API Well Number: 43013526620000

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 M-21-8-17

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)
UTU-76954

11. MINERAL OWNERSHIP
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ◉

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Jeremy and Jennifer Price

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
Route 3, Box 3720, Myton, Ut 84052

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	2201 FNL 2187 FWL	SENW	21	8.0 S	17.0 E	S
Top of Uppermost Producing Zone	2593 FNL 2585 FWL	SENW	21	8.0 S	17.0 E	S
At Total Depth	2437 FSL 2442 FEL	NWSE	21	8.0 S	17.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
2437

23. NUMBER OF ACRES IN DRILLING UNIT
20

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1213

26. PROPOSED DEPTH
MD: 6561 TVD: 6485

27. ELEVATION - GROUND LEVEL
5226

28. BOND NUMBER
WYB000493

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
PROD	7.875	5.5	0 - 6561	15.5	J-55 LT&C	8.3	Premium Lite High Strength	315	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 Heather Calder | **TITLE** Production Technician | **PHONE** 435 646-4936

SIGNATURE | **DATE** 11/07/2013 | **EMAIL** hcalder@newfield.com

API NUMBER ASSIGNED
43013526620000

APPROVAL

Permit Manager

RECEIVED: December 10, 2013

NEWFIELD PRODUCTION COMPANY
GMBU M-21-8-17
AT SURFACE: SE/NW SECTION 21, 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' – 4,235'
Green River	4,235'
Wasatch	6,715'
Proposed TD	6,561'(MD) 6,485' (TVD)

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

Green River Formation (Oil) 4,235' – 6,715'

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: November 12, 2013

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU M-21-8-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,561'	15.5	J-55	LTC	4,810 2.30	4,040 1.94	217,000 2.13

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 M-21-8-17

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,561'	Prem Lite II w/ 10% gel + 3% KCl	315 1027	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: November 12, 2013

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 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 ±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

RECEIVED: November 12, 2013

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 2nd quarter of 2014, and take approximately seven (7) days from spud to rig release.

RECEIVED: November 12, 2013

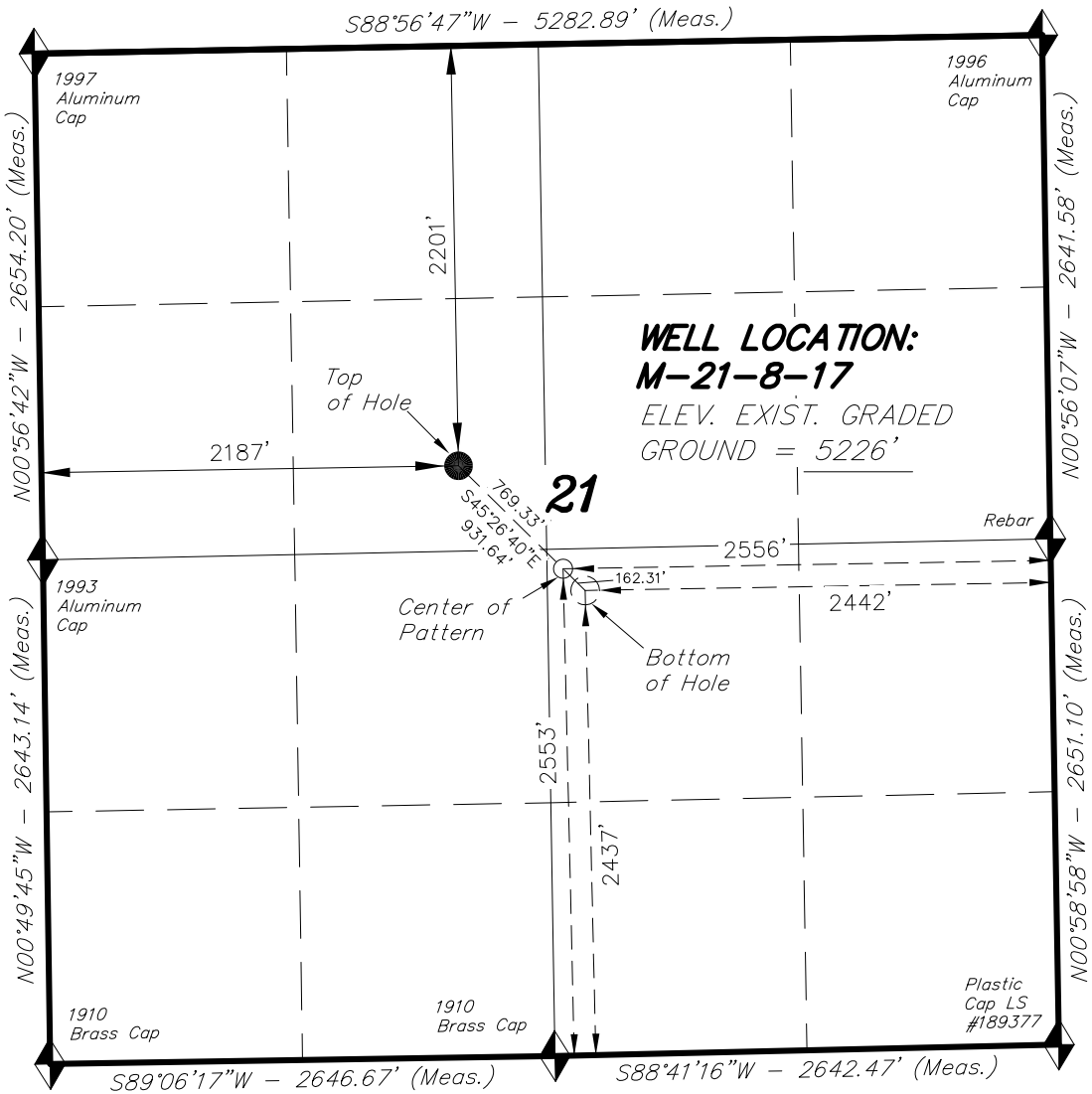
API Well Number: 43013526620000

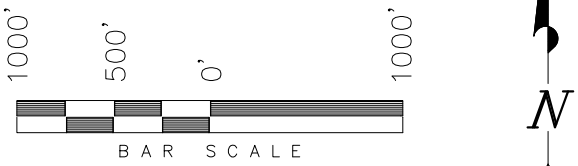
T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

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

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





NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

REGISTERED LAND SURVEYOR
No. 189377
08-07-13
STACY W. STEWART
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'

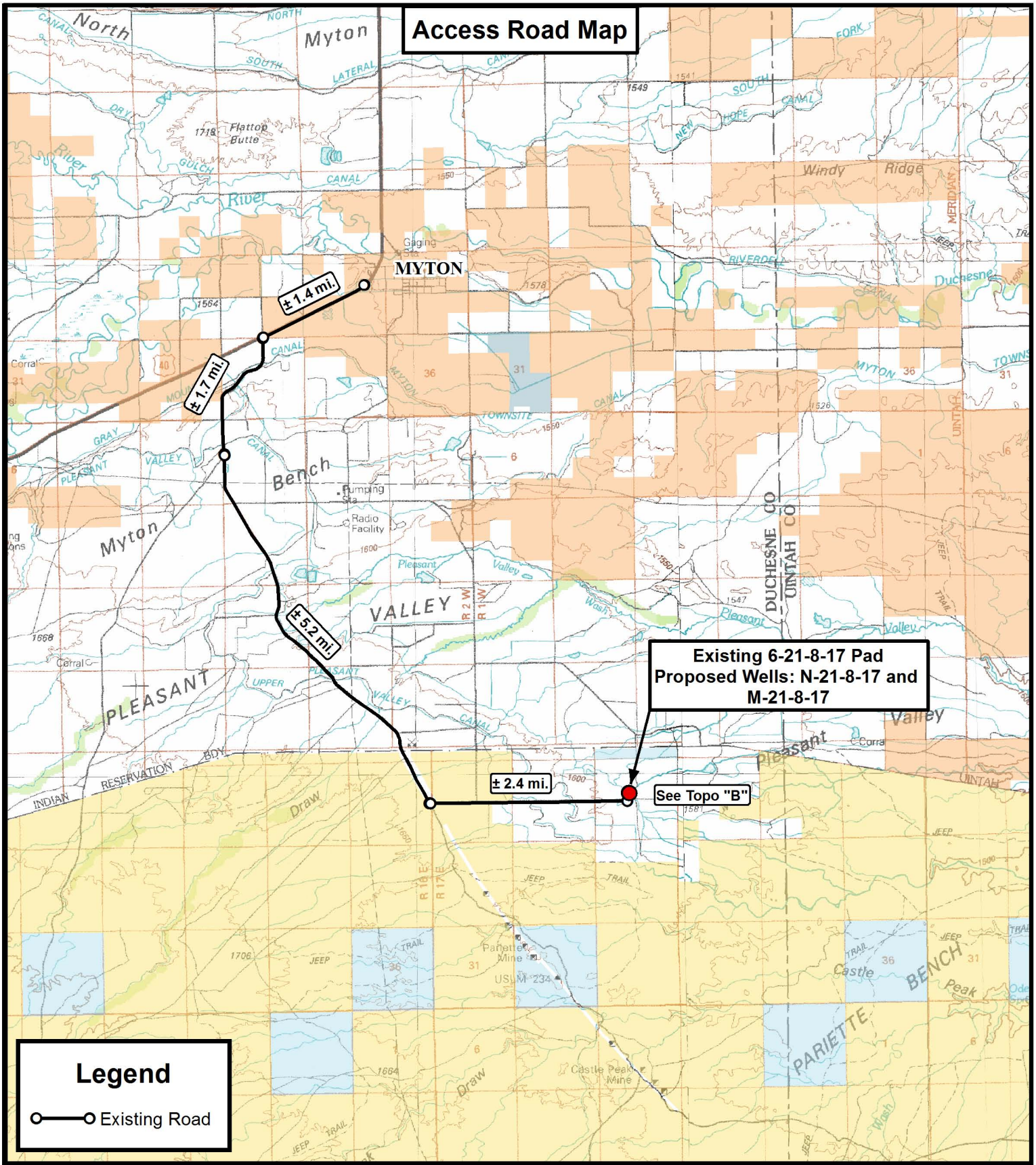
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'16.92"	LONGITUDE = 110°00'47.05"
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'17.06"	LONGITUDE = 110°00'44.51"
NAD 83 (CENTER OF PATTERN)	**NAD 83 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°06'11.50"	LONGITUDE = 110°00'40.11"
LATITUDE = 40°06'10.35"	LONGITUDE = 110°00'38.65"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°06'11.64"	LONGITUDE = 110°00'37.57"
LATITUDE = 40°06'10.49"	LONGITUDE = 110°00'36.11"

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

DATE SURVEYED: 02-29-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 08-07-13	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: November 07, 2013

API Well Number: 43013526620000



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

N

NEWFIELD EXPLORATION COMPANY

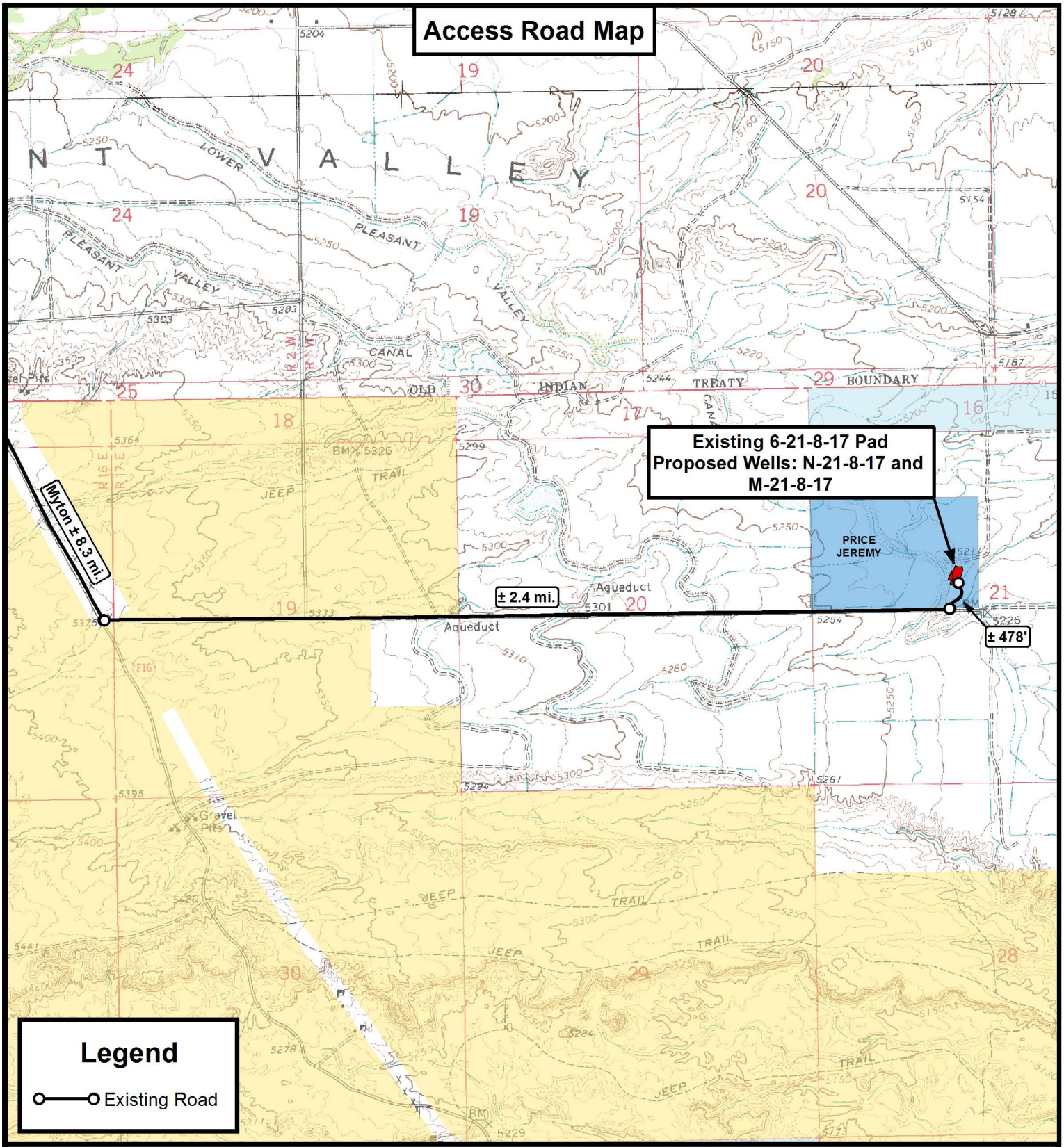
Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013526620000



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 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

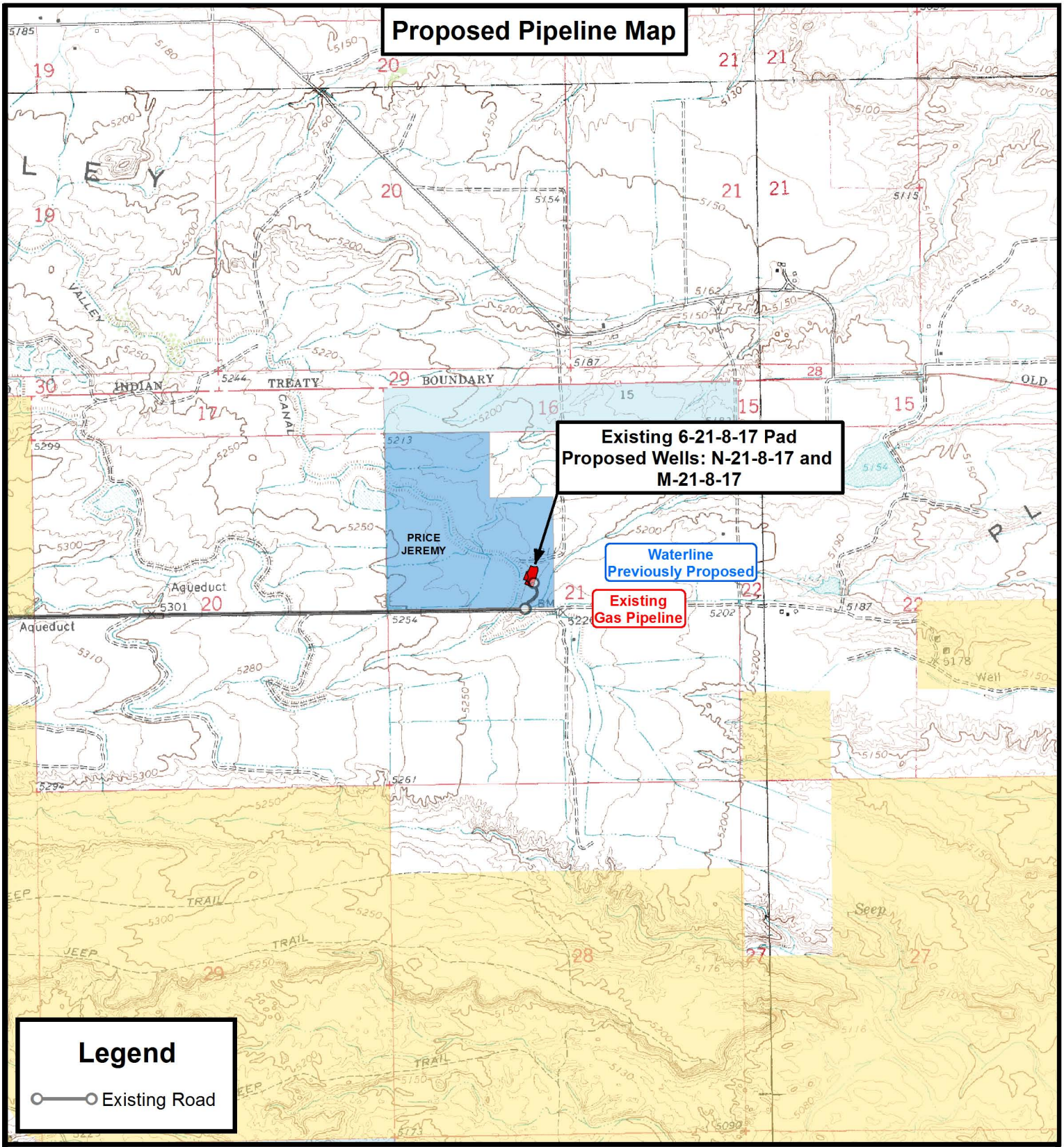
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013526620000

Proposed Pipeline Map



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N

NEWFIELD EXPLORATION COMPANY

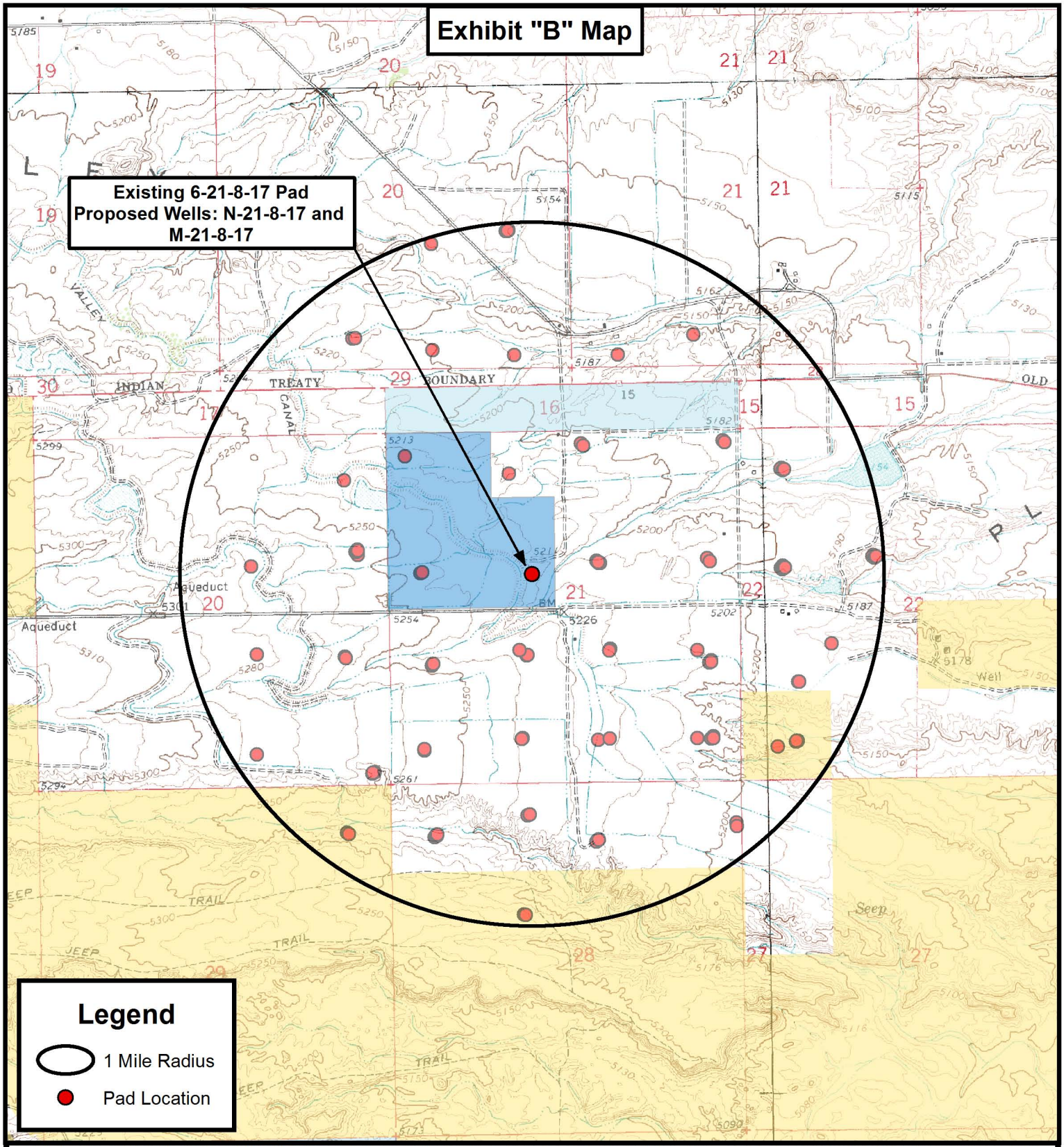
Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013526620000



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F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013526620000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
6-21-8-17	Surface Hole	40° 06' 17.30" N	110° 00' 47.26" W
N-21-8-17	Surface Hole	40° 06' 17.11" N	110° 00' 47.15" W
M-21-8-17	Surface Hole	40° 06' 16.92" N	110° 00' 47.05" W
N-21-8-17	Center of Pattern	40° 06' 11.62" N	110° 00' 58.65" W
M-21-8-17	Center of Pattern	40° 06' 11.50" N	110° 00' 40.11" W
N-21-8-17	Bottom of Hole	40° 06' 10.62" N	110° 01' 00.76" W
M-21-8-17	Bottom of Hole	40° 06' 10.35" N	110° 00' 38.65" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
6-21-8-17	Surface Hole	40.104807	110.013128
N-21-8-17	Surface Hole	40.104753	110.013098
M-21-8-17	Surface Hole	40.104700	110.013068
N-21-8-17	Center of Pattern	40.103229	110.016292
M-21-8-17	Center of Pattern	40.103194	110.011141
N-21-8-17	Bottom of Hole	40.102950	110.016877
M-21-8-17	Bottom of Hole	40.102876	110.010735

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
6-21-8-17	Surface Hole	4439856.517	584110.845
N-21-8-17	Surface Hole	4439850.618	584113.482
M-21-8-17	Surface Hole	4439844.718	584116.119
N-21-8-17	Center of Pattern	4439678.390	583843.157
M-21-8-17	Center of Pattern	4439679.372	584282.205
N-21-8-17	Bottom of Hole	4439646.850	583793.653
M-21-8-17	Bottom of Hole	4439644.488	584317.244

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
6-21-8-17	Surface Hole	40° 06' 17.44" N	110° 00' 44.73" W
N-21-8-17	Surface Hole	40° 06' 17.25" N	110° 00' 44.62" W
M-21-8-17	Surface Hole	40° 06' 17.06" N	110° 00' 44.51" W
N-21-8-17	Center of Pattern	40° 06' 11.76" N	110° 00' 56.11" W
M-21-8-17	Center of Pattern	40° 06' 11.64" N	110° 00' 37.57" W
N-21-8-17	Bottom of Hole	40° 06' 10.76" N	110° 00' 58.22" W
M-21-8-17	Bottom of Hole	40° 06' 10.49" N	110° 00' 36.11" W

Tri State Land Surveying, Inc.
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NEWFIELD EXPLORATION COMPANY

Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	08-09-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 1

RECEIVED: November 07, 2013

API Well Number: 43013526620000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
6-21-8-17	Surface Hole	40.104845	110.012424
N-21-8-17	Surface Hole	40.104792	110.012393
M-21-8-17	Surface Hole	40.104738	110.012363
N-21-8-17	Center of Pattern	40.103267	110.015587
M-21-8-17	Center of Pattern	40.103232	110.010436
N-21-8-17	Bottom of Hole	40.102988	110.016172
M-21-8-17	Bottom of Hole	40.102914	110.010030

Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
6-21-8-17	Surface Hole	4439651.192	584173.089
N-21-8-17	Surface Hole	4439645.293	584175.726
M-21-8-17	Surface Hole	4439639.394	584178.363
N-21-8-17	Center of Pattern	4439473.065	583905.400
M-21-8-17	Center of Pattern	4439474.047	584344.451
N-21-8-17	Bottom of Hole	4439441.526	583855.897
M-21-8-17	Bottom of Hole	4439439.164	584379.491

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

NEWFIELD EXPLORATION COMPANY

Existing 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	08-09-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 2

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 21 T8S, R17E
M-21-8-17

Wellbore #1

Plan: Design #1

Standard Planning Report

03 December, 2012

RECEIVED: November 07, 2013

NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well M-21-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	**North Reference:**	True
Well:	M-21-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

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

Site SECTION 21 T8S, R17E

Site Position:		**Northing:**	7,210,000.00 ft	**Latitude:**	40° 6' 13.990 N
From:	Lat/Long	**Easting:**	2,055,000.00 ft	**Longitude:**	110° 1' 3.925 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.95 °

Well M-21-8-17, SHL LAT: 40 06 16.92 LONG: -110 00 47.05

Well Position	**+N/-S**	296.4 ft	**Northing:**	7,210,318.17 ft	**Latitude:**	40° 6' 16.920 N
	+E/-W	1,311.1 ft	**Easting:**	2,056,306.02 ft	**Longitude:**	110° 0' 47.050 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,237.0 ft	**Ground Level:**	5,225.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/3/2012	11.11	65.82	52,167

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	134.56

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	
1,233.3	9.50	134.56	1,230.4	-36.8	37.3	1.50	1.50	21.25	134.56	
5,577.5	9.50	134.56	5,515.0	-539.8	548.2	0.00	0.00	0.00	0.00	M-21-8-17 TGT
6,561.0	9.50	134.56	6,485.0	-653.7	663.8	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 M-21-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	**North Reference:**	True
Well:	M-21-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	134.56	700.0	-0.9	0.9	1.3	1.50	1.50	0.00
800.0	3.00	134.56	799.9	-3.7	3.7	5.2	1.50	1.50	0.00
900.0	4.50	134.56	899.7	-8.3	8.4	11.8	1.50	1.50	0.00
1,000.0	6.00	134.56	999.3	-14.7	14.9	20.9	1.50	1.50	0.00
1,100.0	7.50	134.56	1,098.6	-22.9	23.3	32.7	1.50	1.50	0.00
1,200.0	9.00	134.56	1,197.5	-33.0	33.5	47.0	1.50	1.50	0.00
1,233.3	9.50	134.56	1,230.4	-36.8	37.3	52.4	1.50	1.50	0.00
1,300.0	9.50	134.56	1,296.2	-44.5	45.2	63.4	0.00	0.00	0.00
1,400.0	9.50	134.56	1,394.8	-56.1	56.9	79.9	0.00	0.00	0.00
1,500.0	9.50	134.56	1,493.4	-67.6	68.7	96.4	0.00	0.00	0.00
1,600.0	9.50	134.56	1,592.1	-79.2	80.4	112.9	0.00	0.00	0.00
1,700.0	9.50	134.56	1,690.7	-90.8	92.2	129.4	0.00	0.00	0.00
1,800.0	9.50	134.56	1,789.3	-102.4	104.0	145.9	0.00	0.00	0.00
1,900.0	9.50	134.56	1,888.0	-114.0	115.7	162.4	0.00	0.00	0.00
2,000.0	9.50	134.56	1,986.6	-125.5	127.5	178.9	0.00	0.00	0.00
2,100.0	9.50	134.56	2,085.2	-137.1	139.2	195.4	0.00	0.00	0.00
2,200.0	9.50	134.56	2,183.8	-148.7	151.0	211.9	0.00	0.00	0.00
2,300.0	9.50	134.56	2,282.5	-160.3	162.8	228.4	0.00	0.00	0.00
2,400.0	9.50	134.56	2,381.1	-171.9	174.5	244.9	0.00	0.00	0.00
2,500.0	9.50	134.56	2,479.7	-183.4	186.3	261.4	0.00	0.00	0.00
2,600.0	9.50	134.56	2,578.4	-195.0	198.0	277.9	0.00	0.00	0.00
2,700.0	9.50	134.56	2,677.0	-206.6	209.8	294.4	0.00	0.00	0.00
2,800.0	9.50	134.56	2,775.6	-218.2	221.6	310.9	0.00	0.00	0.00
2,900.0	9.50	134.56	2,874.2	-229.8	233.3	327.4	0.00	0.00	0.00
3,000.0	9.50	134.56	2,972.9	-241.3	245.1	344.0	0.00	0.00	0.00
3,100.0	9.50	134.56	3,071.5	-252.9	256.8	360.5	0.00	0.00	0.00
3,200.0	9.50	134.56	3,170.1	-264.5	268.6	377.0	0.00	0.00	0.00
3,300.0	9.50	134.56	3,268.8	-276.1	280.3	393.5	0.00	0.00	0.00
3,400.0	9.50	134.56	3,367.4	-287.7	292.1	410.0	0.00	0.00	0.00
3,500.0	9.50	134.56	3,466.0	-299.2	303.9	426.5	0.00	0.00	0.00
3,600.0	9.50	134.56	3,564.6	-310.8	315.6	443.0	0.00	0.00	0.00
3,700.0	9.50	134.56	3,663.3	-322.4	327.4	459.5	0.00	0.00	0.00
3,800.0	9.50	134.56	3,761.9	-334.0	339.1	476.0	0.00	0.00	0.00
3,900.0	9.50	134.56	3,860.5	-345.6	350.9	492.5	0.00	0.00	0.00
4,000.0	9.50	134.56	3,959.2	-357.1	362.7	509.0	0.00	0.00	0.00
4,100.0	9.50	134.56	4,057.8	-368.7	374.4	525.5	0.00	0.00	0.00
4,200.0	9.50	134.56	4,156.4	-380.3	386.2	542.0	0.00	0.00	0.00
4,300.0	9.50	134.56	4,255.0	-391.9	397.9	558.5	0.00	0.00	0.00
4,400.0	9.50	134.56	4,353.7	-403.5	409.7	575.0	0.00	0.00	0.00
4,500.0	9.50	134.56	4,452.3	-415.0	421.5	591.5	0.00	0.00	0.00
4,600.0	9.50	134.56	4,550.9	-426.6	433.2	608.0	0.00	0.00	0.00
4,700.0	9.50	134.56	4,649.6	-438.2	445.0	624.5	0.00	0.00	0.00
4,800.0	9.50	134.56	4,748.2	-449.8	456.7	641.0	0.00	0.00	0.00
4,900.0	9.50	134.56	4,846.8	-461.4	468.5	657.5	0.00	0.00	0.00
5,000.0	9.50	134.56	4,945.5	-472.9	480.3	674.0	0.00	0.00	0.00
5,100.0	9.50	134.56	5,044.1	-484.5	492.0	690.5	0.00	0.00	0.00
5,200.0	9.50	134.56	5,142.7	-496.1	503.8	707.0	0.00	0.00	0.00

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NEWFIELD

Payzone Directional

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well M-21-8-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	M-21-8-17 @ 5237.0ft (Original Well Elev)
Site:	SECTION 21 T8S, R17E	**North Reference:**	True
Well:	M-21-8-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	9.50	134.56	5,241.3	-507.7	515.5	723.5	0.00	0.00	0.00
5,400.0	9.50	134.56	5,340.0	-519.3	527.3	740.0	0.00	0.00	0.00
5,500.0	9.50	134.56	5,438.6	-530.8	539.1	756.5	0.00	0.00	0.00
5,577.5	9.50	134.56	5,515.0	-539.8	548.2	769.3	0.00	0.00	0.00
5,600.0	9.50	134.56	5,537.2	-542.4	550.8	773.0	0.00	0.00	0.00
5,700.0	9.50	134.56	5,635.9	-554.0	562.6	789.6	0.00	0.00	0.00
5,800.0	9.50	134.56	5,734.5	-565.6	574.3	806.1	0.00	0.00	0.00
5,900.0	9.50	134.56	5,833.1	-577.2	586.1	822.6	0.00	0.00	0.00
6,000.0	9.50	134.56	5,931.7	-588.7	597.8	839.1	0.00	0.00	0.00
6,100.0	9.50	134.56	6,030.4	-600.3	609.6	855.6	0.00	0.00	0.00
6,200.0	9.50	134.56	6,129.0	-611.9	621.4	872.1	0.00	0.00	0.00
6,300.0	9.50	134.56	6,227.6	-623.5	633.1	888.6	0.00	0.00	0.00
6,400.0	9.50	134.56	6,326.3	-635.1	644.9	905.1	0.00	0.00	0.00
6,500.0	9.50	134.56	6,424.9	-646.6	656.6	921.6	0.00	0.00	0.00
6,561.0	9.50	134.56	6,485.0	-653.7	663.8	931.6	0.00	0.00	0.00

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API Well Number: 43013526620000

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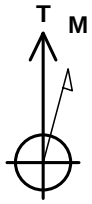
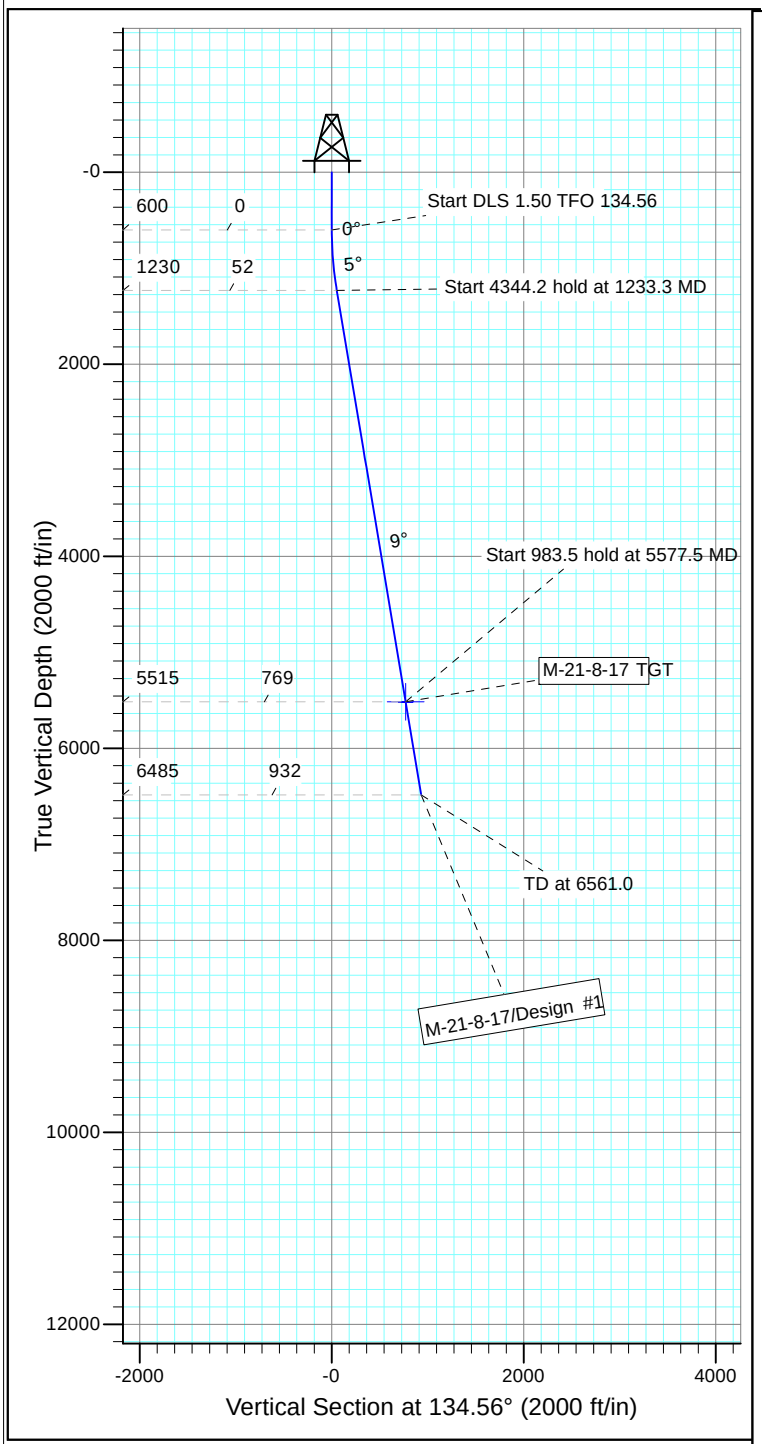
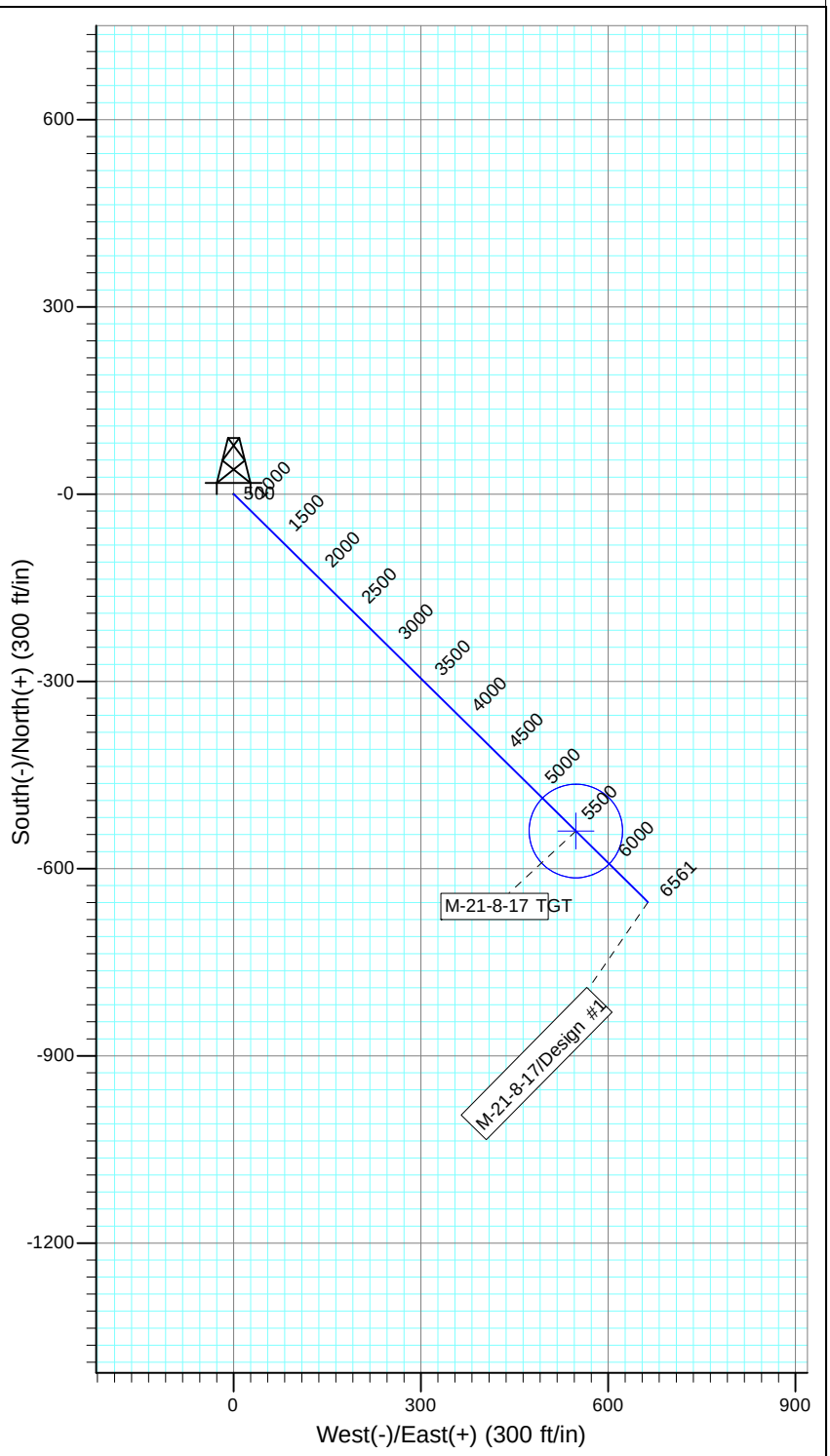
Project: USGS Myton SW (UT)
Site: SECTION 21 T8S, R17E
Well: M-21-8-17
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.11°

Magnetic Field
Strength: 52166.9snT
Dip Angle: 65.82°
Date: 12/3/2012
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
M-21-8-17 TGT	5515.0	-539.8	548.2	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	1233.3	9.50	134.56	1230.4	-36.8	37.3	1.50	134.56	52.4	
4	5577.5	9.50	134.56	5515.0	-539.8	548.2	0.00	0.00	769.3	M-21-8-17 TGT
5	6561.0	9.50	134.56	6485.0	-653.7	663.8	0.00	0.00	931.6	

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

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

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed M-21-8-17E and N-21-8-17E wells with a surface location to be positioned in the SENW of Section 21, Township 8 South, Range 17 East, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Jeremy and Jennifer Price, whose address is Route 3, Box 3720, Myton, UT 84052 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated May 16, 2013 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 7th day of November, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

MARY KATHRYN PORTUS
Notary Public
State of Colorado
Notary ID 19934001921
My Commission Expires Feb 15, 2017

NEWFIELD PRODUCTION COMPANY
GMBU M-21-8-17
AT SURFACE: SE/NW SECTION 21, T8S R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU M-21-8-17 located in the SE 1/4 NW 1/4 Section 21, T8S, R17E, 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 – 6.9 miles ± to it's junction with an existing road to the east; proceed in a easterly direction – 2.4 miles ± to it's junction with the beginning of the access road to the existing 6-21-8-17 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 6-21-8-17 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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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

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

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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*** – Jeremy Price.

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 E Miller, Report dated 9/25/13.

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.

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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 M-21-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU M-21-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

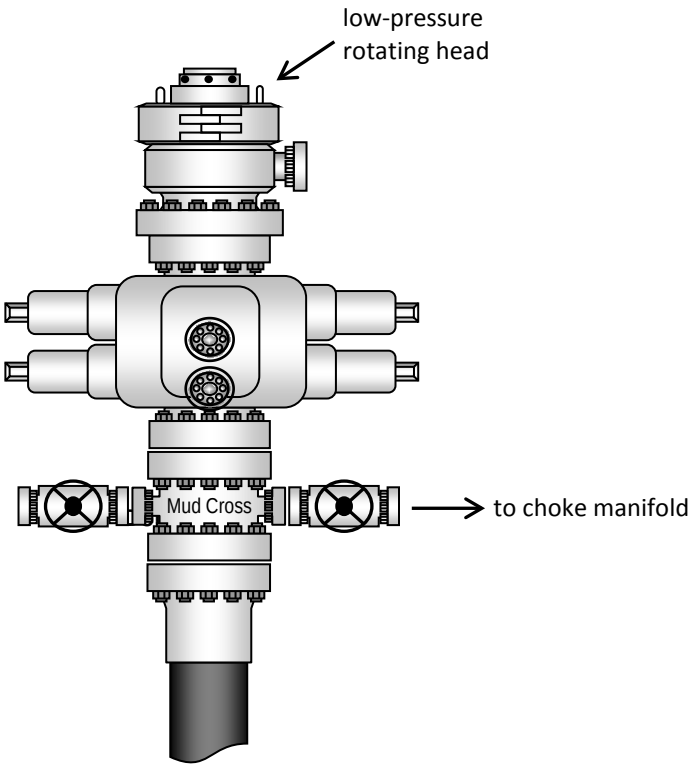
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will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

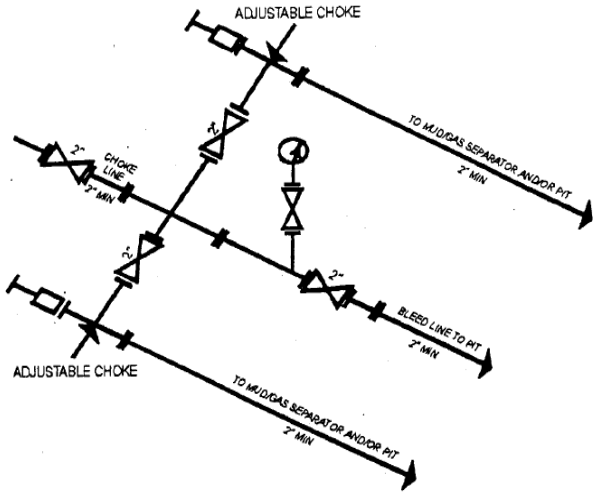
11/6/13
Date

Heather Calder
Regulatory Technician
Newfield Production Company

RECEIVED: November 07, 2013

Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

EXISTING 6-21-8-17 PAD

PROPOSED WELLS: N-21-8-17 AND M-21-8-17

Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.

N

TOP HOLE FOOTAGES

N-21-8-17
2182' FNL & 2178' FWL

M-21-8-17
2201' FNL & 2187' FWL

CENTER OF PATTERN FOOTAGES

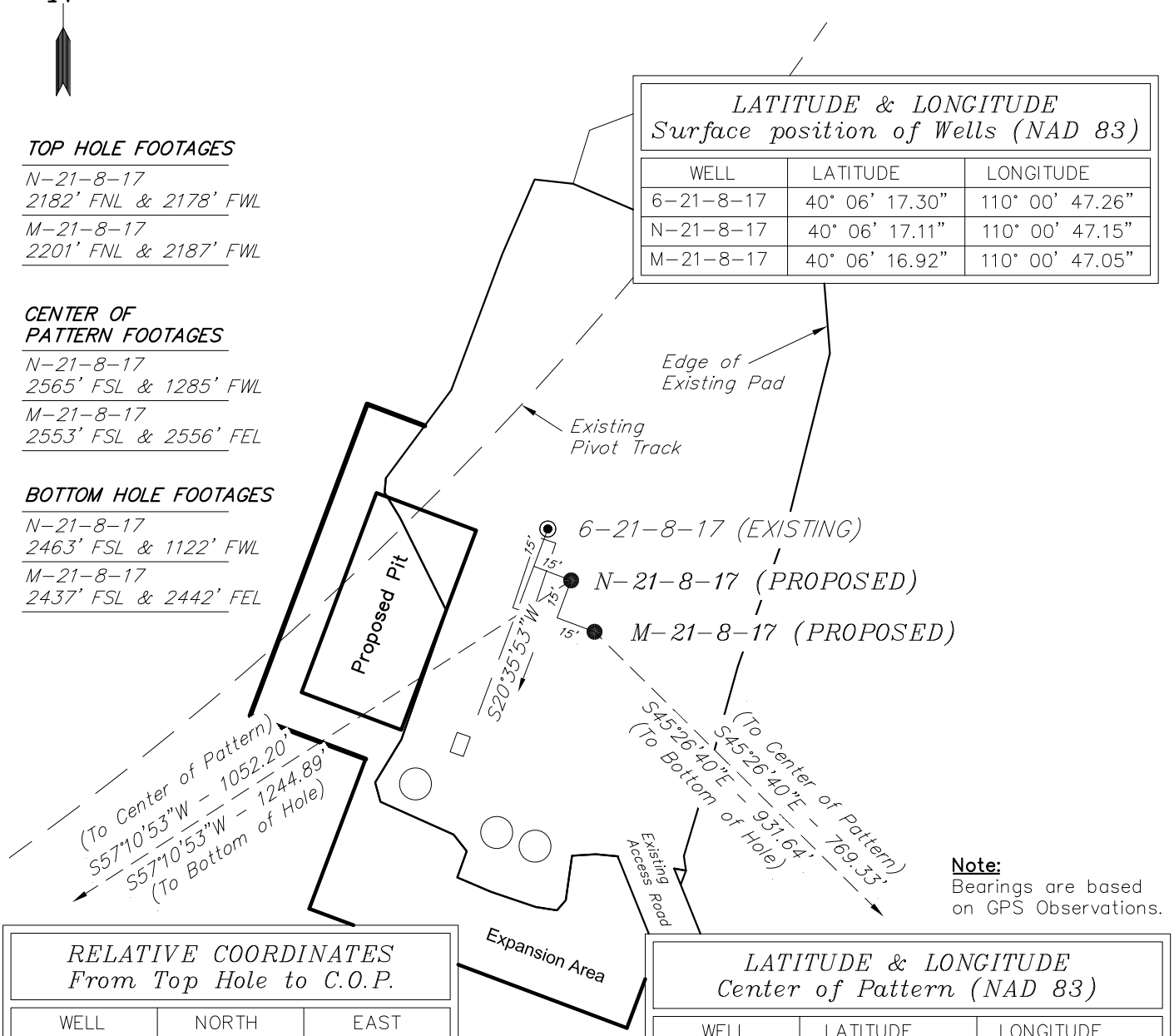
N-21-8-17
2565' FSL & 1285' FWL

M-21-8-17
2553' FSL & 2556' FEL

BOTTOM HOLE FOOTAGES

N-21-8-17
2463' FSL & 1122' FWL

M-21-8-17
2437' FSL & 2442' FEL



Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
6-21-8-17	40° 06' 17.30"	110° 00' 47.26"
N-21-8-17	40° 06' 17.11"	110° 00' 47.15"
M-21-8-17	40° 06' 16.92"	110° 00' 47.05"

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

WELL	NORTH	EAST
N-21-8-17	-570'	-884'
M-21-8-17	-540'	548

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
N-21-8-17	40° 06' 11.62"	110° 00' 58.65"
M-21-8-17	40° 06' 11.50"	110° 00' 40.11"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
N-21-8-17	-675'	-1046'
M-21-8-17	-654'	664

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

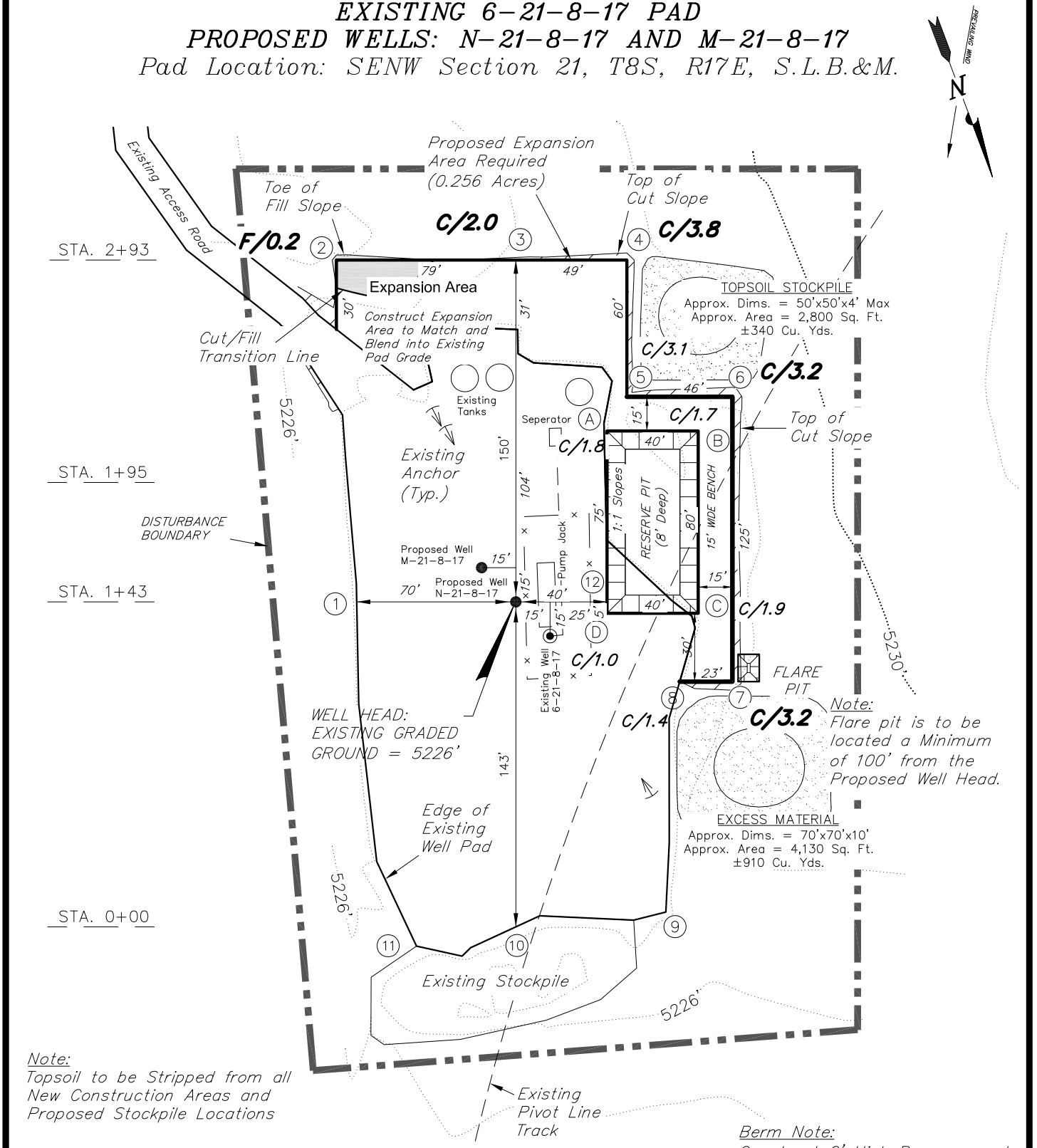
WELL	LATITUDE	LONGITUDE
N-21-8-17	40° 06' 10.62"	110° 01' 00.76"
M-21-8-17	40° 06' 10.35"	110° 00' 38.65"

SURVEYED BY: W.H.	DATE SURVEYED: 02-29-2	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT
EXISTING 6-21-8-17 PAD
PROPOSED WELLS: N-21-8-17 AND M-21-8-17
Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,250 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.

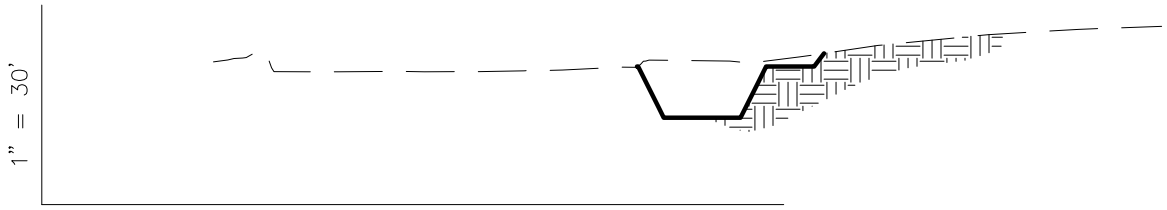
SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: November 07, 2013

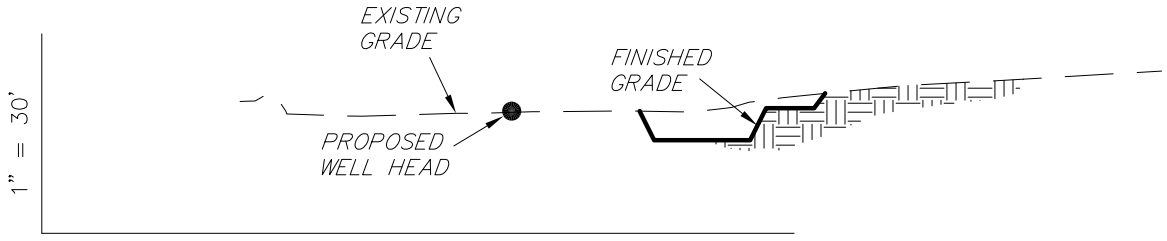
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS
EXISTING 6-21-8-17 PAD
PROPOSED WELLS: N-21-8-17 AND M-21-8-17
Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.

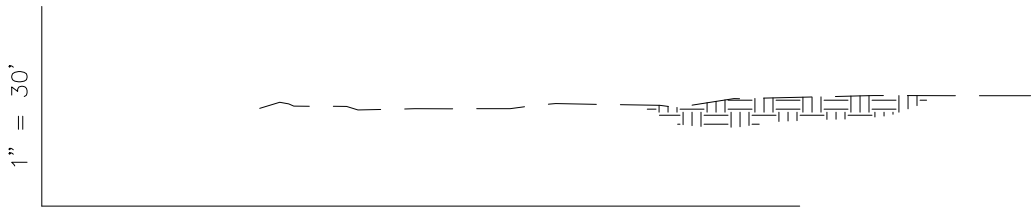
STA. 2+93



STA. 1+95



STA. 1+43



STA. 0+00

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	190	50	Topsoil is not included in Pad Cut	140
PIT	690	0		690
TOTALS	880	50	310	830

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

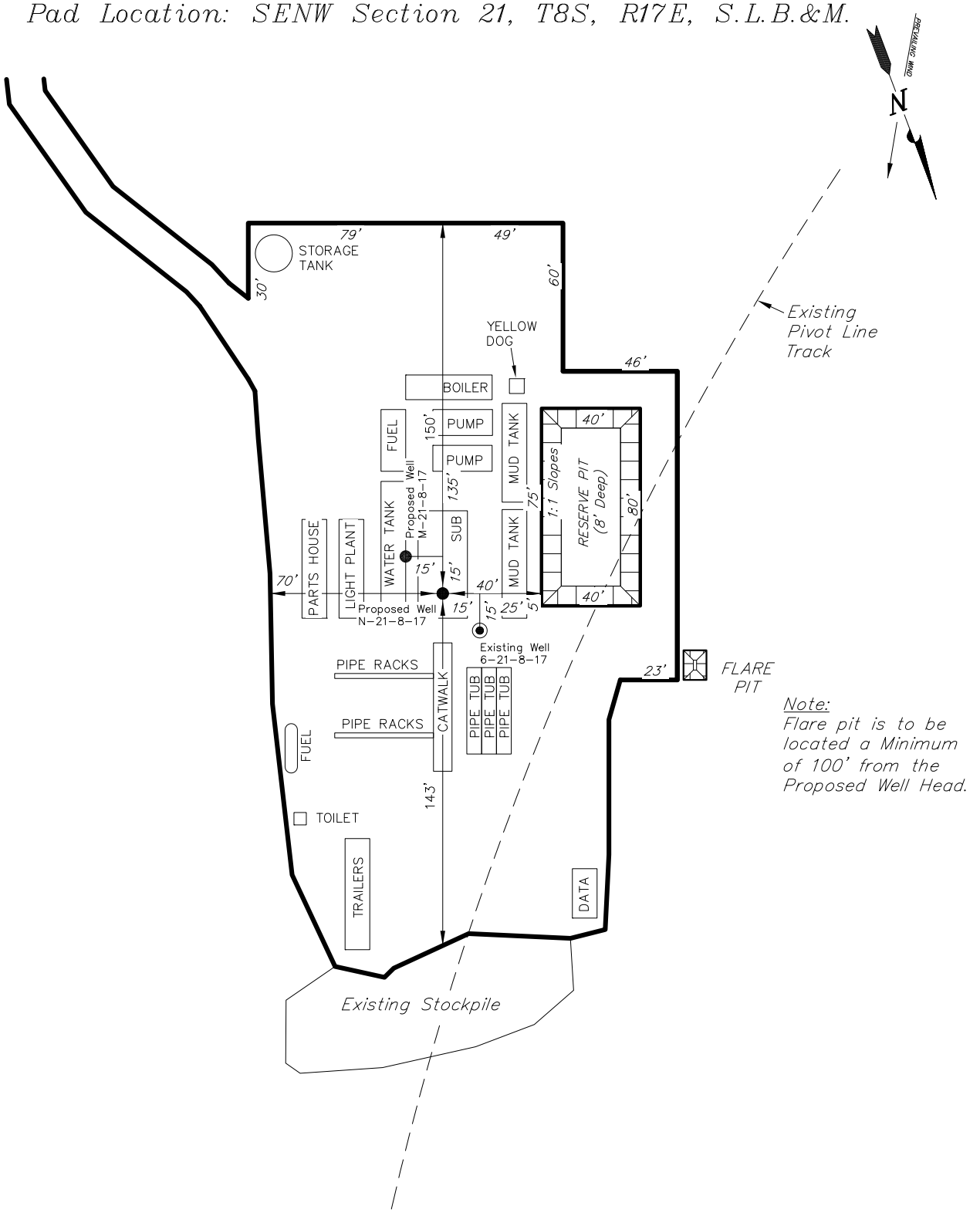
SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: November 07, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT
EXISTING 6-21-8-17 PAD
PROPOSED WELLS: N-21-8-17 AND M-21-8-17

Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.



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

SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: November 07, 2013

API Well Number: 43013526620000

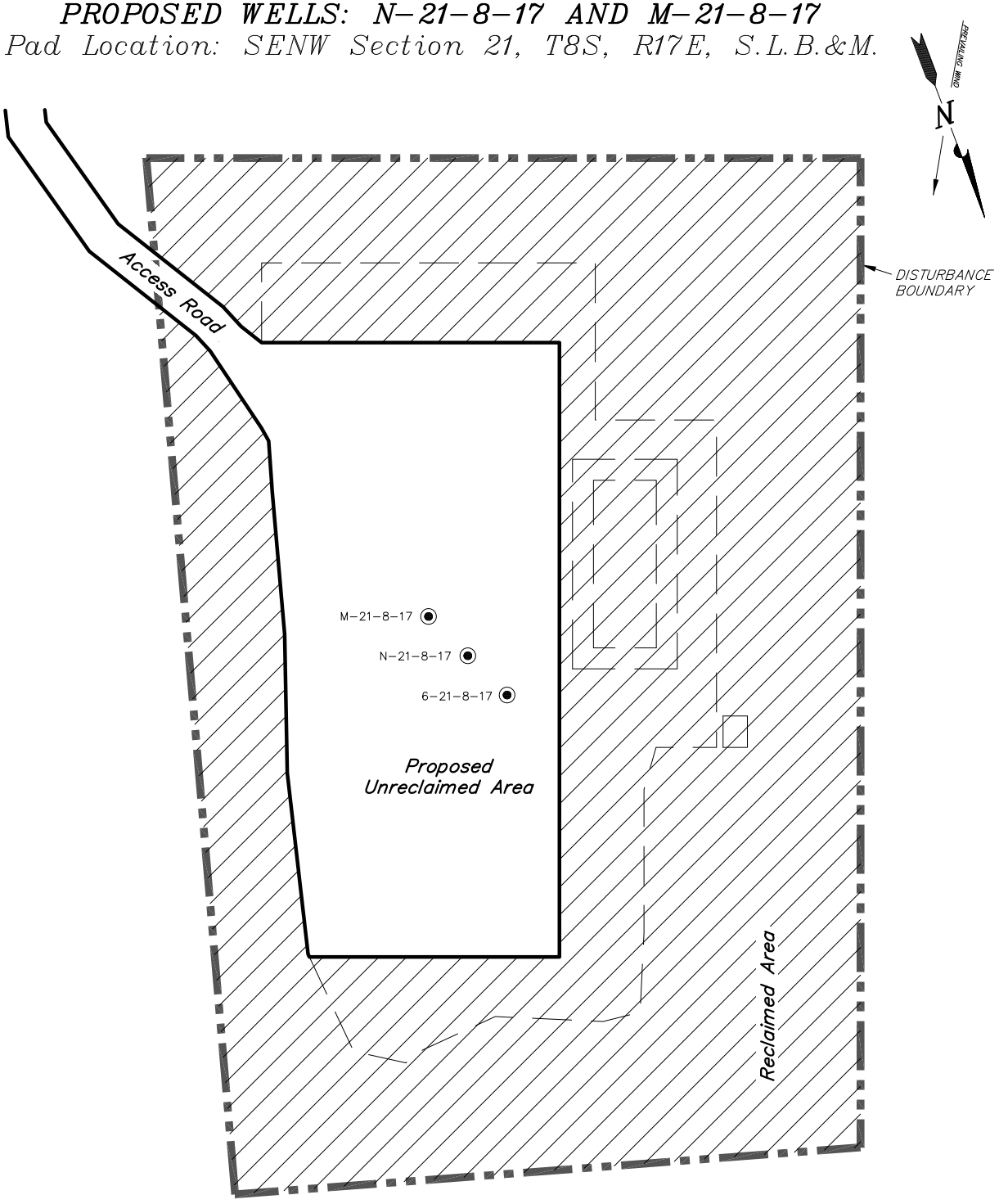
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

EXISTING 6-21-8-17 PAD

PROPOSED WELLS: N-21-8-17 AND M-21-8-17

Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.



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

DISTURBED AREA:

TOTAL DISTURBED AREA = ±2.27 ACRES
TOTAL RECLAIMED AREA = ±1.76 ACRES
UNRECLAIMED AREA = ±0.51 ACRES

SURVEYED BY: W.H.	DATE SURVEYED: 02-29-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: November 07, 2013

API Well Number: 43013526620000

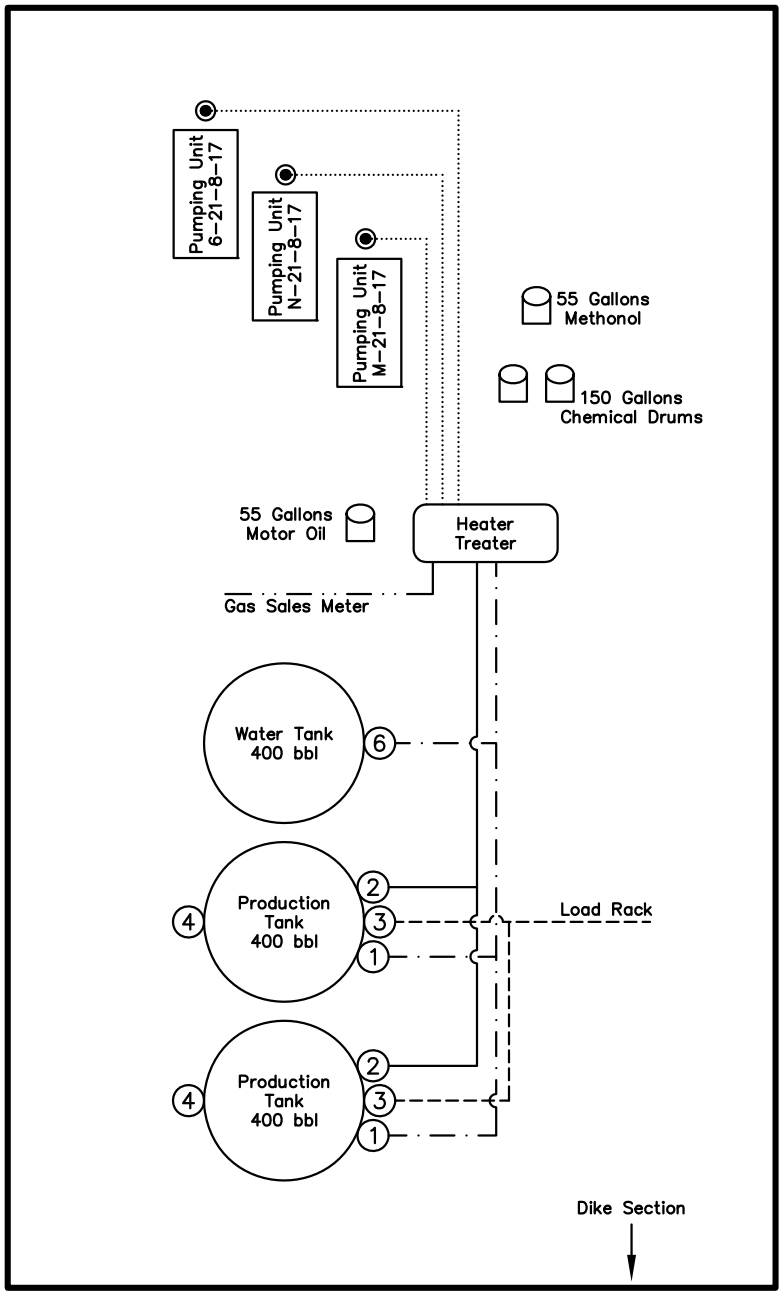
NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

EXISTING 6-21-8-17 PAD

6-21-8-17 UTU-76954
N-21-8-17 UTU-76954
M-21-8-17 UTU-76954

Pad Location: SENW Section 21, T8S, R17E, S.L.B.&M.
Duchesne County, Utah



Legend

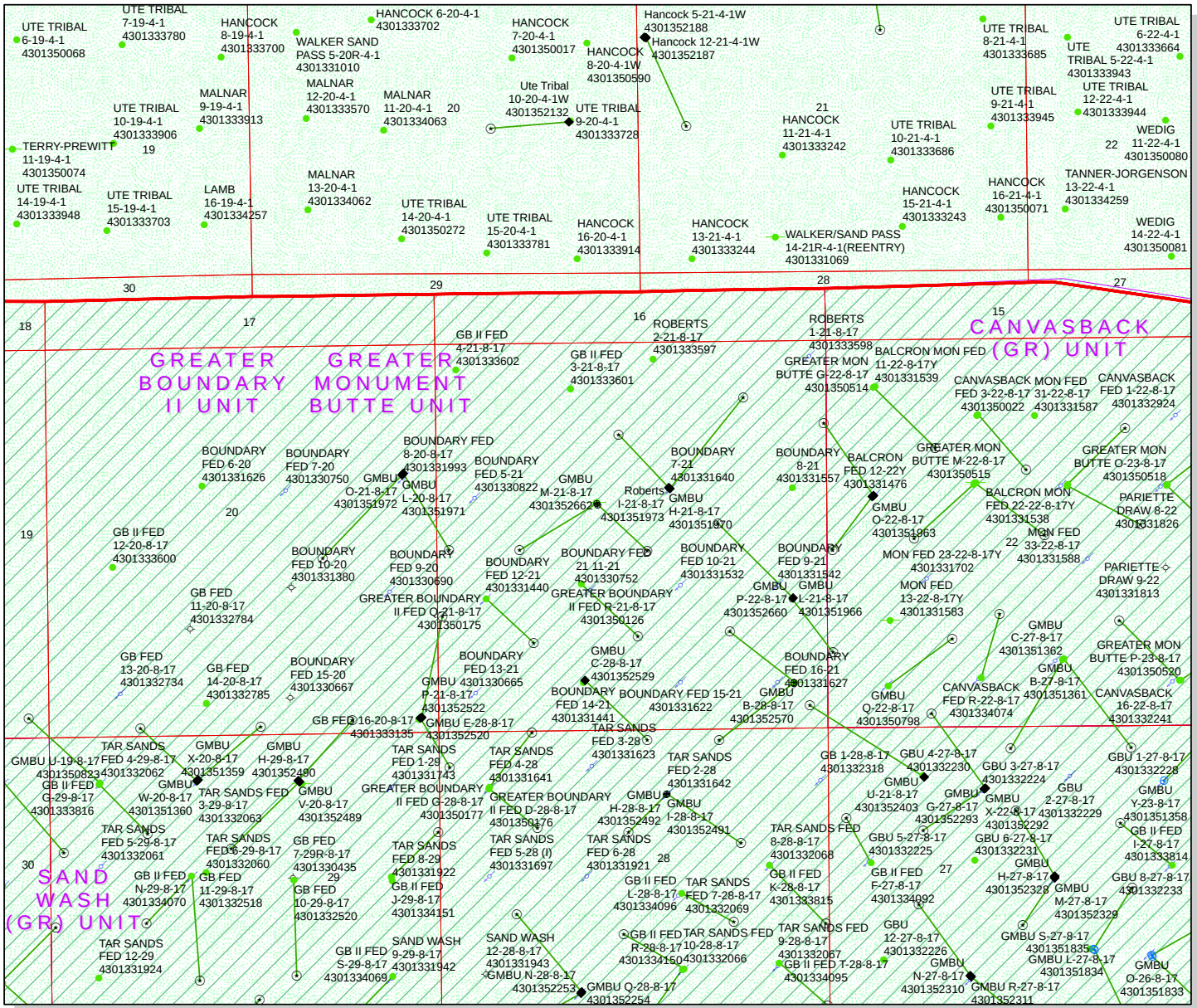
- Emulsion Line
- Load Rack
- Water Line
- Gas Sales
- Oil Line

NOT TO SCALE

SURVEYED BY:	W.H.	DATE SURVEYED:	02-29-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	M.W.	DATE DRAWN:	08-07-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	NONE	REVISED:			

RECEIVED: November 07, 2013

API Well Number: 43013526620000



API Number: 4301352662

Well Name: GMBU M-21-8-17

Township: T08.0S Range: R17.0E Section: 21 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 11/13/2013
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: November 13, 2013

NEWFIELD

VIA ELECTRONIC DELIVERY

November 15, 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 M-21-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 21: SENW (UTU-76954)
2201' FNL 2187' FWL

At Target: T8S-R17E Section 21: NWSE (UTU-76954)
2437' FSL 2442' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 11/12/13, 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: 43013526620000

Form 3160-3
(August 2007)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU76954

6. If Indian, Allottee or Tribe Name:

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.: GMBU

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: GMBU M-21-8-17

2. Name of Operator: NEWFIELD EXPLORATION
Contact: HEATHER CALDER
E-Mail: hcalder@newfield.com

9. API Well No.:

3a. Address: ROUTE 3 BOX 3630
MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-646-4936
Fx: 435-646-3031

10. Field and Pool, or Exploratory: MONUMENT BUTTE

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: SENW 2201FNL 2187FWL

At proposed prod. zone: NWSE 2437FSL 2442FEL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec 21 T8S R17E Mer SLB

14. Distance in miles and direction from nearest town or post office*: 10.7 MILES SOUTH OF MYTON, UT

12. County or Parish: DUCHESNE

13. State: UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 2437'

16. No. of Acres in Lease: 1561.00

17. Spacing Unit dedicated to this well: 20.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.: 1213'

19. Proposed Depth: 6561 MD
6485 TVD

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KB, RT, GL, etc.): 5226 GL

22. Approximate date work will start: 04/01/2014

23. Estimated duration: 7 DAYS

24. Attachments

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

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

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	HEATHER CALDER Ph: 435-646-4936	11/12/2013

Title: REGULATORY TECHNICIAN

Approved by (Signature)	Name (Printed/Typed)	Date

Title	Office

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

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

Additional Operator Remarks (see next page)

Electronic Submission #226402 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal

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

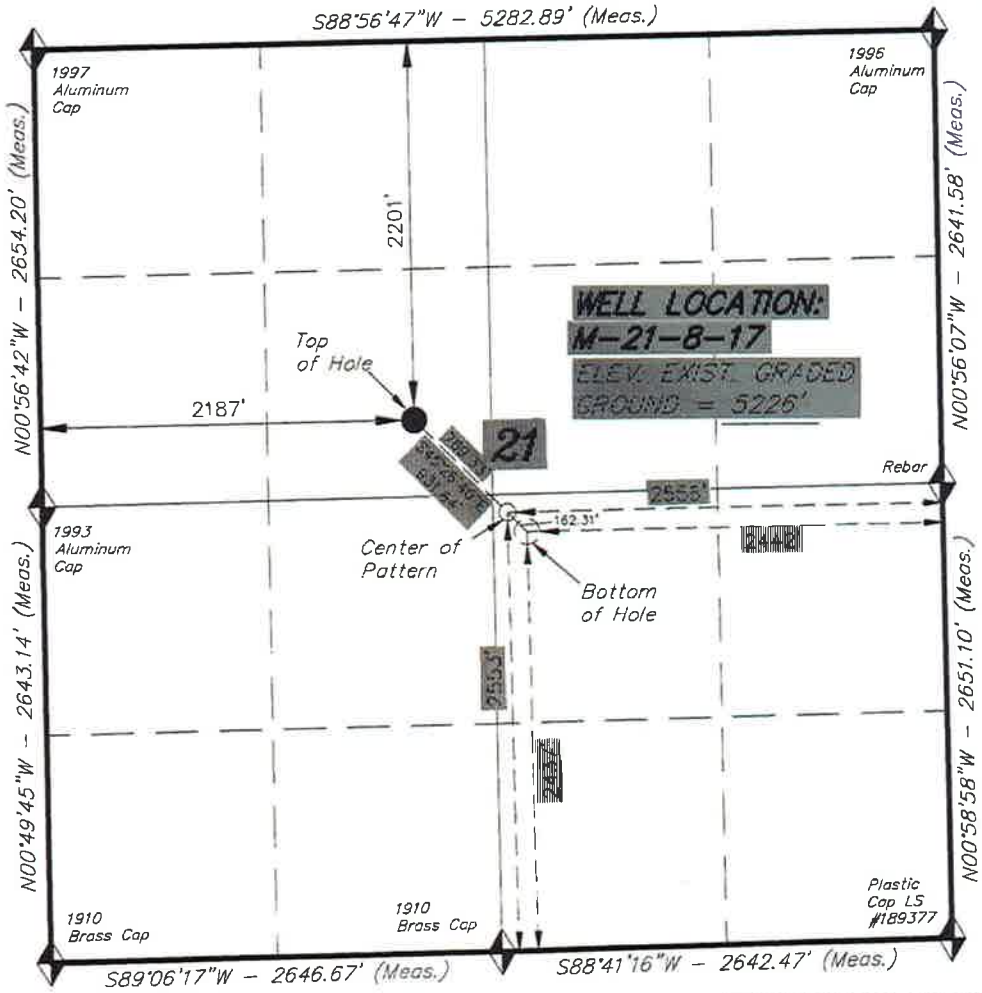
API Well Number: 43013526620000

Additional Operator Remarks:

SURFACE HOLE LEASE:UTU76954
SURFACE IS FEE AND OWNED BY JEREMY AND JENNIFER PRICE.)
BOTTOM HOLE LEASE:UTU76954

API Well Number: 43013526620000

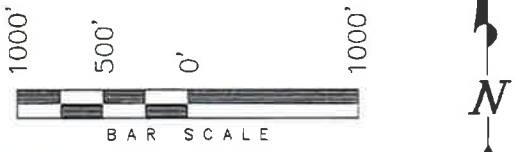
T8S, R17E, S.L.B.&M.



NEWFIELD EXPLORATION COMPANY

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

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



NOTES:

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*

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 08-07-13 STACY W. STEWART REGISTERED LAND SURVEYOR REGISTRATION NO. 189377 STATE OF UTAH

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°06'16.92"	LONGITUDE = 110°00'47.05"
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'17.06"	LONGITUDE = 110°00'44.51"
NAD 83 (CENTER OF PATTERN)	**NAD 83 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°06'11.50"	LONGITUDE = 110°00'40.11"
LATITUDE = 40°06'10.35"	LONGITUDE = 110°00'38.65"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°06'11.64"	LONGITUDE = 110°00'37.57"
LATITUDE = 40°06'10.49"	LONGITUDE = 110°00'36.11"

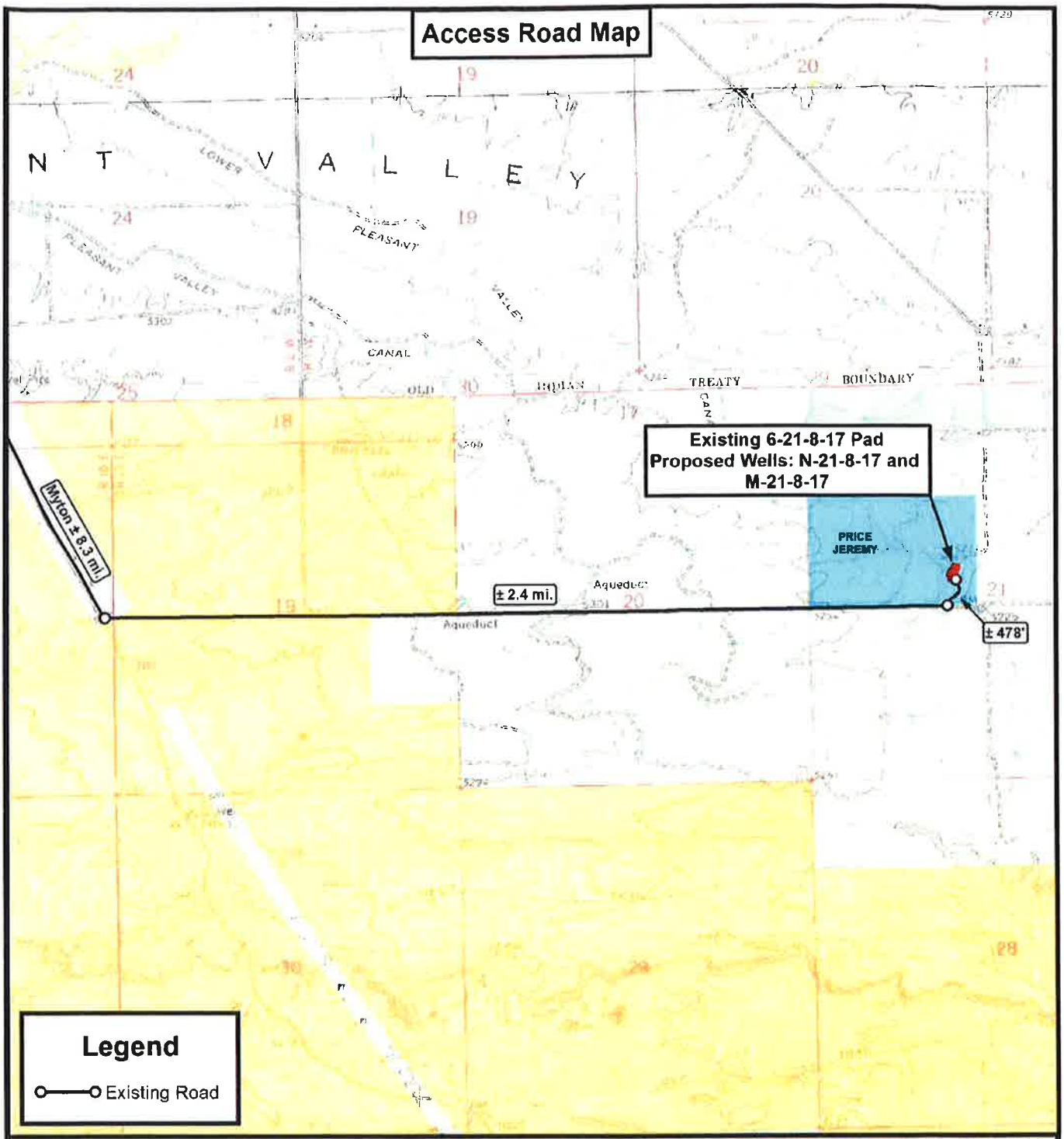
TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 02-29-12	SURVEYED BY: W.H.	VERSION:
DATE DRAWN: 08-07-13	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

API Well Number: 43013526620000

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.

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 6-21-8-17 Pad
Proposed Wells: N-21-8-17 and M-21-8-17
Sec. 21, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	08-09-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:
3160
(UT-922)

November 18, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

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

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

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

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

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

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.11.18 10:01:01 -07'00'

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

MCoulthard:mc:11-18-13

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU M-21-8-17
API Number 43013526620000 **APD No** 9023 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 21 **Tw** 8.0S **Rng** 17.0E 2201 FNL 2187 FWL
GPS Coord (UTM) 584116 4439844 **Surface Owner** Jeremy and Jennifer Price

Participants

Corie Miller _ NFX

Regional/Local Setting & Topography

This location is one of two new wells proposed on an existing pad
Host well is the M-16-8-17
Location sits just north of the tower road in Pleasant Valley. Surface owner, Price family, keeps cattle in a fenced pasture area surrounding the well. Previous conversations lead me to believe that the pad is supposed to be fenced for the protection of the cattle. I have on occasion visited with Shon Mc Kinnon - NFx about this error where I was assured that a fence would soon be constructed. Most of the existing pad looks to have been reclaimed and feed for the cattle have grown back in. It looks like the surface will need to once again be disturbed for drilling of the new wells. Perhaps the fencing and a berm will be in order upon completion

Surface Use Plan

Current Surface Use
Agricultural
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 N

Flora / Fauna

developed cultivated cattle pasture

Soil Type and Characteristics

cultivated soils

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

RECEIVED: December 10, 2013

API Well Number: 43013526620000

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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)	25 to 75	15	
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	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	75	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

Brad
New well on existing location

Chris Jensen	11/19/2013
Evaluator	**Date / Time**

RECEIVED: December 10, 2013

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
9023	43013526620000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**	Jeremy and Jennifer Price	
Well Name	GMBU M-21-8-17		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	SENW 21 8S 17E S 2201 FNL 2187 FWL GPS Coord (UTM) 584119E 4439839N				

Geologic Statement of Basis

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

Brad Hill — **APD Evaluator**

12/10/2013 — **Date / Time**

Surface Statement of Basis

Location is proposed in a good location inside a cattle pasture. Acess road enters the pad from the South off of Tower road. The landowner and its representative was not in attendance for the pre-site inspection.
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. Plans lack measures for importing materials, using a geogrid or compacting native soils to improve stability. Deep fill slopes are planned under areas planned to support a bank of storage tanks, a reserve pit or the drilling rig. Operator has not submitted plans for the protection of slopes. Corner A of the reserve pit is planned in 4 feet of fill. For this reason I have asked for a felt subliner.
I quickly recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area 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. Fencing to keep cattle away mfrom machinery will be needed

Chris Jensen — **Onsite Evaluator**

11/19/2013 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

RECEIVED: December 10, 2013

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	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: December 10, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/7/2013 **API NO. ASSIGNED:** 43013526620000
WELL NAME: GMBU M-21-8-17
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4936
CONTACT: Heather Calder

PROPOSED LOCATION: SENW 21 080S 170E **Permit Tech Review:** ☑
SURFACE: 2201 FNL 2187 FWL **Engineering Review:** ☐
BOTTOM: 2437 FSL 2442 FEL **Geology Review:** ☑
COUNTY: DUCHESNE
LATITUDE: 40.10465 **LONGITUDE:** -110.01304
UTM SURF EASTINGS: 584119.00 **NORTHINGS:** 4439839.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-76954 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

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

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:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
27 - Other - bhill

RECEIVED: December 10, 2013

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 M-21-8-17
API Well Number: 43013526620000
Lease Number: UTU-76954
Surface Owner: FEE (PRIVATE)
Approval Date: 12/10/2013

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

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

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

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

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

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

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).

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the

following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:

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

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

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED
NOV 14 2013
BLM

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU76954
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. GMBU
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. GMBU M-21-8-17
2. Name of Operator NEWFIELD EXPLORATION — Contact: HEATHER CALDER, E-Mail: hcalder@newfield.com	9. API Well No. 43013526062
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052 — 3b. Phone No. (include area code) Ph: 435-646-4936 Fx: 435-646-3031	10. Field and Pool, or Exploratory MONUMENT BUTTE
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SENW 2201FNL 2187FWL; At proposed prod. zone NWSE 2437FSL 2442FEL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T8S R17E Mer SLB
14. Distance in miles and direction from nearest town or post office* 10.7 MILES SOUTH OF MYTON, UT	12. County or Parish DUCHESNE — 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2437' — 16. No. of Acres in Lease 1561.00	17. Spacing Unit dedicated to this well 20.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1213' — 19. Proposed Depth 6561 MD 6485 TVD	20. BLM/BIA Bond No. on file WYB000493 RECEIVED
21. Elevations (Show whether DF, KB, RT, GL, etc. 5226 GL — 22. Approximate date work will start 04/01/2014	23. Estimated duration 7 DAYS JUN 20 2014

24. Attachments

DIV. OF OIL, GAS & MINING

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) HEATHER CALDER Ph: 435-646-4936	Date 11/12/2013
Title REGULATORY TECHNICIAN		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date MAY 22 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

Electronic Submission #226402 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE BUHLER on 11/15/2013 ()

NOTICE OF APPROVAL

UDOGM

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

4CRB2483AE

NBS 11/15/13

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**SENW, Sec. 21, T8S, R17E**
Well No:	**GMBU M-21-8-17**	**Lease No:**	**UTU-76954**
API No:	**43-013-52662**	**Agreement:**	

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

STIPULATIONS / CONDITIONS OF APPROVAL

Company/Operator:	Newfield Production Company
Well Name & Number:	GMBU M-21-8-17 and N-21-8-17
Host Location:	6-21-8-17

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

1. The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a service approved location is best.

2. If the pump head is located in the river channel the following stipulations apply:
   a. Do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes.

   b. Limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 1).

   c. Limit the amount of pumping, to the greatest extent possible, during the midnight hours (10pm to 2 am), as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.

3. Screen all pump intakes with 3/32" mesh material.

4. Approach velocities for intake structures should follow the National Marine Fisheries Service's document "fish screening criteria for anadromous salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity should not exceed 0.33 feet per second (ft/s).

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

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

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Telemetry will be installed to remotely monitor and control production.
- When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO_2 National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas–fired drill rigs, installation of NO_X controls, time/use restrictions, and/or drill rig spacing.
- Green completions will be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the, authorized officer.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

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

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954

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 M-21-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013526620000

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: 2201 FNL 2187 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 21 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/10/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ 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
November 10, 2014
Oil, Gas and Mining

Date: November 10, 2014

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE		**DATE**
N/A		11/5/2014

RECEIVED: Nov. 05, 2014

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 43013526620000

API: 43013526620000
Well Name: GMBU M-21-8-17
Location: 2201 FNL 2187 FWL QTR SENW SEC 21 TWNP 080S RNG 170E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 12/10/2013

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

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

Signature: Mandie Crozier **Date:** 11/5/2014
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 05, 2014

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954

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 M-21-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013526620000

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: 2201 FNL 2187 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 21 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SPUD REPORT Date of Spud: 12/9/2014	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ 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
	☐ 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.

On 12/9/14 Drill and set 9' of 14" conductor. Drill f/9' to 331' KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" 24# J-55 casing set depth 320'KB. On 12/10/14 Cement w/Halliburton; 155 sx of 15.8# 1.19 yield G Neat cement. Returned 5 bbl to surface and bumped plug to 500 psi.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian
SIGNATURE N/A		**DATE** 12/15/2014

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
GMBU M-21-8-17	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013526620000	SWNE 2201 FNL 2187 FWL Sec 21 T8S R17E	GMBU CTB7	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376457	Duchesne	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	20	12/9/2014	12/9/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	20	12/9/2014	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Condcutor	14	13.500	36.75	H-40	Welded	1	9.00	11.0	20.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: Dec. 15, 2014

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
GMBU M-21-8-17	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013526620000	SWNE 2201 FNL 2187 FWL Sec 21 T8S R17E	GMBU CTB7	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376457	Duchesne	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	11	20	12/9/2014	12/9/2014
Vertical	12 1/4	20	331	12/9/2014	12/9/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	320	12/9/2014	

Centralizers	Scratchers
3	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.10	11.2	13.3			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	41.83	13.3	55.1			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	219.01	55.1	274.1			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	274.1	275.1			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	43.38	275.1	318.5			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	318.5	320.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: Dec. 15, 2014

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 ~~GMU~~ M-21-8-17 GMBU
Qtr/Qtr SE/NW Section 21 Township 8S Range 17E
Lease Serial Number UTU-76954
API Number 43-013-52662

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

Date/Time 12/9/14 8:00 AM ☒ PM ☐

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

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 12/9/14 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 _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Ryan Crum Phone Number 823-7065
Well Name/Number GMBU M-21-8-17
Qtr/Qtr SE/NW Section 21 Township 8S Range 17E
Lease Serial Number UTU-76954
API Number 43-013-52662

TD Notice – TD is the final drilling depth of hole.

Date/Time 12/25/14 9:30 AM ☒ PM ☐

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

☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 12/25/14 7:00 AM ☐ PM ☒

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU76954

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

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: UTU87538X

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: GMBU M-21-8-17

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 43-013-52662

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 2201' FNL 2187' FWL (SE/NW) SEC 21 T8S R17E (UTU-76954)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 21 T8S R17E Mer SLB

At top prod. interval reported below: 2622' FSL 2628' FEL (NW/SE) SEC 21 T8S R17E (UTU-76954)

At total depth: 2398' FSL 2415' FEL (NW/SE) SEC 21 T8S R17E (UTU-76954)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
12/09/2014	12/26/2014	☐ D & A ☑ Ready to Prod. 01/20/2015	5226' GL 5237' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6741' TVD 6658'	MD 6675' TVD	MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	320'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6722'		290 Econocem		0'	
						470Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6571'	TA@6411'						

25. Producing Intervals

Formation	Top	Bottom
A) Green River	4850'	6502'
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
4850' - 6502' MD	0.34	80	

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

Depth Interval	Amount and Type of Material
4850' - 6502' MD	Frac w/ 420,660#s of 20/40 white sand in 3,702 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/20/15	1/30/15	24	→	122	36	150			2.5 x 1.75 x 20 x 22 RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	4296'
				GARDEN GULCH 1	4495'
				GARDEN GULCH 2	4617'
				POINT 3	4899'
				X MRKR	5133'
				Y MRKR	5170'
				DOUGLAS CREEK MRK	5305'
				BI CARBONATE MRK	5587'
				B LIMESTONE MRK	5740'
				CASTLE PEAK	6167'
				BASAL CARBONATE	6568'
				WASATCH	6708'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 02/11/2015

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

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

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

Design: Actual

End of Well Report

05 January, 2015

PAYZONE DIRECTIONAL

NEWFIELD

Payzone Directional
End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well M-21-8-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	**MD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

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 21 T8S, R17E

Site Position:		**Northing:**	7,210,000.00 usft	**Latitude:**	40° 6' 13.990 N
From:	Lat/Long	**Easting:**	2,055,000.00 usft	**Longitude:**	110° 1' 3.925 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.95 °

Well M-21-8-17, SHL: 40 06 16.92, -110 00 47.05

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,210,318.16 usft	**Latitude:**	40° 6' 15.920 N
	+E/-W	0.0 usft	**Easting:**	2,056,306.02 usft	**Longitude:**	110° 0' 47.050 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	5,237.0 usft	**Ground Level:**	5,226.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/16/2014	10.85	65.76	51,966

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	135.70

Survey Program **Date** 1/5/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
378.0	6,741.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well M-21-8-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	**MD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
378.0	0.79	68.42	378.0	1.0	1.0	2.4	0.21	0.21	0.00
408.0	1.01	76.46	408.0	1.2	1.1	2.9	0.84	0.73	26.80
439.0	1.23	72.16	439.0	1.5	1.3	3.5	0.76	0.71	-13.90
470.0	1.23	77.82	470.0	1.8	1.4	4.1	0.39	0.00	18.29
501.0	1.19	93.03	501.0	2.2	1.5	4.7	1.04	-0.13	49.06
531.0	1.10	104.01	531.0	2.7	1.4	5.3	0.79	-0.30	36.60
562.0	0.88	105.38	562.0	3.2	1.3	5.9	0.71	-0.71	4.42
593.0	0.92	117.42	593.0	3.6	1.1	6.3	0.62	0.13	38.84
623.0	0.92	117.42	622.9	4.1	0.9	6.7	0.00	0.00	0.00
654.0	1.32	140.31	653.9	4.7	0.5	7.2	1.91	1.29	73.84
685.0	1.48	139.30	684.9	5.4	-0.1	7.7	0.56	0.35	-3.26
716.0	1.67	142.51	715.9	6.2	-0.7	8.2	0.82	0.77	10.35
746.0	2.11	139.79	745.9	7.2	-1.5	8.8	1.50	1.47	-9.07
777.0	2.37	137.02	776.9	8.4	-2.4	9.6	0.91	0.84	-8.94
808.0	2.55	136.31	807.9	9.8	-3.4	10.5	0.59	0.58	-2.29
839.0	2.77	135.22	838.8	11.2	-4.4	11.5	0.73	0.71	-3.52
869.0	3.11	137.57	868.8	12.8	-5.5	12.6	1.20	1.13	7.83
900.0	3.43	134.91	899.7	14.5	-6.8	13.8	1.14	1.03	-8.58
931.0	3.65	134.88	930.7	16.4	-8.2	15.2	0.71	0.71	-0.16
962.0	3.96	138.89	961.6	18.5	-9.7	16.6	1.29	1.00	12.35
992.0	4.44	139.70	991.5	20.7	-11.3	18.0	1.62	1.60	3.37
1,023.0	4.81	139.83	1,022.4	23.1	-13.2	19.6	0.55	0.55	0.42
1,054.0	4.70	139.57	1,053.3	25.6	-15.1	21.2	0.30	0.29	-0.84
1,100.0	5.27	141.32	1,099.1	29.6	-18.2	23.8	1.28	1.24	3.80
1,146.0	5.80	138.73	1,144.9	34.0	-21.8	26.6	1.27	1.15	-5.63
1,191.0	6.33	140.09	1,189.7	38.8	-25.2	29.7	1.22	1.18	3.02

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well M-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	MD Reference:	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,235.0	6.68	139.30	1,233.4	43.8	-29.0	32.9	0.82	0.80	-1.80
1,281.0	7.08	137.37	1,279.1	49.3	-33.1	36.6	1.00	0.87	-4.20
1,327.0	7.43	135.46	1,324.7	55.1	-37.3	40.6	0.92	0.76	-4.11
1,373.0	8.09	136.97	1,370.3	61.3	-41.8	44.9	1.50	1.43	3.24
1,418.0	8.53	138.90	1,414.8	67.8	-46.6	49.3	1.11	0.98	3.62
1,464.0	8.90	137.31	1,460.3	74.7	-51.8	53.9	0.91	0.80	-2.80
1,510.0	9.23	135.22	1,505.7	82.0	-57.0	58.9	1.01	0.72	-4.54
1,556.0	9.49	134.56	1,551.1	89.5	-62.3	64.2	0.61	0.57	-1.43
1,602.0	9.89	133.37	1,596.4	97.2	-67.7	69.8	0.97	0.87	-2.59
1,647.0	10.26	133.90	1,640.7	105.1	-73.1	75.5	0.89	0.87	1.18
1,693.0	10.72	134.42	1,686.0	113.5	-79.0	81.5	0.98	0.96	1.13
1,739.0	10.83	135.17	1,731.2	122.0	-85.0	87.6	0.36	-0.20	1.63
1,785.0	10.94	136.67	1,776.4	130.6	-91.1	93.6	0.69	0.67	0.87
1,830.0	10.90	135.30	1,820.5	139.1	-97.2	99.6	0.14	-0.09	-0.60
1,876.0	11.06	135.87	1,865.7	147.9	-103.4	105.7	0.42	0.35	1.24
1,922.0	11.25	136.23	1,910.8	156.8	-109.8	111.9	0.44	0.41	0.78
1,968.0	11.34	134.91	1,955.9	165.8	-116.3	118.2	0.60	0.20	-2.87
2,013.0	11.25	134.78	2,000.1	174.6	-122.5	124.5	0.21	-0.20	-0.29
2,059.0	11.21	135.26	2,045.2	183.5	-128.8	130.8	0.22	-0.09	1.04
2,105.0	11.16	133.59	2,090.3	192.5	-135.1	137.2	0.71	-0.11	-3.63
2,151.0	10.72	130.25	2,135.5	201.2	-140.9	143.7	1.68	-0.96	-7.26
2,197.0	10.42	127.57	2,180.7	209.6	-146.2	150.2	1.25	-0.65	-5.83
2,243.0	10.59	126.03	2,225.9	217.8	-151.2	156.9	0.71	0.37	-3.35
2,288.0	10.85	125.59	2,270.1	226.1	-156.1	163.7	0.61	0.58	-0.98
2,334.0	10.94	124.60	2,315.3	234.6	-161.1	170.8	0.38	0.20	-1.72
2,380.0	11.07	124.98	2,360.5	243.3	-166.1	178.0	0.29	0.28	0.39
2,426.0	11.03	128.27	2,405.6	252.0	-171.4	185.1	1.37	-0.09	7.15

NEWFIELD

Payzone Directional
End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well M-21-8-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	**MD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,471.0	10.59	131.60	2,449.8	260.4	-176.8	191.6	1.50	-0.98	6.07
2,517.0	10.63	132.40	2,495.0	268.8	-182.4	197.9	0.57	0.09	3.04
2,563.0	10.37	132.93	2,540.3	277.2	-188.1	204.1	0.60	-0.57	1.15
2,609.0	10.85	133.55	2,585.5	285.8	-193.9	210.3	1.07	1.04	1.35
2,654.0	11.25	132.36	2,629.6	294.2	-199.8	216.6	1.02	0.89	-2.64
2,698.0	11.47	133.50	2,672.8	302.9	-205.7	222.9	0.71	0.50	2.59
2,742.0	11.33	137.56	2,715.9	311.6	-211.9	229.0	1.85	-0.32	9.23
2,788.0	10.85	140.01	2,761.0	320.4	-218.5	234.9	1.46	-1.04	5.33
2,834.0	10.46	141.81	2,806.3	328.9	-225.1	240.2	1.11	-0.85	3.91
2,880.0	10.24	138.91	2,851.5	337.1	-231.5	245.5	1.23	-0.48	-6.30
2,924.0	9.80	142.03	2,894.8	344.8	-237.4	250.4	1.59	-1.00	7.09
2,969.0	9.64	145.76	2,939.2	352.2	-243.5	254.8	1.61	-0.68	8.29
3,013.0	9.67	146.99	2,982.6	359.5	-249.6	258.9	0.55	0.30	2.80
3,059.0	9.54	147.26	3,027.9	367.0	-256.1	263.0	0.30	-0.28	0.59
3,105.0	9.40	146.73	3,073.3	374.4	-262.4	267.2	0.36	-0.30	-1.15
3,151.0	9.23	146.73	3,118.7	381.7	-268.6	271.3	0.37	-0.37	0.00
3,197.0	8.61	144.58	3,164.1	388.7	-274.5	275.3	1.53	-1.35	-4.67
3,242.0	7.69	142.29	3,208.7	395.0	-279.6	279.1	2.17	-2.04	-5.09
3,288.0	7.29	141.24	3,254.3	401.0	-284.4	282.8	0.92	-0.87	-2.28
3,334.0	6.94	142.47	3,299.9	406.7	-288.8	286.3	0.83	-0.76	2.67
3,380.0	7.03	141.50	3,345.6	412.2	-293.2	289.7	0.32	0.20	-2.11
3,425.0	7.57	139.02	3,390.2	417.9	-297.6	293.4	1.39	1.20	-5.51
3,471.0	8.00	137.59	3,435.8	424.2	-302.3	297.5	1.03	0.93	-3.11
3,517.0	8.35	134.69	3,481.3	430.7	-307.0	302.1	1.18	0.76	-6.30
3,561.0	9.45	133.85	3,524.8	437.5	-311.8	307.0	2.52	2.50	-1.91
3,607.0	10.63	134.16	3,570.1	445.5	-317.3	312.7	2.57	2.57	0.67
3,651.0	10.33	133.59	3,613.4	453.5	-322.9	318.5	0.72	-0.68	-1.30

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well M-21-8-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	**MD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
3,696.0	9.80	133.06	3,657.7	481.4	-328.3	324.2	1.20	-1.18	-1.18
3,742.0	9.98	132.53	3,703.0	489.3	-333.6	330.0	0.44	0.39	-1.15
3,786.0	10.75	133.05	3,746.3	497.2	-339.0	335.8	1.76	1.75	1.18
3,832.0	11.61	133.77	3,791.4	506.0	-345.1	342.3	1.88	1.85	1.57
3,877.0	11.21	134.73	3,835.5	514.9	-351.3	348.6	0.79	-0.87	2.13
3,921.0	11.21	137.19	3,878.7	523.5	-357.4	354.6	1.09	0.00	5.58
3,965.0	11.12	136.62	3,921.9	532.0	-363.7	360.4	0.32	-0.20	-1.30
4,011.0	10.72	136.67	3,967.0	540.7	-370.0	366.4	0.87	-0.87	0.11
4,057.0	10.50	138.38	4,012.2	549.1	-376.3	372.1	0.83	-0.48	3.72
4,103.0	10.46	138.64	4,057.5	557.5	-382.5	377.6	0.13	-0.09	0.57
4,147.0	10.28	138.47	4,100.8	565.4	-388.5	382.9	0.41	-0.41	-0.39
4,191.0	10.11	137.68	4,144.1	573.2	-394.3	388.1	0.50	-0.39	-1.80
4,237.0	9.84	137.32	4,189.4	581.2	-400.1	393.5	0.60	-0.59	-0.78
4,282.0	9.36	136.58	4,233.7	588.7	-405.6	398.6	1.10	-1.07	-1.64
4,328.0	9.10	137.02	4,279.1	596.0	-411.0	403.6	0.59	-0.57	0.96
4,374.0	9.14	138.64	4,324.6	603.3	-416.4	408.5	0.56	0.09	3.52
4,420.0	9.58	135.83	4,369.9	610.8	-421.9	413.6	1.38	0.96	-6.11
4,466.0	9.76	133.81	4,415.3	618.5	-427.3	419.1	0.83	0.39	-4.39
4,510.0	10.12	133.94	4,458.6	626.1	-432.6	424.6	0.82	0.82	0.30
4,558.0	10.20	133.94	4,501.0	633.7	-437.9	430.0	0.19	0.19	0.00
4,599.0	9.66	132.45	4,546.3	621.7	-443.3	435.5	0.88	-0.67	-3.24
4,645.0	9.58	130.82	4,591.6	628.5	-448.5	441.7	0.90	-0.67	-3.54
4,689.0	9.23	131.35	4,635.0	635.6	-453.2	447.1	0.82	-0.80	1.20
4,735.0	9.10	133.28	4,680.4	644.0	-458.2	452.5	0.73	-0.28	4.20
4,781.0	9.20	135.43	4,725.8	651.3	-463.3	457.7	0.77	0.22	4.67
4,826.0	9.18	136.84	4,770.3	658.5	-468.5	462.7	0.50	-0.04	3.13
4,872.0	9.36	135.83	4,815.6	665.9	-473.8	467.8	0.53	0.39	-2.20

NEWFIELD

Payzone Directional
End of Well Report

Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well M-21-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S R17E	MD Reference:	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,918.0	9.62	134.73	4,861.0	673.4	-479.2	473.2	0.69	0.57	-2.39
4,963.0	9.62	135.74	4,905.4	681.0	-484.8	478.5	0.38	0.00	2.24
5,009.0	9.67	135.65	4,950.7	688.7	-490.1	483.9	0.11	0.11	-0.20
5,055.0	9.93	134.73	4,996.1	696.5	-495.6	489.4	0.66	0.57	-2.00
5,101.0	9.76	134.73	5,041.4	704.4	-501.2	495.0	0.37	-0.37	0.00
5,145.0	9.84	134.07	5,084.7	711.9	-506.4	500.3	0.31	0.18	-1.50
5,191.0	9.76	134.29	5,130.1	719.7	-511.9	505.9	0.19	-0.17	0.48
5,237.0	9.76	135.74	5,175.4	727.5	-517.4	511.4	0.53	0.00	3.15
5,282.0	9.84	136.20	5,219.8	735.1	-523.0	516.7	0.95	0.18	5.47
5,328.0	9.84	136.68	5,265.1	743.0	-528.7	522.0	0.60	0.00	-3.52
5,374.0	9.68	136.89	5,310.4	750.7	-534.4	527.3	0.58	-0.57	0.67
5,420.0	9.62	137.15	5,355.8	758.4	-540.0	532.5	0.13	0.09	0.57
5,466.0	9.78	135.81	5,401.1	766.2	-545.6	537.9	0.60	0.35	-2.91
5,509.0	9.84	133.55	5,443.5	773.5	-550.8	543.1	0.91	0.14	-5.26
5,555.0	10.81	132.89	5,488.7	781.7	-556.4	549.1	2.12	2.11	-1.43
5,599.0	11.43	134.34	5,531.9	790.2	-562.3	555.2	1.55	1.41	3.30
5,643.0	11.34	135.87	5,575.0	798.9	-568.4	561.4	0.72	-0.20	3.48
5,689.0	10.61	135.69	5,620.2	807.6	-574.7	567.5	1.59	-1.59	0.04
5,732.0	9.93	135.70	5,662.5	815.3	-580.2	572.8	1.58	-1.58	-0.44
5,778.0	9.58	134.03	5,707.9	823.1	-585.7	578.3	0.98	-0.76	-3.63
5,824.0	9.36	131.81	5,753.2	830.7	-590.9	583.9	0.99	-0.48	5.26
5,870.0	9.18	131.52	5,798.6	838.1	-595.8	589.4	0.39	-0.39	-0.20
5,916.0	9.17	131.58	5,844.0	845.4	-600.6	594.9	0.03	-0.02	0.13
5,961.0	9.76	132.01	5,888.4	852.8	-605.6	600.4	1.32	1.31	0.96
6,007.0	10.28	132.93	5,933.7	860.7	-611.0	606.3	1.18	1.13	2.00
6,051.0	10.55	133.81	5,977.0	868.7	-616.4	612.1	0.71	0.61	2.00
6,097.0	10.24	135.39	6,022.2	877.0	-622.3	618.0	0.92	-0.67	3.43

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well M-21-8-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Site:	SECTION 21 T8S, R17E	**MD Reference:**	M-21-8-17 @ 5237.0usft (SS # 1)
Well:	M-21-8-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,142.0	9.45	135.89	6,065.6	884.7	-627.7	623.4	1.76	-1.76	0.00
6,188.0	9.38	135.43	6,112.0	892.2	-633.1	628.7	0.20	-0.20	0.09
6,234.0	9.88	136.27	6,157.3	899.9	-638.6	634.1	1.17	1.13	1.83
6,278.0	10.06	138.20	6,200.7	907.5	-644.2	639.2	0.86	0.41	4.39
6,324.0	9.84	139.74	6,246.0	915.4	-650.2	644.4	0.75	-0.48	3.35
6,367.0	10.15	141.28	6,288.3	922.9	-656.0	649.2	0.95	0.72	3.58
6,413.0	9.71	142.16	6,333.6	930.8	-662.2	654.1	1.01	-0.96	1.91
6,459.0	8.92	141.76	6,379.0	938.2	-668.1	658.7	1.72	-1.72	-0.87
6,503.0	8.75	141.06	6,422.5	944.9	-673.3	662.9	0.48	-0.39	-1.59
6,547.0	8.13	140.10	6,466.0	951.3	-678.3	667.0	1.44	-1.41	-2.18
6,592.0	7.66	142.42	6,510.6	957.4	-683.1	670.8	1.45	-1.27	5.16
6,636.0	7.25	144.71	6,554.2	963.0	-687.7	674.2	0.97	-0.70	5.20
6,682.0	6.89	145.06	6,599.9	968.6	-692.3	677.5	0.79	-0.78	0.76
6,686.0	6.90	146.03	6,603.8	969.1	-692.7	677.7	2.92	0.25	24.25
6,741.0	6.90	146.03	6,658.4	975.6	-698.2	681.4	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

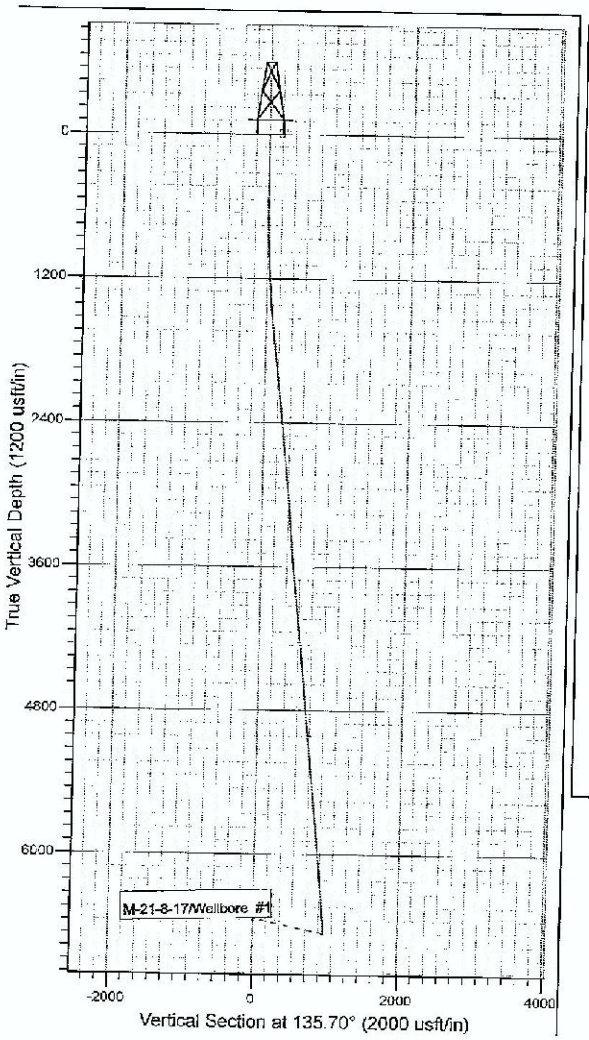
NEWFIELD

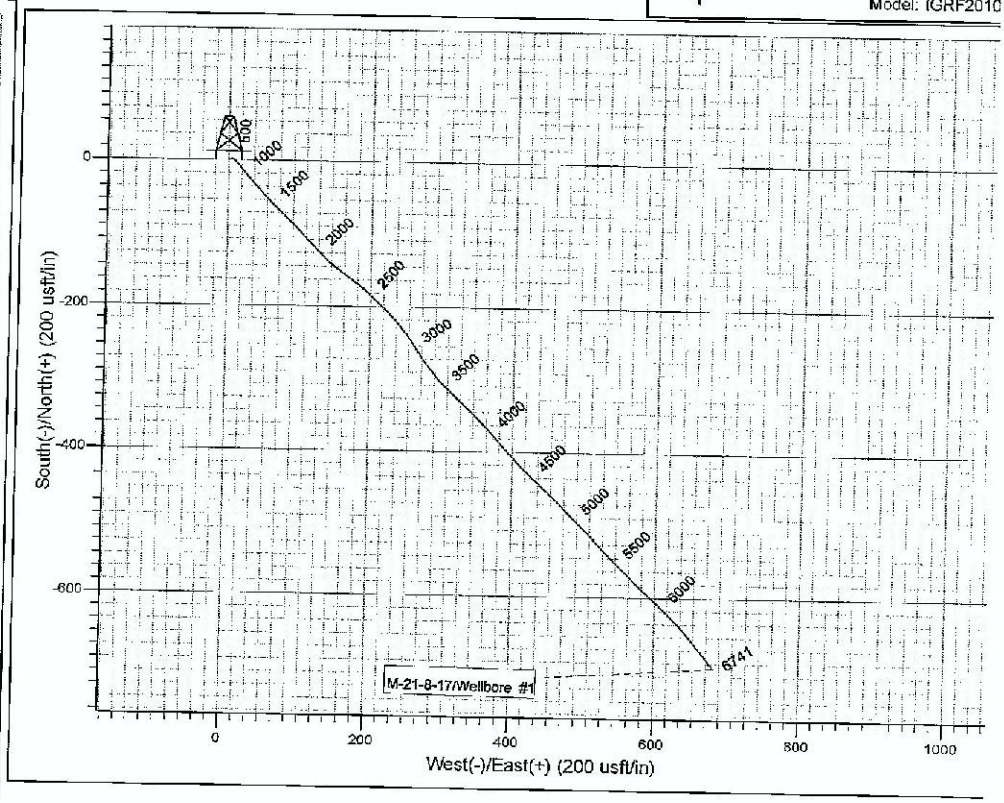
Project: USGS Myton SW (UT)
Site: SECTION 21 T8S, R17E
Well: M-21-8-17
Wellbore: Wellbore #1
Design: Actual

T M

Azimuths to True North
Magnetic North: 10.85°

Magnetic Field
Strength: 51965.8snT
Dip Angle: 65.76°
Date: 12/16/2014
Model: IGRF2010





Design: Actual (M-21-8-17/Wellbore #1)

Created By: Matthew Linton Date: 8:20, January 05 2

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

NEWFIELD

Summary Rig Activity

Well Name: GMBU M-21-8-17

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
1/9/2015	1/10/2015	Ran CBL, pressure test BOPs & perforate stg 1.

Start Time	End Time	Comment
06:00	08:00	NU 5K blind rams & FMC 5K frac valve.
08:00	11:00	Ran CBL from 6667' to surface under 0 psi. TOC @ surface.
11:00	13:00	Pressure test csg to 4300 psi for 30 min. Pressure test each componant of the well control stack to 4500 psi for 10 min & low test of 250-300 psi for 5 min.
13:00	14:00	Perforate 1st stage
14:00	00:00	SDFN.

Report Start Date	Report End Date	24hr Activity Summary
1/13/2015	1/14/2015	Frac & flowback well

Start Time	End Time	Comment
00:00	07:00	SDFN
07:00	10:00	Wait on frac crew
10:00	11:00	Frac stage 1 as detailed
11:00	12:30	Set CFTP @ 6300'. When perforating stg 2 one of the switches failed causing the guns to not fire. POOH & replace switch
12:30	13:30	Perforate stg 2
13:30	14:00	Frac stg 2
14:00	15:00	Set CFTP @ 5650'. Perforate stg 3
15:00	15:30	Frac stg 3
15:30	16:15	Set CFTP @ 5470'. Perforate stg 4.
16:15	16:45	Frac stg 4
16:45	17:30	Set CFTP @ 54960. Perforate stg 5.
17:30	18:30	Frac stg 5
18:30	23:30	Open well for flowback @ approx 3 BPM. well flowed for 4 hours & turned to oil & gas. SDFN.
23:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/14/2015	1/15/2015	Set kill plug

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	08:00	MIRU WL truck. Set kill plug @ 4740'. Bleed pressure off well & RD WL

NEWFIELD

Summary Rig Activity

Well Name: GMBU M-21-8-17

Start Time	End Time	Comment
08:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/16/2015	1/17/2015	MIRUSU PU tbg & drill 2 plugs

Start Time	End Time	Comment
00:00	09:30	SDFN
09:30	10:30	MIRUSU
10:30	12:30	UNLOAD TBG - PREP AND TALLY TBG - RBS PRESSURE TESTED BOPS - R/U PUMP AND RETURN LINES -
12:30	15:30	M/U 4 3/4" CHOMP MILL - RIH W/ 1 JT, S/N, 143 JTS - TAG KILL PLUG @ 4740'
15:30	18:00	R/U GRACO XK-90 POWER SWIVEL - CATCH CIRCULATION - DRILL KILL PLUG - 30 MINUTES ON PLUG - TOOK 700 PSI KICK - FLOW WELL FOR 20 MINUTES - SWIVEL IN JTS TO 1ST FRAC PLUG @ 4960' - DRILL PLUG - 15 MINUTES. CIRCULATE WELL FOR 15 MINUTES - RIH W/ 1 JT - SWIFW
18:00	19:00	Crew travel
19:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/19/2015	1/20/2015	Drill remaining plugs & clean out to PBTD

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	07:00	Crew travel
07:00	08:30	CHECK PRESSURES SICP 900 PSI, SITP 800 PSI, BLEED DOWN CSNG TO PIT & FI AT TANK.PUMP 40 BW DWN TBG TO KILL TBG.
08:30	11:30	RIH TO F/T PLUG #2 10' OUT ON JNT 166 @5470', R/U SWIVEL & D/O PLUG (12 MINS TO DRILL, NO FILL), RIH TO 5' IN ON JNT 172 & D/O F/T PLUG #3 @5650' (10 MINS TO DRILL PLUG, NO FILL), RIH & TAG FILL ON JNT 190 @6240' CLEAN OUT FILL TO 5' OUT ON JNT 191 & D/O F/T PLUG #4 @6300' (10 MINS TO DRILL PLUG, 60' OF FILL), RIH & TAG FILL ON JNT 198 @6520', CLEAN OUT FILL TO 8' IN ON JNT 203 @6675' PBTD (155' OF FILL)
11:30	12:30	ROLL 160 BBLS 1% KCL UNTIL WELLBORE WAS CLEAN.
12:30	16:00	SHUT IN CSNG FOR 10 MINS SICP 140 PSI, ORDER 10# BRINE TO KILL WELL. PREP RODS WHILE WAITING FOR BRINE, BRINE DID'NT SHOW UP UNTIL 3:10 PM SICP WAS UP TO 500 PSI. SET UP WELL TO FLOWBACK TO PRODUCTION TANKS OVERNIGHT, WINTERIZE PUMP & HARDLINE. RIG PUMP LINE BACK UP FOR H/O TO PUMP BRINE @ 4:00 AM, LOCK PIPE RAMS, FLOWBACK WELL TO PRODUCTION TANKS ON A 10 CHOKE, TARP TIW & BOP'S.
16:00	17:00	Crew travel
17:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
1/20/2015	1/20/2015	Kill well, round trip tbg, PU rods, RU pumping unit, PWOP.

NEWFIELD

Summary Rig Activity

Well Name: GMBU M-21-8-17

Start Time	End Time	Comment
00:00	04:00	SDFN
04:00	07:30	Pump 180 bbls 9.8# NaCl brine water w/ hot oil truck @ 160° to kill well.
07:30	09:30	TOOH w/ 198- jts tbg & LD bit sub & bit.
09:30	11:30	MU & TIH w/ tbg as follows: Purge valve, 2- jts 2 7/8" J-55 8rd EUE tbg, #2 desander, 4' 2 7/8" J-55 pup j, 1- jt 2 7/8" J-55 6.5# 8rd EUE tbg, SN, 1- jt 2 7/8" J-55 6.5# 8rd EUE tbg, TAC, 194- jts 2 7/8" J-55 6.5# 8rd EUE tbg & tbg hanger.
11:30	12:30	RD rig floor. ND BOPs. Land tbg on hanger w/ 18K tension. NU wellhead
12:30	13:30	Clean up & load tbg equipment. Spot in rod trailer. Rack out BOP's & hoses
13:30	16:00	PU & prime Weatherford 2 1/2" X 1 3/4" X 20 X 22' RHAC rod pump, 30- 7/8" (8 per) guided rods, 88- 3/4" (4 per) guided rods, 73- 3/4" (8 per) guided rods, 86- 7/8" (8 per) guided rods, 1- 4' X 7/8" pony rod & 1 1/2" polished rod.
16:00	17:00	RU pumping unit. Fill tbg w/ 15 bbls water. Stroke test pump w/ unit to 800 psi. adjust rod spacing to be 12" off tag.
17:00	18:30	RDMOSU. RD rig pump & pump lines. clean location.
18:30	19:30	Crew travel

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954

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 M-21-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013526620000

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: 2201 FNL 2187 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 21 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 3/5/2015	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ 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
	☐ 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.

The above well was placed on production on 01/20/2015 at 18:00 hours. Production Start sundry re-sent on 03/05/2015.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 05, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 3/5/2015

RECEIVED: Mar. 05, 2015