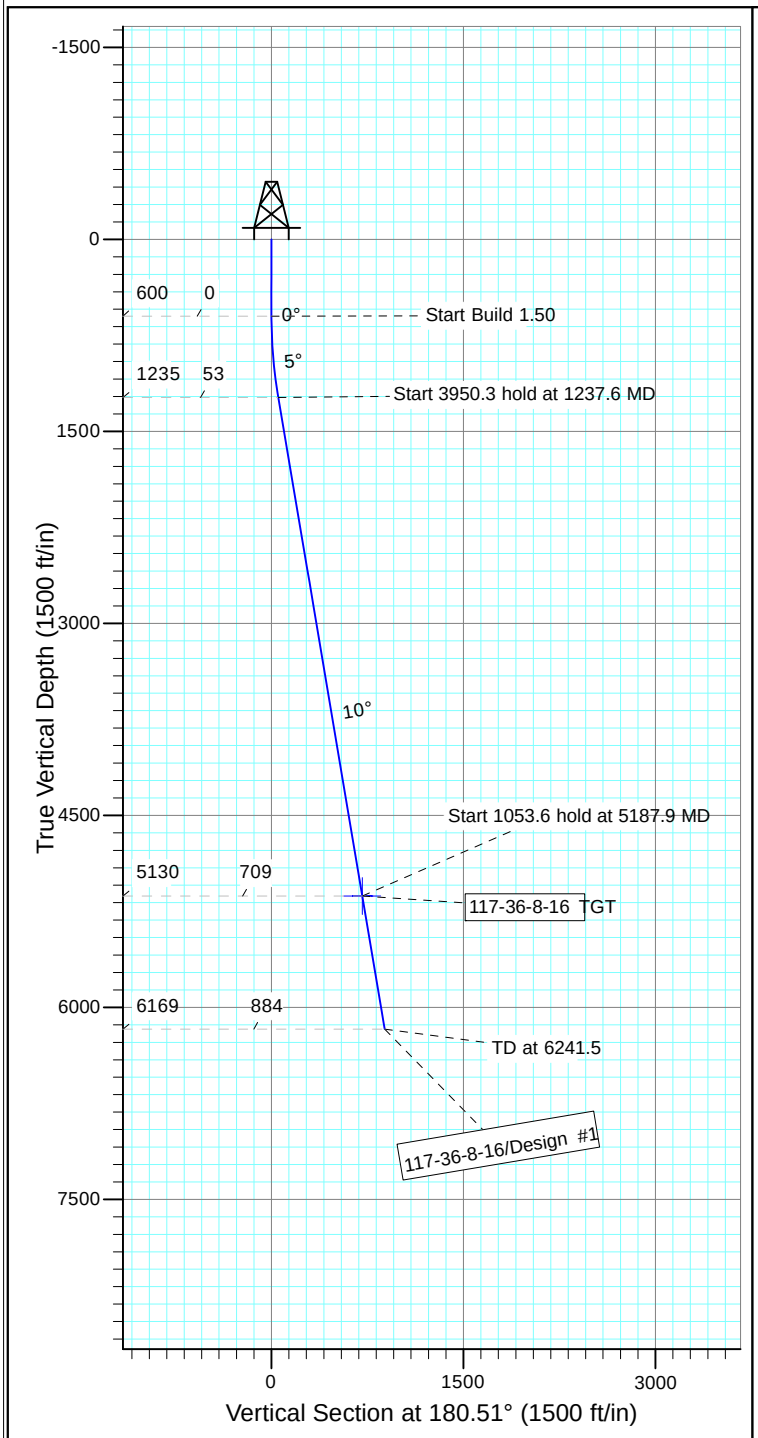
NEWFIELD

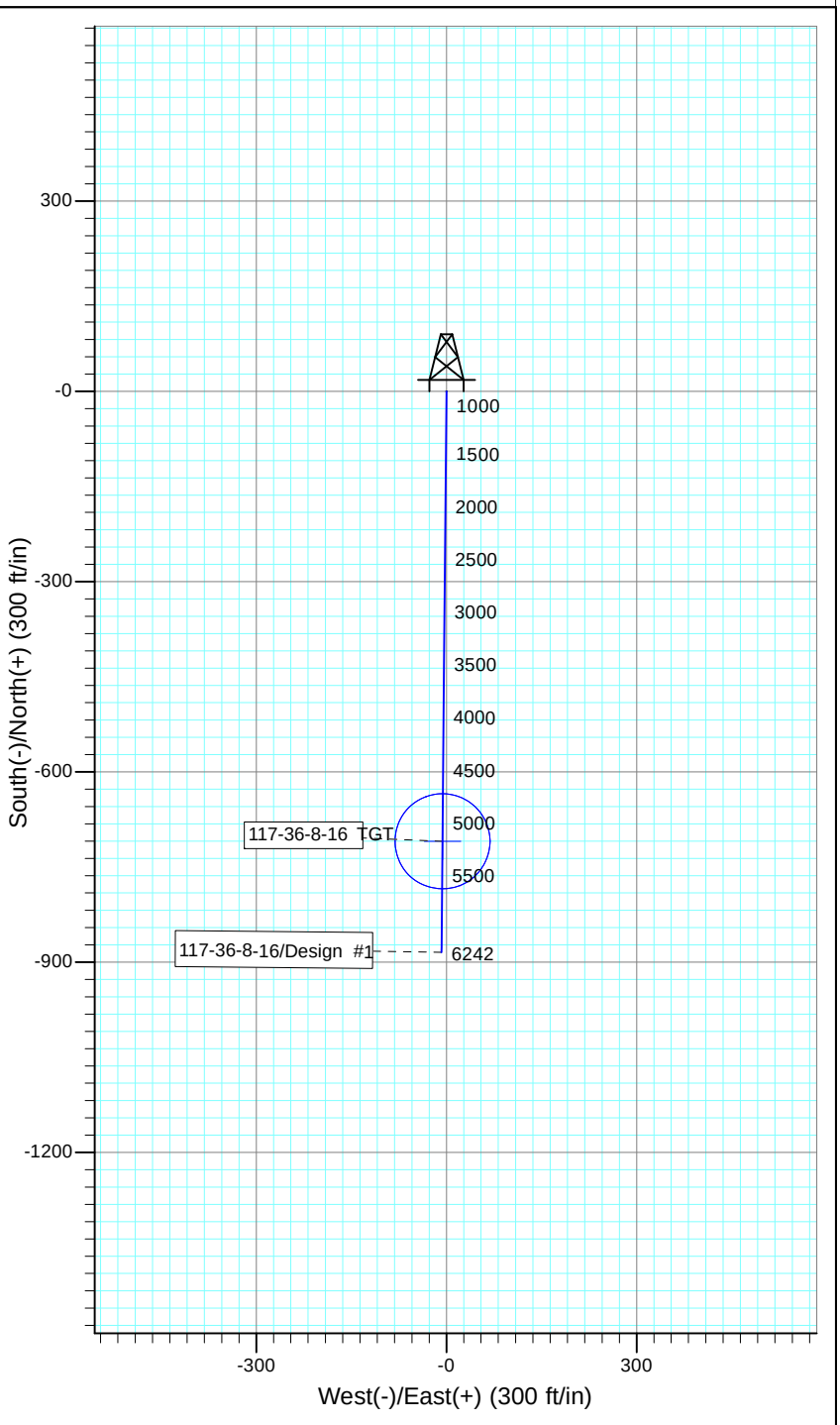
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: 117-36-8-16
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.04°

Magnetic Field
Strength: 52071.7snT
Dip Angle: 65.77°
Date: 8/26/2013
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
117-36-8-16 TGT	5130.0	-709.4	-6.3	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	1237.6	9.56	180.51	1234.6	-53.1	-0.5	1.50	180.51	53.1	
4	5187.9	9.56	180.51	5130.0	-709.4	-6.3	0.00	0.00	709.4	117-36-8-16 TGT
5	6241.5	9.56	180.51	6169.0	-884.4	-7.9	0.00	0.00	884.4	

PAYZONE

NEWFIELD PRODUCTION COMPANY
GMBU 117-36-8-16
AT SURFACE: SE/NE SECTION 36, T8S R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 117-36-8-16 located in the SE 1/4 NE 1/4 Section 36, T8S, 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 – 6.2 miles ± to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.8 miles ± to it's junction with an existing road to the southeast; proceed in a southeasterly direction – 0.8 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 2.3 miles ± to it's junction with the beginning of the access road to the existing 8-36-8-16 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 8-36-8-16 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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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

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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*** – State Of Utah.

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-275, 10/14/13, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade Miller, 9/25/13. See attached report cover pages, Exhibit “D”.

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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 117-36-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 117-36-8-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE 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 #117-36-8-16, Section 36, Township 8S, Range 16E: Lease ML-22061 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, State Bond #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.

12/19/13
Date

Mandie Crozier

Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou=Regulatory Analyst, email=mcrozier@newfield.com, c=US
Date: 2013.12.19 12:06:41 -07'00'

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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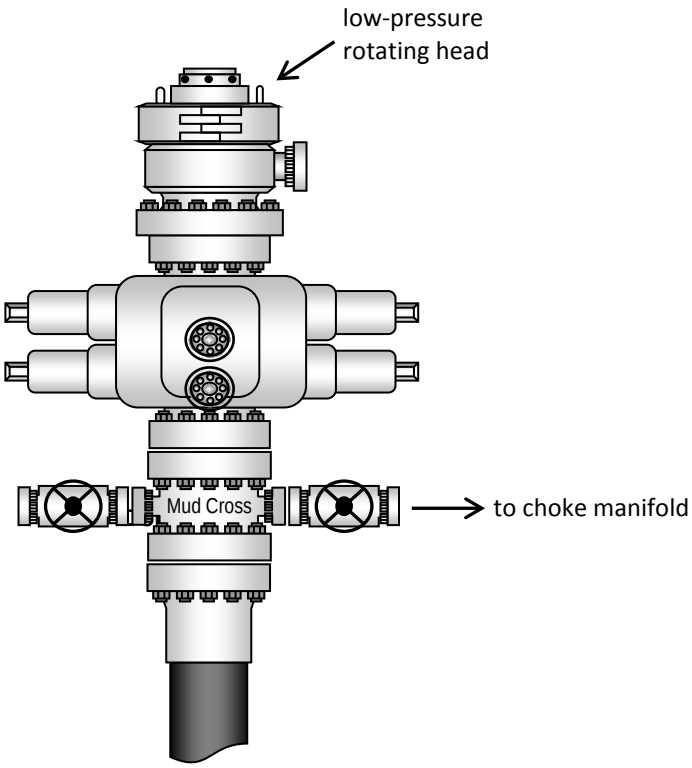
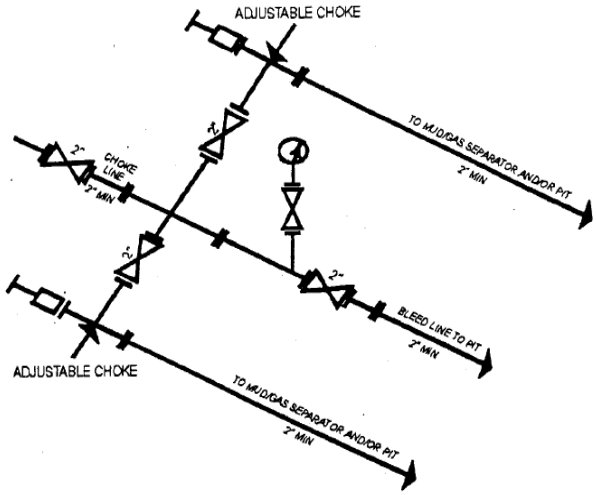
Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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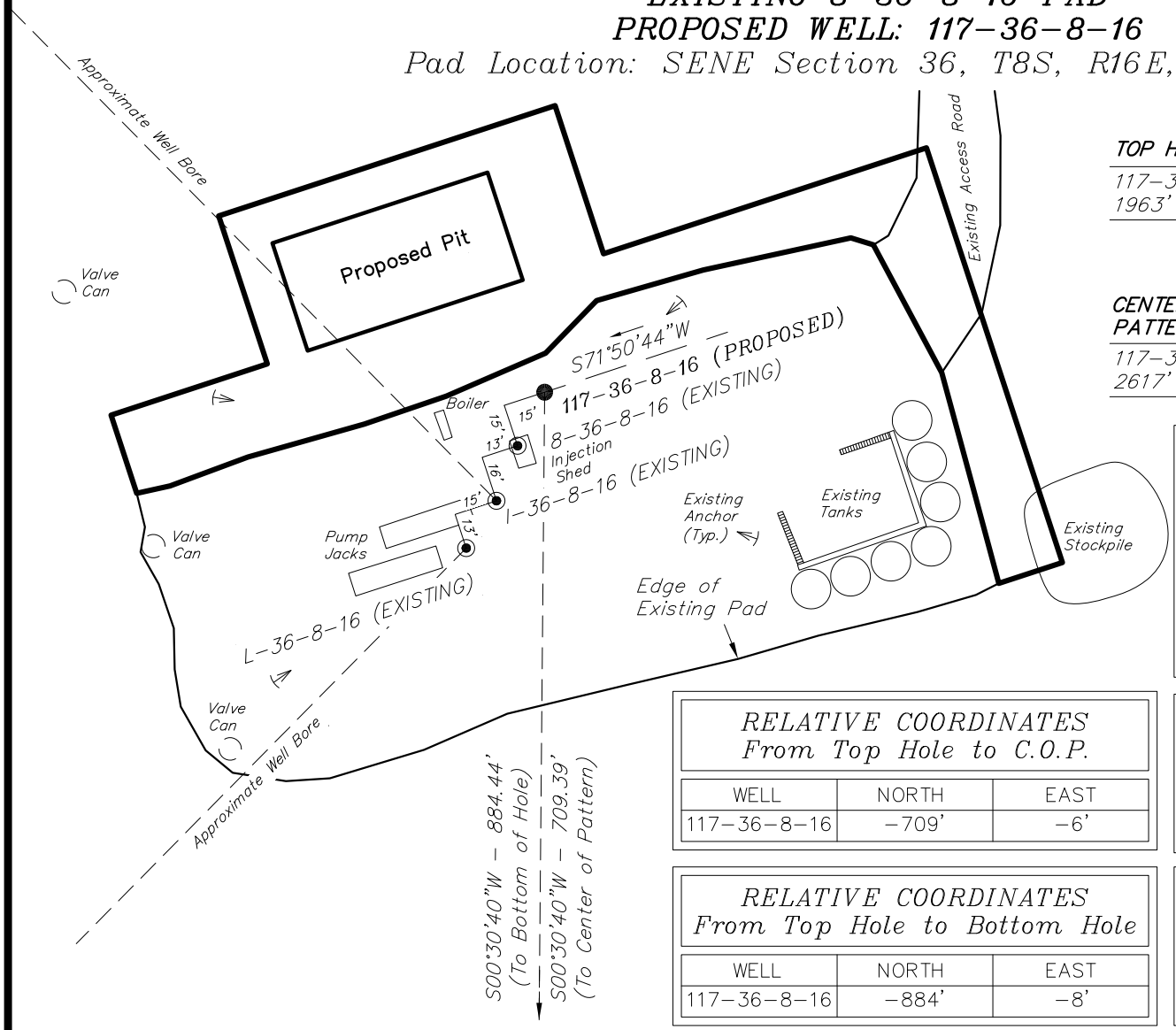
API Well Number: 43013527520000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT
EXISTING 8-36-8-16 PAD
PROPOSED WELL: 117-36-8-16
Pad Location: SENE Section 36, T8S, R16E, S.L.B.&M.



N

TOP HOLE FOOTAGES
117-36-8-16
1963' FNL & 654' FEL

CENTER OF PATTERN FOOTAGES
117-36-8-16
2617' FSL & 673' FEL

BOTTOM HOLE FOOTAGES
117-36-8-16
2442' FSL & 678' FEL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
8-36-8-16	40° 04' 34.28"	110° 03' 38.59"
I-36-8-16	40° 04' 34.09"	110° 03' 38.69"
L-36-8-16	40° 04' 33.92"	110° 03' 38.83"
117-36-8-16	40° 04' 34.46"	110° 03' 38.46"

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

WELL	NORTH	EAST
117-36-8-16	-709'	-6'

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
117-36-8-16	40° 04' 27.46"	110° 03' 38.69"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
117-36-8-16	-884'	-8'

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
117-36-8-16	40° 04' 25.73"	110° 03' 38.74"

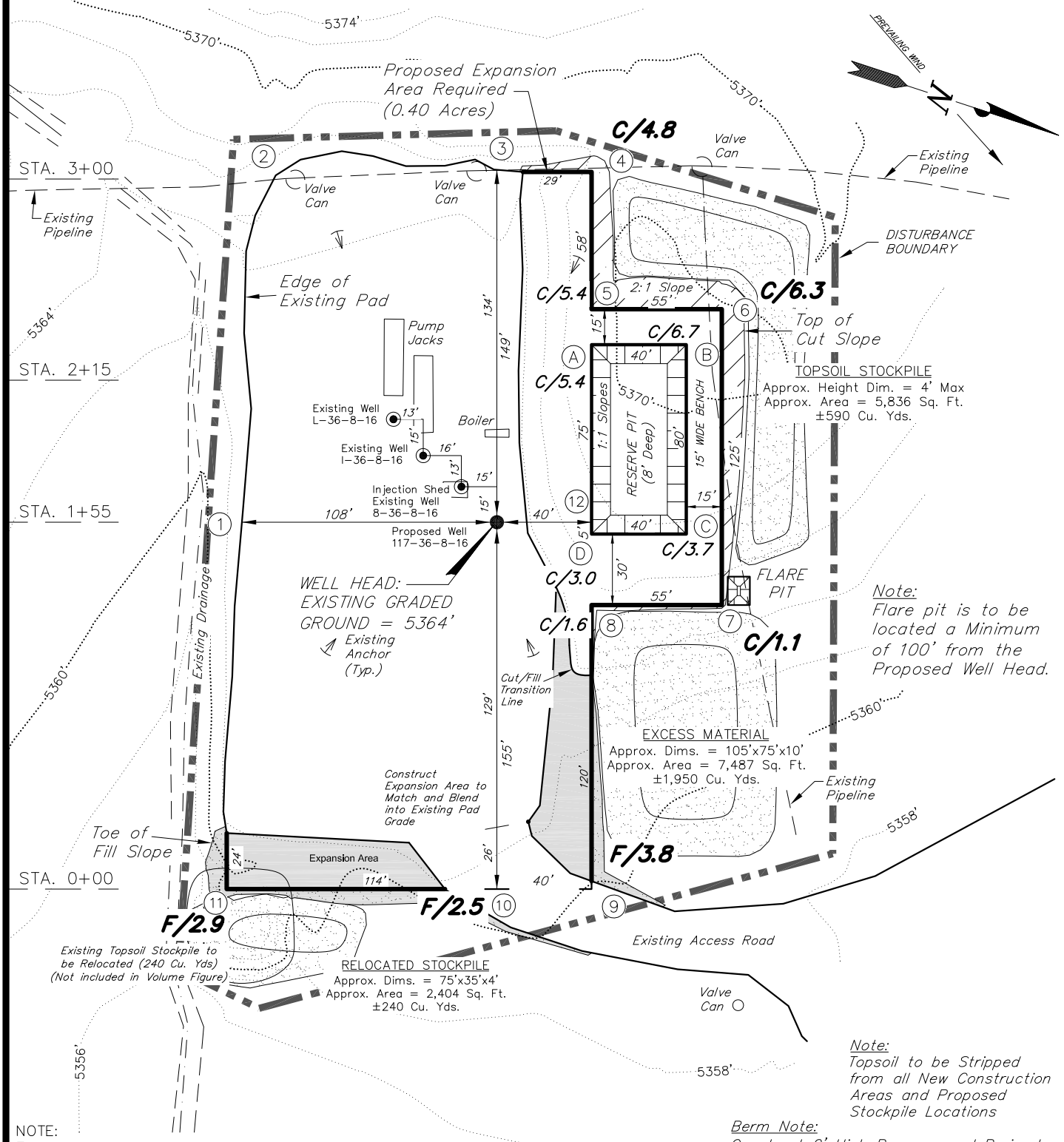
Note:
Bearings are based on GPS Observations.

SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: December 20, 2013

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT
EXISTING 8-36-8-16 PAD
PROPOSED WELL: 117-36-8-16
Pad Location: SENE Section 36, T8S, R16E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 2,540 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.

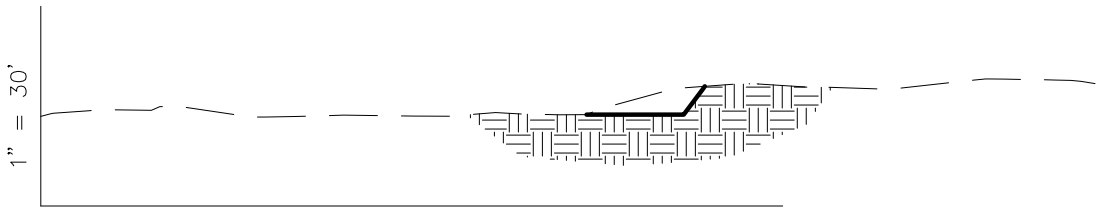
Berm Note:
Construct 2' High Berm around Perimeter of Pad, Except when Cut Exceeds 2'. Blend new Constructed Berm into Existing Pad Berm where Required.

SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 07-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 10-31-13		

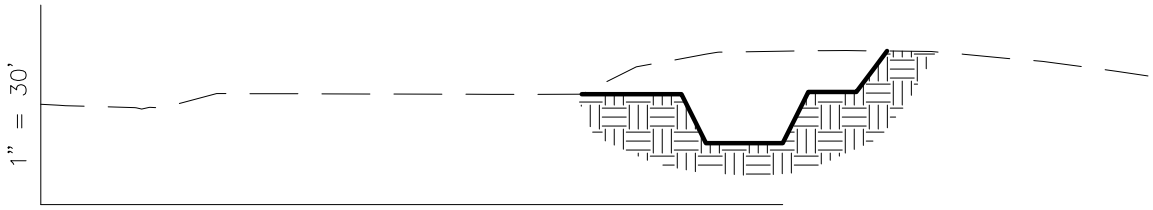
RECEIVED: December 20, 2013

NEWFIELD EXPLORATION COMPANY

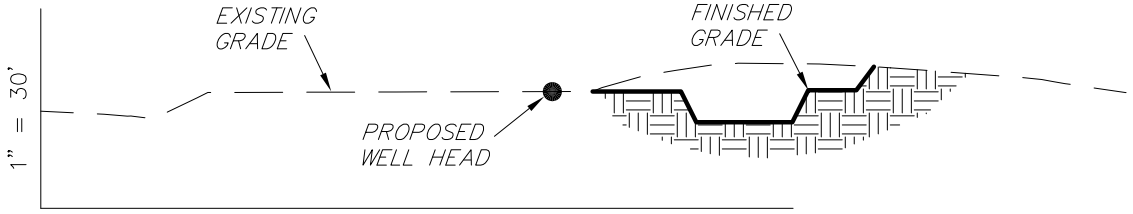
CROSS SECTIONS
EXISTING 8-36-8-16 PAD
PROPOSED WELL: 117-36-8-16
Pad Location: SENE Section 36, T8S, R16E, S.L.B.&M.



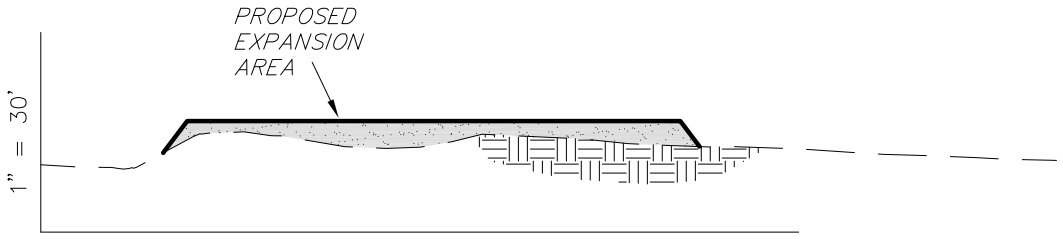
STA. 3+00



STA. 2+15



STA. 1+55



STA. 0+00

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	1,580	500	Topsoil is not included in Pad Cut	1,080
PIT	690	0		690
TOTALS	2,270	500	540	1,770

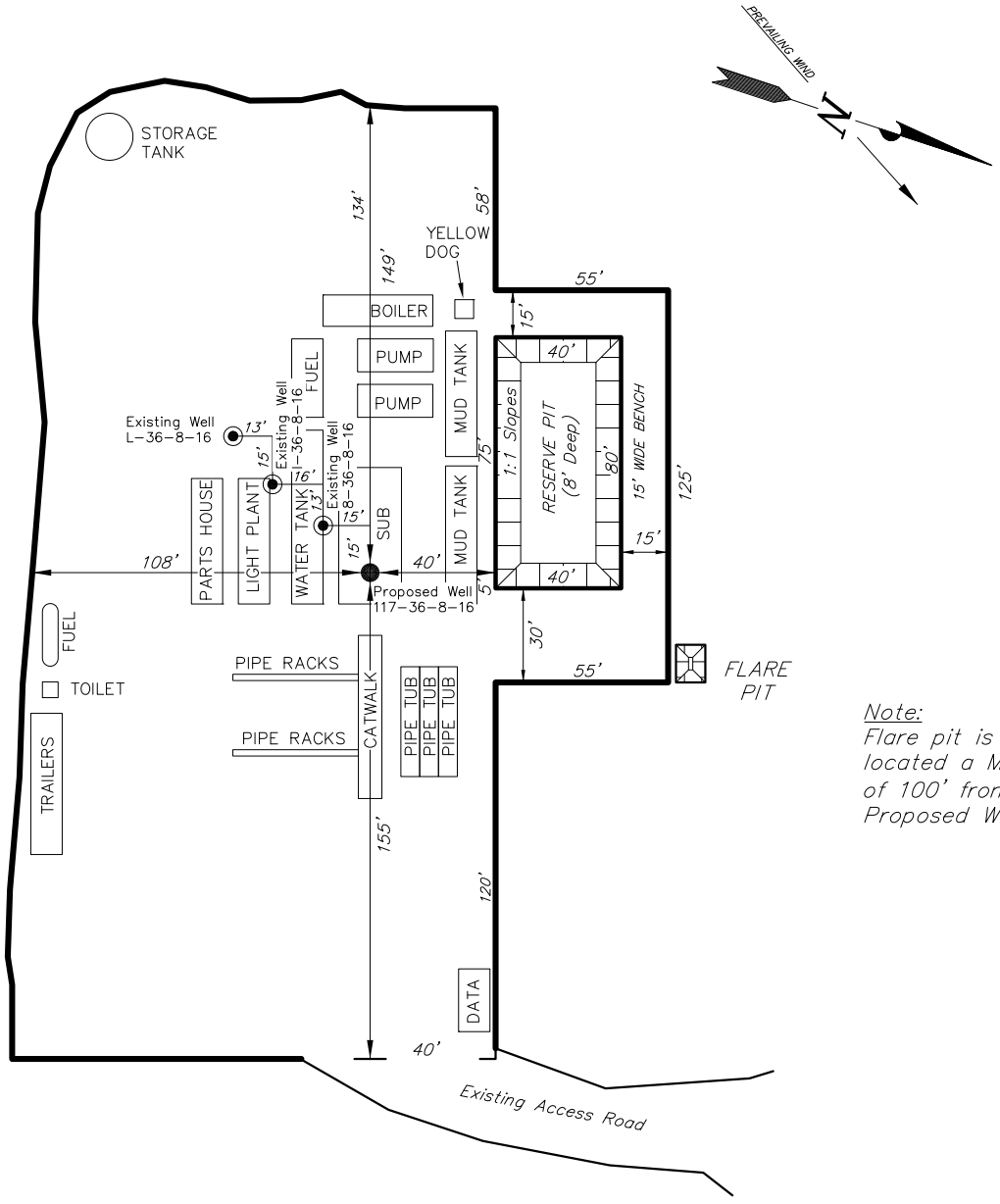
SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: December 20, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT
EXISTING 8-36-8-16 PAD
PROPOSED WELL: 117-36-8-16

Pad Location: SENE Section 36, T8S, R16E, S.L.B.&M.



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

SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: December 20, 2013

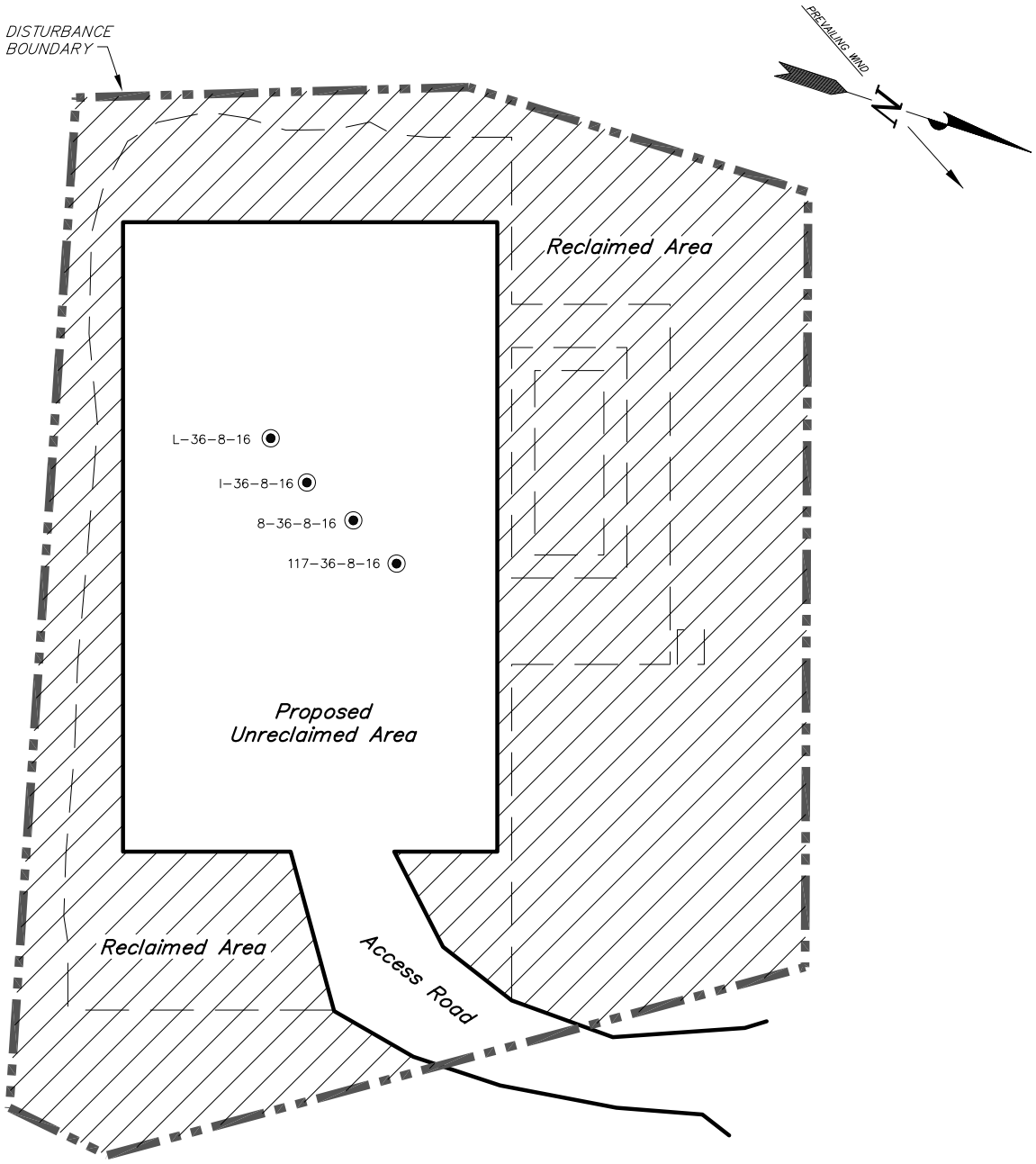
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 8-36-8-16 PAD

PROPOSED WELL: 117-36-8-16

Pad Location: SENE Section 36, T8S, R16E, 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 = ±2.02 ACRES
TOTAL RECLAIMED AREA = ±1.29 ACRES
UNRECLAIMED AREA = ±0.73 ACRES

SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: December 20, 2013

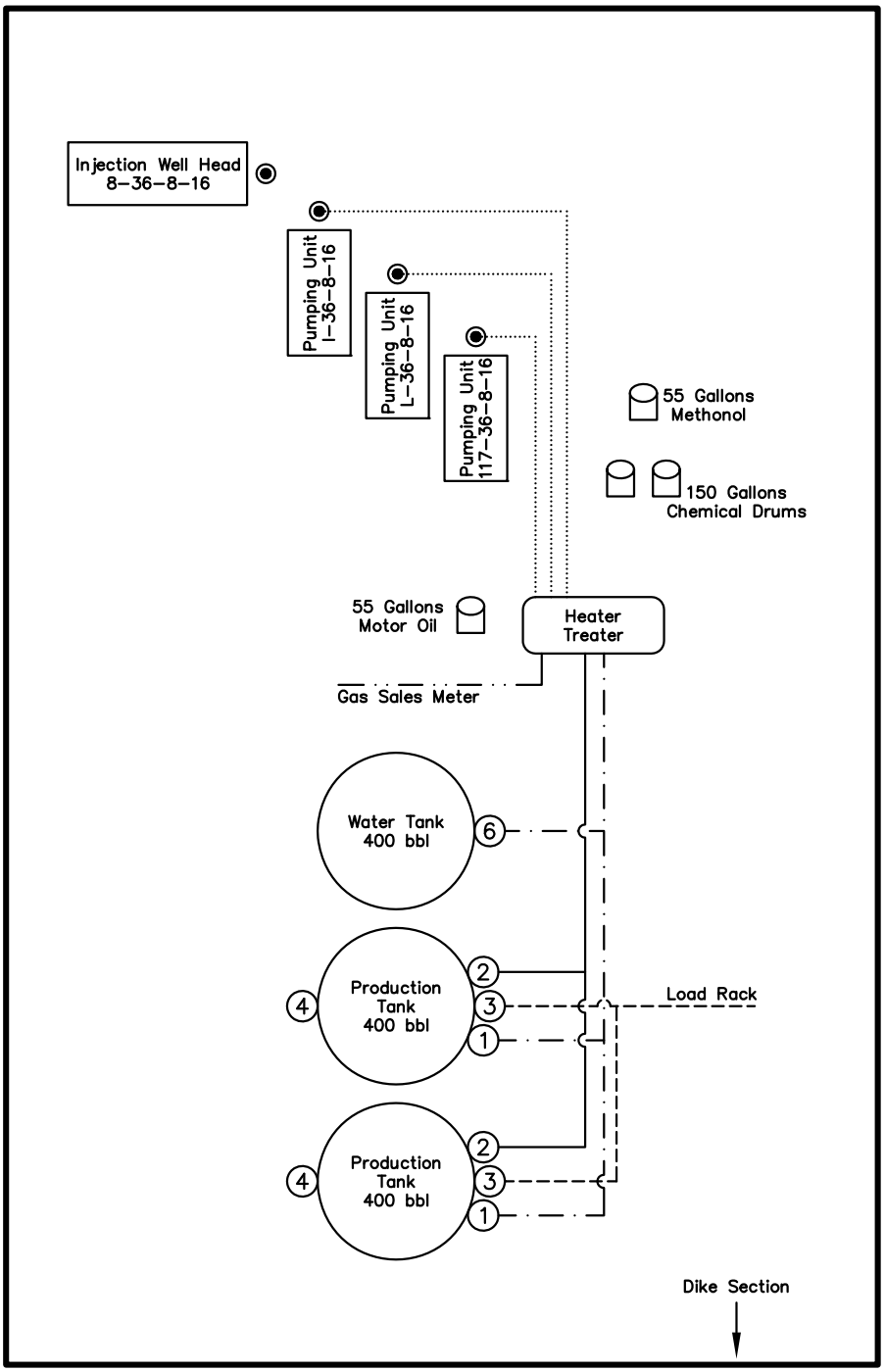
API Well Number: 43013527520000

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

8-36-8-16 PAD
I-36-8-16 ML-22061
L-36-8-16 ML-22061
117-36-8-16 ML-22061

Pad Location: SENE Section 36, T8S, R16E, S.L.B.&M.
Duchesne County, Utah



Legend

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

NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 08-23-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-13	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: NONE	REVISED:		

RECEIVED: December 20, 2013

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)

December 20, 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)		
43-013-52750	GMBU 120-32-8-17	Sec 32 T08S R17E 1910 FNL 0538 FWL BHL Sec 32 T08S R17E 2539 FSL 0787 FWL
43-013-52751	GMBU 112-32-8-17	Sec 32 T08S R17E 0561 FNL 0504 FWL BHL Sec 32 T08S R17E 1413 FNL 0640 FWL
43-013-52752	GMBU 117-36-8-16	Sec 36 T08S R16E 1963 FNL 0654 FEL BHL Sec 36 T08S R16E 2442 FSL 0678 FEL
43-047-54228	GMBU D-6-9-18	Sec 31 T08S R18E 0535 FSL 0517 FWL BHL Sec 06 T09S R18E 0005 FNL 1453 FWL
43-047-54233	GMBU Q-4-9-18	Sec 04 T09S R18E 0722 FSL 0770 FWL BHL Sec 04 T09S R18E 1654 FSL 1228 FWL
43-047-54234	GMBU T-5-9-18	Sec 04 T09S R18E 0706 FSL 0756 FWL BHL Sec 05 T09S R18E 1550 FSL 0190 FEL
43-047-54235	GMBU P-29-8-18	Sec 30 T08S R18E 0881 FSL 0617 FEL BHL Sec 29 T08S R18E 1460 FSL 0188 FWL
43-047-54236	GMBU C-30-8-18	Sec 19 T08S R18E 0641 FSL 1961 FWL BHL Sec 30 T08S R18E 0089 FNL 2509 FEL
43-047-54237	GMBU D-30-8-18	Sec 19 T08S R18E 0626 FSL 1946 FWL BHL Sec 30 T08S R18E 0101 FNL 1178 FWL

RECEIVED: December 20, 2013

API #	WELL NAME	LOCATION
Proposed PZ GREEN RIVER)		
43-047-54239	GMBU E-32-8-18	Sec 30 T08S R18E 0866 FSL 0631 FEL
		BHL Sec 32 T08S R18E 0176 FNL 0206 FWL
43-047-54240	GMBU X-28-8-18	Sec 33 T08S R18E 0455 FNL 1593 FWL
		BHL Sec 28 T08S R18E 0172 FSL 1236 FWL
43-047-54242	GMBU L-33-8-18	Sec 33 T08S R18E 1952 FNL 0748 FEL
		BHL Sec 33 T08S R18E 2504 FSL 1501 FEL

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

Michael Coulthard

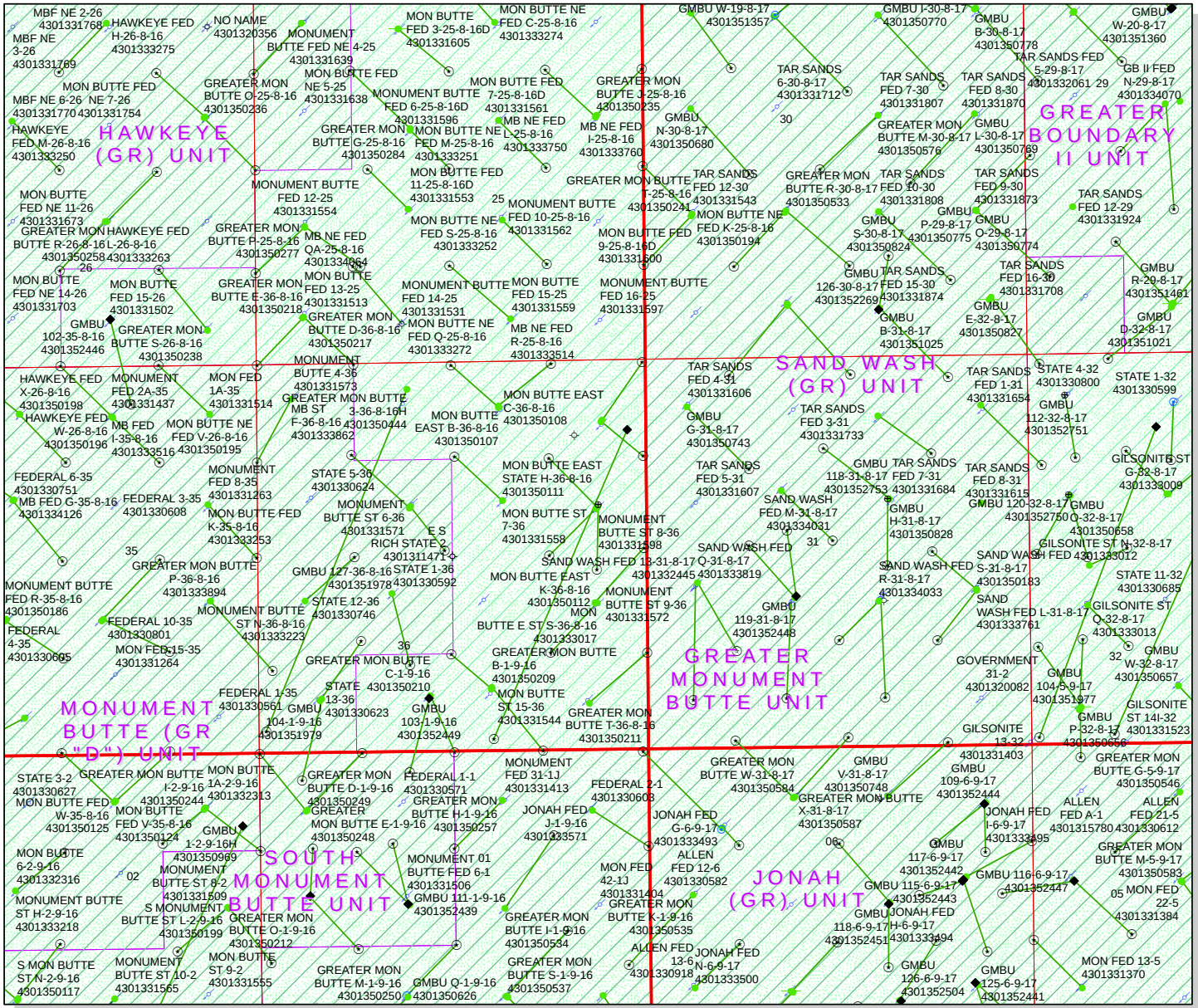
Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.12.20 14:44:18 -07'00'

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

MCoulthard:mc:12-20-13

RECEIVED: December 20, 2013

API Well Number: 43013527520000



API Number: 4301352752

Well Name: GMBU 117-36-8-16

Township: T08.0S Range: R16.0E Section: 36 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 12/27/2013
Map Produced by Diana Mason

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1,700 850 0 1,700 Feet

1:16,807

RECEIVED: December 27, 2013

NEWFIELD

VIA ELECTRONIC DELIVERY

January 3, 2014

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

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

RE: Directional Drilling
GMBU 117-36-8-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 36: SENE (ML-22061)
1963' FNL 654' FEL

At Target: T9S-R16E Section 36: NESE (ML-22061)
2442' FSL 678' 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 12/20/13, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,
Newfield Production Company

Leslie Burget

Leslie Burget
Land Associate

API Well Number: 43013527520000

FORM 3

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

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

	1. WELL NAME and NUMBER: GMBU 117-36-8-16
2. TYPE OF WORK: DRILL NEW WELL (●) REENTER P&A WELL ( ) DEEPEN WELL ( )	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-22061	11. MINERAL OWNERSHIP: FEDERAL ( ) INDIAN ( ) STATE (●) FEE ( )
12. SURFACE OWNERSHIP: FEDERAL ( ) INDIAN ( ) STATE (●) FEE ( )	
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 ( ) (Submit Commingling Application) NO (●)
19. SLANT: VERTICAL ( ) DIRECTIONAL (●) HORIZONTAL ( )	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1963FNL654FEL	SENE	36	8.0S	16 0E	S
Top of Uppermost Producing Zone	2458FNL658FEL	SENE	36	8 0S	16 0E	S
At Total Depth	2442FSL678FEL	NESE	36	8 0S	16 0E	S

21. COUNTY: DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet): 678	23. NUMBER OF ACRES IN DRILLING UNIT: 10
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 467	26. PROPOSED DEPTH: MD:6242 TVD:6169
27. ELEVATION - GROUND LEVEL: 5364	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 - 6242	15 5	J-55 LT&C	8 3	Premium Lite High Strength	293	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

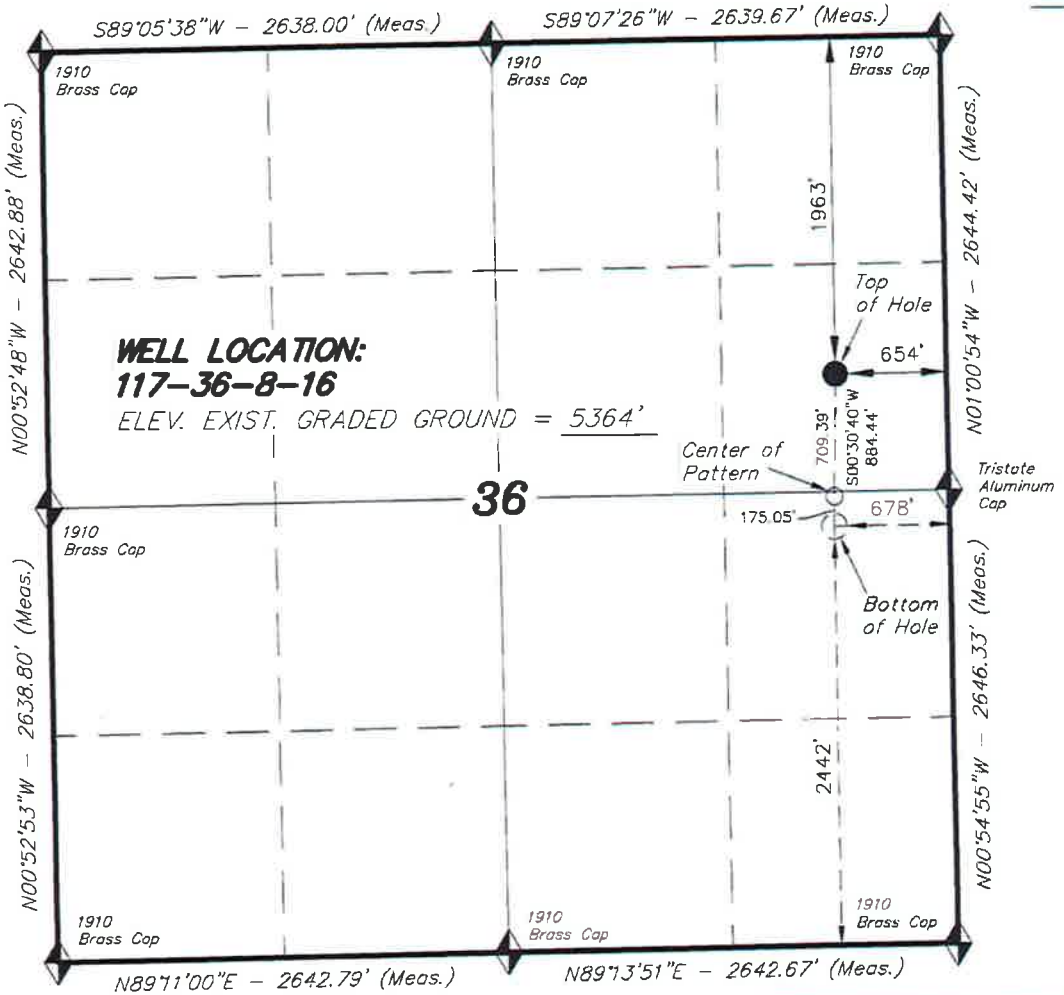
☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 12/20/2013	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED	APPROVAL	

Received: December 20, 2013

API Well Number: 43013527520000

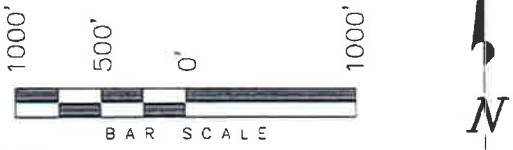
T8S, R16E, S.L.B.&M.



NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 117-36-8-16, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 117-36-8-16, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 2617' FSL & 673' 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.

REGISTERED LAND SURVEYOR
No.189377
10-31-13
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No.
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 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°04'27.46" LONGITUDE = 110°03'38.69"	LATITUDE = 40°04'25.73" LONGITUDE = 110°03'38.74"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°04'27.59" LONGITUDE = 110°03'36.15"	LATITUDE = 40°04'25.86" LONGITUDE = 110°03'36.20"

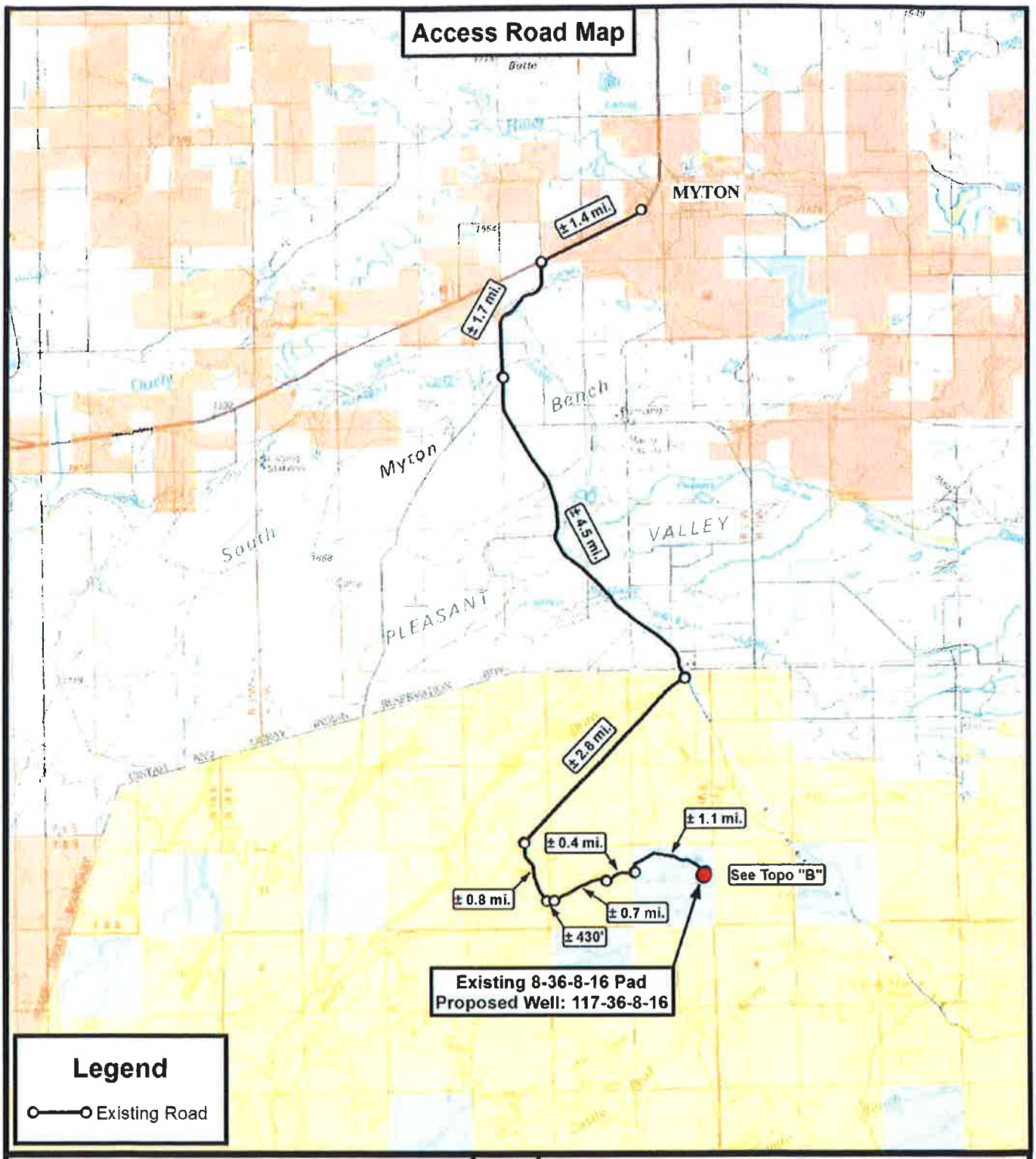
NAD 83 (SURFACE LOCATION)
LATITUDE = 40°04'34.46" LONGITUDE = 110°03'38.46"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°04'34.60" LONGITUDE = 110°03'35.92"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 08-23-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 10-31-13	DRAWN BY: F.T.M.	V2
REVISED:	SCALE: 1" = 1000'	

API Well Number: 43013527520000



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

N

NEWFIELD EXPLORATION COMPANY

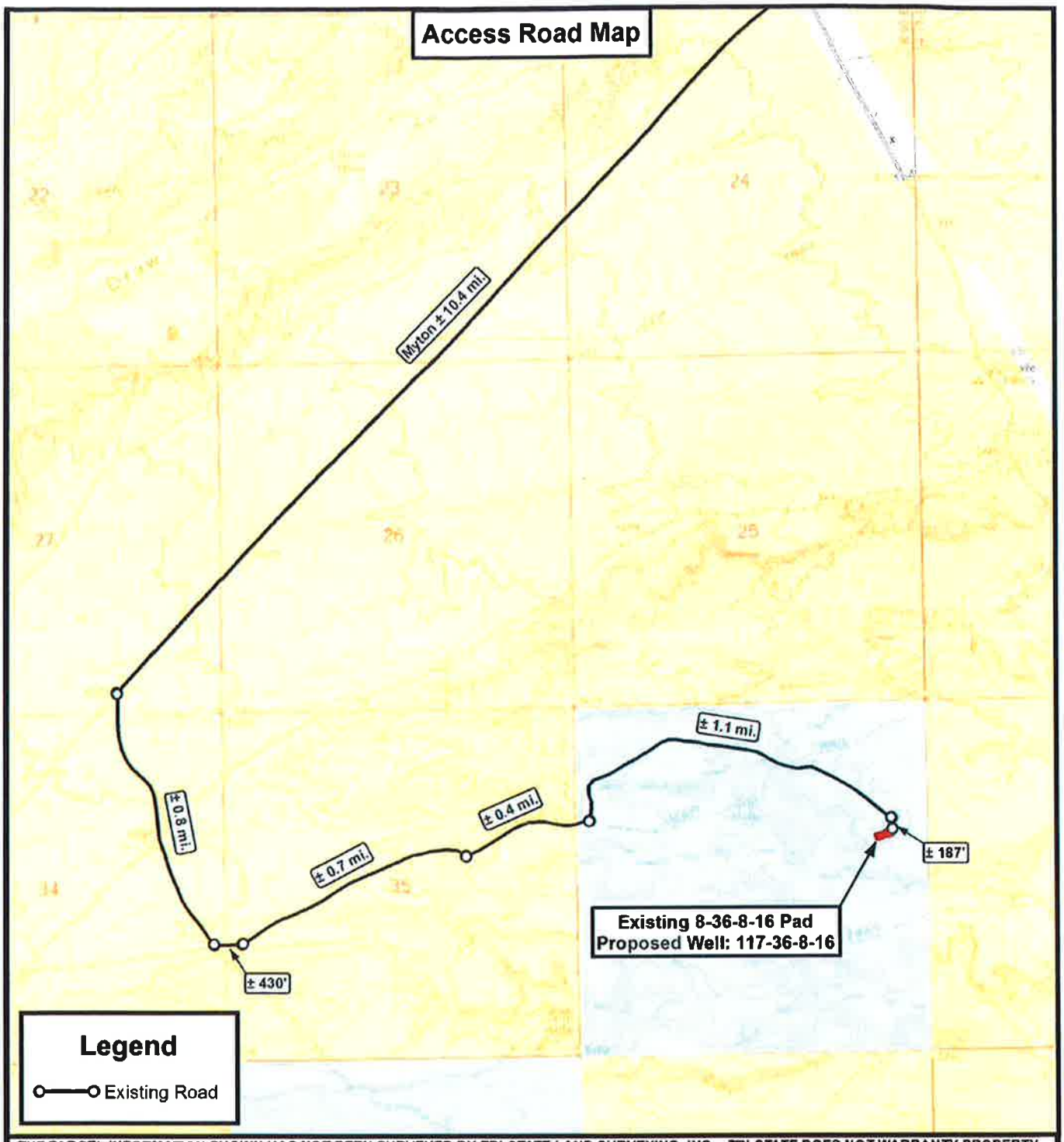
Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	10-31-2013		V2
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013527520000



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

N

NEWFIELD EXPLORATION COMPANY

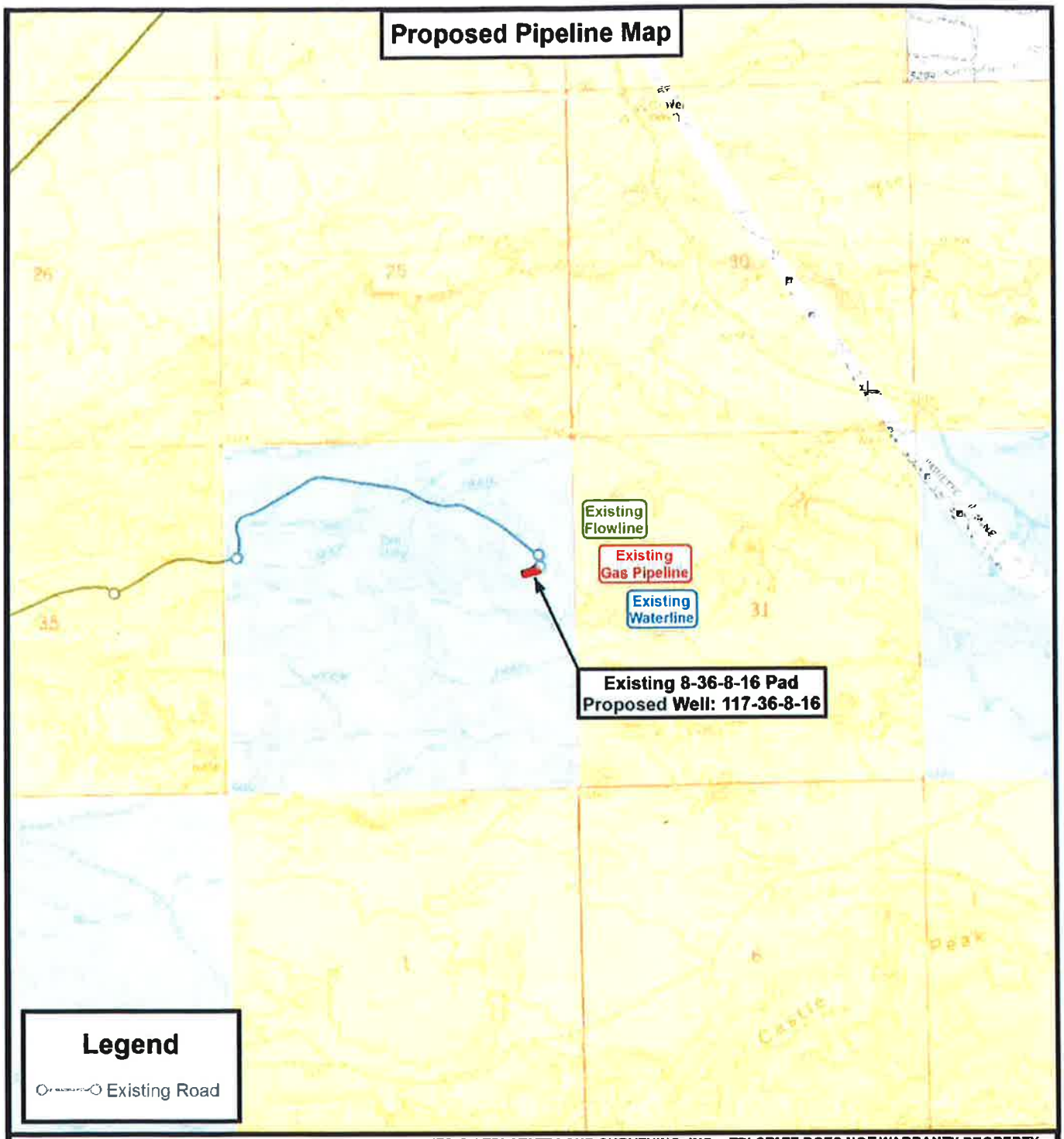
Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED: 10-31-13 D.C.R.	VERSION:
DATE:	08-27-2013		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013527520000



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

DRAWN BY:	A.P.C.	REVISED: 10-31-13 D.C.R	VERSION:
DATE:	08-27-2013		V2
SCALE:	1 " = 2,000 '		

N

NEWFIELD EXPLORATION COMPANY

Existing 8-36-8-16 Pad
Proposed Well: 117-36-8-16
Sec. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET C

API well Number: 43013527520000

Diana Mason <dianawhitney@utah.gov>

Newfield Approval

Jeff Conley <jconley@utah.gov> Wed, Feb 5, 2014 at 11:50 AM
To: Diana Mason <dianawhitney@utah.gov>, mcrozier@newfield.com, Bradley Hill <bradhill@utah.gov>
Cc: Jim Davis <jimdavis1@utah.gov>, Lavonne Garrison <lavonnegarrison@utah.gov>

Hello,

The following wells have been approved by SITLA including arch and paleo:

(4301352750) GMBU 120-32-8-17
(4301352751) GMBU 112-32-8-17
(4301352752) GMBU 117-36-8-16

Thank you,

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

RECEIVED: February 05, 2014

API Well Number: 43013527520000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY GMBU 117-36-8-16 43013527520000

Well Name	NEWFIELD PRODUCTION COMPANY GMBU 117-36-8-16 430135275			
String	SURF	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	600	6169		
Previous Shoe Setting Depth (TVD)	0	600		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2684	8.4		

Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	259		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	187	YES	air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	127	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	127	NO	OK
Required Casing/BOPE Test Pressure=		600	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=	2663		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1923	YES	2M BOP w/dbl rams, closing unit
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1306	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1438	NO	OK
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		600	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

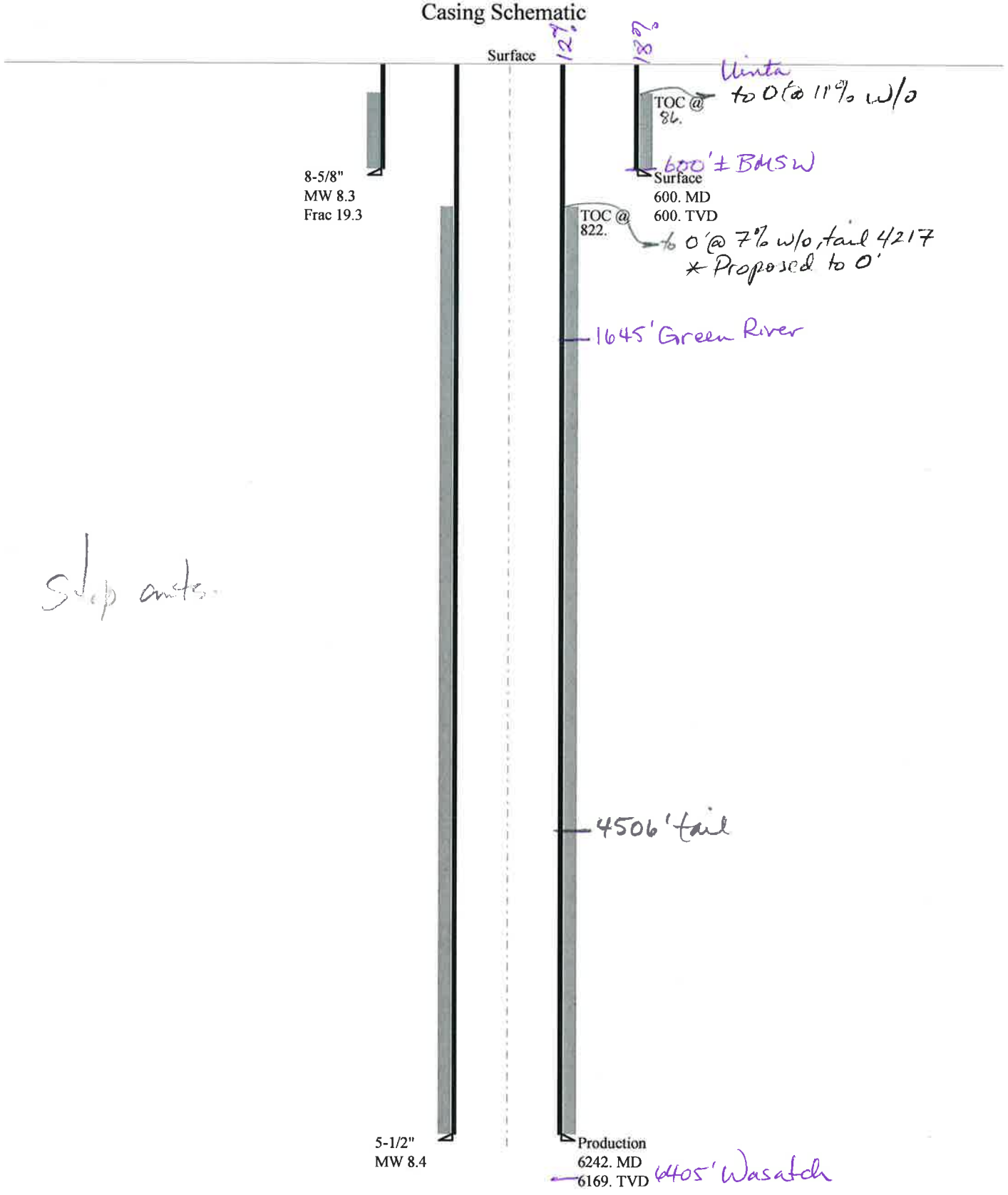
Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At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

RECEIVED: March 03, 2014

API Well Number: 43013527520000

43013527520000 GMBU 117-36-8-16

Casing Schematic



Well name:	**43013527520000 GMBU 117-36-8-16**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-52752
Location:	DUCHESNE COUNTY

Design parameters:

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

Burst
Max anticipated surface pressure: 528 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 600 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: 525 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 86 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 6,169 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,692 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 600 ft
Injection pressure: 600 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	600	8.625	24.00	J-55	ST&C	600	600	7.972	3088

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	259	1370	5.297	600	2950	4.92	12.6	244	19.36 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: February 6,2014
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 600 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.

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

Well name:	**43013527520000 GMBU 117-36-8-16**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-52752
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,335 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,692 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 buoyed weight.
Neutral point: 5,447 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 160 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 822 ft

Directional Info - Build & Hold
Kick-off point 600 ft
Departure at shoe: 885 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 9.56 °

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	6242	5.5	15.50	J-55	LT&C	6169	6242	4.825	22041

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	2692	4040	1.501	2692	4810	1.79	83.5	217	2.60 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 30,2014
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 6169 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 117-36-8-16
API Number 43013527520000 **APD No** 9231 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENE **Sec** 36 **Tw** 8.0S **Rng** 16.0E 1963 FNL 654 FEL
GPS Coord (UTM) 580091 4436642 **Surface Owner**

Participants

Corie Miller - NFX

Regional/Local Setting & Topography

new well hole on exisiting location.
This will be the fourth well hosted by the 8-36-8-16 water injection well. Other wells are the I-36 and the L-36
This location is east of the Fenceline road above the sand wash facilities in the monument butte east field. The location is carved out of a bluff like feature and hosts a large battery of tanks for nearby wells. It is bordered by cut slopes and a drainage on the south side. Its sits in an erosional feature between the Castle Peak draw (north) and the Wells draw to the south. It has an existing diversion and drainage that seems to be working well.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	**Width** 200 **Length** 300	Onsite	UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands Y

Flora / Fauna

High desert shrubland ecosystem locally. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.
Dominant vegetation;
NO native plants on disturbed soils
Wildlife;
Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed. Disturbed soils onsite do not support habitat for wildlife.

Soil Type and Characteristics

disturbed native soils

RECEIVED: March 04, 2014

API Well Number: 43013527520000

Erosion Issues Y

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required? Y

Berm Required? Y

Erosion Sedimentation Control Required?

Paleo Survey Run? N **Paleo Potental 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)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	42 1 Sensitivity Level

Characteristics / Requirements

A 40’ x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

little new disturbance. Existing diversion may be sufficient

Chris Jensen	1/8/2014
Evaluator	**Date / Time**

RECEIVED: March 04, 2014

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
9231	43013527520000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	GMBU 117-36-8-16		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	SENE 36 8S 16E S 1963 FNL 654 FEL GPS Coord (UTM) 580094E 4436643N				

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 600'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. 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. Surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill	1/27/2014
APD Evaluator	**Date / Time**

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Access road enters the pad from the South.
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.
Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Operator has not submitted plans for the protection of slopes.
I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A drainage diversion can be found adjacent the site to the East. 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 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. The diversion is to be maintained to conduct overland or channel flow from a natural channels and reintroduce flows back into the natural courses offsite. Care to be taken that diversion of water does not impact or erode topsoil pile

Chris Jensen	1/8/2014
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

RECEIVED: March 04, 2014

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Drainages and diversions adjacent to the proposed pad shall be maintained or reconstructed as needed.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: March 04, 2014

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/20/2013 **API NO. ASSIGNED:** 43013527520000

WELL NAME: GMBU 117-36-8-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 36 080S 160E **Permit Tech Review:** ☑

SURFACE: 1963 FNL 0654 FEL **Engineering Review:** ☑

BOTTOM: 2442 FSL 0678 FEL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.07625 **LONGITUDE:** -110.06065

UTM SURF EASTINGS: 580094.00 **NORTHINGS:** 4436643.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22061 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE - 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
12 - Cement Volume (3) - hmacdonald
15 - Directional - dmason
25 - Surface Casing - hmacdonald
27 - Other - bhill

RECEIVED: March 04, 2014

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 117-36-8-16
API Well Number: 43013527520000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 3/4/2014

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

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

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

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

Conditions of Approval:
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).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.

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:

For John Rogers
Associate Director, Oil & Gas

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22061

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 117-36-8-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013527520000

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: 1963 FNL 0654 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 36 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/4/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the
Utah Division of
Oil, Gas and Mining
February 02, 2015
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 1/28/2015

RECEIVED: Jan. 28, 2015

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013527520000

API: 43013527520000
Well Name: GMBU 117-36-8-16
Location: 1963 FNL 0654 FEL QTR SENE SEC 36 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 3/4/2014

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

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

Signature: Mandie Crozier **Date:** 1/28/2015
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Jan. 28, 2015

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: ML-22061

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 117-36-8-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013527520000

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: 1963 FNL 0654 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 36 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/4/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the
Utah Division of
Oil, Gas and Mining
February 08, 2016
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 2/4/2016

RECEIVED: Feb. 04, 2016

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013527520000

API: 43013527520000
Well Name: GMBU 117-36-8-16
Location: 1963 FNL 0654 FEL QTR SENE SEC 36 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 3/4/2014

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

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- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 2/4/2016
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Feb. 04, 2016