API Well Number: 43013525130000

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 S-21-9-16

2. TYPE OF WORK
DRILL NEW WELL ■ REENTER P&A WELL ☐ DEEPEN WELL ☐

3. FIELD OR WILDCAT
MONUMENT BUTTE

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
GMBU (GRRV)

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU-74392

11. MINERAL OWNERSHIP
FEDERAL ■ INDIAN ☐ STATE ☐ FEE ☐

12. SURFACE OWNERSHIP
FEDERAL ■ INDIAN ☐ STATE ☐ FEE ☐

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

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

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ☐ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ☐ DIRECTIONAL ■ HORIZONTAL ☐

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2010 FSL 1788 FEL	NWSE	21	9.0 S	16.0 E	S
Top of Uppermost Producing Zone	1372 FSL 1368 FEL	NWSE	21	9.0 S	16.0 E	S
At Total Depth	1155 FSL 1240 FEL	SESE	21	9.0 S	16.0 E	S

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
1155

23. NUMBER OF ACRES IN DRILLING UNIT
20

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
958

26. PROPOSED DEPTH
MD: 5926 TVD: 5823

27. ELEVATION - GROUND LEVEL
6035

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 - 5926	15.5	J-55 LT&C	8.3	Premium Lite High Strength	271	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** 09/30/2013 | **EMAIL** hcalder@newfield.com

API NUMBER ASSIGNED
43013525130000

APPROVAL
Permit Manager

RECEIVED: October 22, 2013

NEWFIELD PRODUCTION COMPANY
GMBU S-21-9-16
AT SURFACE: NW/SE SECTION 21, T9S R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 4,695'
Green River	4,695'
Wasatch	6,075'
Proposed TD	5,926'(MD) 5,823' (TVD)

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

Green River Formation (Oil) 4,695' – 6,075'

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: September 30, 2013

4. *PROPOSED CASING PROGRAM*

a. Casing Design: GMBU S-21-9-16

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'	5,926'	15.5	J-55	LTC	4,810 2.55	4,040 2.14	217,000 2.36

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 S-21-9-16

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	3,926'	Prem Lite II w/ 10% gel + 3% KCl	271 884	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: September 30, 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: September 30, 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 fourth quarter of 2013, and take approximately seven (7) days from spud to rig release.

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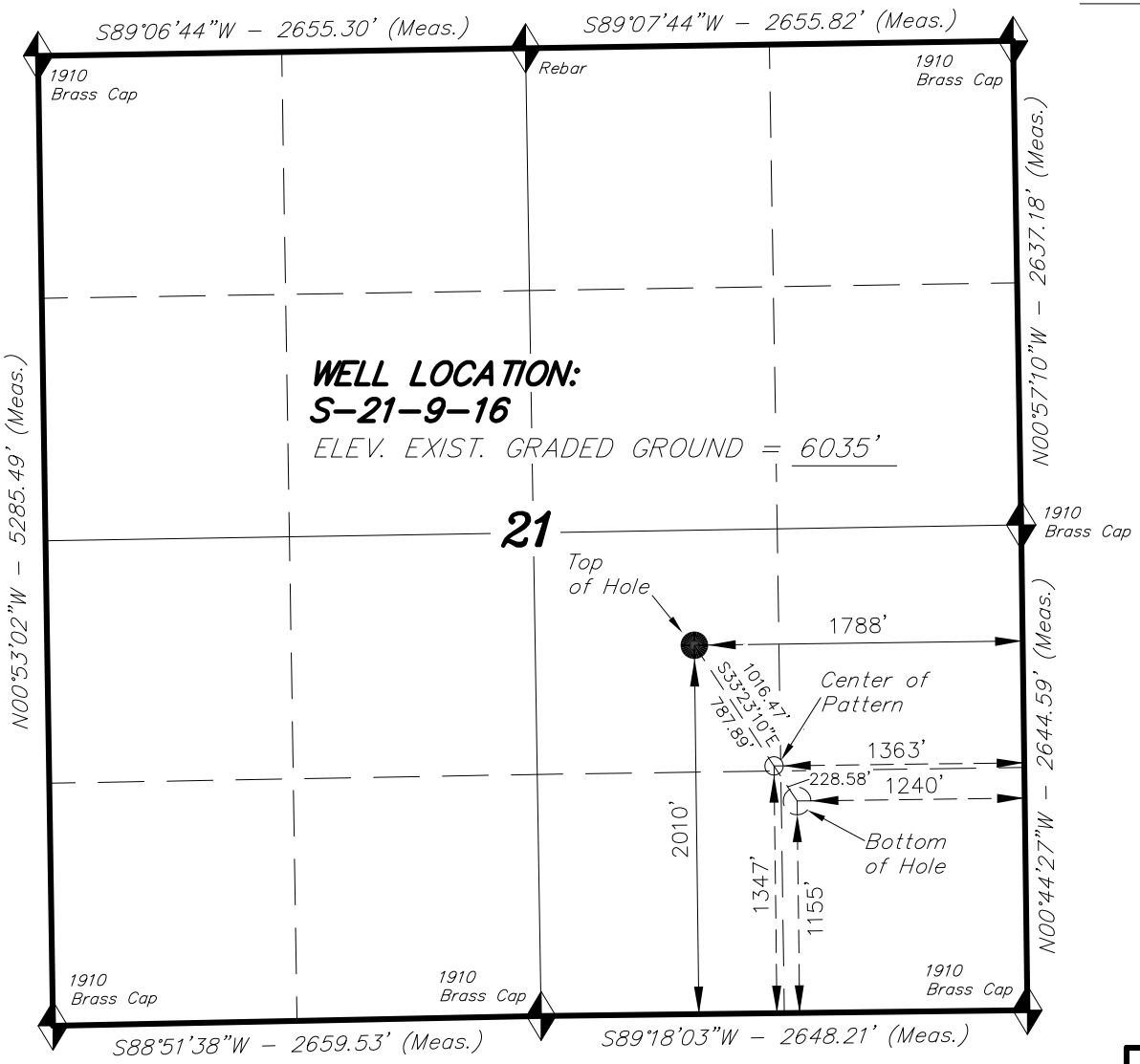
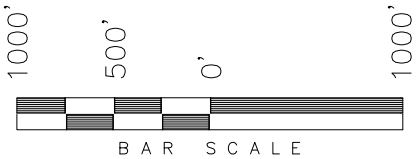
T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, S-21-9-16, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, S-21-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





NOTES:

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

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
06-18-13
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°00'52.75" LONGITUDE = 110°07'16.26"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'52.88" LONGITUDE = 110°07'13.71"

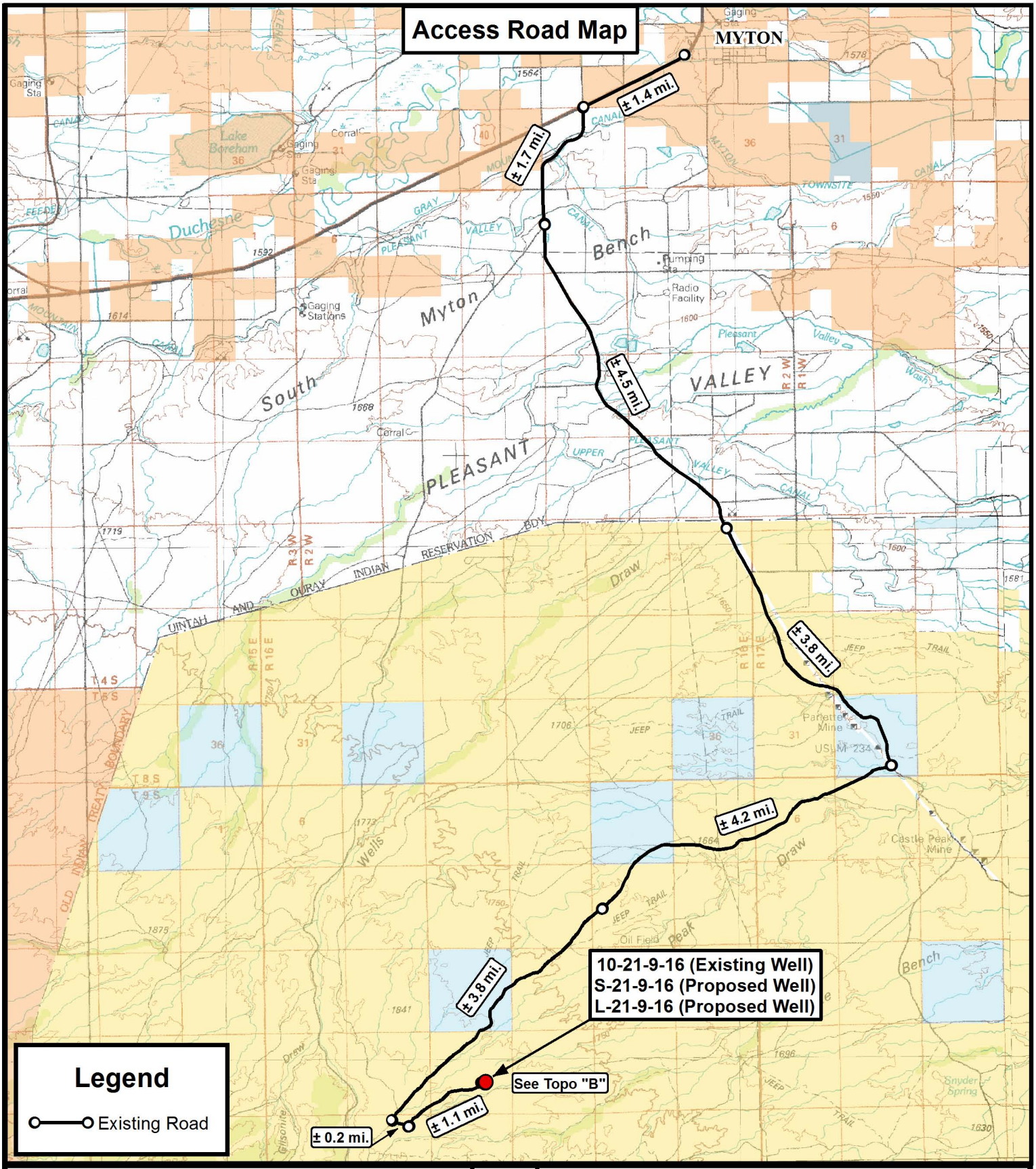
NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°00'46.18" LONGITUDE = 110°07'10.82"	LATITUDE = 40°00'44.28" LONGITUDE = 110°07'09.24"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°00'46.32" LONGITUDE = 110°07'08.27"	LATITUDE = 40°00'44.41" LONGITUDE = 110°07'06.70"

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

DATE SURVEYED: 04-19-13	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 06-18-13	DRAWN BY: L.K.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: September 30, 2013

API Well Number: 43013525130000



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F: (435) 781-2518

DRAWN BY: A.P.C.	REVISED:	VERSION:	
DATE: 06-14-2013		V1	
SCALE: 1:100,000			

N

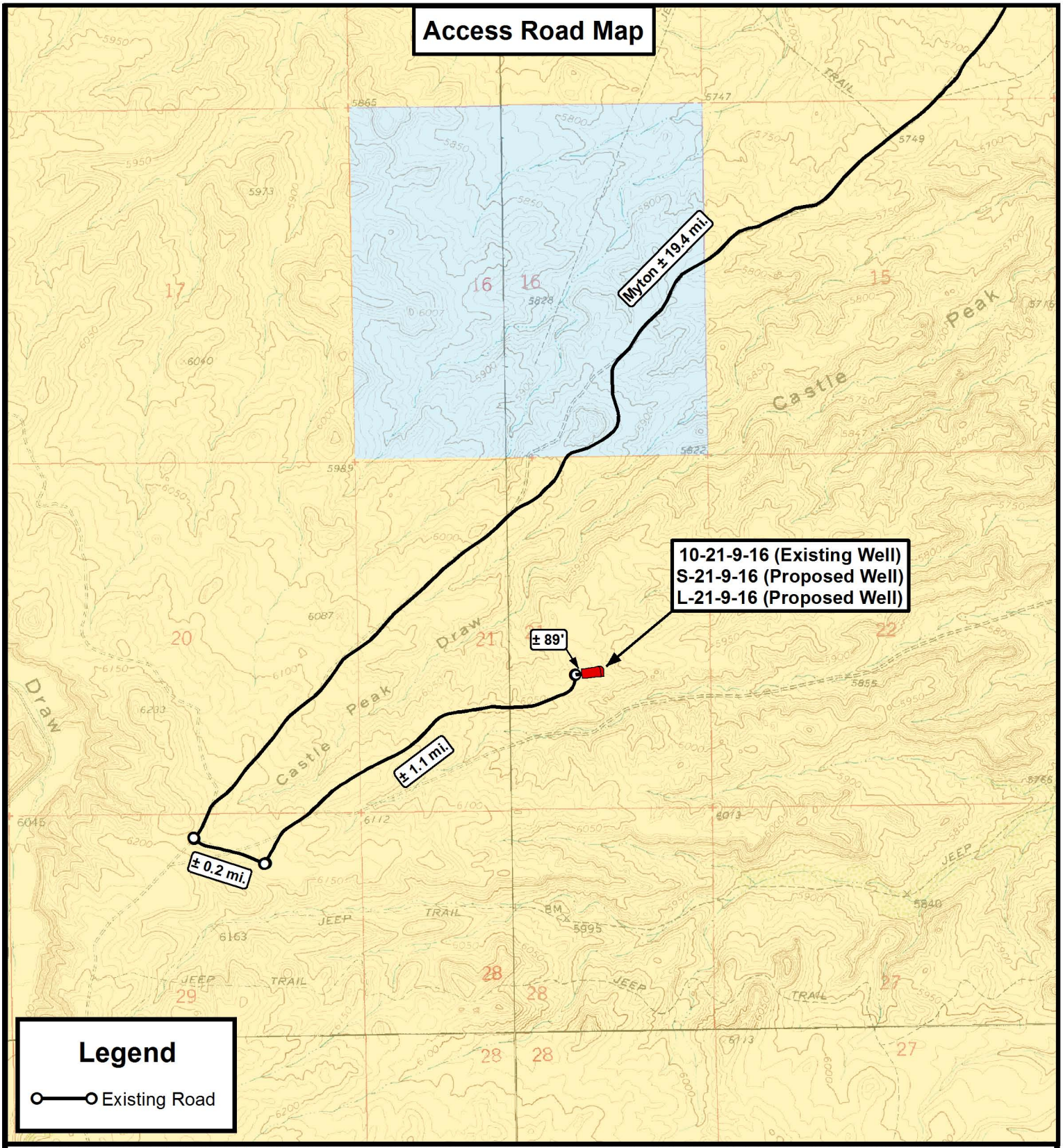
NEWFIELD EXPLORATION COMPANY

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013525130000



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

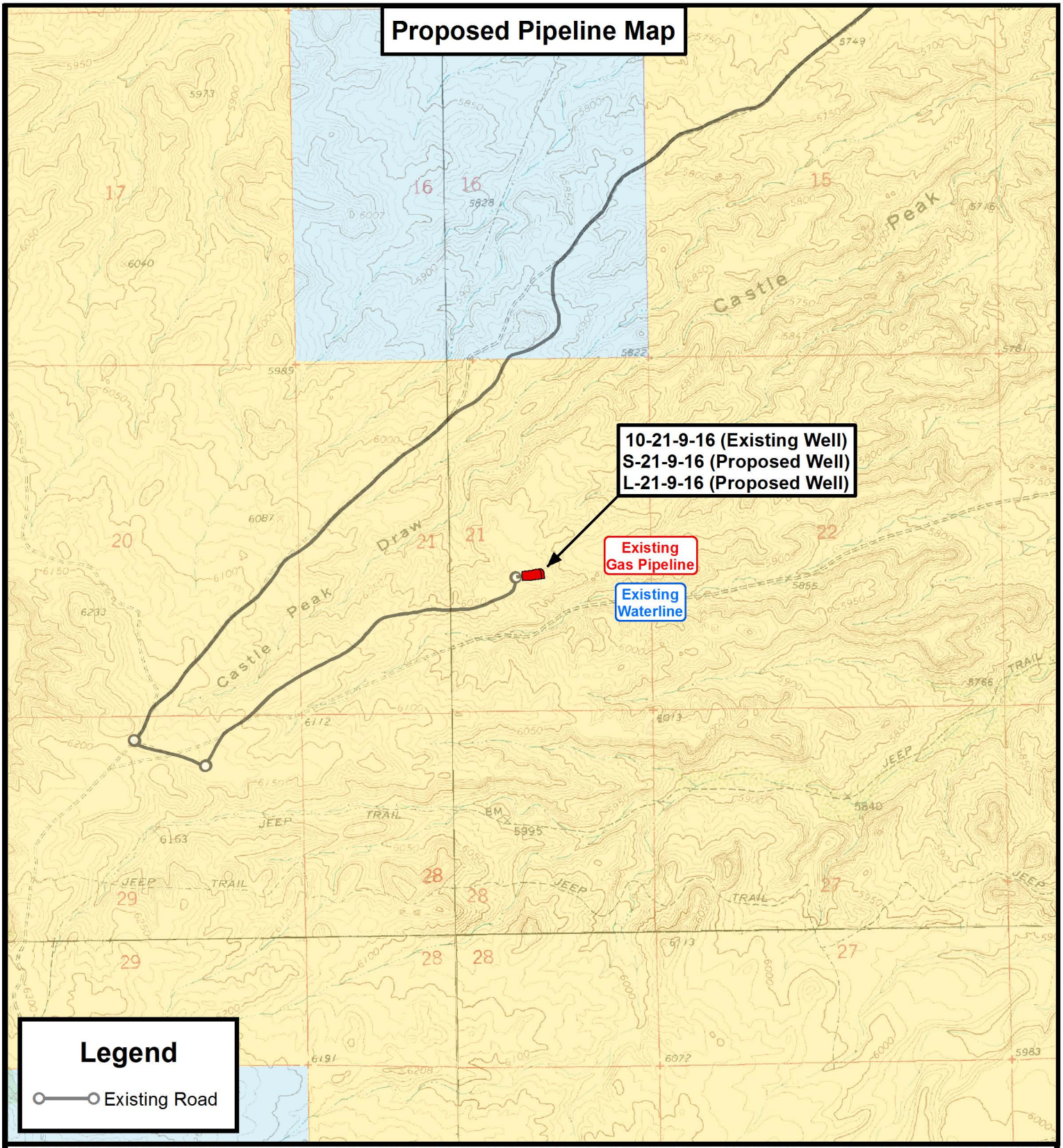
N

NEWFIELD EXPLORATION COMPANY

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED:	VERSION:	TOPOGRAPHIC MAP
DATE: 06-14-2013		V1	SHEET B
SCALE: 1 " = 2,000 '			

API Well Number: 43013525130000



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N

NEWFIELD EXPLORATION COMPANY

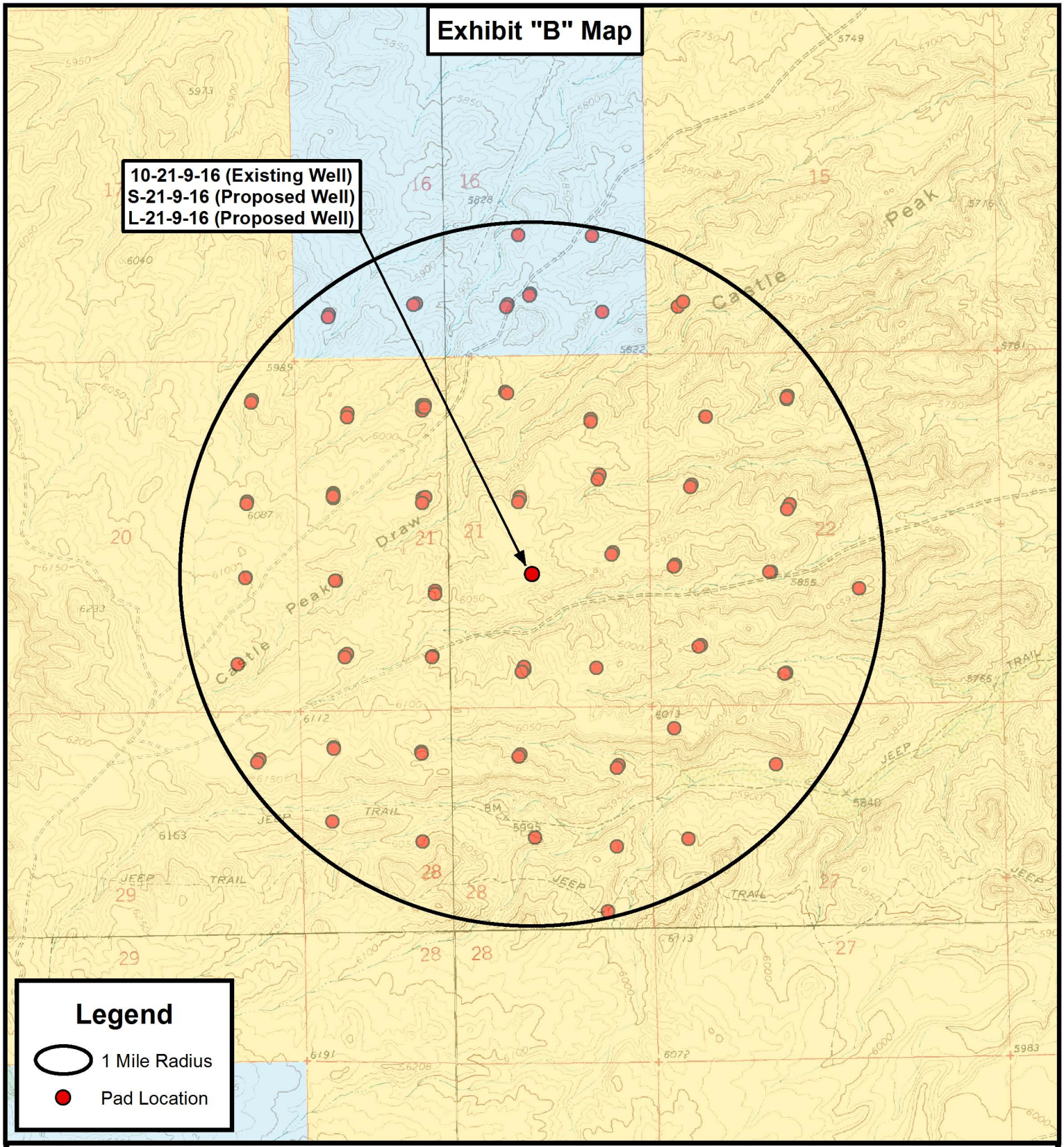
10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-14-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013525130000



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N

NEWFIELD EXPLORATION COMPANY
10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED:	VERSION:	TOPOGRAPHIC MAP
DATE: 06-14-2013		V1	SHEET D
SCALE: 1 " = 2,000 '			

API Well Number: 43013525130000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
10-21-9-16	Surface Hole	40° 00' 52.59" N	110° 07' 16.43" W
S-21-9-16	Surface Hole	40° 00' 52.75" N	110° 07' 16.26" W
L-21-9-16	Surface Hole	40° 00' 52.91" N	110° 07' 16.08" W
S-21-9-16	Center of Pattern	40° 00' 46.18" N	110° 07' 10.82" W
L-21-9-16	Center of Pattern	40° 00' 59.16" N	110° 07' 09.93" W
S-21-9-16	Bottom of Hole	40° 00' 44.28" N	110° 07' 09.24" W
L-21-9-16	Bottom of Hole	40° 01' 00.98" N	110° 07' 08.14" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
10-21-9-16	Surface Hole	40.014608	110.121231
S-21-9-16	Surface Hole	40.014653	110.121183
L-21-9-16	Surface Hole	40.014697	110.121134
S-21-9-16	Center of Pattern	40.012829	110.119672
L-21-9-16	Center of Pattern	40.016435	110.119425
S-21-9-16	Bottom of Hole	40.012300	110.119233
L-21-9-16	Bottom of Hole	40.016938	110.118929

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
10-21-9-16	Surface Hole	4429748.372	574995.969
S-21-9-16	Surface Hole	4429753.367	575000.069
L-21-9-16	Surface Hole	4429758.361	575004.169
S-21-9-16	Center of Pattern	4429552.234	575131.025
L-21-9-16	Center of Pattern	4429952.630	575148.155
S-21-9-16	Bottom of Hole	4429493.881	575169.018
L-21-9-16	Bottom of Hole	4430008.947	575189.895

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
10-21-9-16	Surface Hole	40° 00' 52.72" N	110° 07' 13.89" W
S-21-9-16	Surface Hole	40° 00' 52.88" N	110° 07' 13.71" W
L-21-9-16	Surface Hole	40° 00' 53.04" N	110° 07' 13.54" W
S-21-9-16	Center of Pattern	40° 00' 46.32" N	110° 07' 08.27" W
L-21-9-16	Center of Pattern	40° 00' 59.30" N	110° 07' 07.38" W
S-21-9-16	Bottom of Hole	40° 00' 44.41" N	110° 07' 06.70" W
L-21-9-16	Bottom of Hole	40° 01' 01.11" N	110° 07' 05.60" W

Tri State Land Surveying, Inc.
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NEWFIELD EXPLORATION COMPANY

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	06-14-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 1

RECEIVED: September 30, 2013

API Well Number: 43013525130000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
10-21-9-16	Surface Hole	40.014645	110.120524
S-21-9-16	Surface Hole	40.014690	110.120476
L-21-9-16	Surface Hole	40.014734	110.120427
S-21-9-16	Center of Pattern	40.012866	110.118965
L-21-9-16	Center of Pattern	40.016472	110.118718
S-21-9-16	Bottom of Hole	40.012337	110.118526
L-21-9-16	Bottom of Hole	40.016975	110.118222

Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
10-21-9-16	Surface Hole	4429543.038	575058.224
S-21-9-16	Surface Hole	4429548.033	575062.324
L-21-9-16	Surface Hole	4429553.027	575066.424
S-21-9-16	Center of Pattern	4429346.900	575193.282
L-21-9-16	Center of Pattern	4429747.296	575210.409
S-21-9-16	Bottom of Hole	4429288.547	575231.276
L-21-9-16	Bottom of Hole	4429803.613	575252.149

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

NEWFIELD EXPLORATION COMPANY

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	06-14-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 2

RECEIVED: September 30, 2013

API Well Number: 43013525130000

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 21 T9S, R16E
S-21-9-16

Wellbore #1

Plan: Design #1

Standard Planning Report

13 June, 2013

RECEIVED: September 30, 2013

NEWFIELD

Payzone Directional

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well S-21-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	S-21-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

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

Site SECTION 21 T9S, R16E

Site Position:		**Northing:**	7,178,195.78 ft	**Latitude:**	40° 1' 4.650 N
From:	Lat/Long	**Easting:**	2,023,590.50 ft	**Longitude:**	110° 7' 54.390 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.88 °

Well S-21-9-16, SHL LAT: 40 00 52.75 LONG: -110 07 16.26

Well Position	**+N/-S**	-1,204.2 ft	**Northing:**	7,177,037.41 ft	**Latitude:**	40° 0' 52.750 N
	+E/-W	2,966.3 ft	**Easting:**	2,026,575.04 ft	**Longitude:**	110° 7' 16.260 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	6,047.0 ft	**Ground Level:**	6,037.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/13/2013	11.08	65.71	52,045

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	146.61

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	
1,393.1	11.90	146.61	1,387.4	-68.5	45.1	1.50	1.50	0.00	146.61	
4,817.2	11.90	146.61	4,738.0	-657.8	433.6	0.00	0.00	0.00	0.00	S-21-9-16 TGT
5,926.0	11.90	146.61	5,823.0	-848.7	559.4	0.00	0.00	0.00	0.00	

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Payzone Directional

Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well S-21-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	S-21-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	146.61	700.0	-1.1	0.7	1.3	1.50	1.50	0.00
800.0	3.00	146.61	799.9	-4.4	2.9	5.2	1.50	1.50	0.00
900.0	4.50	146.61	899.7	-9.8	6.5	11.8	1.50	1.50	0.00
1,000.0	6.00	146.61	999.3	-17.5	11.5	20.9	1.50	1.50	0.00
1,100.0	7.50	146.61	1,098.6	-27.3	18.0	32.7	1.50	1.50	0.00
1,200.0	9.00	146.61	1,197.5	-39.3	25.9	47.0	1.50	1.50	0.00
1,300.0	10.50	146.61	1,296.1	-53.4	35.2	64.0	1.50	1.50	0.00
1,393.1	11.90	146.61	1,387.4	-68.5	45.1	82.0	1.50	1.50	0.00
1,400.0	11.90	146.61	1,394.2	-69.7	45.9	83.5	0.00	0.00	0.00
1,500.0	11.90	146.61	1,492.0	-86.9	57.3	104.1	0.00	0.00	0.00
1,600.0	11.90	146.61	1,589.9	-104.1	68.6	124.7	0.00	0.00	0.00
1,700.0	11.90	146.61	1,687.7	-121.3	80.0	145.3	0.00	0.00	0.00
1,800.0	11.90	146.61	1,785.6	-138.5	91.3	165.9	0.00	0.00	0.00
1,900.0	11.90	146.61	1,883.4	-155.7	102.7	186.5	0.00	0.00	0.00
2,000.0	11.90	146.61	1,981.3	-173.0	114.0	207.1	0.00	0.00	0.00
2,100.0	11.90	146.61	2,079.1	-190.2	125.3	227.8	0.00	0.00	0.00
2,200.0	11.90	146.61	2,177.0	-207.4	136.7	248.4	0.00	0.00	0.00
2,300.0	11.90	146.61	2,274.8	-224.6	148.0	269.0	0.00	0.00	0.00
2,400.0	11.90	146.61	2,372.7	-241.8	159.4	289.6	0.00	0.00	0.00
2,500.0	11.90	146.61	2,470.5	-259.0	170.7	310.2	0.00	0.00	0.00
2,600.0	11.90	146.61	2,568.4	-276.2	182.1	330.8	0.00	0.00	0.00
2,700.0	11.90	146.61	2,666.2	-293.4	193.4	351.4	0.00	0.00	0.00
2,800.0	11.90	146.61	2,764.1	-310.6	204.8	372.1	0.00	0.00	0.00
2,900.0	11.90	146.61	2,861.9	-327.9	216.1	392.7	0.00	0.00	0.00
3,000.0	11.90	146.61	2,959.8	-345.1	227.4	413.3	0.00	0.00	0.00
3,100.0	11.90	146.61	3,057.7	-362.3	238.8	433.9	0.00	0.00	0.00
3,200.0	11.90	146.61	3,155.5	-379.5	250.1	454.5	0.00	0.00	0.00
3,300.0	11.90	146.61	3,253.4	-396.7	261.5	475.1	0.00	0.00	0.00
3,400.0	11.90	146.61	3,351.2	-413.9	272.8	495.7	0.00	0.00	0.00
3,500.0	11.90	146.61	3,449.1	-431.1	284.2	516.4	0.00	0.00	0.00
3,600.0	11.90	146.61	3,546.9	-448.3	295.5	537.0	0.00	0.00	0.00
3,700.0	11.90	146.61	3,644.8	-465.6	306.9	557.6	0.00	0.00	0.00
3,800.0	11.90	146.61	3,742.6	-482.8	318.2	578.2	0.00	0.00	0.00
3,900.0	11.90	146.61	3,840.5	-500.0	329.5	598.8	0.00	0.00	0.00
4,000.0	11.90	146.61	3,938.3	-517.2	340.9	619.4	0.00	0.00	0.00
4,100.0	11.90	146.61	4,036.2	-534.4	352.2	640.0	0.00	0.00	0.00
4,200.0	11.90	146.61	4,134.0	-551.6	363.6	660.7	0.00	0.00	0.00
4,300.0	11.90	146.61	4,231.9	-568.8	374.9	681.3	0.00	0.00	0.00
4,400.0	11.90	146.61	4,329.7	-586.0	386.3	701.9	0.00	0.00	0.00
4,500.0	11.90	146.61	4,427.6	-603.2	397.6	722.5	0.00	0.00	0.00
4,600.0	11.90	146.61	4,525.4	-620.5	409.0	743.1	0.00	0.00	0.00
4,700.0	11.90	146.61	4,623.3	-637.7	420.3	763.7	0.00	0.00	0.00
4,800.0	11.90	146.61	4,721.1	-654.9	431.6	784.3	0.00	0.00	0.00
4,817.2	11.90	146.61	4,738.0	-657.8	433.6	787.9	0.00	0.00	0.00
4,900.0	11.90	146.61	4,819.0	-672.1	443.0	805.0	0.00	0.00	0.00
5,000.0	11.90	146.61	4,916.8	-689.3	454.3	825.6	0.00	0.00	0.00
5,100.0	11.90	146.61	5,014.7	-706.5	465.7	846.2	0.00	0.00	0.00

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Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well S-21-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	**MD Reference:**	S-21-9-16 @ 6047.0ft (Original Well Elev)
Site:	SECTION 21 T9S, R16E	**North Reference:**	True
Well:	S-21-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	11.90	146.61	5,112.6	-723.7	477.0	866.8	0.00	0.00	0.00
5,300.0	11.90	146.61	5,210.4	-740.9	488.4	887.4	0.00	0.00	0.00
5,400.0	11.90	146.61	5,308.3	-758.1	499.7	908.0	0.00	0.00	0.00
5,500.0	11.90	146.61	5,406.1	-775.4	511.1	928.6	0.00	0.00	0.00
5,600.0	11.90	146.61	5,504.0	-792.6	522.4	949.3	0.00	0.00	0.00
5,700.0	11.90	146.61	5,601.8	-809.8	533.8	969.9	0.00	0.00	0.00
5,800.0	11.90	146.61	5,699.7	-827.0	545.1	990.5	0.00	0.00	0.00
5,900.0	11.90	146.61	5,797.5	-844.2	556.4	1,011.1	0.00	0.00	0.00
5,926.0	11.90	146.61	5,823.0	-848.7	559.4	1,016.5	0.00	0.00	0.00

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API Well Number: 43013525130000

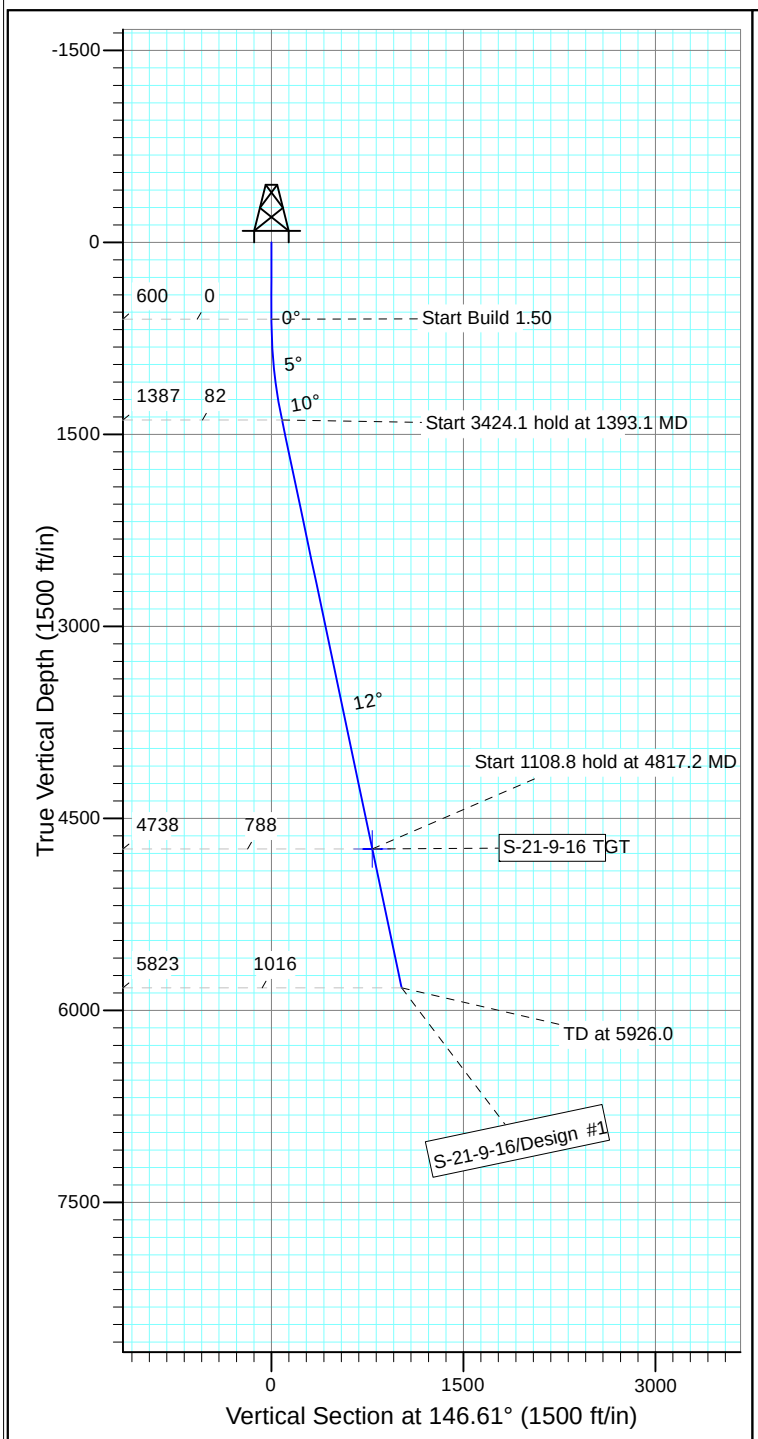
NEWFIELD

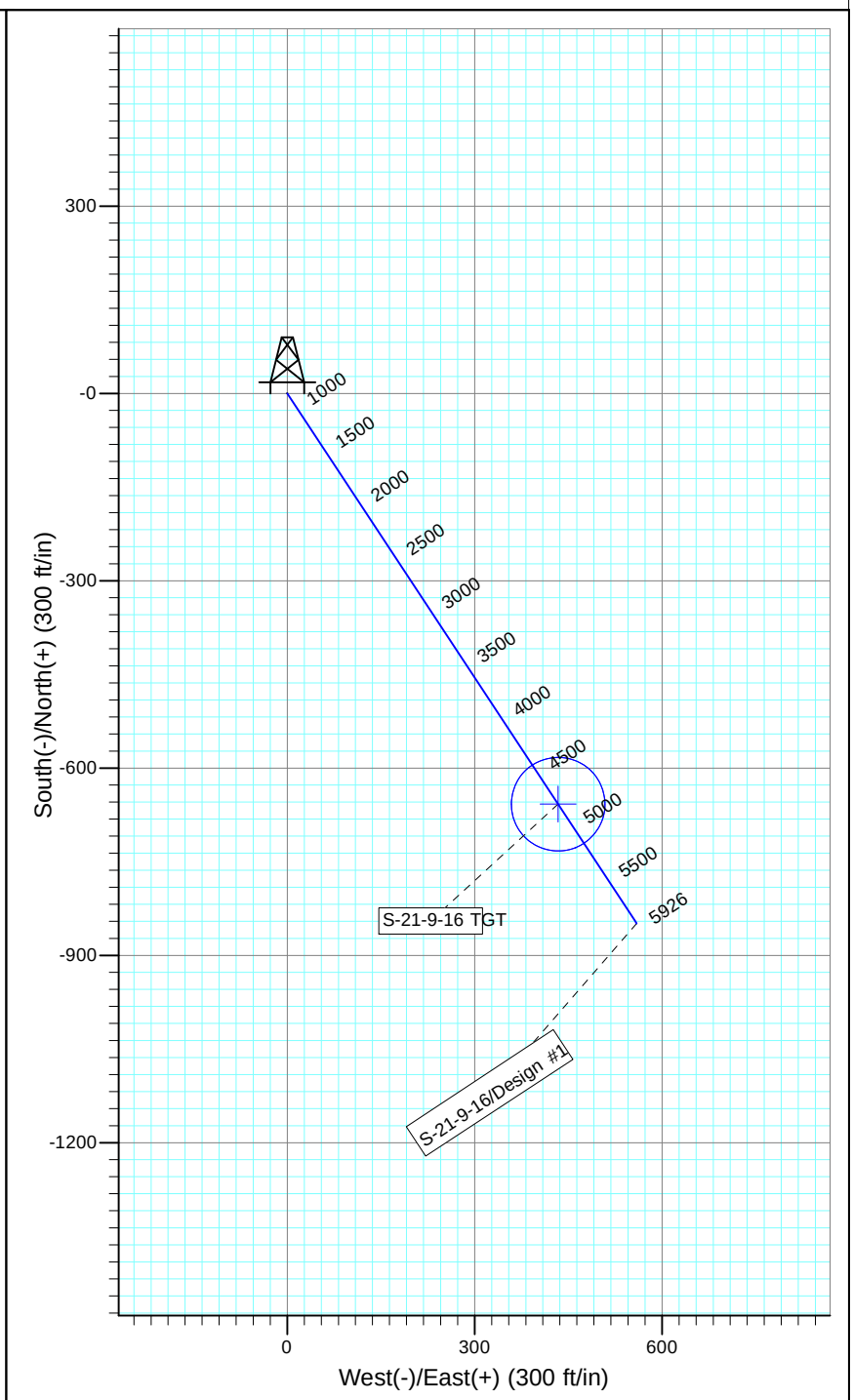
Project: USGS Myton SW (UT)
Site: SECTION 21 T9S, R16E
Well: S-21-9-16
Wellbore: Wellbore #1
Design: Design #1

T M

Azimuths to True North
Magnetic North: 11.08°

Magnetic Field
Strength: 52044.5snT
Dip Angle: 65.71°
Date: 6/13/2013
Model: IGRF2010





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
S-21-9-16 TGT	4738.0	-657.8	433.6	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	1393.1	11.90	146.61	1387.4	-68.5	45.1	1.50	146.61	82.0	
4	4817.2	11.90	146.61	4738.0	-657.8	433.6	0.00	0.00	787.9	S-21-9-16 TGT
5	5926.0	11.90	146.61	5823.0	-848.7	559.4	0.00	0.00	1016.5	

PAYZONE

NEWFIELD PRODUCTION COMPANY
GMBU S-21-9-16
AT SURFACE: NW/SE SECTION 21, T9S R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU S-21-9-16 located in the NW 1/4 SE 1/4 Section 21, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 11.3 miles ± to it's junction with an existing road to the west; proceed in a southwesterly direction – 3.4 miles ± to it's junction with the beginning of the access road to the existing 16-13-9-16 well location.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 16-13-9-16 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

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

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

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

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

A portable toilet will be provided for human waste.

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

8. ANCILLARY FACILITIES

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*** – Bureau of Land Management.

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-198 7/29/13, prepared by Montgomery Archaeological Consultants.. Paleontological Resource Survey prepared by, Wade E. Miller, Report dated 11/10/05.

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 S-21-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU S-21-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

Representative

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

Certification
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-21-9-16, Section 21, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

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

9/30/13
Date

Heather Calder
Regulatory Technician
Newfield Production Company

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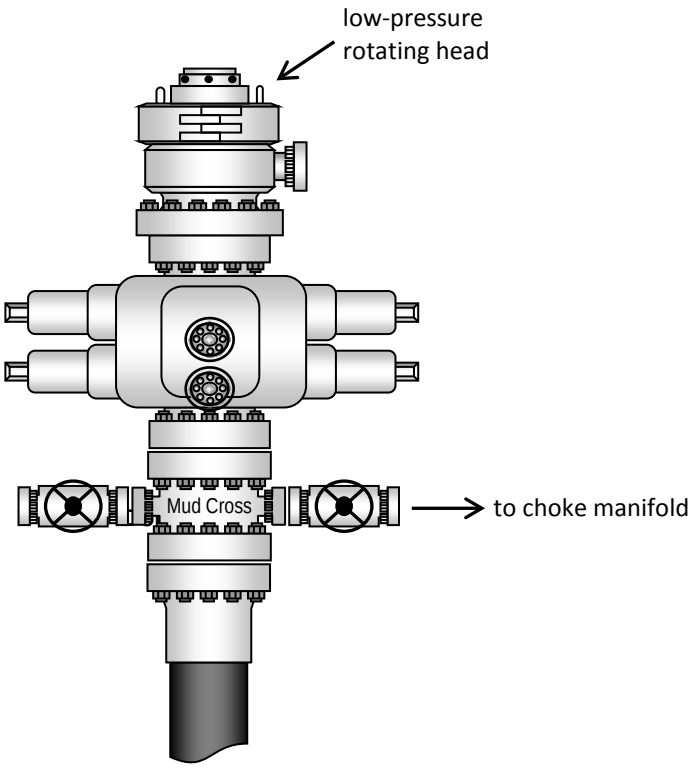
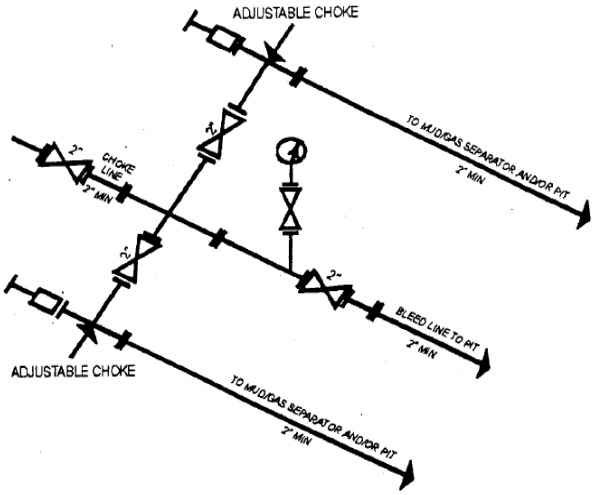
Typical 2M BOP stack configuration





2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.

TOP HOLE FOOTAGES

S-21-9-16
2010' FSL & 1788' FEL

L-21-9-16
2026' FSL & 1774' FEL

CENTER OF PATTERN FOOTAGES

S-21-9-16
1347' FSL & 1363' FEL

L-21-9-16
2617' FNL & 1297' FEL

BOTTOM HOLE FOOTAGES

S-21-9-16
1155' FSL & 1240' FEL

L-21-9-16
2661' FSL & 1158' FEL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

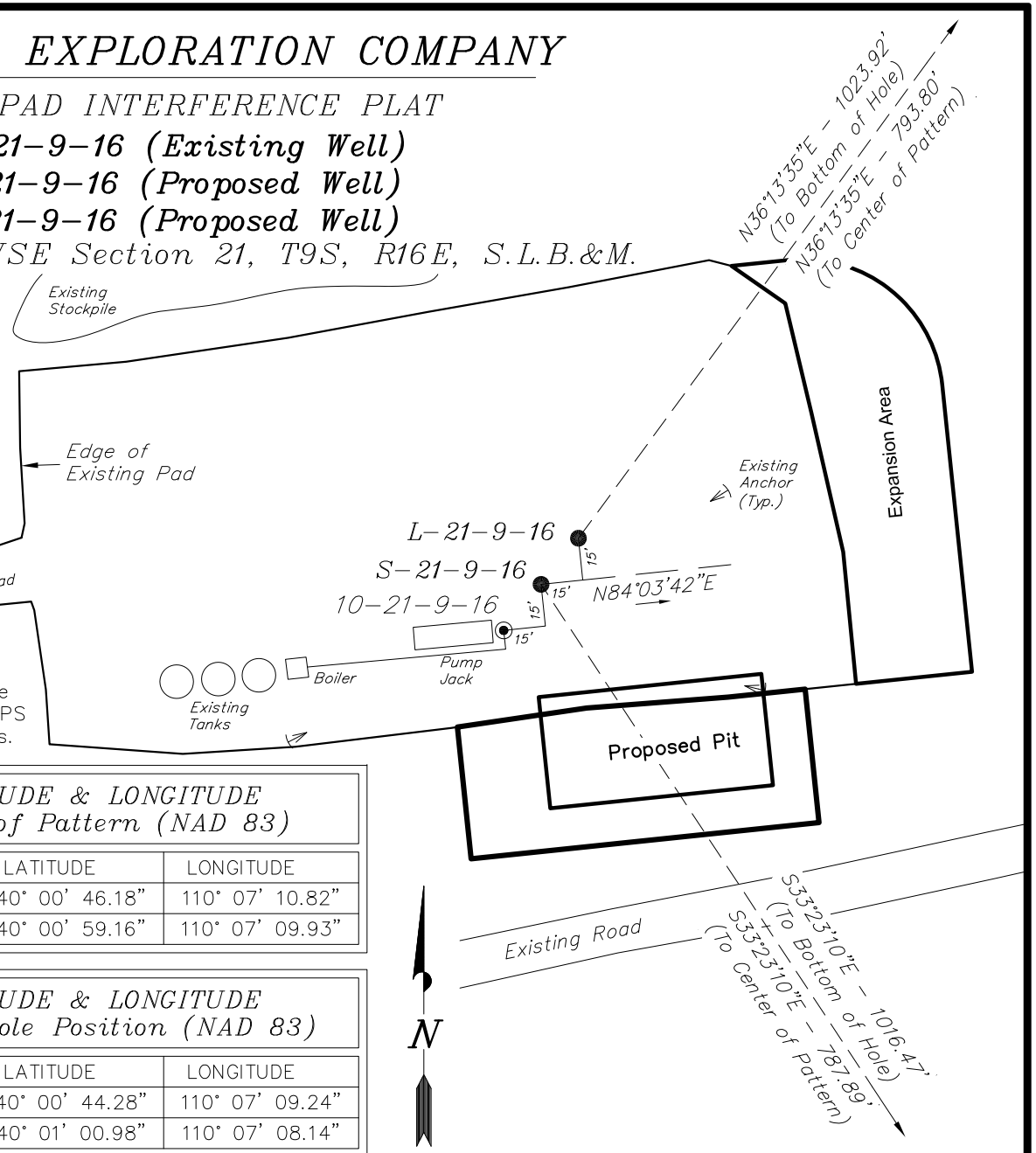
WELL	LATITUDE	LONGITUDE
10-21-9-16	40° 00' 52.59"	110° 07' 16.43"
S-21-9-16	40° 00' 52.75"	110° 07' 16.26"
L-21-9-16	40° 00' 52.91"	110° 07' 16.08"

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

WELL	NORTH	EAST
S-21-9-16	-658'	434'
L-21-9-16	640'	469'

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
S-21-9-16	-849'	559'
L-21-9-16	826'	605'



Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Center of Pattern (NAD 83)

WELL	LATITUDE	LONGITUDE
S-21-9-16	40° 00' 46.18"	110° 07' 10.82"
L-21-9-16	40° 00' 59.16"	110° 07' 09.93"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
S-21-9-16	40° 00' 44.28"	110° 07' 09.24"
L-21-9-16	40° 01' 00.98"	110° 07' 08.14"

SURVEYED BY: C.S.	DATE SURVEYED: 04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: L.K.	DATE DRAWN: 06-18-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

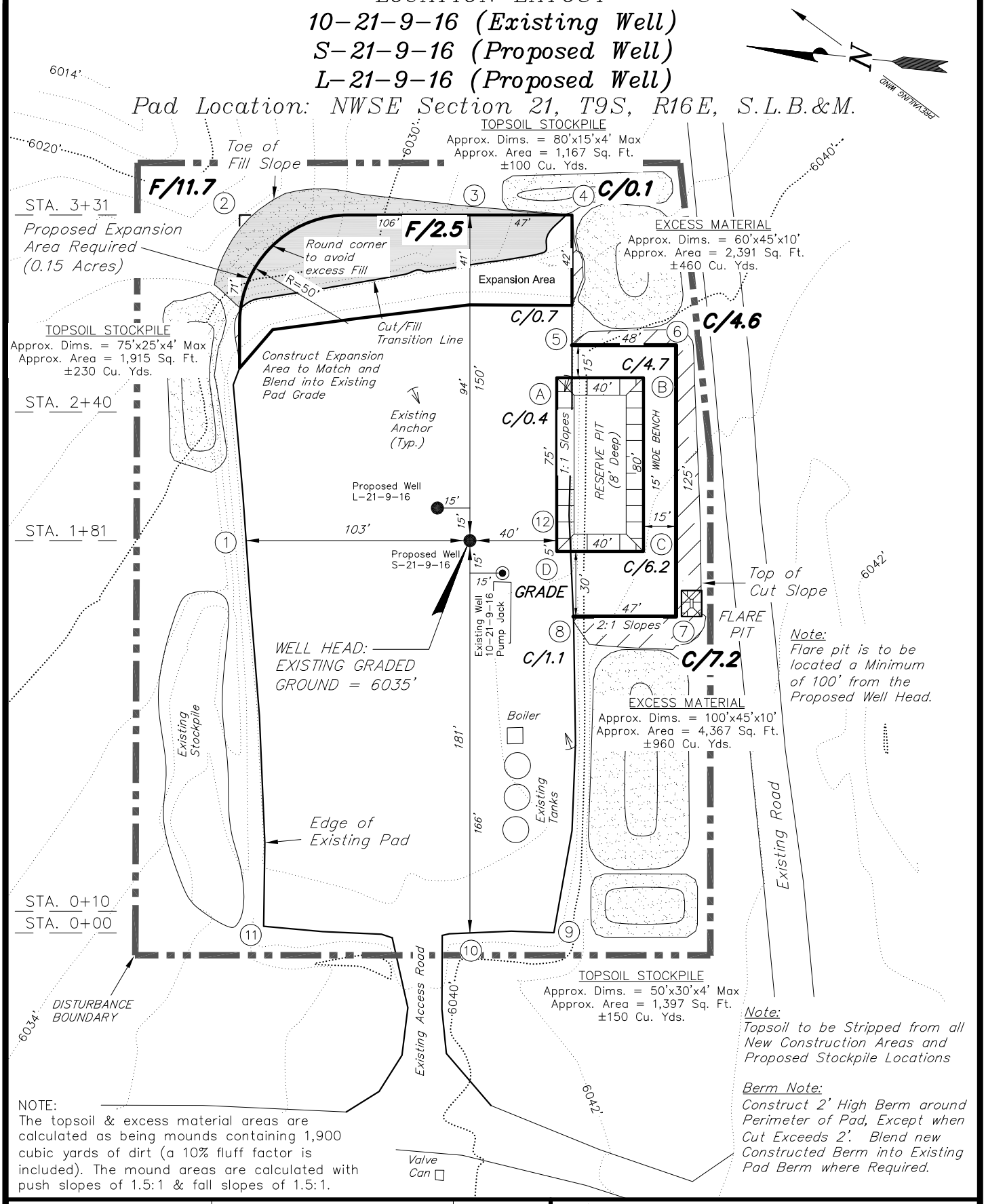
RECEIVED: September 30, 2013

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 1,900 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: C.S.	DATE SURVEYED: 04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

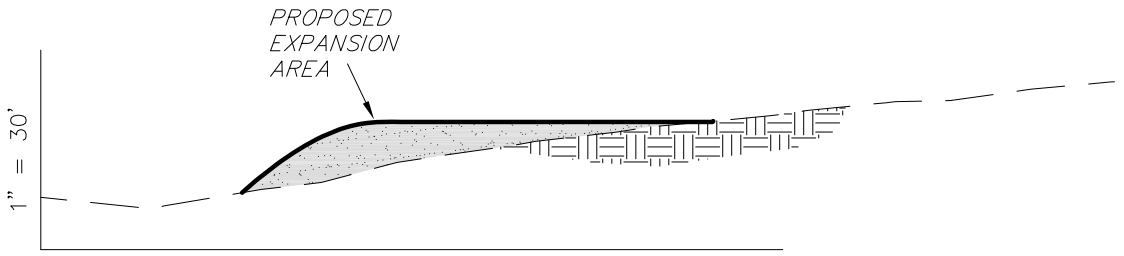
RECEIVED: September 30, 2013

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

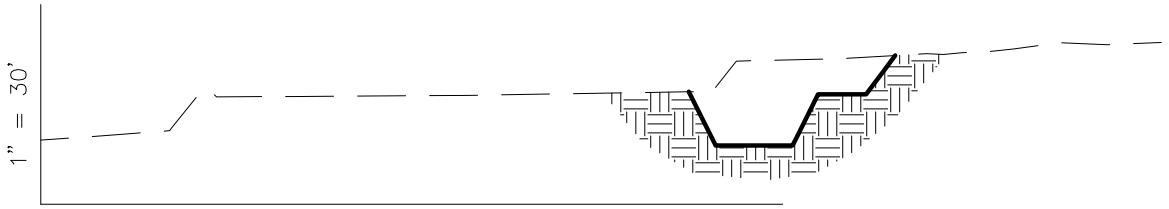
10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.



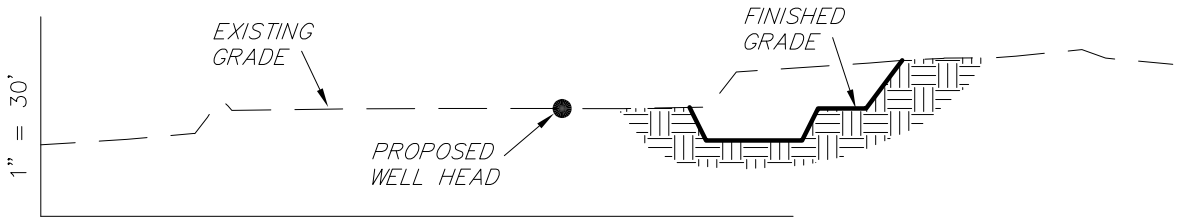
1" = 60'

STA. 3+31



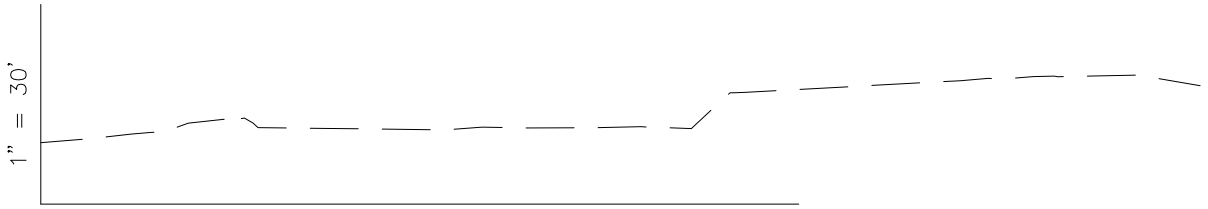
1" = 60'

STA. 2+40



1" = 60'

STA. 1+81



1" = 60'

STA. 0+10

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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,330	730	Topsoil is not included in Pad Cut	600
PIT	690	0		690
TOTALS	2,020	730	440	1,290

SURVEYED BY: C.S.	DATE SURVEYED: 04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

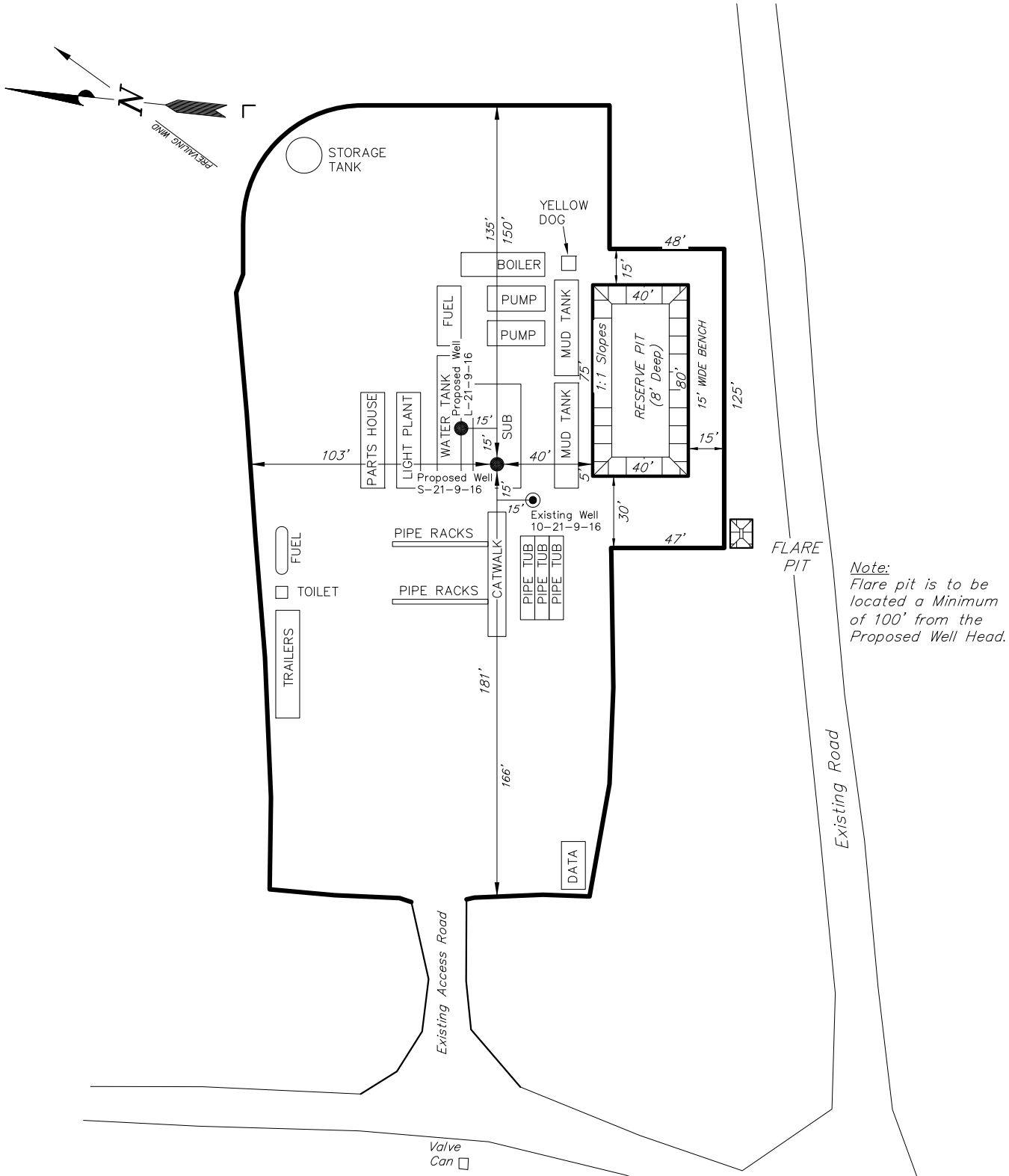
RECEIVED: September 30, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.



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

SURVEYED BY: C.S.	DATE SURVEYED: 04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

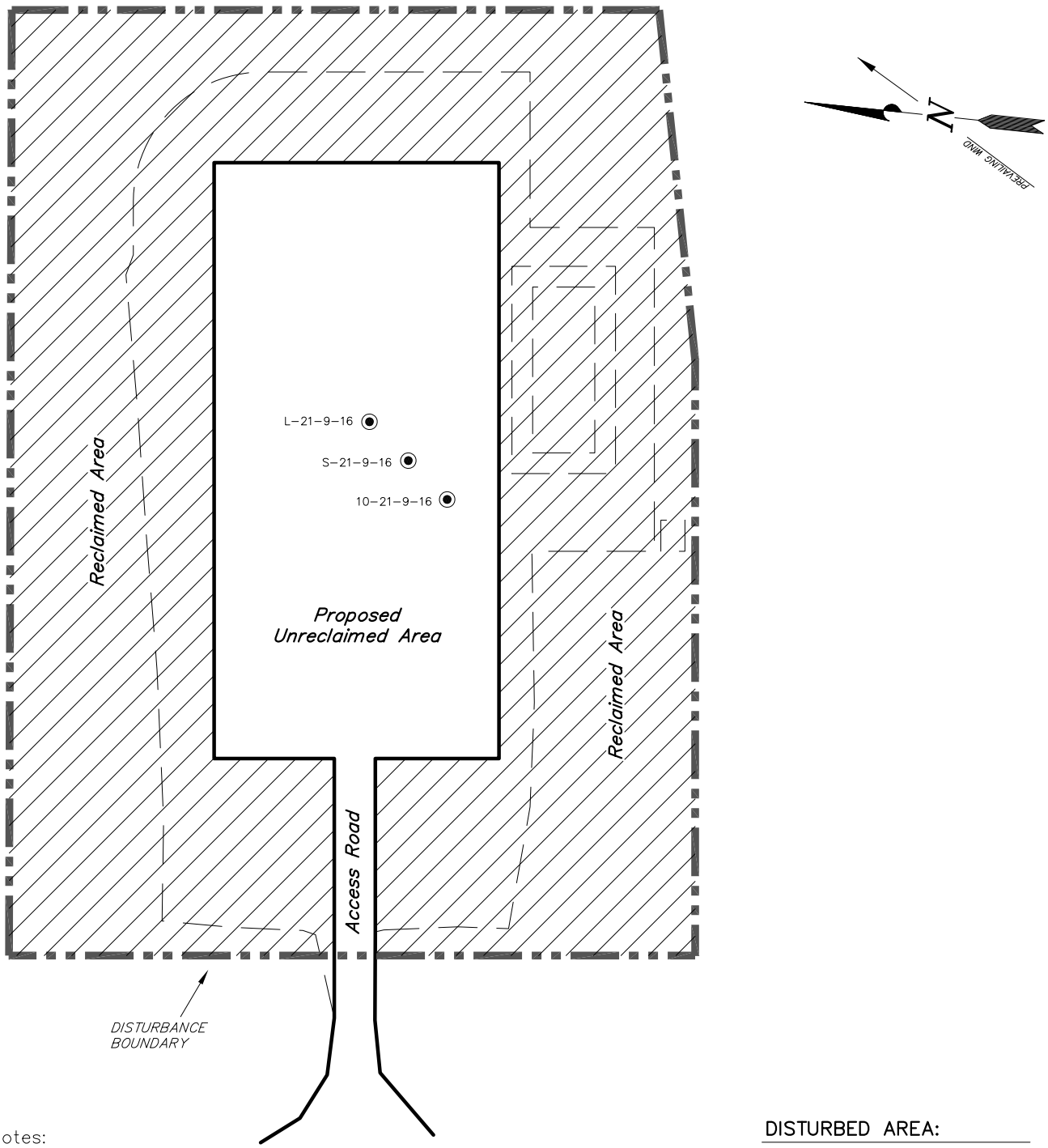
RECEIVED: September 30, 2013

NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.



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

DISTURBED AREA:

TOTAL DISTURBED AREA = ±2.19 ACRES
TOTAL RECLAIMED AREA = ±1.58 ACRES
UNRECLAIMED AREA = ±0.61 ACRES

SURVEYED BY: C.S.	DATE SURVEYED: 04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: September 30, 2013

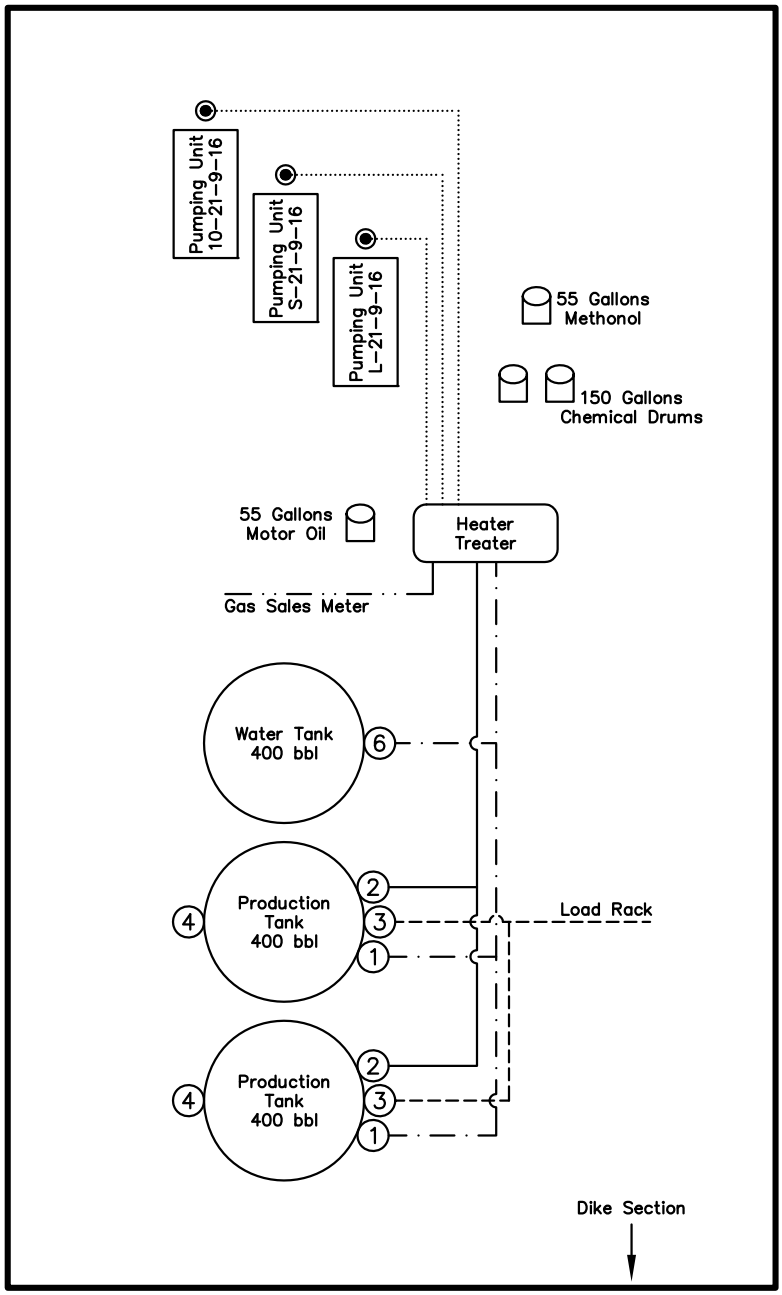
API Well Number: 43013525130000

NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

10-21-9-16 UTU-74392
S-21-9-16 UTU-74392
L-21-9-16 UTU-74392

Pad Location: NWSE Section 21, T9S, R16E, S.L.B.&M.
Duchesne County, Utah



Legend

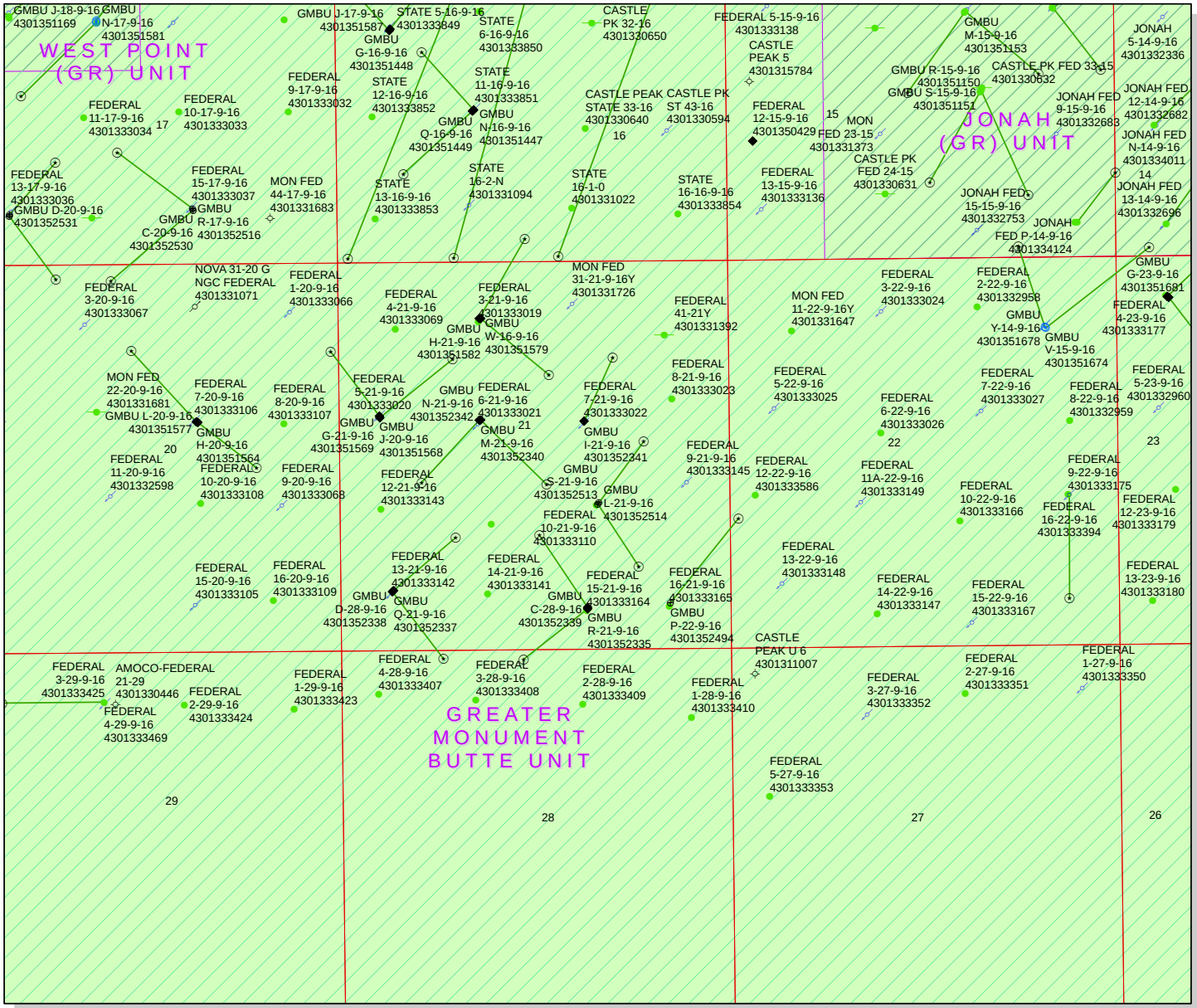
Emulsion Line	.....
Load Rack	- - - - - - - -
Water Line	— · — · —
Gas Sales	— · · — · · —
Oil Line	————

NOT TO SCALE

SURVEYED BY:	C.S.	DATE SURVEYED:	04-19-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	06-14-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	NONE	REVISED:			

RECEIVED: September 30, 2013

API Well Number: 43013525130000



API Number: 4301352513

Well Name: GMBU S-21-9-16

Township: T09.0S Range: R16.0E Section: 21 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 10/4/2013
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

1,700 850 0 1,700 Feet

1:16,807

RECEIVED: October 04, 2013

API Well Number: 43013525130000

NEWFIELD

VIA ELECTRONIC DELIVERY

October 16, 2013

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

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

RE: Directional Drilling
GMBU S-21-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 21: NWSE (UTU-74392)
2010' FSL 1788' FEL

At Target: T9S-R16E Section 21: SESE (UTU-74392)
1155' FSL 1240' 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 10/08/2013, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting 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: 43013525130000

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU74392

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 S-21-9-16

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: 435-646-4936

10. Field and Pool, or Exploratory
MONUMENT BUTTE

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

At surface NWSE 2010FSL 1788FEL

At proposed prod. zone SESE 1155FSL 1240FEL

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 21 T9S R16E Mer SLB

14. Distance in miles and direction from nearest town or post office*
20.7 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)
1155'

16. No. of Acres in Lease
2080.00

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.
958'

19. Proposed Depth
5926 MD
5823 TVD

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KB, RT, GL, etc.
6035 GL

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

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
(Electronic Submission)

Name (Printed/Typed)
HEATHER CALDER Ph: 435-646-4936

Date
10/08/2013

Title
PRODUCTION TECHNICIAN

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

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

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

Additional Operator Remarks (see next page)

Electronic Submission #222282 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal

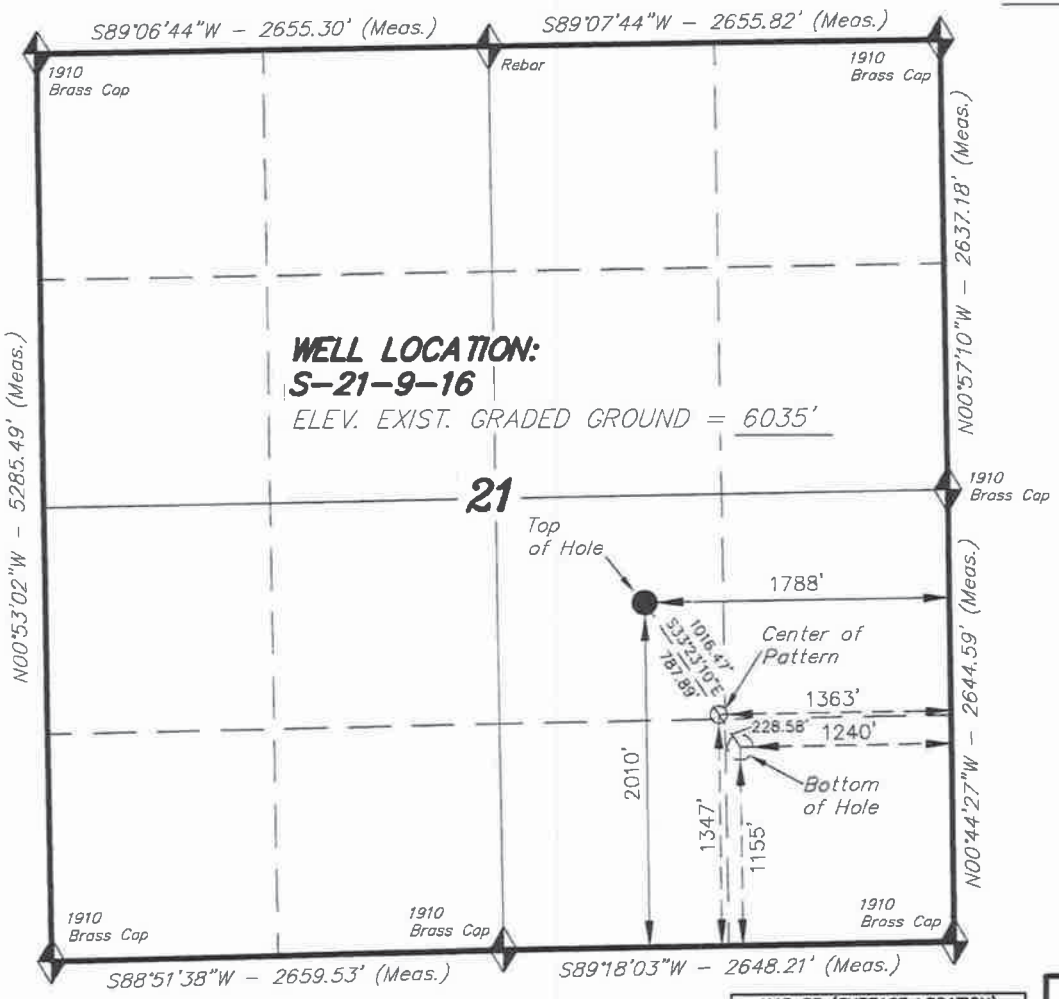
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional Operator Remarks:

SURFACE HOLE LEASE:UTU74392
BOTTOM HOLE LEASE:UTU74392

API Well Number: 43013525130000

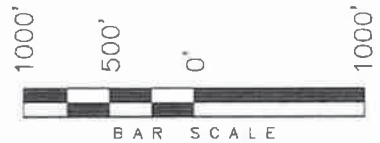
T9S, R16E, S.L.B.&M.



NEWFIELD EXPLORATION COMPANY

WELL LOCATION, S-21-9-16, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, S-21-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 21, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

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

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
06-18-13
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'

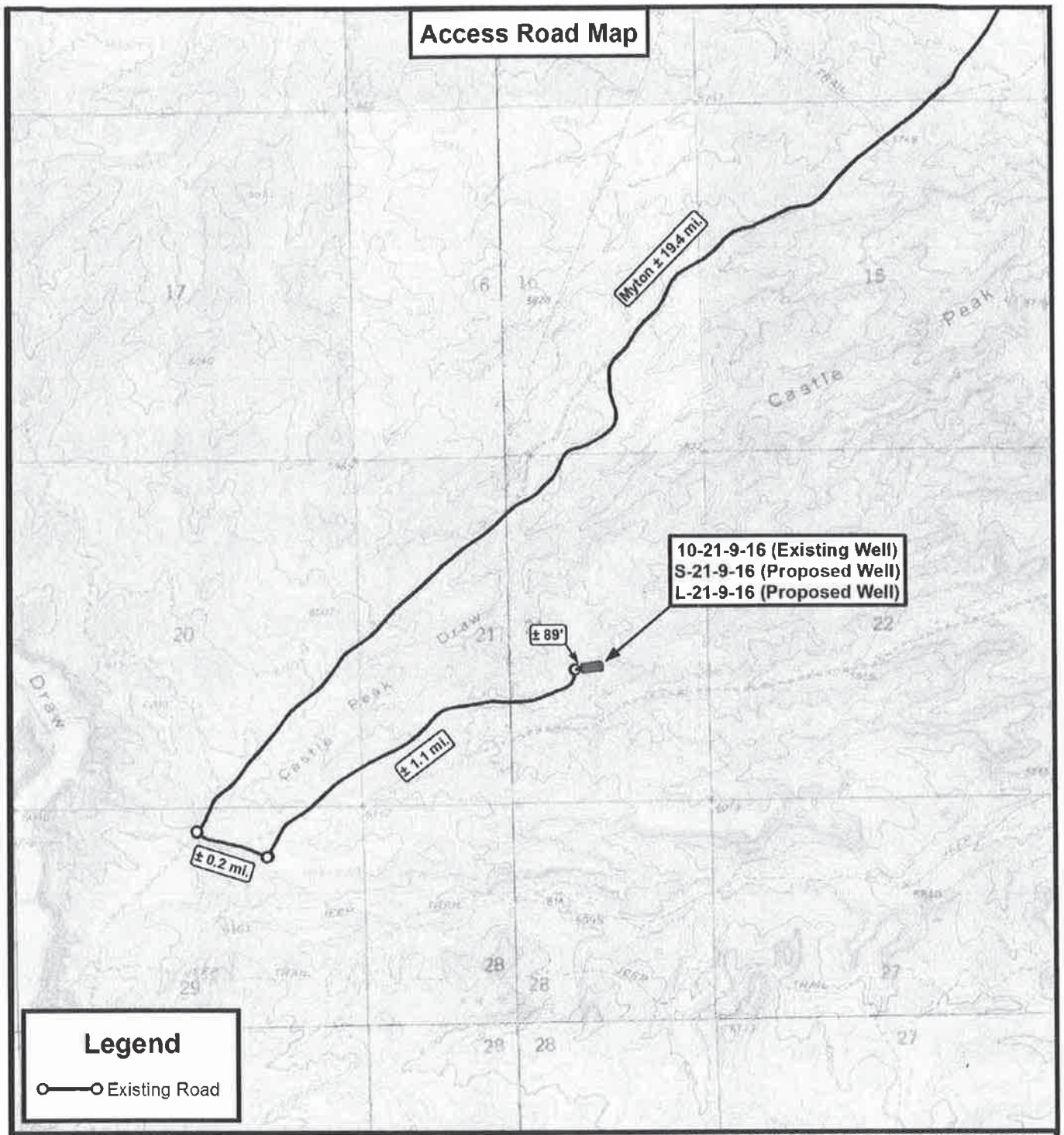
NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'52.75" LONGITUDE = 110°07'16.26"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'52.88" LONGITUDE = 110°07'13.71"

NAD 83 (CENTER OF PATTERN)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°00'46.18" LONGITUDE = 110°07'10.82"	LATITUDE = 40°00'44.28" LONGITUDE = 110°07'09.24"
NAD 27 (CENTER OF PATTERN)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°00'46.32" LONGITUDE = 110°07'08.27"	LATITUDE = 40°00'44.41" LONGITUDE = 110°07'06.70"

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

DATE SURVEYED: 04-19-13	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 06-18-13	DRAWN BY: L.K.	V1
REVISED:	SCALE: 1" = 1000'	

API Well Number: 43013525130000



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.
P: (435) 781-2501
F: (435) 781-2518
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

N

NEWFIELD EXPLORATION COMPANY

10-21-9-16 (Existing Well)
S-21-9-16 (Proposed Well)
L-21-9-16 (Proposed Well)
Sec. 21, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	06-14-2013		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)

October 21, 2013

Memorandum

To: Assistant Field Office Manager Minerals, Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

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

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

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

RECEIVED: October 22, 2013

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

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

RECEIVED: October 22, 2013

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

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

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.10.21 14:14:44 -06'00'

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

MCoulthard:mc:10-21-13

RECEIVED: October 22, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/30/2013
API NO. ASSIGNED: 43013525130000
WELL NAME: GMBU S-21-9-16
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 646-4936
CONTACT: Heather Calder

PROPOSED LOCATION: NWSE 21 090S 160E
Permit Tech Review: ✔

SURFACE: 2010 FSL 1788 FEL
Engineering Review: ☐

BOTTOM: 1155 FSL 1240 FEL
Geology Review: ✔

COUNTY: DUCHESNE
LATITUDE: 40.01458
LONGITUDE: -110.12127
UTM SURF EASTINGS: 574992.00
NORTHINGS: 4429745.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-74392
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 1 - Federal
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

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
15 - Directional - dmason
27 - Other - bhill

RECEIVED: October 22, 2013

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GMBU S-21-9-16
API Well Number: 43013525130000
Lease Number: UTU-74392
Surface Owner: FEDERAL
Approval Date: 10/22/2013

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

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

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

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

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

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

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

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

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

(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

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

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

Approved By:

For John Rogers
Associate Director, Oil & Gas

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU S-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013525130000

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: 2010 FSL 1788 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ✓ SPUD REPORT — Date of Spud: 10/3/2014
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ 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 10/3/14 drill and set 5' of 14" conductor. Drill f/5' to 331'KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" casing set depth 320'KB. On 10/6/14 cement with Halliburton with 155 sx of 15.8# 1.19 yield class G Neat cement. Returned 6 bbls back to pit and bumped plug to 774 psi.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 14, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian

SIGNATURE	DATE
N/A	10/13/2014

RECEIVED: Oct. 13, 2014

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
GMBU S-21-9-16	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013525130000	NWSE 2010 FSL 1788 FEL Sec 21 T9S R16E	GMBU CTB6	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500367176	Duchesne	Utah	10/8/2014 19:30	10/11/2014 13:00

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	16	10/3/2014	10/3/2014

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	16	10/3/2014	

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)
Condcuctor	14	13.500	36.75	H-40	Welded	1	5.00	11.0	16.0			

Jewelry Details

External Casing Packer

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

Inflation Fluid Type	Infl 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: Oct. 13, 2014

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
GMBU S-21-9-16	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013525130000	NWSE 2010 FSL 1788 FEL Sec 21 T9S R16E	GMBU CTB6	Development	Slant

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500367176	Duchesne	Utah	10/8/2014 19:30	10/11/2014 13:00

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	16	10/3/2014	10/3/2014
Vertical	12 1/4	16	331	10/3/2014	10/3/2014

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	10/3/2014	

Centralizers	Scratchers
3	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	1.75	11.0	12.8			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	41.80	12.8	54.6			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	220.55	54.6	275.1			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	275.1	276.1			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	42.40	276.1	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: Oct. 13, 2014

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU S-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013525130000

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: 2010 FSL 1788 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/22/2014	☐ 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
October 27, 2014
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech

SIGNATURE	DATE
N/A	10/15/2014

RECEIVED: Oct. 15, 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 43013525130000

API: 43013525130000
Well Name: GMBU S-21-9-16
Location: 2010 FSL 1788 FEL QTR NWSE SEC 21 TWNP 090S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 10/22/2013

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:** 10/15/2014
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Oct. 15, 2014

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 S-21-9-16
Qtr/Qtr NW/SE Section 21 Township 9S Range 16E
Lease Serial Number UTU-74392
API Number 43-013-52513

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

Date/Time 10/10/14 12:00 AM ☐ PM ☒

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

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

Date/Time 10/10/14 10:00 AM ☐ PM ☒

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU S-21-9-16
Qtr/Qtr NW/SE Section 21 Township 9S Range 16E
Lease Serial Number UTU-74392
API Number 43-013-52513

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

Date/Time 10/3/14 8:00 AM ☒ PM ☐

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

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

Date/Time 10/3/14 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 _____

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU S-21-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013525130000

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: 2010 FSL 1788 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 21 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ✓ DRILLING REPORT — Report Date: 11/7/2014

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ 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 11/07/2014 at 17:30 hours.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 18, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician

SIGNATURE	DATE
N/A	11/18/2014

RECEIVED: Nov. 18, 2014

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.: UTU74392

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 S-21-9-16

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

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

9. API Well No.: 43-013-52513

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

At surface: 2010' FSL 1788' FEL (NW/SE) SEC 21 T9S R16E (UTU-74392)

At top prod. interval reported below: 1354' FSL 1371' FEL (NW/SE) SEC 21 T9S R16E (UTU-74392)

At total depth: 1131' FSL 1233' FEL (SE/SE) SEC 21 T9S R16E (UTU-74392)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 21 T9S R16E Mer SLB

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 10/03/2014

15. Date T.D. Reached: 10/11/2014

16. Date Completed: 11/04/2014 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 6035' GL 6046' KB

18. Total Depth: MD 6106' TVD 6005'

19. Plug Back T.D.: MD 6064' TVD

20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage 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'	6088'		270 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@5492'	TA@5334'						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4654'	5354'	4654' - 5354' MD	0.34	48	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4654' - 5354' MD	Frac w/ 317,000#s of 20/40 white sand in 2,615 bbls of Lightning 17 fluid, in 3 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
11/7/14	11/17/14	24	→	58	0	130			2.5 x 1.75 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	3612'
				GARDEN GULCH 1	3826'
				GARDEN GULCH 2	3937'
				POINT 3	4178'
				X MRKR	4453'
				Y MRKR	4485'
				DOUGLAS CREEK MRK	4602'
				BI CARBONATE MRK	4837'
				B LIMESTONE MRK	4934'
				CASTLE PEAK	5468'
				BASAL CARBONATE	5943'
				WASATCH	6073'

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 11/25/2014

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)

Sundry Number: 58233 API Well Number: 4301352513000

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 21 T9S, R16E
S-21-9-16
Wellbore #1

Design: Actual

End of Well Report

20 October, 2014

PAYZONE DIRECTIONAL

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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 T9S, R16E

Site Position:		**Northing:**	7,178,195.78 usft	**Latitude:**	40° 1' 4.650 N
From:	Lat/Long	**Easting:**	2,023,590.50 usft	**Longitude:**	110° 7' 54.390 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.88 °

Well S-21-9-16, SHL: 40 00 52.75 -110 07 16.26

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,177,037.41 usft	**Latitude:**	40° 0' 52.750 N
	+E/-W	0.0 usft	**Easting:**	2,026,575.04 usft	**Longitude:**	110° 7' 16.260 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	6,046.0 usft	**Ground Level:**	6,035.0 usft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	10/6/2014	10.91	65.68	51,915

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	147.72

Survey Program **Date** 10/20/2014

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
379.0	6,106.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Sundry Number: 58233 API Well Number: 4301352513000

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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
379.0	1.49	113.30	379.0	4.1	-1.9	4.5	0.39	0.39	0.00
410.0	2.20	115.85	409.9	4.9	-2.4	5.4	2.31	2.29	8.23
441.0	2.86	112.82	440.9	6.0	-2.9	6.7	2.17	2.13	-9.77
471.0	3.25	122.53	470.9	7.4	-3.7	8.1	2.16	1.30	32.37
502.0	3.36	122.87	501.8	9.0	-4.6	9.6	0.36	0.35	1.10
533.0	2.99	115.81	532.8	10.6	-5.5	11.1	1.73	-1.19	-22.77
564.0	3.08	115.94	563.7	12.0	-6.2	12.6	0.29	0.29	0.42
594.0	3.38	123.76	593.7	13.4	-7.0	14.0	1.77	1.00	26.07
625.0	3.60	128.16	624.6	15.2	-8.2	15.5	1.12	0.71	14.19
656.0	3.82	131.32	655.6	17.1	-9.4	17.1	0.97	0.71	10.19
687.0	3.96	137.16	686.5	19.1	-10.9	18.6	1.35	0.45	18.84
717.0	4.31	144.50	716.4	21.3	-12.6	19.9	2.11	1.17	24.47
748.0	4.61	147.84	747.3	23.7	-14.6	21.3	1.28	0.97	10.77
779.0	4.88	147.67	778.2	26.3	-16.8	22.7	0.87	0.87	-0.55
810.0	5.19	149.29	809.1	29.0	-19.1	24.1	1.10	1.00	5.23
840.0	5.45	150.48	839.0	31.8	-21.5	25.5	0.94	0.87	3.97
871.0	6.11	152.11	869.8	34.9	-24.2	27.0	2.19	2.13	5.26
902.0	6.55	152.11	900.6	38.3	-27.2	28.6	1.42	1.42	0.00
933.0	6.99	152.68	931.4	41.9	-30.5	30.3	1.44	1.42	1.84
964.0	7.29	154.22	962.2	45.8	-33.9	32.0	1.15	0.97	4.97
994.0	7.69	152.15	991.9	49.7	-37.4	33.7	1.61	1.33	-6.90
1,025.0	8.35	153.28	1,022.6	54.0	-41.3	35.7	2.19	2.13	3.65
1,056.0	8.83	154.66	1,053.2	58.6	-45.4	37.8	1.69	1.55	4.45
1,102.0	9.89	154.61	1,098.6	66.0	-52.2	41.0	2.30	2.30	-0.11
1,145.0	10.85	155.23	1,140.9	73.7	-59.2	44.2	2.25	2.23	1.44
1,191.0	11.25	156.06	1,186.1	82.4	-67.2	47.9	0.94	0.87	1.80

Sundry Number: 58233 API Well Number: 4301352513000

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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)
1,237.0	11.68	157.25	1,231.2	91.4	-75.6	51.5	1.07	0.93	2.59
1,283.0	11.69	157.95	1,276.2	100.6	-84.2	55.0	0.31	0.02	1.52
1,327.0	11.95	158.65	1,319.3	109.5	-92.6	58.4	0.67	0.59	1.59
1,372.0	12.00	157.69	1,363.3	118.7	-101.3	61.9	0.46	0.11	-2.13
1,418.0	11.95	155.71	1,408.3	128.1	-110.0	65.6	0.90	-0.11	-4.30
1,464.0	11.91	154.64	1,453.3	137.5	-118.7	69.6	0.49	-0.09	-2.33
1,510.0	12.13	153.25	1,498.3	147.0	-127.3	73.8	0.79	0.48	-3.02
1,555.0	12.26	152.11	1,542.3	156.5	-135.7	78.2	0.61	0.29	-2.53
1,601.0	12.30	151.14	1,587.2	166.3	-144.3	82.8	0.46	0.09	-2.11
1,645.0	11.69	148.94	1,630.3	175.4	-152.2	87.4	1.73	-1.39	-5.00
1,689.0	11.29	146.48	1,673.4	184.2	-159.7	92.1	1.44	-0.91	-5.59
1,735.0	11.16	145.12	1,718.5	193.1	-167.1	97.1	0.64	-0.28	-2.96
1,781.0	11.16	142.04	1,763.6	202.0	-174.2	102.4	1.30	0.00	-6.70
1,826.0	11.07	138.75	1,807.8	210.6	-180.9	107.9	1.42	-0.20	-7.31
1,872.0	10.72	135.28	1,853.0	219.1	-187.3	113.8	1.62	-0.76	-7.54
1,916.0	10.63	138.04	1,896.2	227.1	-193.2	119.4	1.18	-0.20	6.27
1,960.0	10.55	141.03	1,939.4	235.1	-199.3	124.7	1.26	-0.18	6.80
2,006.0	10.55	139.89	1,984.7	243.5	-205.8	130.0	0.45	0.00	-2.48
2,051.0	10.50	139.54	2,028.9	251.6	-212.1	135.4	0.18	-0.11	-0.78
2,097.0	10.99	139.50	2,074.1	260.1	-218.6	140.9	1.07	1.07	-0.09
2,143.0	11.34	138.70	2,119.2	268.9	-225.4	146.8	0.83	0.76	-1.74
2,189.0	11.87	137.52	2,164.3	278.0	-232.2	152.9	1.26	1.15	-2.57
2,234.0	12.13	139.36	2,208.3	287.3	-239.3	159.1	1.03	0.58	4.09
2,280.0	11.61	144.30	2,253.3	296.7	-246.7	165.0	2.48	-1.13	10.74
2,326.0	11.73	146.15	2,298.4	306.0	-254.3	170.3	0.85	0.26	4.02
2,372.0	11.65	146.22	2,343.4	315.3	-262.1	175.5	0.18	-0.17	0.15
2,418.0	11.56	145.60	2,388.5	324.5	-269.7	180.7	0.33	-0.20	-1.35

Sundry Number: 58233 API Well Number: 4301352513000

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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)
2,462.0	11.69	146.66	2,431.6	333.4	-277.1	185.6	0.57	0.30	2.41
2,508.0	11.47	147.49	2,476.6	342.6	-284.8	190.6	0.60	-0.48	1.80
2,553.0	11.47	148.02	2,520.7	351.6	-292.4	195.4	0.23	0.00	1.18
2,599.0	11.56	148.99	2,565.8	360.8	-300.2	200.2	0.46	0.20	2.11
2,645.0	11.74	151.23	2,610.9	370.0	-308.3	204.8	1.06	0.39	4.87
2,689.0	12.30	154.66	2,653.9	379.2	-316.4	209.0	2.06	1.27	7.80
2,735.0	13.36	154.13	2,698.8	389.3	-325.7	213.4	2.32	2.30	-1.15
2,780.0	14.15	151.67	2,742.5	400.0	-335.2	218.3	2.18	1.76	-5.47
2,826.0	13.75	149.95	2,787.1	411.0	-344.9	223.7	1.25	-0.87	-3.74
2,872.0	12.46	151.84	2,831.9	421.4	-354.0	228.8	2.95	-2.80	4.11
2,916.0	12.57	152.11	2,874.9	430.9	-362.4	233.3	0.28	0.25	0.61
2,961.0	13.36	152.50	2,918.7	441.0	-371.3	237.9	1.77	1.76	0.87
3,007.0	12.35	152.99	2,963.6	451.2	-380.4	242.6	2.21	-2.20	1.07
3,053.0	10.90	151.75	3,008.6	460.4	-388.6	246.9	3.20	-3.15	-2.70
3,099.0	11.67	149.36	3,053.7	469.4	-396.5	251.4	1.96	1.67	-5.20
3,145.0	12.35	148.85	3,098.7	479.0	-404.7	256.3	1.50	1.48	-1.11
3,191.0	12.52	147.62	3,143.6	488.9	-413.1	261.5	0.68	0.37	-2.67
3,236.0	12.74	146.48	3,187.6	498.7	-421.4	266.8	0.74	0.49	-2.53
3,282.0	13.01	146.04	3,232.4	509.0	-429.9	272.5	0.62	0.59	-0.96
3,328.0	13.23	145.16	3,277.2	519.4	-438.5	278.4	0.65	0.48	-1.91
3,374.0	12.79	145.03	3,322.0	529.8	-447.0	284.4	0.96	-0.96	-0.28
3,419.0	12.17	145.38	3,366.0	539.5	-455.0	289.9	1.39	-1.38	0.78
3,465.0	12.46	147.33	3,410.9	549.3	-463.1	295.3	1.10	0.63	4.24
3,511.0	12.35	148.63	3,455.8	559.2	-471.5	300.6	0.65	-0.24	2.83
3,557.0	11.78	148.63	3,500.8	568.8	-479.7	305.6	1.24	-1.24	0.00
3,601.0	11.43	149.34	3,543.9	577.6	-487.3	310.1	0.86	-0.80	1.61
3,647.0	11.51	147.89	3,589.0	586.8	-495.1	314.9	0.65	0.17	-3.15

Sundry Number: 58233 API Well Number: 4301352513000

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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)
3,692.0	11.16	147.27	3,633.1	595.6	-502.6	319.6	0.82	-0.78	-1.38
3,736.0	10.63	146.39	3,676.3	603.9	-509.6	324.2	1.26	-1.20	-2.00
3,782.0	10.55	145.51	3,721.5	612.4	-516.6	328.9	0.39	-0.17	-1.91
3,828.0	10.90	149.07	3,766.7	620.9	-523.8	333.6	1.63	0.76	7.74
3,874.0	11.29	151.40	3,811.9	629.8	-531.4	337.9	1.29	0.85	5.07
3,920.0	10.77	151.62	3,857.0	638.6	-539.2	342.1	1.13	-1.13	0.48
3,966.0	10.50	149.87	3,902.2	647.0	-546.6	346.3	0.92	-0.59	-3.80
4,010.0	10.37	148.24	3,945.5	655.0	-553.4	350.4	0.73	-0.30	-3.70
4,055.0	10.55	146.09	3,989.8	663.2	-560.3	354.8	0.96	0.40	-4.78
4,101.0	10.81	146.22	4,035.0	671.7	-567.4	359.6	0.57	0.57	0.28
4,145.0	10.59	150.08	4,078.2	679.9	-574.3	363.9	1.70	-0.50	8.77
4,191.0	10.72	152.72	4,123.4	688.4	-581.8	367.9	1.10	0.28	5.74
4,236.0	11.12	149.95	4,167.6	696.9	-589.2	372.0	1.47	0.89	-6.16
4,282.0	11.25	149.38	4,212.7	705.8	-596.9	376.5	0.37	0.28	-1.24
4,328.0	11.34	148.24	4,257.8	714.8	-604.6	381.2	0.52	0.20	-2.48
4,374.0	11.29	147.14	4,302.9	723.8	-612.3	386.0	0.48	-0.11	-2.39
4,417.0	11.47	145.60	4,345.1	732.3	-619.3	390.7	0.82	0.42	-3.58
4,463.0	11.48	144.04	4,390.2	741.4	-626.8	396.0	0.67	0.02	-3.39
4,509.0	11.33	142.54	4,435.3	750.5	-634.1	401.4	0.72	-0.33	-3.26
4,555.0	11.29	142.26	4,480.4	759.5	-641.3	406.9	0.15	-0.09	-0.61
4,601.0	11.12	143.49	4,525.5	768.4	-648.4	412.3	0.64	-0.37	2.67
4,646.0	11.07	146.61	4,569.6	777.0	-655.5	417.3	1.34	-0.11	6.93
4,692.0	11.07	147.14	4,614.8	785.9	-662.9	422.1	0.22	0.00	1.15
4,738.0	11.25	147.40	4,659.9	794.8	-670.4	426.9	0.41	0.39	0.57
4,784.0	11.38	147.98	4,705.0	803.8	-678.0	431.8	0.38	0.28	1.26
4,828.0	11.34	148.55	4,748.2	812.5	-685.4	436.3	0.27	-0.09	1.30
4,873.0	10.64	147.76	4,792.3	821.0	-692.6	440.8	1.59	-1.56	-1.76

Sundry Number: 58233 API Well Number: 4301352513000

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**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)
4,919.0	10.06	147.76	4,837.6	829.3	-699.6	445.3	1.26	-1.26	0.00
4,965.0	9.80	148.55	4,882.9	837.2	-706.4	449.4	0.64	-0.57	1.72
5,011.0	9.67	151.01	4,928.2	845.0	-713.1	453.4	0.95	-0.28	5.35
5,056.0	9.98	152.15	4,972.6	852.7	-719.8	457.0	0.81	0.69	2.53
5,102.0	10.20	150.22	5,017.9	860.7	-726.9	460.9	0.88	0.48	-4.20
5,148.0	10.02	147.49	5,063.2	868.8	-733.8	465.1	1.11	-0.39	-5.93
5,194.0	9.48	147.16	5,108.5	876.6	-740.4	469.3	1.18	-1.17	-0.72
5,240.0	8.57	146.83	5,153.9	883.8	-746.4	473.2	1.98	-1.98	-0.72
5,285.0	9.05	145.51	5,198.4	890.7	-752.2	477.0	1.16	1.07	-2.93
5,329.0	10.06	144.06	5,241.8	898.0	-758.1	481.3	2.36	2.30	-3.30
5,373.0	12.39	145.21	5,284.9	906.5	-765.1	486.2	5.32	5.30	2.61
5,417.0	13.62	145.78	5,327.8	916.4	-773.3	491.8	2.81	2.80	1.30
5,463.0	13.18	145.16	5,372.6	927.1	-782.0	497.9	1.01	-0.96	-1.35
5,508.0	12.79	145.78	5,416.4	937.2	-790.4	503.6	0.92	-0.87	1.38
5,554.0	12.35	147.62	5,461.3	947.2	-798.7	509.1	1.29	-0.96	4.00
5,600.0	11.69	151.36	5,506.3	956.7	-807.0	514.0	2.22	-1.43	8.13
5,646.0	11.25	151.01	5,551.4	965.9	-815.0	518.4	0.97	-0.96	-0.76
5,689.0	11.73	150.88	5,593.5	974.4	-822.5	522.5	1.12	1.12	-0.30
5,735.0	11.43	149.91	5,638.6	983.7	-830.5	527.1	0.78	-0.65	-2.11
5,781.0	10.77	149.73	5,683.7	992.5	-838.2	531.5	1.44	-1.43	-0.39
5,827.0	10.14	149.80	5,729.0	1,000.8	-845.4	535.7	1.37	-1.37	0.15
5,873.0	9.58	149.95	5,774.3	1,008.7	-852.2	539.7	1.22	-1.22	0.33
5,918.0	8.53	150.26	5,818.7	1,015.8	-858.3	543.2	2.34	-2.33	0.69
5,964.0	7.69	148.68	5,864.2	1,022.3	-863.9	546.5	1.89	-1.83	-3.43
6,008.0	7.21	149.12	5,907.9	1,028.0	-868.8	549.5	1.10	-1.09	1.00
6,051.0	6.81	150.52	5,950.6	1,033.2	-873.3	552.1	1.01	-0.93	3.26
6,106.0	6.81	150.52	6,005.2	1,039.7	-879.0	555.3	0.00	0.00	0.00

Sundry Number: 58233 API Well Number: 4301352513000

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well S-21-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Site:	SECTION 21 T9S, R16E	**MD Reference:**	S-21-9-16 @ 6046.0usft (SS # 1)
Well:	S-21-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Checked By: _____ Approved By: _____ Date: _____

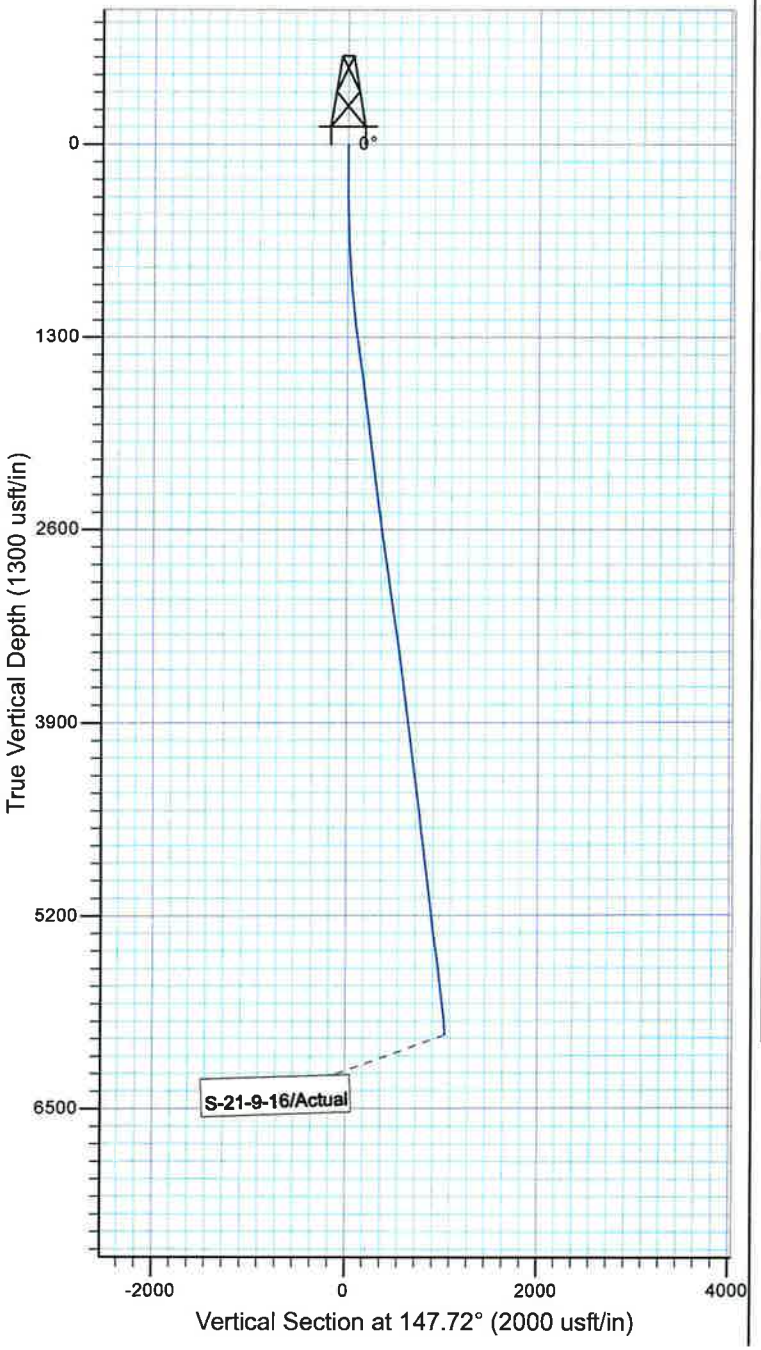
Sundry Number: 58233 API Well Number: 4301352513000 0

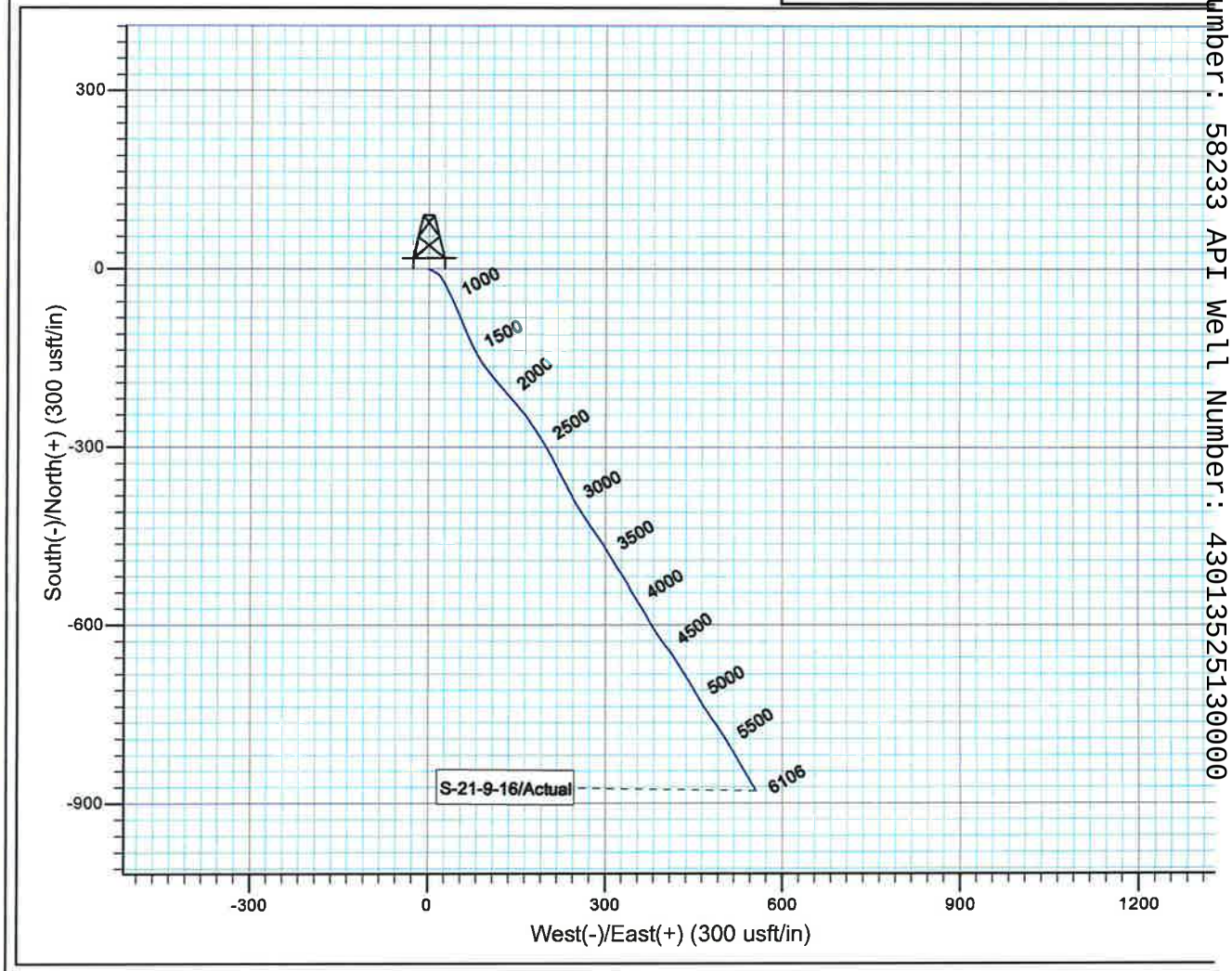
NEWFIELD

Project: USGS Myton SW (UT)
Site: SECTION 21 T9S, R16E
Well: S-21-9-16
Wellbore: Wellbore #1
Design: Actual

Azimuths to True North
Magnetic North: 10.91°

Magnetic Field
Strength: 51914.9snT
Dip Angle: 65.68°
Date: 10/6/2014
Model: IGRF2010





PAYZONE DIRECTIONAL

Design: Actual (S-21-9-16/Wellbore #1)

Created By: Matthew Linton Date: 7:17, October 20 2

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

Sundry Number: 58233 API Well Number: 4301352513000

NEWFIELD

Summary Rig Activity

Well Name: GMBU S-21-9-16

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/28/2014	10/29/2014	CBL/psi test/perf stg 1

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	06:30	RU Extreme Wireline & B&C Quicktest. Conduct safety mtg.
06:30	08:00	RIH w/CBL tools. Run log from 6024' to surface under 0 psi. Estimated cement top @ surface. SJ @ 3341-52'.
08:00	09:30	PSI test csg/frac valve/BOP-good tests
09:30	10:00	RIH w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) . Perforate LBLKSH @ 5350-54', 5330-32', 5308-10' w/2spf for total of 16 shots. POOH w/wireline.
10:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
10/30/2014	10/31/2014	Frac/flowback/set KP

Start Time	End Time	Comment
00:00	04:00	SDFN
04:00	05:30	Finish RU Halliburton. Get wtr/chem tests done.
05:30	05:45	Location safety mtg w/all hands
05:45	06:00	PSI test all frac iron and equipment
06:00	06:45	Stage #1, LBLKSH sands. 0 psi on well. Frac LBLKSH w/107,000#s of 20/40 White sand in 711 bbls 17# Delta fluid. Broke @ 3365 psi @ 5.7 BPM. ISIP 1528 psi, FG=.72, Treated w/ ave pressure of 2823 psi @ ave rate of 32.01 BPM. ISDP 2613 psi. FG=.92, 5 min SIP 2374 psi, 10 min SIP 2306 psi, 15 min SIP 2262 psi. Leave pressure on well. 945 total BWTR.
06:45	07:30	RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Halliburton blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 5130'. Perforate A1 sand @ 5060-64', 5040-42' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 12 shots.
07:30	08:00	Attempt to break zone. Unsuccesssful.
08:00	08:45	Run dump bailer w/acid to stg 2 perfs.
08:45	09:15	Stage #2 A1 sands. 2107 psi on well. Frac A1 sds w/80,000#s of 20/40 White sand in 516 bbls 17# Crosslinked fluid. Broke @ 2453 psi @ 10 BPM. Treated w/ ave pressure of 2527 psi @ ave rate of 32 BPM. ISDP 2205 psi. FG=.87 5 min SIP 1999 psi, 10 min SIP 1960 psi, 15 min SIP 1890 psi. Leave pressure on well. 689 total BWTR
09:15	10:00	RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/Halliburton blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4870'. Perforate C, D1 &D2 sands @ 4796-4800', 4782-84', 4694-96', 4654-56' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/2 spf for total of 20 shots.

Sundry Number: 58233 API Well Number: 4301352513000

NEWFIELD

Summary Rig Activity

Well Name: GMBU S-21-9-16

Start Time	End Time	Comment
10:00	10:45	Stage #3 C, D1 & D2 sands. 1518 psi on well. Frac C, D1 & D2 sds w/130,000#s of 20/40 White sand in 766 bbls 17# Crosslinked fluid. Broke @ 3960 psi @ 3.0 BPM Treated w/ ave pressure of 2993 psi @ ave rate of 36.3 BPM. ISDP 2000 psi. FG= .86, 5 min SIP 1852 psi, 10 min SIP 1755 psi, 15 min SIP 1669 psi. 981 total BWTR
10:45	15:00	Open well to pit @ 3bpm. Flow well until dead. Returned approx. 650 bbl.
15:00	17:30	Wait on frac of L-21 before setting KP.
17:30	18:00	RIH w/Weatherford 5k composite bridge plug. Set KP @ 4550', bleed psi off well.
18:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
10/31/2014	11/1/2014	MIRUSU/test rams/d/o KP

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	07:00	Crew travel & safety mtg
07:00	07:30	MISU
07:30	08:30	RU Nabors #1431
08:30	12:00	NU BOP, RU workfloor, prep & dreift tbg, PSI test BOP w/B&C Quicktest.
12:00	16:00	PU tbg, tag KP on jt 138, LD, stripped on rubber.
16:00	17:00	RU pwr swvl, build hardline.
17:00	18:00	catch circulation, 10 bbl, drill KP (17min), circ well clean.
18:00	18:30	SWIFW, drain pump & hardline. Clean up for night.
18:30	19:30	Crew travel
19:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
11/3/2014	11/4/2014	D/O plugs, C/O to PBTD, rt tbg

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	07:00	Crew travel & safety mtg
07:00	07:30	Csg 50#, tbg 0#. Rig maintenance
07:30	13:30	Swivelled in 10 jts tbg, tagged 2nd plug @ 4870', no fill. Pumped 50 bbl to catch circ, drill plug (20min). Swvl dwn 8 jts tbg, tagged 1st plug @ 5130', no fill, got plug stuck on bit, could come up but not down. LD 1 jt tbg due to stiff arm being at board, came up to catch plug in csg collar to pull plug off bit. Finished milling out plug, circ clean. Hang back swvl, PU & RIH w/26 jts, tag fill @ 6069'.

Sundry Number: 58233 API Well Number: 43013525130000

NEWFIELD

Summary Rig Activity

Well Name: GMBU S-21-9-16

Start Time	End Time	Comment
13:30	14:30	Wash thru 45' of fill to PB @ 6064', circ clean, rack out swvl
14:30	16:30	LD 19 jts tbg, POOH w/165 jts, bit & bit sub
16:30	17:30	MU & RIH w/PV, 2 jts, desander, 4' pup, 1 jt, SN, 1 jt, TAC, 101 jts 2 7/8" J55.
17:30	18:00	SWIFN, drain pump & lines, clean up for the night
18:00	19:00	Crew travel
19:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
11/4/2014	11/5/2014	land tbg, RIh w/rods & pump, RDMO

Start Time	End Time	Comment
00:00	07:00	SDFN
07:00	08:00	Crew travel & safety mtg
08:00	08:30	0# csg, tbg on suck. Rig maintenance
08:30	09:30	RIH w/60 jts, land well w/hanger
09:30	11:30	RD tongs & floor, ND pipe rams, set TAC w/18000# tension, NU WH, xo to rod equip., NU BOPs on L-21, SI rod trailer.
11:30	14:30	PU & prime pump, MU & RIH w/2.5x1.75x22' RHAC, 30-7/8" 8 per, 114-3/4" 4 per, 69-7/8" 4 per, 30' polish rod.
14:30	15:30	Fill tbg w/10 bbl, S.T. pump to 800#, hang head, S.L. 145, PWO @ 1530
15:30	17:00	Prep to RD, RD, prep to move rig.
17:00	18:00	Spot tee sill & rig, prep to RU, clean up for the night
18:00	19:00	Crew travel
19:00	00:00	SDFN

Sundry Number: 58233 API Well Number: 4301352513000