

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 L-2-9-17
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		7. OPERATOR PHONE 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052		9. OPERATOR E-MAIL mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-45555	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1632 FNL 2290 FEL	SWNE	2	9.0 S	17.0 E	S
Top of Uppermost Producing Zone	2253 FNL 1782 FEL	SWNE	2	9.0 S	17.0 E	S
At Total Depth	2335 FSL 1235 FEL	NESE	2	9.0 S	17.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1235	23. NUMBER OF ACRES IN DRILLING UNIT 20
27. ELEVATION - GROUND LEVEL 5043	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 727	26. PROPOSED DEPTH MD: 6466 TVD: 6195
	28. BOND NUMBER B001834	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6466	15.5	J-55 LT&C	8.3	Premium Lite High Strength	309	3.26	11.0
							50/50 Poz	363	1.24	14.3

ATTACHMENTS

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

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

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 05/24/2012	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43047527610000	APPROVAL  Permit Manager	

NEWFIELD PRODUCTION COMPANY
GMBU L-2-9-17
AT SURFACE: SW/NE SECTION 2, T9S, R17E
UINTAH 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' – 1395'
Green River	1395'
Wasatch	6135'
Proposed TD	6466'

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

Green River Formation (Oil) 1395' – 6135'

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

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

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

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

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

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU L-2-9-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,466'	15.5	J-55	LTC	4,810 2.34	4,040 1.96	217,000 2.17

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 L-2-9-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,466'	Prem Lite II w/ 10% gel + 3% KCl	309	30%	11.0	3.26
			1006			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

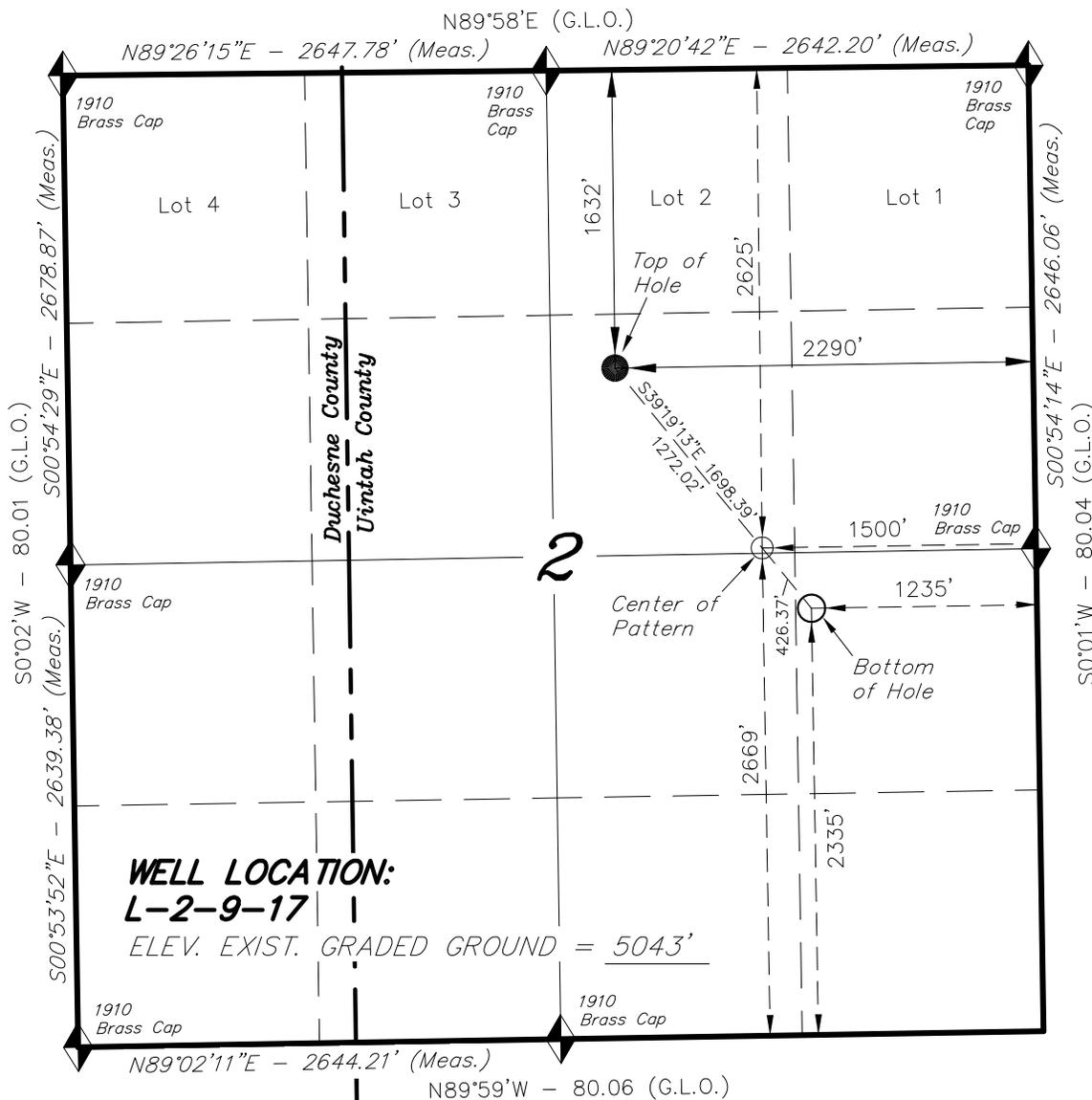
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2012, and take approximately seven (7) days from spud to rig release.

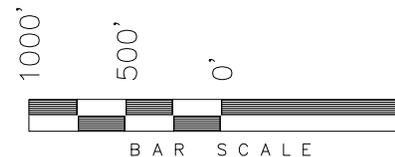
T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, L-2-9-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, L-2-9-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. UTAH 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 LAND 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.

REGISTERS LAND SURVEYOR
 No. 189377
 01-20-12
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 189377
 STATE OF UTAH

**WELL LOCATION:
L-2-9-17**

ELEV. EXIST. GRADED GROUND = 5043'

◆ = SECTION CORNERS LOCATED

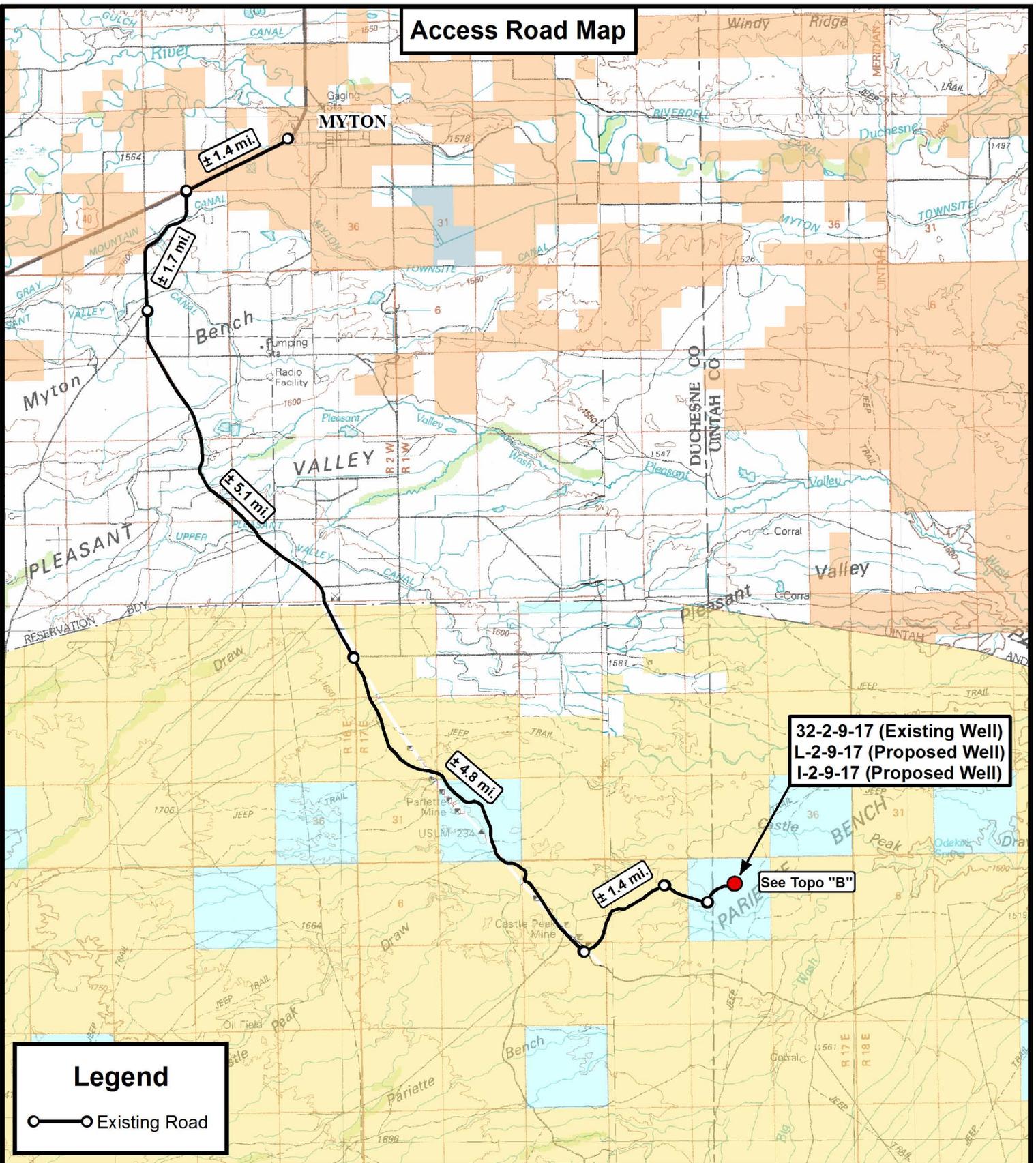
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

L-2-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 03' 45.88"
 LONGITUDE = 109° 58' 21.22"

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

DATE SURVEYED: 09-26-11	SURVEYED BY: C.D.S.	VERSION:
DATE DRAWN: 01-20-12	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

Access Road Map



32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)

See Topo "B"

Legend

○—○ Existing Road



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

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



NEWFIELD EXPLORATION COMPANY

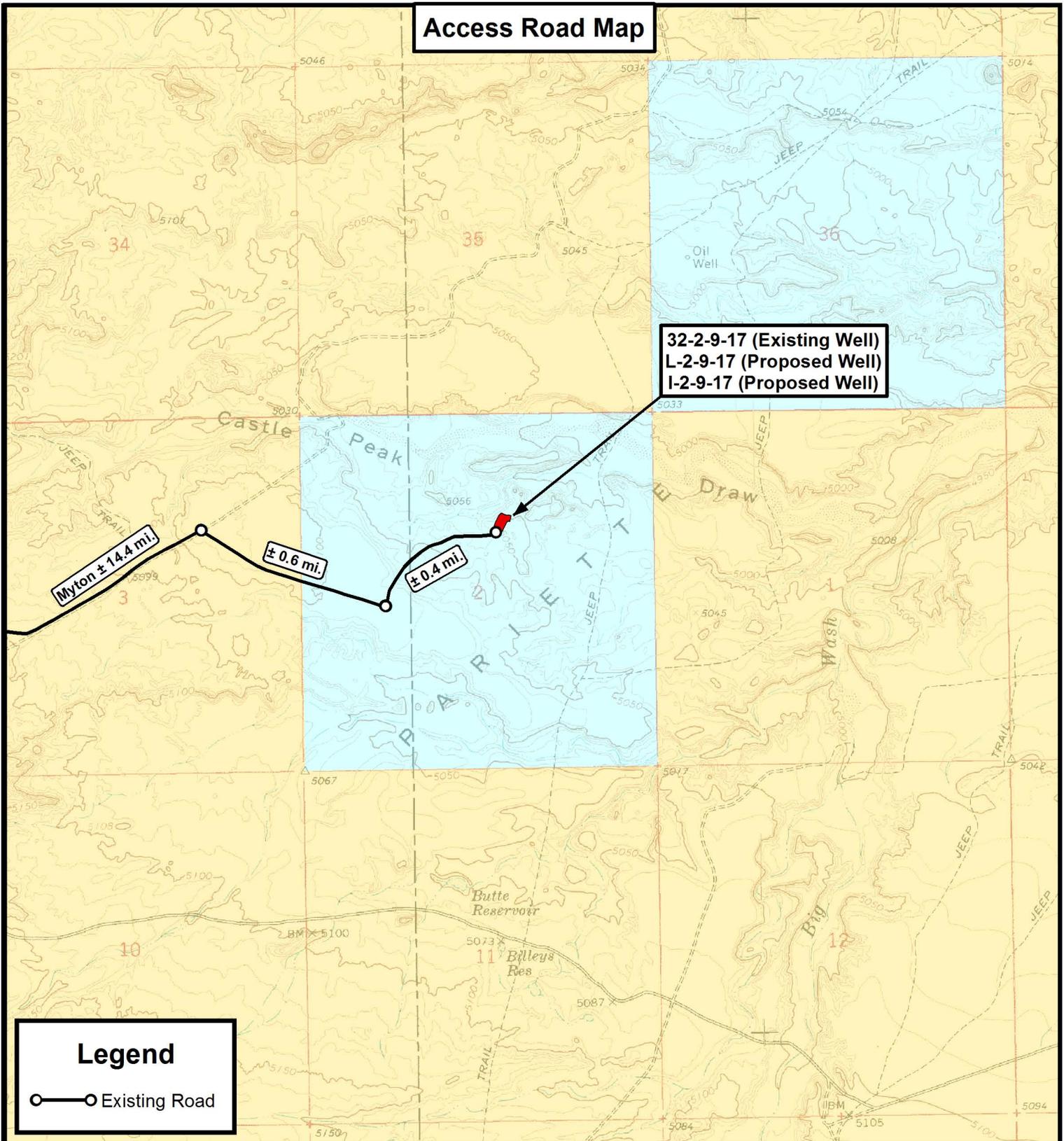
32-2-9-17 (Existing Well)
 L-2-9-17 (Proposed Well)
 I-2-9-17 (Proposed Well)
 SEC. 2, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2012		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



**32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)**

Myton ± 14.4 mi.

± 0.6 mi.

± 0.4 mi.

Legend

○ — ○ Existing Road

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

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Land Surveying, Inc.**
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NEWFIELD EXPLORATION COMPANY

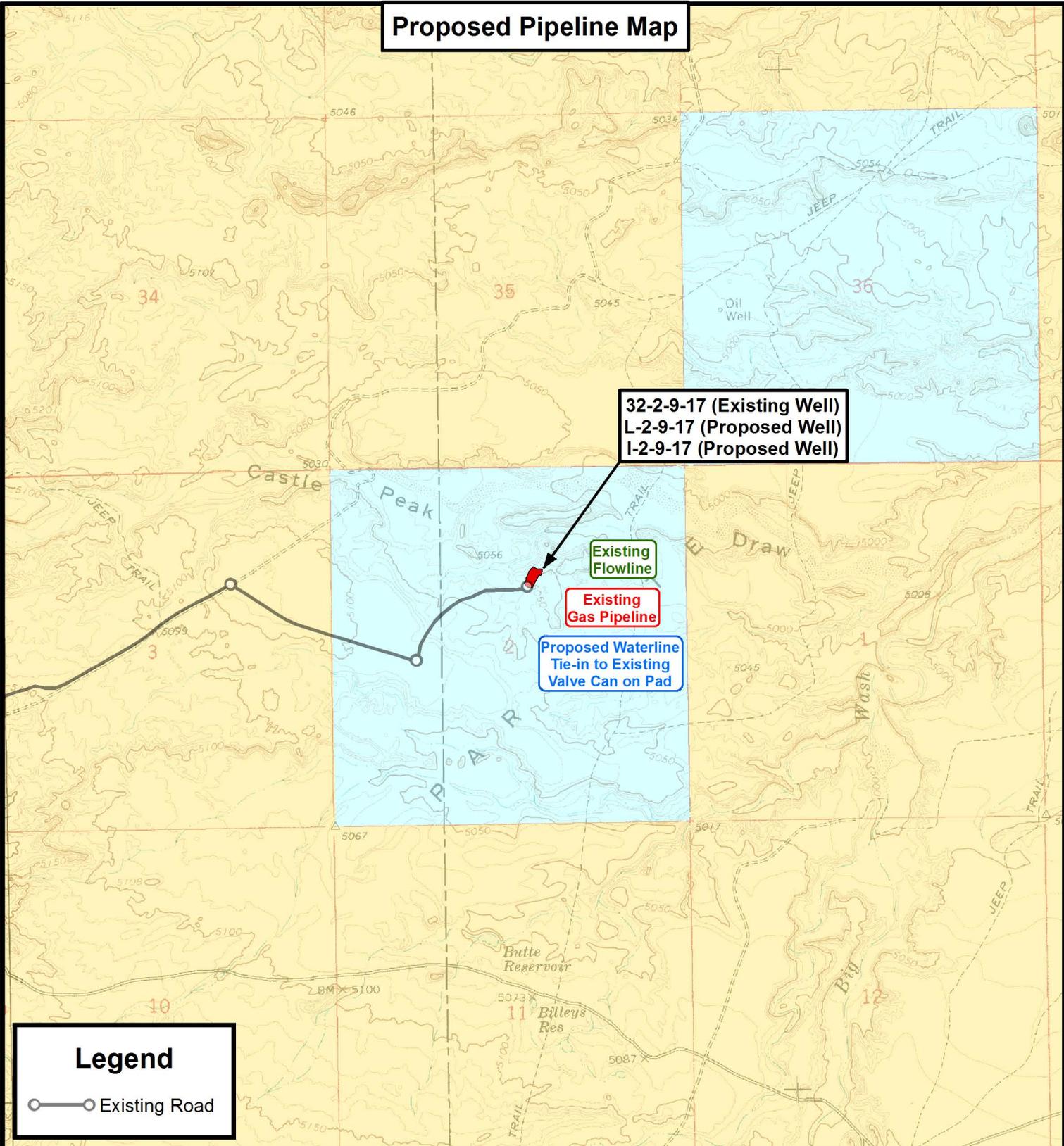
**32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)
SEC. 2, T9S, R17E, S.L.B.&M. Uintah County, UT.**

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)**

Existing Flowline

Existing Gas Pipeline

Proposed Waterline Tie-in to Existing Valve Can on Pad

Legend

○—○ Existing Road

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



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F: (435) 781-2518

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2012		V1
SCALE:	1" = 2,000'		



NEWFIELD EXPLORATION COMPANY

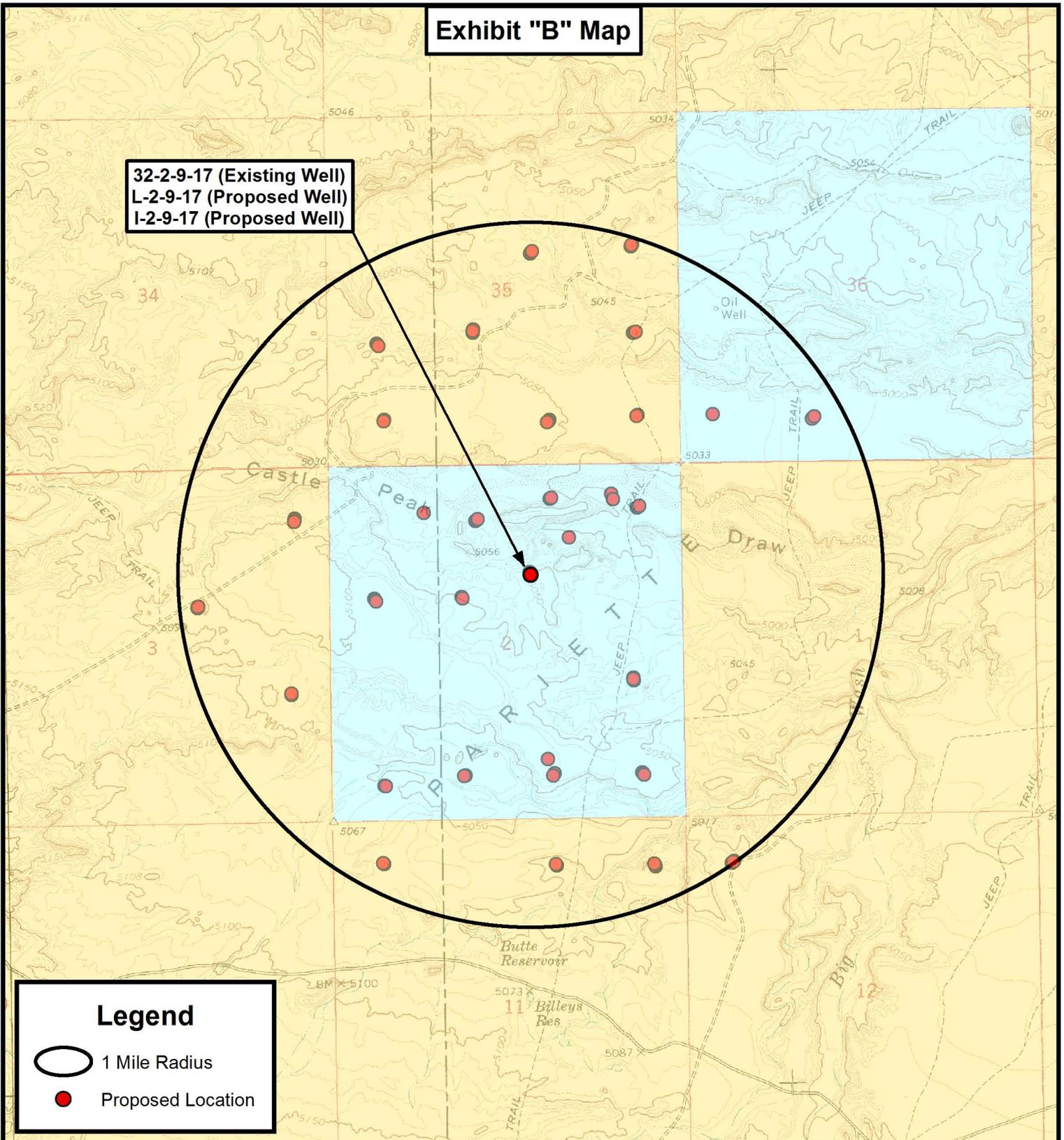
32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)
SEC. 2, T9S, R17E, S.L.B.&M. Uintah County, UT.

TOPOGRAPHIC MAP

SHEET **C**

Exhibit "B" Map

32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)



Legend

-  1 Mile Radius
-  Proposed Location

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



NEWFIELD EXPLORATION COMPANY

32-2-9-17 (Existing Well)
 L-2-9-17 (Proposed Well)
 I-2-9-17 (Proposed Well)

SEC. 2, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET **D**



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 2 T9S, R17E
L-2-9-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

11 January, 2012





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-2-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Site:	SECTION 2 T9S, R17E	North Reference:	True
Well:	L-2-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9S, R17E, SEC 2 T9S, R17E				
Site Position:		Northing:	7,194,800.00 ft	Latitude:	40° 3' 41.746 N
From:	Lat/Long	Easting:	2,067,293.09 ft	Longitude:	109° 58' 29.067 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.98 °

Well	L-2-9-17, SHL LAT: 40 03 45.88 LONG: -109 58 21.22					
Well Position	+N/-S	418.3 ft	Northing:	7,195,228.67 ft	Latitude:	40° 3' 45.880 N
	+E/-W	610.1 ft	Easting:	2,067,895.95 ft	Longitude:	109° 58' 21.220 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,055.0 ft	Ground Level:	5,043.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/11/2012	11.21	65.81	52,240

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	140.68

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	
1,860.4	18.91	140.68	1,837.6	-159.4	130.6	1.50	1.50	0.00	140.68	
5,150.2	18.91	140.68	4,950.0	-984.1	806.0	0.00	0.00	0.00	0.00	L-2-9-17 TGT
6,466.2	18.91	140.68	6,195.0	-1,313.9	1,076.2	0.00	0.00	0.00	0.00	



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-2-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Site:	SECTION 2 T9S, R17E	North Reference:	True
Well:	L-2-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	140.68	700.0	-1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	140.68	799.9	-4.0	3.3	5.2	1.50	1.50	0.00
900.0	4.50	140.68	899.7	-9.1	7.5	11.8	1.50	1.50	0.00
1,000.0	6.00	140.68	999.3	-16.2	13.3	20.9	1.50	1.50	0.00
1,100.0	7.50	140.68	1,098.6	-25.3	20.7	32.7	1.50	1.50	0.00
1,200.0	9.00	140.68	1,197.5	-36.4	29.8	47.0	1.50	1.50	0.00
1,300.0	10.50	140.68	1,296.1	-49.5	40.5	64.0	1.50	1.50	0.00
1,400.0	12.00	140.68	1,394.2	-64.6	52.9	83.5	1.50	1.50	0.00
1,500.0	13.50	140.68	1,491.7	-81.6	66.9	105.5	1.50	1.50	0.00
1,600.0	15.00	140.68	1,588.6	-100.7	82.5	130.2	1.50	1.50	0.00
1,700.0	16.50	140.68	1,684.9	-121.7	99.7	157.3	1.50	1.50	0.00
1,800.0	18.00	140.68	1,780.4	-144.6	118.5	186.9	1.50	1.50	0.00
1,860.4	18.91	140.68	1,837.6	-159.4	130.6	206.1	1.50	1.50	0.00
1,900.0	18.91	140.68	1,875.1	-169.3	138.7	218.9	0.00	0.00	0.00
2,000.0	18.91	140.68	1,969.7	-194.4	159.2	251.3	0.00	0.00	0.00
2,100.0	18.91	140.68	2,064.3	-219.5	179.8	283.7	0.00	0.00	0.00
2,200.0	18.91	140.68	2,158.9	-244.5	200.3	316.1	0.00	0.00	0.00
2,300.0	18.91	140.68	2,253.5	-269.6	220.8	348.5	0.00	0.00	0.00
2,400.0	18.91	140.68	2,348.1	-294.7	241.4	380.9	0.00	0.00	0.00
2,500.0	18.91	140.68	2,442.7	-319.7	261.9	413.3	0.00	0.00	0.00
2,600.0	18.91	140.68	2,537.4	-344.8	282.4	445.7	0.00	0.00	0.00
2,700.0	18.91	140.68	2,632.0	-369.9	303.0	478.1	0.00	0.00	0.00
2,800.0	18.91	140.68	2,726.6	-394.9	323.5	510.5	0.00	0.00	0.00
2,900.0	18.91	140.68	2,821.2	-420.0	344.0	542.9	0.00	0.00	0.00
3,000.0	18.91	140.68	2,915.8	-445.1	364.5	575.3	0.00	0.00	0.00
3,100.0	18.91	140.68	3,010.4	-470.1	385.1	607.7	0.00	0.00	0.00
3,200.0	18.91	140.68	3,105.0	-495.2	405.6	640.1	0.00	0.00	0.00
3,300.0	18.91	140.68	3,199.6	-520.3	426.1	672.5	0.00	0.00	0.00
3,400.0	18.91	140.68	3,294.2	-545.3	446.7	704.9	0.00	0.00	0.00
3,500.0	18.91	140.68	3,388.8	-570.4	467.2	737.3	0.00	0.00	0.00
3,600.0	18.91	140.68	3,483.4	-595.5	487.7	769.7	0.00	0.00	0.00
3,700.0	18.91	140.68	3,578.0	-620.5	508.3	802.1	0.00	0.00	0.00
3,800.0	18.91	140.68	3,672.6	-645.6	528.8	834.5	0.00	0.00	0.00
3,900.0	18.91	140.68	3,767.2	-670.7	549.3	866.9	0.00	0.00	0.00
4,000.0	18.91	140.68	3,861.8	-695.7	569.9	899.3	0.00	0.00	0.00
4,100.0	18.91	140.68	3,956.4	-720.8	590.4	931.7	0.00	0.00	0.00
4,200.0	18.91	140.68	4,051.0	-745.9	610.9	964.1	0.00	0.00	0.00
4,300.0	18.91	140.68	4,145.6	-770.9	631.5	996.5	0.00	0.00	0.00
4,400.0	18.91	140.68	4,240.2	-796.0	652.0	1,028.9	0.00	0.00	0.00
4,500.0	18.91	140.68	4,334.9	-821.1	672.5	1,061.3	0.00	0.00	0.00
4,600.0	18.91	140.68	4,429.5	-846.1	693.0	1,093.7	0.00	0.00	0.00
4,700.0	18.91	140.68	4,524.1	-871.2	713.6	1,126.1	0.00	0.00	0.00
4,800.0	18.91	140.68	4,618.7	-896.3	734.1	1,158.5	0.00	0.00	0.00
4,900.0	18.91	140.68	4,713.3	-921.3	754.6	1,190.9	0.00	0.00	0.00
5,000.0	18.91	140.68	4,807.9	-946.4	775.2	1,223.3	0.00	0.00	0.00
5,100.0	18.91	140.68	4,902.5	-971.5	795.7	1,255.7	0.00	0.00	0.00
5,150.2	18.91	140.68	4,950.0	-984.1	806.0	1,272.0	0.00	0.00	0.00



Payzone Directional

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well L-2-9-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	L-2-9-17 @ 5055.0ft (Newfield Rig)
Site:	SECTION 2 T9S, R17E	North Reference:	True
Well:	L-2-9-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,200.0	18.91	140.68	4,997.1	-996.5	816.2	1,288.1	0.00	0.00	0.00	
5,300.0	18.91	140.68	5,091.7	-1,021.6	836.8	1,320.5	0.00	0.00	0.00	
5,400.0	18.91	140.68	5,186.3	-1,046.7	857.3	1,352.9	0.00	0.00	0.00	
5,500.0	18.91	140.68	5,280.9	-1,071.7	877.8	1,385.4	0.00	0.00	0.00	
5,600.0	18.91	140.68	5,375.5	-1,096.8	898.4	1,417.8	0.00	0.00	0.00	
5,700.0	18.91	140.68	5,470.1	-1,121.9	918.9	1,450.2	0.00	0.00	0.00	
5,800.0	18.91	140.68	5,564.7	-1,146.9	939.4	1,482.6	0.00	0.00	0.00	
5,900.0	18.91	140.68	5,659.3	-1,172.0	960.0	1,515.0	0.00	0.00	0.00	
6,000.0	18.91	140.68	5,753.9	-1,197.1	980.5	1,547.4	0.00	0.00	0.00	
6,100.0	18.91	140.68	5,848.5	-1,222.1	1,001.0	1,579.8	0.00	0.00	0.00	
6,200.0	18.91	140.68	5,943.1	-1,247.2	1,021.5	1,612.2	0.00	0.00	0.00	
6,300.0	18.91	140.68	6,037.7	-1,272.3	1,042.1	1,644.6	0.00	0.00	0.00	
6,400.0	18.91	140.68	6,132.3	-1,297.3	1,062.6	1,677.0	0.00	0.00	0.00	
6,466.2	18.91	140.68	6,195.0	-1,313.9	1,076.2	1,698.4	0.00	0.00	0.00	



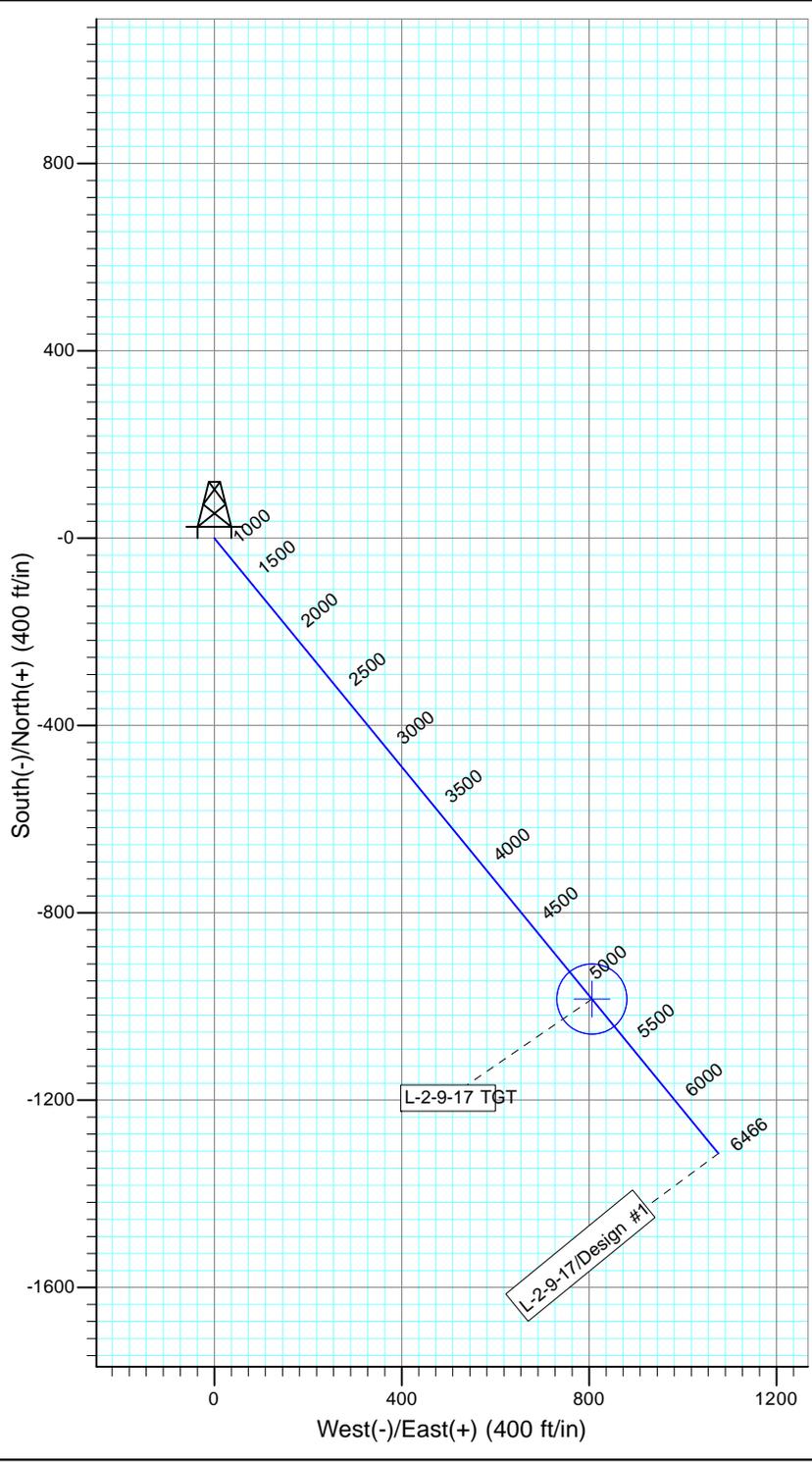
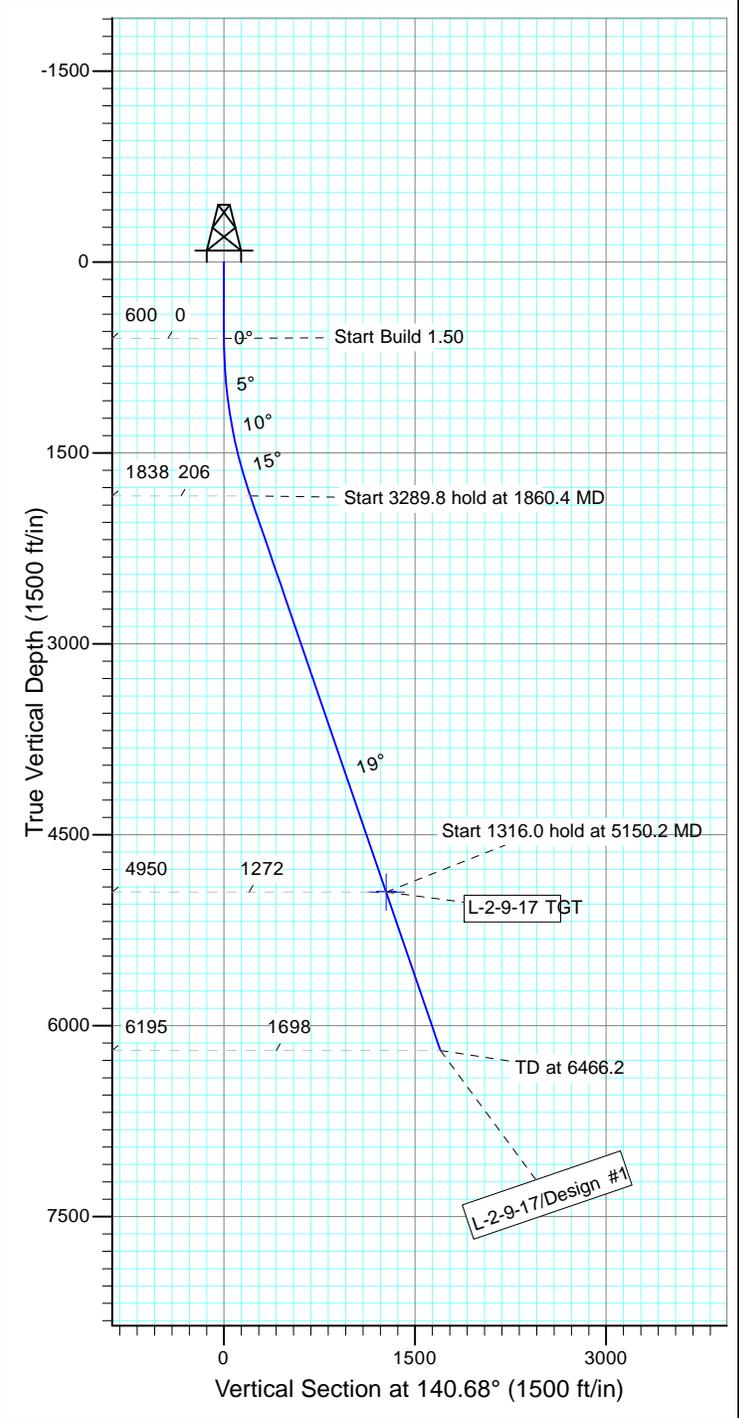
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9S, R17E
 Well: L-2-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.21°

Magnetic Field
 Strength: 52239.6snT
 Dip Angle: 65.81°
 Date: 1/11/2012
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
L-2-9-17 TGT	4950.0	-984.1	806.0	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	1860.4	18.91	140.68	1837.6	-159.4	130.6	1.50	140.68	206.1	
4	5150.2	218.91	140.68	4950.0	-984.1	806.0	0.00	0.00	1272.0	L-2-9-17 TGT
5	6466.2	218.91	140.68	6195.0	-1313.9	1076.2	0.00	0.00	1698.4	



**NEWFIELD PRODUCTION COMPANY
GMBU L-2-9-17
AT SURFACE: SW/NE SECTION 2, T9S, R17E
UINTAH 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 L-2-9-17 located in the SW 1/4 NE 1/4 Section 2, T9S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 1.4 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 0.6 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction - 0.4 miles \pm to the existing 32-2-9-17 well pad.

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 32-2-9-17 well pad. See attached **Topographic Map "B"**.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

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

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

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

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

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) 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.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

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

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

- a) Producing Location

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

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

- b) Dry Hole Abandoned Location

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

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU L-2-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU L-2-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #L-2-9-17, Section 2, Township 9S, Range 17E: Lease ML-45555 Uintah 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 #B001834.

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

5/23/12

Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

32-2-9-17 (Existing Well)

L-2-9-17 (Proposed Well)

I-2-9-17 (Proposed Well)

Pad Location: SWNE Section 2, T9S, R17E, S.L.B.&M.



CENTER OF PATTERN FOOTAGES

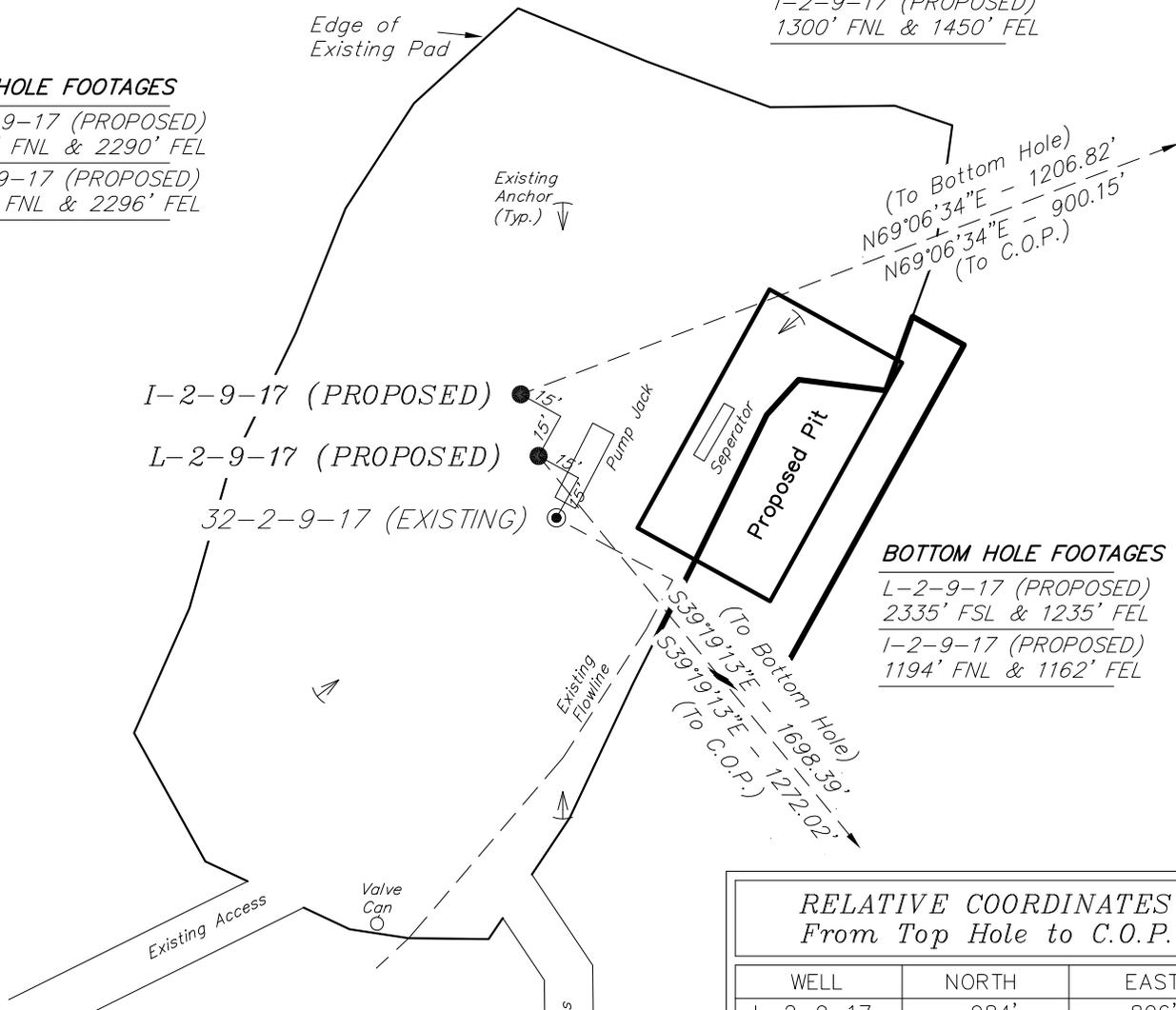
L-2-9-17 (PROPOSED)
2625' FNL & 1500' FEL

I-2-9-17 (PROPOSED)
1300' FNL & 1450' FEL

TOP HOLE FOOTAGES

L-2-9-17 (PROPOSED)
1632' FNL & 2290' FEL

I-2-9-17 (PROPOSED)
1611' FNL & 2296' FEL



BOTTOM HOLE FOOTAGES

L-2-9-17 (PROPOSED)
2335' FSL & 1235' FEL

I-2-9-17 (PROPOSED)
1194' FNL & 1162' FEL

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

WELL	NORTH	EAST
L-2-9-17	-984'	806'
I-2-9-17	321'	841'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
32-2-9-17	40° 03' 45.68"	109° 58' 21.15"
L-2-9-17	40° 03' 45.88"	109° 58' 21.22"
I-2-9-17	40° 03' 46.08"	109° 58' 21.29"

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
L-2-9-17	-1,314'	1,076'
I-2-9-17	430'	1,128'

Note:

Bearings are based on GPS Observations.

SURVEYED BY: D.G.	DATE SURVEYED: 5-27-11	VERSION: V1
DRAWN BY: R.B.T.	DATE DRAWN: 10-17-11	
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

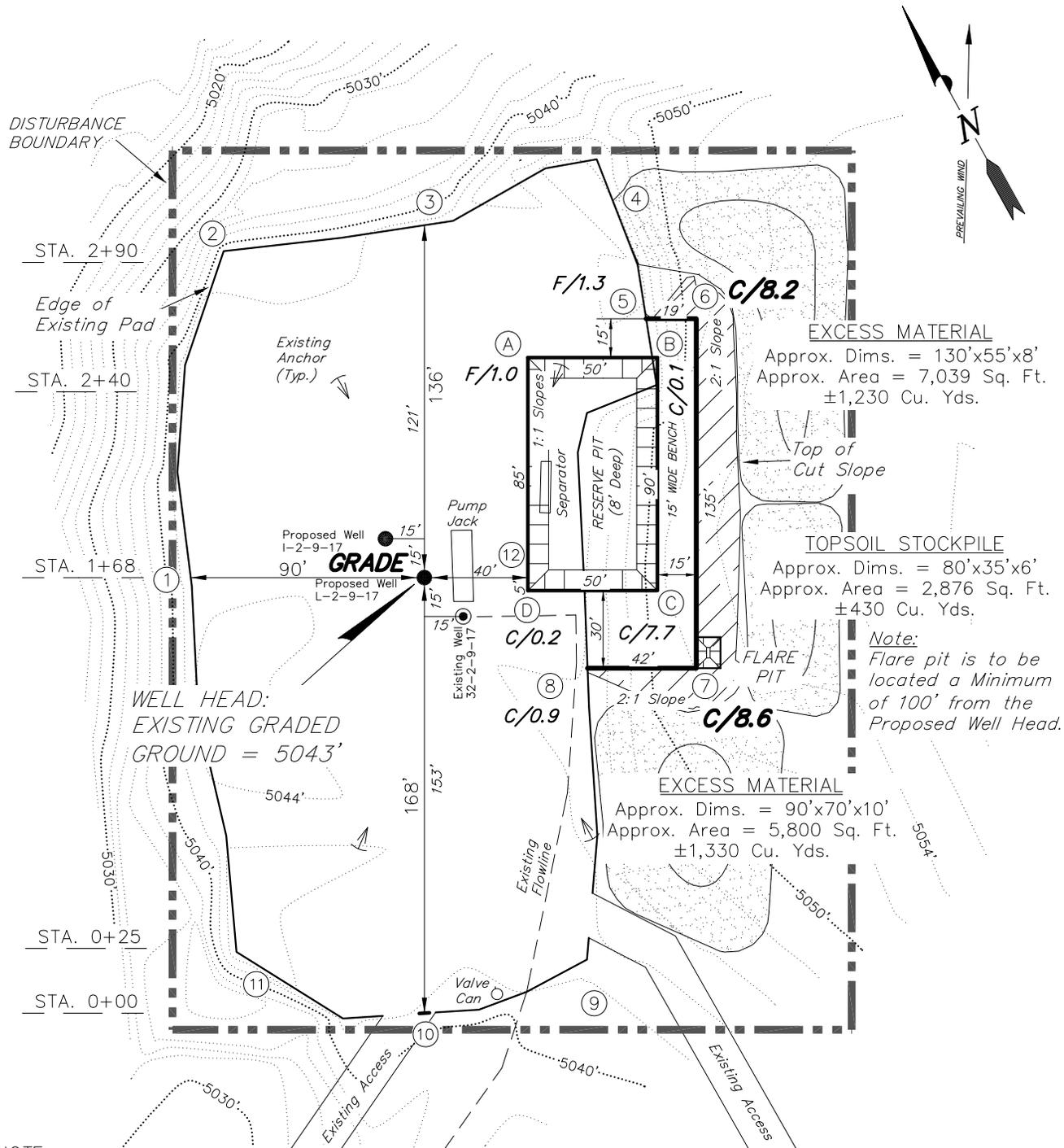
LOCATION LAYOUT

32-2-9-17 (Existing Well)

L-2-9-17 (Proposed Well)

I-2-9-17 (Proposed Well)

Pad Location: SWNE Section 2, T9S, R17E, S.L.B.&M.



Note:
Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

SURVEYED BY: C.D.S.	DATE SURVEYED: 09-26-11	VERSION: V1
DRAWN BY: R.B.T.	DATE DRAWN: 10-17-11	
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

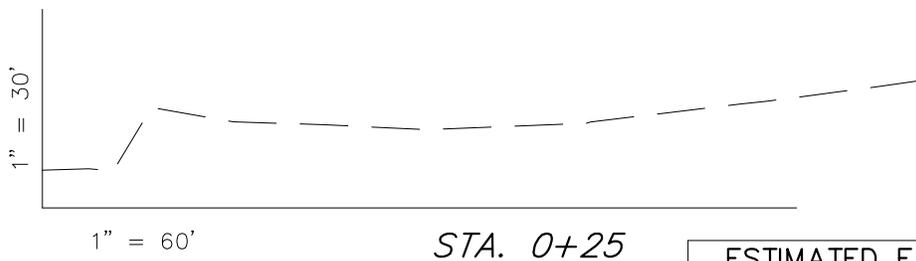
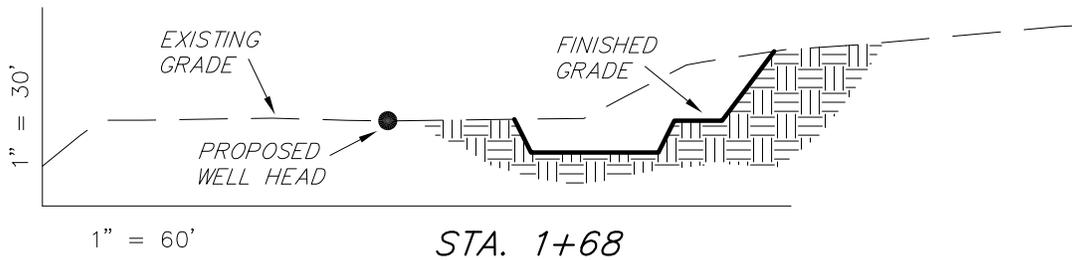
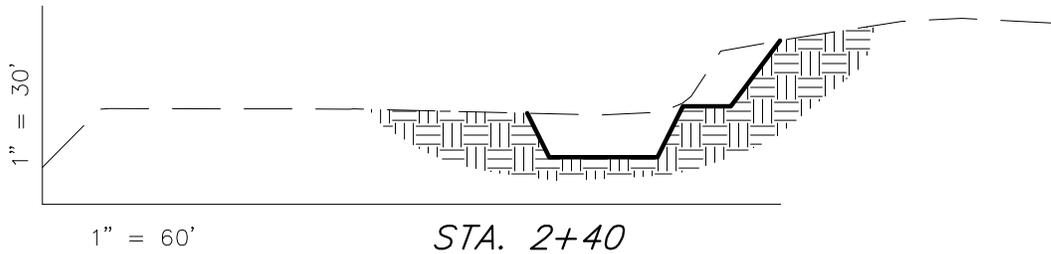
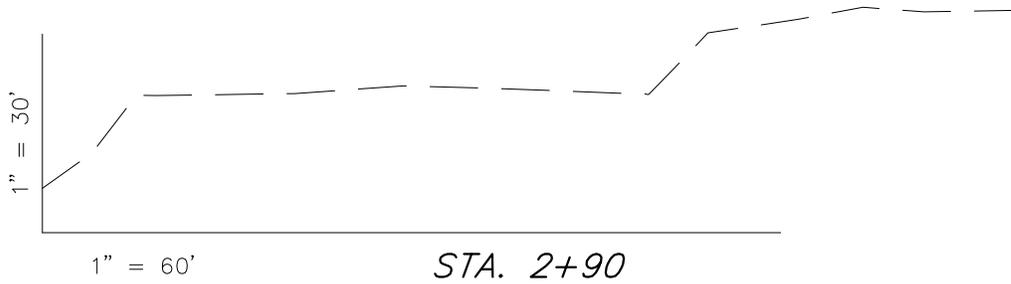
CROSS SECTIONS

32-2-9-17 (Existing Well)

L-2-9-17 (Proposed Well)

I-2-9-17 (Proposed Well)

Pad Location: SWNE Section 2, T9S, R17E, S.L.B.&M.



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,360	70	Topsoil is not included in Pad Cut	1,290
PIT	1,030	0		1,030
TOTALS	2,390	70	390	2,320

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 2:1

SURVEYED BY: C.D.S.	DATE SURVEYED: 09-26-11	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-17-11	V1
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

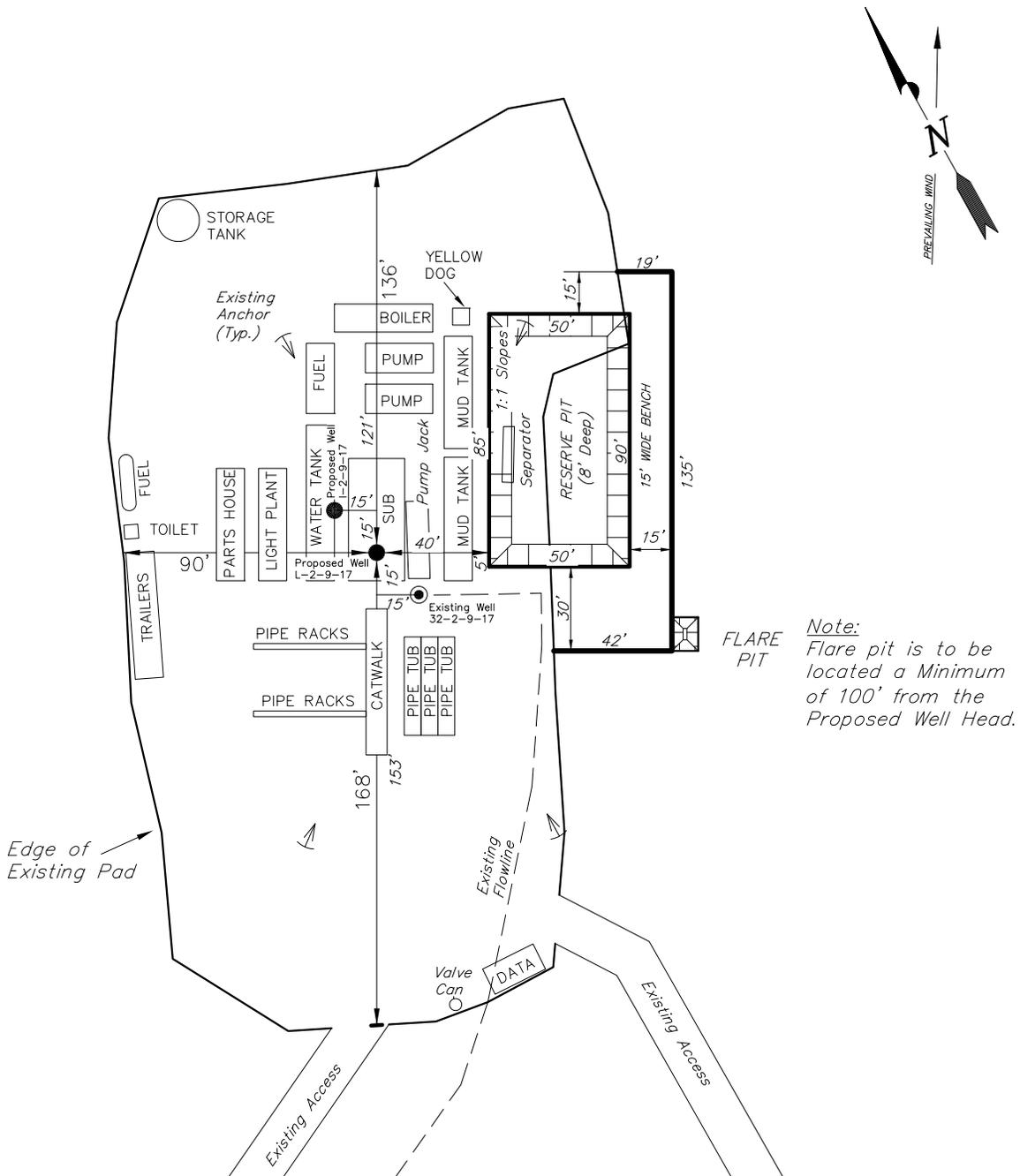
TYPICAL RIG LAYOUT

32-2-9-17 (Existing Well)

L-2-9-17 (Proposed Well)

I-2-9-17 (Proposed Well)

Pad Location: SWNE Section 2, T9S, R17E, S.L.B.&M.



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

SURVEYED BY: C.D.S.	DATE SURVEYED: 09-26-11	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-17-11	V1
SCALE: 1" = 60'	REVISED:	

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

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

May 30, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-52760	GMBU I-2-9-17	Sec 02 T09S R17E 1611 FNL 2296 FEL BHL Sec 02 T09S R17E 1194 FNL 1162 FEL
43-013-51447	GMBU N-16-9-16	Sec 16 T09S R16E 2111 FSL 1881 FWL BHL Sec 16 T09S R16E 2395 FNL 1187 FWL
43-047-52761	GMBU L-2-9-17	Sec 02 T09S R17E 1632 FNL 2290 FEL BHL Sec 02 T09S R17E 2335 FSL 1235 FEL
43-013-51448	GMBU G-16-9-16	Sec 16 T09S R16E 2081 FNL 0759 FWL BHL Sec 16 T09S R16E 1039 FNL 1598 FWL
43-047-52762	GMBU M-2-9-17	Sec 02 T09S R17E 2067 FSL 1672 FWL BHL Sec 02 T09S R17E 2500 FNL 2271 FEL
43-013-51449	GMBU Q-16-9-16	Sec 16 T09S R16E 2096 FSL 1866 FWL BHL Sec 16 T09S R16E 1252 FSL 0916 FWL

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

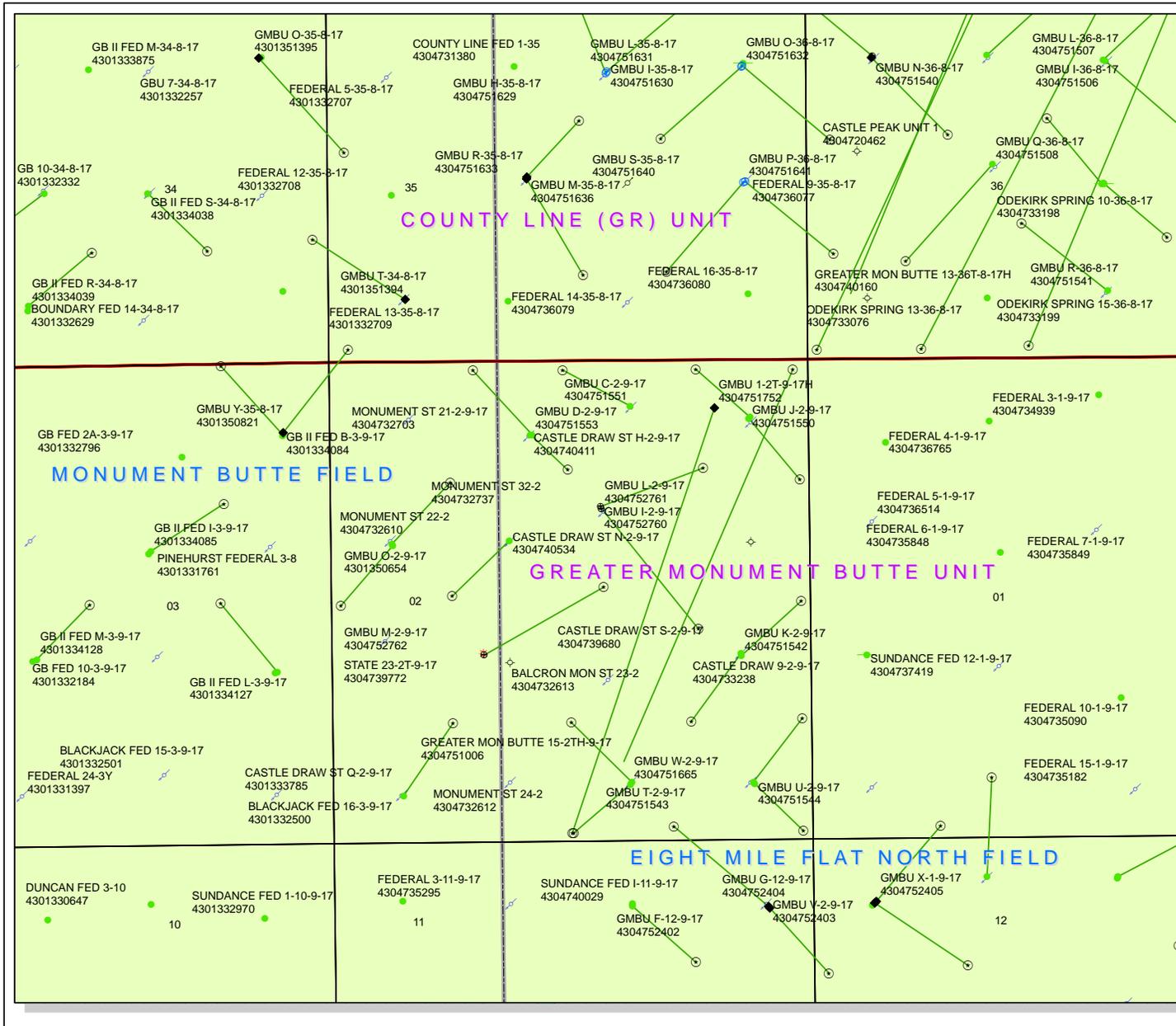
Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.05.30 11:42:03 -0600

RECEIVED: May 30, 2012

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

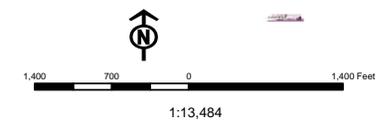
MCoulthard:mc:5-30-12



API Number: 4304752761
Well Name: GMBU L-2-9-17
Township T0.9 . Range R1.7 . Section 02
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|------------------------------------|
| Units | Wells Query |
| STATUS | Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LOC - New Location |
| PI OIL | OPS - Operation Suspended |
| PP GAS | PA - Plugged Abandoned |
| PP GEOTHERM | PGW - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| Fields | Status |
| Unknown | TA - Temp. Abandoned |
| ABANDONED | TW - Test Well |
| ACTIVE | WDW - Water Disposal |
| COMBINED | WIW - Water Injection Well |
| INACTIVE | WSW - Water Supply Well |
| STORAGE | |
| TERMINATED | |



VIA ELECTRONIC DELIVERY



May 31, 2012

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 L-2-9-17
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R17E Section 2: SWNE (ML-45555)
1632' FNL 2290' FEL

At Target: T9S-R17E Section 2: NESE (ML-45555)
2335' FSL 1235' FEL

Uintah 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 5/24/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

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

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

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

Sincerely,
Newfield Production Company

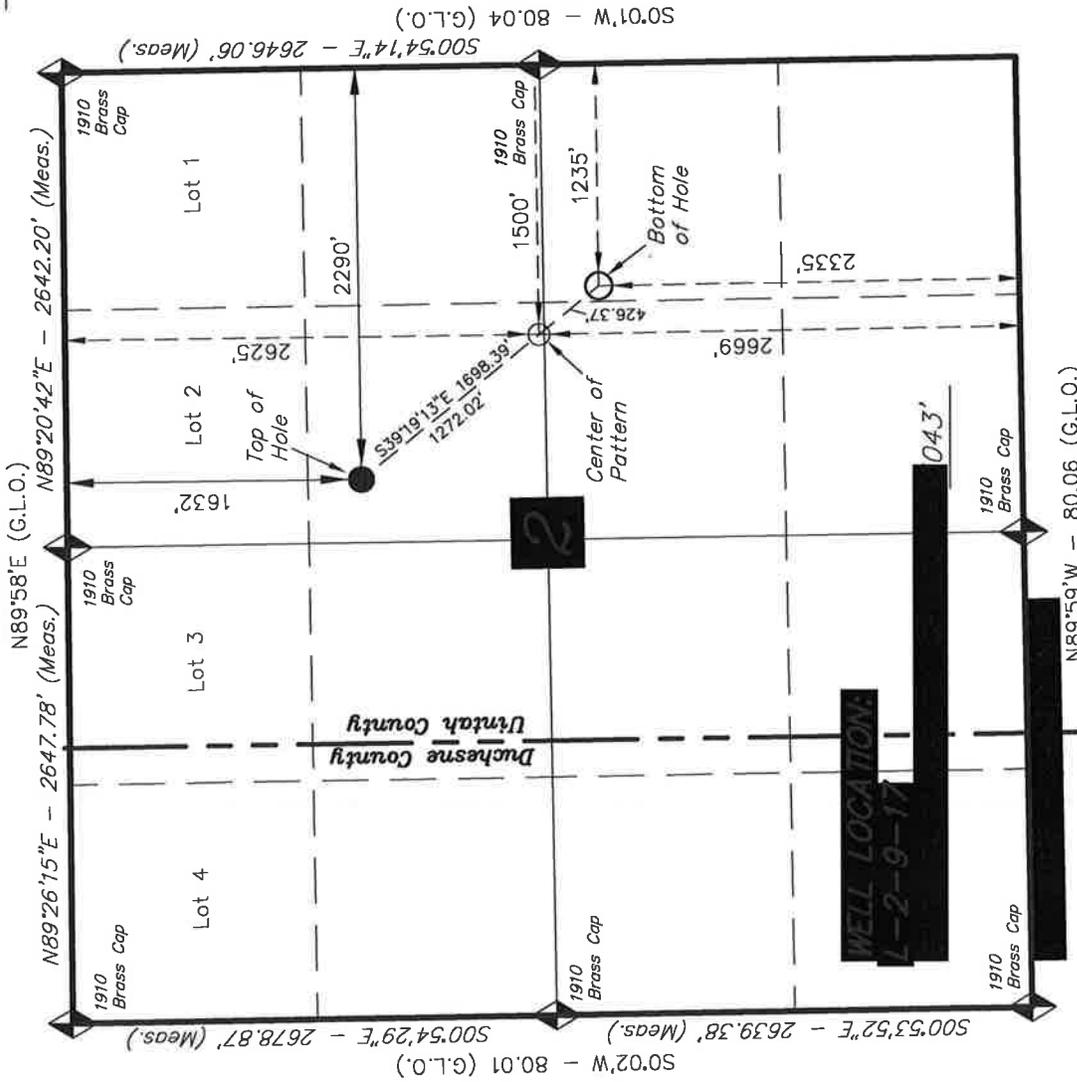
A handwritten signature in black ink that reads "Leslie Burget". The signature is written in a cursive style.

Leslie Burget
Land Associate

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3				
						AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER GMBU L-2-9-17						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT MONUMENT BUTTE						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)						
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY				7. OPERATOR PHONE 435 646-4825						
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052				9. OPERATOR E-MAIL mcrozier@newfield.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-45555		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1632 FNL 2290 FEL		SWNE	2	9.0 S	17.0 E	S		
Top of Uppermost Producing Zone		2253 FNL 1782 FEL		SWNE	2	9.0 S	17.0 E	S		
At Total Depth		2335 FSL 1235 FEL		NESE	2	9.0 S	17.0 E	S		
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1235		23. NUMBER OF ACRES IN DRILLING UNIT 20						
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 727		26. PROPOSED DEPTH MD: 6466 TVD: 6195						
27. ELEVATION - GROUND LEVEL 5043		28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478						
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6466	15.5	J-55 LT&C	8.3	Premium Lite High Strength	309	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier			TITLE Regulatory Tech			PHONE 435 646-4825				
SIGNATURE			DATE 05/24/2012			EMAIL mcrozier@newfield.com				
API NUMBER ASSIGNED 43047527610000					APPROVAL					

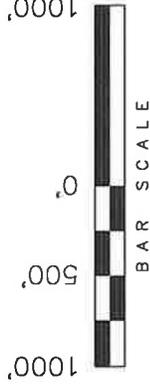
T9S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, L-2-9-17, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. UINTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, L-2-9-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. UINTAH 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 FOREGOING 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.

01-20-12
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 189577
 STATE OF UTAH

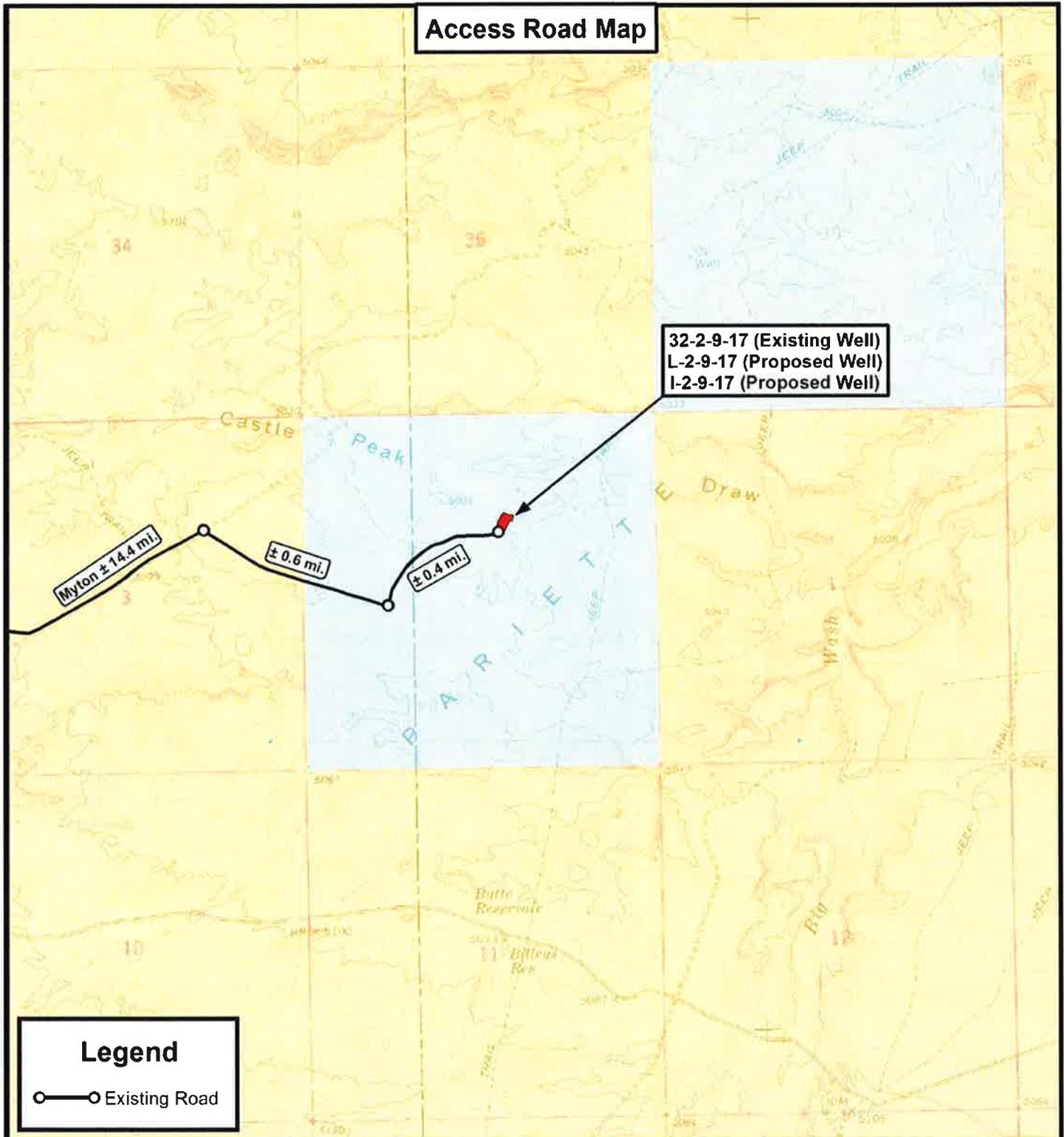
TRI STATE LAND SURVEYING & CONSULTING
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 09-26-11	SURVEYED BY: C.D.S.	VERSION:
DATE DRAWN: 01-20-12	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

L-2-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 03' 45.88"
 LONGITUDE = 109° 58' 21.22"

◆ = 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'



Legend

○—○ Existing Road

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



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

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



NEWFIELD EXPLORATION COMPANY

32-2-9-17 (Existing Well)
L-2-9-17 (Proposed Well)
I-2-9-17 (Proposed Well)

SEC. 2, T9S, R17E, S.L.B.&M. Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	01-17-2012		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET **B**

Received: May 24, 2012

From: Jim Davis
To: APD APPROVAL; Corie Miller; mcrozier@newfield.com; teaton@newfield.com
CC: Bonner, Ed; Garrison, LaVonne
Date: 6/22/2012 12:59 PM
Subject: APD approvals (9 for Newfield)

The following APDs have been approved by SITLA. Most of these are on existing pads that will involve no new surface disturbance. The wells which will involve new surface disturbance have been granted arch and paleo clearance.

No New Disturbance:

GMBU O-31-8-18 (4304752592)
GMBU P-31-8-18 (4304752597)
GMBU F-31-8-18 (4304752593)
GMBU Y-30-8-18 (4304752602)
GMBU L-2-9-17 (4304752761)
GMBU I-2-9-17 (4304752760)
GMBU D-21-9-17 (4301351351)

New surface disturbance:

GMBU 1-36-8-18H (4304752433)
GMBU 3-36-8-18H (4304752434)

-Jim Davis

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU L-2-9-17 43047527610000			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6195		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2780	8.6		

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

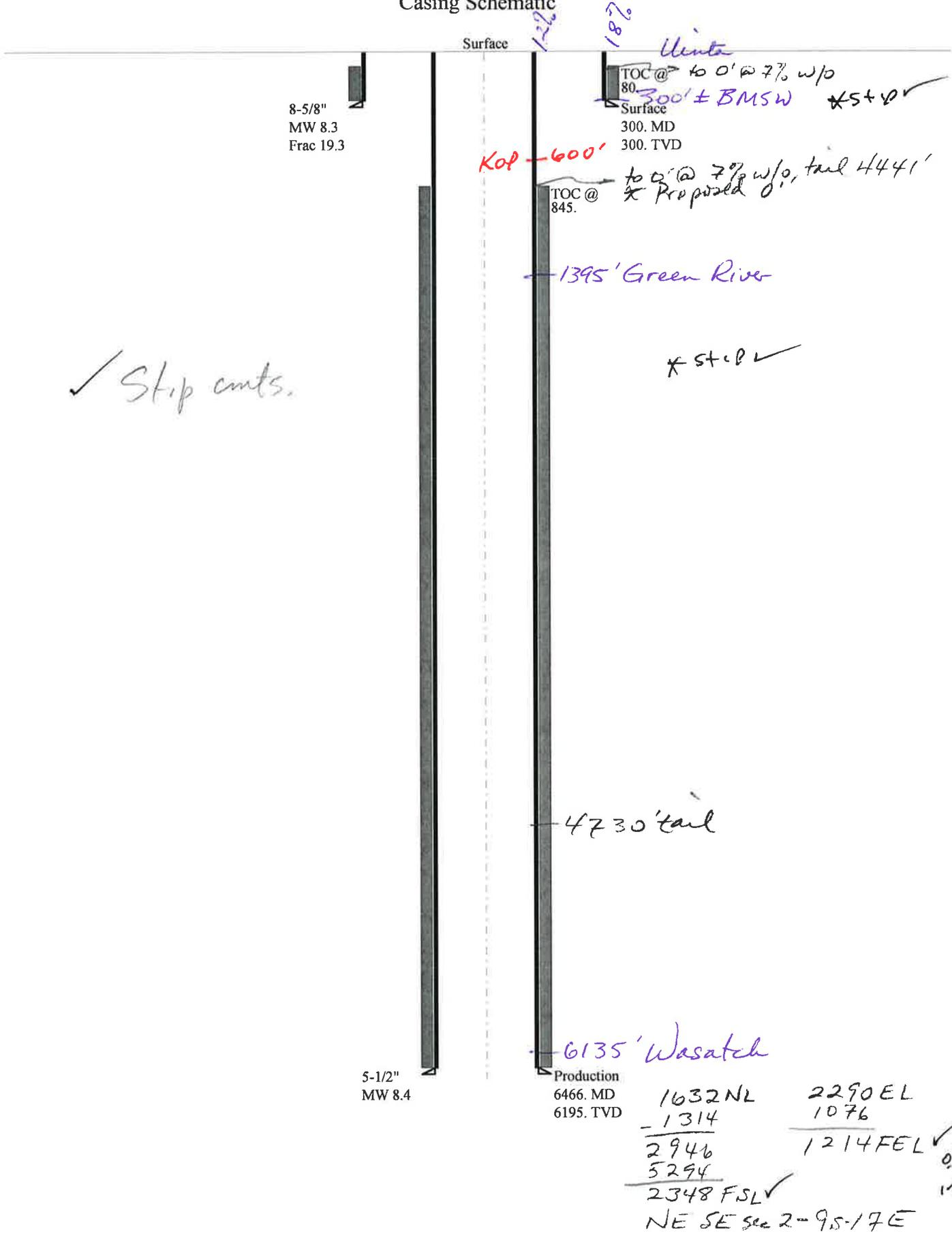
Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2706		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1963	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1343	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1409	NO	OK
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient	

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

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

43047527610000 GMBU L-2-9-17

Casing Schematic



✓ Strip cmts.

* 5+0 ✓

Production	1632 NL	2290 EL
6466. MD	- 1314	1076
6195. TVD	<u>2946</u>	1214 FEL ✓
	5294	ok. mount
	<u>2348 FSL</u> ✓	
	NE SE sec 2-9.5-17E	

Well name:	43047527610000 GMBU L-2-9-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-047-52761
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

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

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.
Neutral point: 262 ft

Environment:

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

Cement top: 80 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 6,195 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,703 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.553	300	2950	9.83	7.2	244	33.89 J

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

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

Date: August 16, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43047527610000 GMBU L-2-9-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-52761
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 161 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 845 ft

Burst

Max anticipated surface pressure: 1,340 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,703 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 5,634 ft

Completion type is subs

Directional well information:

Kick-off point 600 ft
 Departure at shoe: 1699 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 18.91 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6466	5.5	15.50	J-55	LT&C	6195	6466	4.825	22831
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2703	4040	1.495	2703	4810	1.78	96	217	2.26 J

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

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

Date: August 16, 2012
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6195 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU L-2-9-17
API Number 43047527610000 **APD No** 6060 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SWNE Sec 2 Tw 9.0S Rng 17.0E 1632 FNL 2290 FEL
GPS Coord (UTM) 587623 4435227 **Surface Owner**

Participants

C. Miller, – Newfield; C. Jensen, – DOGM ; J. Davis- SITLA; A. Hansen- DWR;

Regional/Local Setting & Topography

New hole on existing pad. Host well 32-2T-9-17 API # 43047-32737

This location is on the Parriette Bench in the Monument Butte field 14 road miles south of Myton, Utah Near the Castle Peak Draw area . The Castle Peak is found about 1 mile west of the loation. The topography is relatively flat with slopes of around 2% or less. Erosion has created a network of draws and drainages that are deeply cut. Drainages in the area are eventual tributaries of Snyder reservoir. The surrounding lowlands south are generally uncharacteristically green. This is good habitat for Accipiters. Vegetation is a Deseret shrub type. Identified or expected vegetation consisted of black sagebrush, shadscale, greasewood, mustard weed, rabbit brush, horsebrush, broom snakeweed, and spring annuals.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles

0

Well Pad

Width 200 Length 300

Src Const Material

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs and rabbits, though none were observed.

Disturbed soils do not support habitat for wildlife.

DWR had no comment / issues

Soil Type and Characteristics

Gravels and/ or disturbed soils with no profile

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	45 1 Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Newfield commonly uses a 30 mil liner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

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

Other Observations / Comments

Chris Jensen
Evaluator

6/8/2012
Date / Time

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
6060	43047527610000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU L-2-9-17		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SWNE 2 9S 17E S 1632 FNL (UTM) 587617E 4435228N		2290 FEL	GPS Coord	

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The the base of the moderately saline water at this location is estimated to be at approximately 300 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect ground water in the area.

Brad Hill
APD Evaluator

6/19/2012
Date / Time

Surface Statement of Basis

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Chris Jensen
Onsite Evaluator

6/8/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/24/2012

API NO. ASSIGNED: 43047527610000

WELL NAME: GMBU L-2-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SWNE 02 090S 170E

Permit Tech Review:

SURFACE: 1632 FNL 2290 FEL

Engineering Review:

BOTTOM: 2335 FSL 1235 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.06275

LONGITUDE: -109.97263

UTM SURF EASTINGS: 587617.00

NORTHINGS: 4435228.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-45555

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingle Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
 12 - Cement Volume (3) - hmacdonald
 15 - Directional - dmason
 25 - Surface Casing - hmacdonald
 27 - Other - bhill



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 L-2-9-17
API Well Number: 43047527610000
Lease Number: ML-45555
Surface Owner: STATE
Approval Date: 9/12/2012

Issued to:

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

Authority:

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

Duration:

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

General:

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

Conditions of Approval:

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

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

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

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 0' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

Approved by:

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

For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223

Well Name/Number GMBU L-2-9-17

Qtr/Qtr SW/NE Section 2 Township 9S Range 17E

Lease Serial Number ML-45555

API Number 43-047-52761

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

Date/Time 5/16/13 8:00 AM PM

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

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

Date/Time 5/16/13 3:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU L-2-9-17
Qtr/Qtr SW/NE Section 2 Township 9S Range 17E
Lease Serial Number ML-45555
API Number 43-047-52761

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- Production Casing
- Liner
- Other

Date/Time 5/16/13 3:00 AM PM

BOPE

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

RECEIVED

MAY 13 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GMBU L-2-9-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43047527610000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1632 FNL 2290 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 02 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/16/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On 5/16/13 Ross #29 spud and drilled 345' of 12 1/4" hole, P/U and run 8 jts of 8 5/8" casing set 339.03'KB. On 5/20/13 cement w/BH w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 3bbbls to pit, bump plug to 326psi, BLM and State were notified of spud via email.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 31, 2013**

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 5/30/2013	

Casing / Liner Detail

Well: GMBU L-2-9-17
 Prospect: Monument Butte
 Foreman: _____
 Run Date: _____
 String Type: Conductor, 14", 36.75#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
16.00			10' KB		
10.00	6.00		Conductor	14.000	13.500
16.00			-		

Cement Detail					
Cement Company:					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft ³)	Description - Slurry Class and Additives
Stab-In-Job?			Cement To Surface?		
BHT:			Est. Top of Cement:		
Initial Circulation Pressure:			Plugs Bumped?		
Initial Circulation Rate:			Pressure Plugs Bumped:		
Final Circulation Pressure:			Floats Holding?		
Final Circulation Rate:			Casing Stuck On / Off Bottom?		
Displacement Fluid:			Casing Reciprocated?		
Displacement Rate:			Casing Rotated?		
Displacement Volume:			CIP:		
Mud Returns:			Casing Wt Prior To Cement:		
Centralizer Type And Placement:			Casing Weight Set On Slips:		



Casing / Liner Detail

Well GMBU L-2-9-17
 Prospect Monument Butte
 Foreman _____
 Run Date: _____
 String Type Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
339.03			10' KB		
10.00	1.42		Wellhead		
11.42	285.51	7	Casing	8.625	
296.93	41.20	1	Shoe Joint	8.625	
338.13	0.90		Guide Shoe	8.625	
339.03			-		

Cement Detail					
Cement Company:		BJ			
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives
Slurry 1	160	15.8	1.17	187.2	Class G+2%kcl+.25#CF
Stab-In-Job?		No		Cement To Surface?	
BHT:		0		Yes	
Initial Circulation Pressure:				Est. Top of Cement:	
Initial Circulation Rate:				0	
Final Circulation Pressure:				Plugs Bumped?	
Final Circulation Rate:				Yes	
Displacement Fluid:		Water		Pressure Plugs Bumped:	
Displacement Rate:				326	
Displacement Volume:		18.4		Floats Holding?	
Mud Returns:				No	
Centralizer Type And Placement:				Casing Stuck On / Off Bottom?	
Middle of first, top of second and third for a total of three.				No	
				Casing Reciprocated?	
				No	
				Casing Rotated?	
				No	
				CIP:	
				10:30	
				Casing Wt Prior To Cement:	
				Casing Weight Set On Slips:	





BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS # 2
Submitted By Justin Crum Phone Number 823-6732
Well Name/Number GMBU L-2-9-17
Qtr/Qtr SWNE Section 2 Township 9S Range 17E
Lease Serial Number ML-45555
API Number 43--047-527610000

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

Date/Time 5/30/2013 10:00 AM PM

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

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

Date/Time 5/31/2013 12:00 AM PM

RECEIVED

MAY 31 2013

DIV. OF OIL, GAS & MINING

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.
ML-45555

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU (GRRV)

8. Lease Name and Well No.
GMBU L-2-9-17

9. AFI Well No.
43-047-52761

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

3. Address
1401 17TH ST SUITE 1000 DENVER, CO 80202

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

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

At surface 1632' FNL & 2290' FEL (SW/NE) SEC. 2, T9S, R17E (ML-45555)

At top prod. interval reported below 2438' FNL & 1624' FEL (SW/NE) SEC. 2, T9S, R17E (ML-45555)

At total depth 2379' FSL & 1295' FEL (NE/SE) SEC. 2, T9S, R17E (ML-45555)

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area
SEC 2, T9S, R17E

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
05/16/2013

15. Date T.D. Reached
06/01/2013

16. Date Completed 07/02/2013
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5043' GL 5053' KB

18. Total Depth: MD 6216'
TVD 5959'

19. Plug Back T.D.: MD 6171'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY, 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	339'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6217'		475 50/50 POZ 250 PREMLITE		1'	

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@ 6133'	TA @ 6034'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Green River	4368' MD	6072' MD	4368-6072' MD	0.34"	102	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4368-6072' MD	Frac w/ 397682#s 20/40 white sand in 3448 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/25/13	7/5/13	24	→	100	40	96			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump
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.)

SOLD AND USED FOR FUEL

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 MRK GARDEN GULCH 1	3878' 4064'
				GARDEN GULCH 2 POINT 3	4181' 4452'
				X MRKR Y MRKR	4696' 4733'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4870' 5127'
				B LIMESTONE MRK CASTLE PEAK	5260' 5724'
				BASAL CARBONATE	6156'

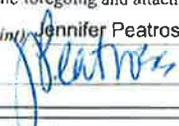
32. Additional remarks (include plugging procedure):

The above well began producing during the drilling process, on 06/25/2013. Test data was taken ten (10) days following initial production, on 7/5/2013. The well was placed on pump on 7/2/2013.

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) Jennifer Peatross Title Production Technician
 Signature  Date 08/02/2013

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.



NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T9S, R17E
L-2-9-17
Wellbore #1

Design: Actual

End of Well Report

03 June, 2013





Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Databases: EDM 2003.21 Single User Db

Project: USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone

System Datum:

Mean Sea Level

Site: SECTION 2 T9S, R17E, SEC 2 T9S, R17E
Site Position: Lat/Long
From: 0.0 ft
Position Uncertainty: 0.0 ft
Northings: 7,194,800.00 ft
Eastings: 2,067,293.09 ft
Slot Radius: #
Latitude: 40° 3' 41.746 N
Longitude: 109° 58' 29.057 W
Grid Convergence: 0.98 °

Well: L-2-9-17, SHL LAT: 40 03 45.88 LONG: -109 58 21.22
Well Position: +N/S 0.0 ft
Position Uncertainty: +E/W 0.0 ft
Wellhead Elevation: 5,053.0 ft
Northings: 7,195,228.66 ft
Eastings: 2,067,895.95 ft
Latitude: 40° 3' 45.880 N
Longitude: 109° 58' 21.220 W
Ground Level: 5,043.0 ft

Wellbore	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
Wellbore #1	IGRF2010	1/11/2012	11.21	65.81	52,240

Design	Actual	Phase:	ACTUAL	Tie On Depth:	0.0
Audit Notes:	Version: 1.0				
Vertical Section:		Depth From (TVD) (ft)	+N/S (ft)	+E/W (ft)	Direction (°)
		0.0	0.0	0.0	141.89

Survey Program	Date	8/3/2013	Tool Name	Description
From (ft)	To (ft)	Survey (Wellbore)	MWD	MWD - Standard
375.0	6,216.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (ft/100ft)	Build (ft/100ft)	Turn (ft/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	375.0	0.20	173.80	375.0	0.6	-0.7	0.1	0.05	0.05	0.00
	405.0	0.20	160.70	405.0	0.7	-0.8	0.1	0.15	0.00	-43.00
	435.0	0.63	129.50	435.0	0.9	-0.9	0.2	1.57	1.43	-104.00
	465.0	1.10	111.40	465.0	1.3	-1.1	0.6	1.79	1.57	-60.33
	496.0	1.90	104.60	496.0	1.9	-1.4	1.4	2.64	2.58	-21.94
	526.0	2.50	106.10	526.0	2.9	-1.7	2.5	2.01	2.00	5.00
	556.0	3.10	104.90	555.9	4.0	-2.1	3.9	2.01	2.00	-4.00
	586.0	3.50	105.20	585.9	5.4	-2.5	5.6	1.33	1.33	1.00
	616.0	3.70	106.30	615.8	6.9	-3.0	7.4	0.71	0.67	3.67
	646.0	3.70	106.20	645.8	8.5	-3.6	9.3	0.02	0.00	-0.33
	677.0	4.10	113.20	676.7	10.3	-4.3	11.3	2.00	1.29	22.58
	707.0	4.40	117.40	706.6	12.3	-5.2	13.3	1.44	1.00	14.00
	737.0	4.60	121.70	736.5	14.5	-6.4	15.3	1.31	0.67	14.33
	768.0	4.80	125.50	767.4	16.9	-7.8	17.4	1.19	0.65	12.26
	798.0	5.50	126.60	797.3	19.5	-9.4	19.6	2.36	2.33	3.67
	828.0	6.10	129.80	827.1	22.4	-11.3	22.0	2.27	2.00	10.67
	858.0	6.60	130.50	857.9	25.8	-13.5	24.6	1.63	1.61	2.26
	889.0	6.80	131.00	887.7	29.2	-15.7	27.2	0.69	0.67	1.67
	920.0	7.10	130.30	918.5	32.9	-18.2	30.1	1.01	0.97	-2.26
	950.0	7.60	130.60	946.3	36.5	-20.7	33.0	1.67	1.67	1.00
	980.0	7.80	130.60	976.7	40.6	-23.3	36.1	0.67	0.67	0.00
	1,011.0	8.30	128.70	1,008.7	44.8	-26.1	39.4	1.83	1.61	-6.13
	1,054.0	8.80	127.50	1,051.2	51.0	-30.0	44.4	1.23	1.16	-2.79
	1,098.0	9.20	128.00	1,094.7	57.7	-34.2	49.9	0.93	0.91	1.14
	1,142.0	9.20	128.80	1,138.1	64.6	-38.6	55.4	0.29	0.00	1.82
	1,186.0	9.60	128.60	1,181.5	71.5	-43.1	61.0	0.91	0.91	-0.45



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S, R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	NIS (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	1,230.0	10.00	129.50	1,224.9	78.9	-47.8	66.8	0.97	0.91	2.05
	1,274.0	10.20	129.60	1,268.2	86.4	-52.7	72.8	0.46	0.45	0.23
	1,317.0	10.20	130.80	1,310.5	93.8	-57.6	78.6	0.49	0.00	2.79
	1,361.0	10.70	132.00	1,353.8	101.7	-62.9	84.6	1.24	1.14	2.73
	1,405.0	10.90	132.30	1,397.0	109.8	-68.4	90.7	0.47	0.45	0.68
	1,449.0	11.50	133.20	1,440.2	118.3	-74.2	97.0	1.42	1.36	2.05
	1,493.0	11.60	132.80	1,483.3	127.0	-80.3	103.4	0.29	0.23	-0.91
	1,537.0	11.70	132.00	1,526.4	135.7	-86.2	110.0	0.43	0.23	-1.82
	1,580.0	11.80	132.00	1,568.5	144.3	-92.1	116.5	0.23	0.23	0.00
	1,624.0	11.80	132.60	1,611.5	153.2	-98.2	123.1	0.28	0.00	1.36
	1,668.0	12.00	135.70	1,654.6	162.2	-104.5	129.6	1.52	0.45	7.05
	1,712.0	12.00	140.20	1,697.6	171.3	-111.3	135.7	2.13	0.00	10.23
	1,756.0	12.10	142.70	1,740.7	180.5	-118.5	141.5	1.21	0.23	5.68
	1,799.0	12.60	142.80	1,782.7	189.7	-125.8	147.0	1.16	1.16	0.23
	1,843.0	13.30	140.80	1,825.5	199.6	-133.5	153.1	1.89	1.59	-4.55
	1,887.0	13.70	139.60	1,868.3	209.8	-141.4	159.7	1.11	0.91	-2.73
	1,931.0	13.90	139.20	1,911.1	220.3	-149.4	166.5	0.50	0.45	-0.91
	1,975.0	14.10	140.80	1,953.7	231.0	-157.5	173.4	0.99	0.45	3.64
	2,018.0	14.40	140.20	1,995.4	241.5	-165.7	180.1	0.78	0.70	-1.40
	2,062.0	14.70	141.00	2,038.0	252.6	-174.2	187.1	0.82	0.68	1.82
	2,106.0	15.10	140.80	2,080.5	263.9	-183.0	194.3	0.92	0.91	-0.45
	2,150.0	15.40	142.30	2,123.0	275.5	-192.1	201.5	1.17	0.68	3.64
	2,194.0	16.00	142.10	2,165.3	287.4	-201.5	208.7	1.38	1.36	-0.68
	2,238.0	17.00	141.80	2,207.5	299.9	-211.3	216.4	2.28	2.27	-0.68
	2,281.0	18.10	141.30	2,248.5	312.8	-221.5	224.5	2.58	2.56	-1.16
	2,325.0	19.00	141.00	2,290.2	326.8	-232.4	233.3	2.06	2.05	-0.68
	2,369.0	19.30	141.30	2,331.8	341.3	-243.6	242.3	0.72	0.68	0.68



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9S. R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	2,413.0	19.40	142.70	2,373.3	355.8	-255.1	251.3	1.08	0.23	3.18
	2,457.0	20.10	143.00	2,414.7	370.7	-267.0	250.3	1.61	1.59	0.89
	2,500.0	20.90	143.60	2,455.0	385.8	-279.1	249.3	1.92	1.86	1.40
	2,544.0	20.50	145.20	2,496.2	401.3	-291.7	278.4	1.57	-0.91	3.64
	2,588.0	20.40	146.90	2,537.4	416.6	-304.4	286.9	1.37	-0.23	3.86
	2,632.0	21.00	145.00	2,578.6	432.1	-317.3	295.6	2.05	1.36	-4.32
	2,676.0	21.20	143.00	2,619.6	448.0	-330.1	305.0	1.70	0.45	-4.55
	2,719.0	21.00	142.50	2,659.7	463.5	-342.5	314.3	0.63	-0.47	-1.16
	2,763.0	20.70	140.50	2,700.8	479.1	-354.7	324.1	1.76	-0.88	-4.55
	2,807.0	19.40	138.50	2,742.2	494.2	-366.2	333.9	3.34	-2.95	-4.55
	2,851.0	18.70	138.10	2,783.8	508.5	-377.0	343.3	1.65	-1.59	1.36
	2,895.0	18.40	137.60	2,825.5	522.5	-387.5	352.6	1.28	-0.68	-3.41
	2,939.0	18.70	138.90	2,867.2	536.5	-397.9	361.9	1.16	0.68	2.95
	2,982.0	19.00	141.00	2,907.9	550.3	-408.5	370.9	1.73	0.70	4.88
	3,026.0	19.00	142.90	2,949.5	564.7	-419.8	379.7	1.41	0.00	4.32
	3,070.0	20.26	142.20	2,990.9	579.4	-431.5	388.7	2.91	2.86	-1.59
	3,114.0	21.75	143.70	3,032.0	595.2	-444.1	398.2	3.60	3.39	3.41
	3,158.0	23.20	143.50	3,072.7	612.0	-457.7	408.2	3.30	3.30	-0.45
	3,201.0	22.90	144.90	3,112.2	628.8	-471.3	418.0	1.45	-0.70	3.26
	3,245.0	22.60	145.60	3,152.8	645.8	-485.3	427.7	0.92	-0.68	1.59
	3,289.0	23.50	145.90	3,193.3	663.0	-499.5	437.4	2.06	2.05	0.68
	3,333.0	24.10	145.40	3,233.6	680.7	-514.2	447.4	1.44	1.36	-1.14
	3,377.0	24.20	145.00	3,273.7	698.7	-528.0	457.7	0.44	0.23	-0.91
	3,420.0	24.55	143.85	3,312.9	716.4	-543.4	468.0	1.37	0.81	-2.67
	3,464.0	23.35	142.45	3,353.1	734.3	-557.7	478.7	3.02	-2.73	-3.18
	3,508.0	22.54	141.30	3,393.6	751.4	-571.2	489.3	2.10	-1.84	-2.61
	3,552.0	22.90	140.90	3,434.2	768.4	-584.4	500.0	0.89	0.82	-0.91



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 2 T9S, R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (°/100ft)	Buld (°/100ft)	Turn (°/100ft)
	3,596.0	22.55	141.00	3,474.8	785.4	-597.6	510.7	0.80	-0.80	0.23
	3,639.0	21.50	139.50	3,514.6	801.5	-610.0	521.0	2.77	-2.44	-3.49
	3,683.0	21.30	139.20	3,555.6	817.6	-622.2	531.5	0.52	-0.45	-0.68
	3,727.0	21.60	139.00	3,596.5	833.7	-634.4	542.0	0.70	0.68	-0.45
	3,771.0	20.30	138.75	3,637.6	849.4	-646.2	552.4	2.96	-2.95	-0.57
	3,815.0	18.95	138.50	3,679.1	864.1	-657.3	562.1	3.07	-3.07	-0.57
	3,858.0	18.40	138.80	3,719.8	877.9	-667.7	571.2	1.30	-1.28	0.70
	3,902.0	18.10	141.20	3,761.6	891.6	-678.2	580.1	1.84	-0.68	5.45
	3,946.0	17.40	143.10	3,803.5	905.1	-688.8	588.3	2.06	-1.59	4.32
	3,990.0	17.40	144.20	3,845.5	918.2	-699.4	596.1	0.75	0.00	2.50
	4,034.0	17.60	145.10	3,887.5	931.4	-710.2	603.8	0.76	0.45	2.05
	4,077.0	17.70	146.30	3,928.4	944.4	-721.0	611.1	0.88	0.23	2.79
	4,121.0	18.46	145.80	3,970.3	958.0	-732.3	618.7	1.76	1.73	-1.14
	4,165.0	18.70	145.10	4,012.0	972.0	-743.8	626.7	0.74	0.55	-1.59
	4,209.0	18.70	145.10	4,053.6	986.1	-755.4	634.8	0.00	0.00	0.00
	4,253.0	19.00	145.50	4,095.3	1,000.3	-767.1	642.9	0.74	0.68	0.91
	4,296.0	18.90	146.20	4,136.0	1,014.2	-778.6	650.7	0.58	-0.23	1.63
	4,340.0	18.20	145.80	4,177.7	1,028.2	-790.2	658.5	1.62	-1.59	-0.91
	4,384.0	18.20	144.30	4,219.5	1,041.9	-801.5	666.4	1.06	0.00	-3.41
	4,428.0	17.60	142.50	4,261.3	1,055.4	-812.4	674.4	1.85	-1.36	-4.09
	4,471.0	17.70	142.30	4,302.3	1,068.5	-822.7	682.4	0.27	0.23	-0.47
	4,515.0	17.40	142.00	4,344.3	1,081.7	-833.2	690.5	0.71	-0.68	-0.68
	4,558.0	17.60	142.10	4,386.2	1,095.0	-843.6	698.7	0.46	0.45	0.23
	4,603.0	17.60	142.20	4,428.2	1,108.4	-854.2	706.9	0.46	0.45	0.23
	4,647.0	18.30	143.30	4,470.0	1,122.0	-865.0	715.1	1.38	1.14	2.50
	4,691.0	18.30	144.20	4,511.8	1,135.8	-876.2	723.3	0.64	0.00	2.05
	4,734.0	18.30	144.60	4,552.6	1,149.3	-887.1	731.2	0.29	0.00	0.93



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 2 T9S, R17E
Well: L-2-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well L-2-9-17
TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey	Mid (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	NIS (ft)	EW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,778.0	18.80	145.10	4,594.3	1,163.3	-898.6	739.2	1.19	1.14	1.14
	4,822.0	19.40	144.90	4,635.9	1,177.6	-910.4	747.5	1.37	1.36	-0.45
	4,866.0	19.60	144.60	4,677.4	1,192.3	-922.4	756.0	0.51	0.45	-0.68
	4,910.0	19.60	144.10	4,718.8	1,207.1	-934.4	764.6	0.38	0.00	-1.14
	4,953.0	20.20	142.80	4,759.2	1,221.7	-946.1	773.3	1.73	1.40	-3.02
	4,997.0	20.80	141.60	4,800.4	1,237.1	-958.3	782.7	1.66	1.36	-2.73
	5,041.0	20.20	140.20	4,841.7	1,252.5	-970.3	792.4	1.76	-1.36	-3.18
	5,085.0	20.70	142.40	4,882.9	1,267.9	-982.3	802.1	2.08	1.14	5.00
	5,129.0	19.80	143.78	4,924.2	1,283.1	-994.4	811.2	2.32	-2.05	3.14
	5,149.6	19.32	143.42	4,943.6	1,290.0	-1,000.0	815.3	2.40	-2.33	-1.77
L-2-9-17 TGT										
	5,172.0	18.80	143.00	4,964.8	1,297.3	-1,005.8	819.7	2.40	-2.32	-1.86
	5,216.0	17.90	145.90	5,006.5	1,311.1	-1,017.1	827.7	2.91	-2.05	6.59
	5,260.0	17.50	146.90	5,048.4	1,324.5	-1,028.2	835.1	1.14	-0.91	2.27
	5,304.0	17.50	147.00	5,090.4	1,337.6	-1,039.3	842.4	0.07	0.00	0.23
	5,348.0	17.80	148.30	5,132.3	1,350.9	-1,050.6	849.5	1.13	0.68	2.95
	5,391.0	18.55	147.90	5,173.2	1,364.3	-1,062.0	856.6	1.77	1.74	-0.93
	5,435.0	19.20	147.00	5,214.8	1,378.4	-1,074.0	864.2	1.62	1.48	-2.05
	5,479.0	19.70	145.20	5,256.3	1,393.0	-1,086.1	872.4	1.77	1.14	-4.09
	5,523.0	19.20	144.10	5,297.8	1,407.7	-1,098.1	880.9	1.41	-1.14	-2.50
	5,567.0	17.80	143.30	5,339.5	1,421.6	-1,109.3	889.1	3.23	-3.18	-1.82
	5,610.0	16.90	145.30	5,380.6	1,434.4	-1,119.8	896.6	2.51	-2.09	4.65
	5,654.0	15.42	145.20	5,422.8	1,446.7	-1,129.8	903.6	3.36	-3.36	-0.23
	5,698.0	15.20	143.60	5,465.3	1,458.3	-1,139.3	910.4	1.08	-0.50	-3.64
	5,742.0	15.30	145.10	5,507.7	1,469.8	-1,148.7	917.1	0.93	0.23	3.41
	5,786.0	16.50	148.40	5,550.0	1,481.8	-1,158.7	923.7	3.41	2.73	7.50
	5,829.0	17.80	148.20	5,591.1	1,494.4	-1,169.5	930.4	3.03	3.02	-0.47



Payzone Directional
End of Well Report



Company: NEWFIELD EXPLORATION
 Project: USGS Mylon SW (UT)
 Site: SECTION 2 T9S. R17E
 Well: L-2-9-17
 Wellbore: Wellbore #1
 Design: Actual

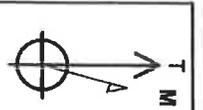
Local Co-ordinate Reference: Well L-2-9-17
 TVD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
 MD Reference: L-2-9-17 @ 5053.0ft (NDSI SS #2)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Buld (°/100ft)	Turn (°/100ft)
	5,873.0	18.30	147.00	5,633.0	1,508.0	-1,181.0	937.7	1.42	1.14	-2.73
	5,917.0	18.60	147.40	5,674.7	1,521.9	-1,192.8	945.2	0.74	0.68	0.91
	5,961.0	18.90	147.40	5,716.4	1,535.9	-1,204.7	952.8	0.68	0.68	0.00
	6,005.0	19.20	146.10	5,757.9	1,550.2	-1,216.7	960.7	1.18	0.68	-2.96
	6,049.0	19.30	146.20	5,799.5	1,564.7	-1,228.7	968.8	0.24	0.23	0.23
	6,092.0	18.30	146.00	5,840.2	1,578.5	-1,240.2	976.5	2.33	-2.33	-0.47
	6,136.0	16.60	146.40	5,882.2	1,591.7	-1,251.2	983.9	3.87	-3.86	0.91
	6,174.0	15.20	147.40	5,918.7	1,602.1	-1,259.9	989.6	3.75	-3.88	2.63
	6,216.0	13.70	148.50	5,959.4	1,612.5	-1,268.8	995.1	3.63	-3.57	2.62

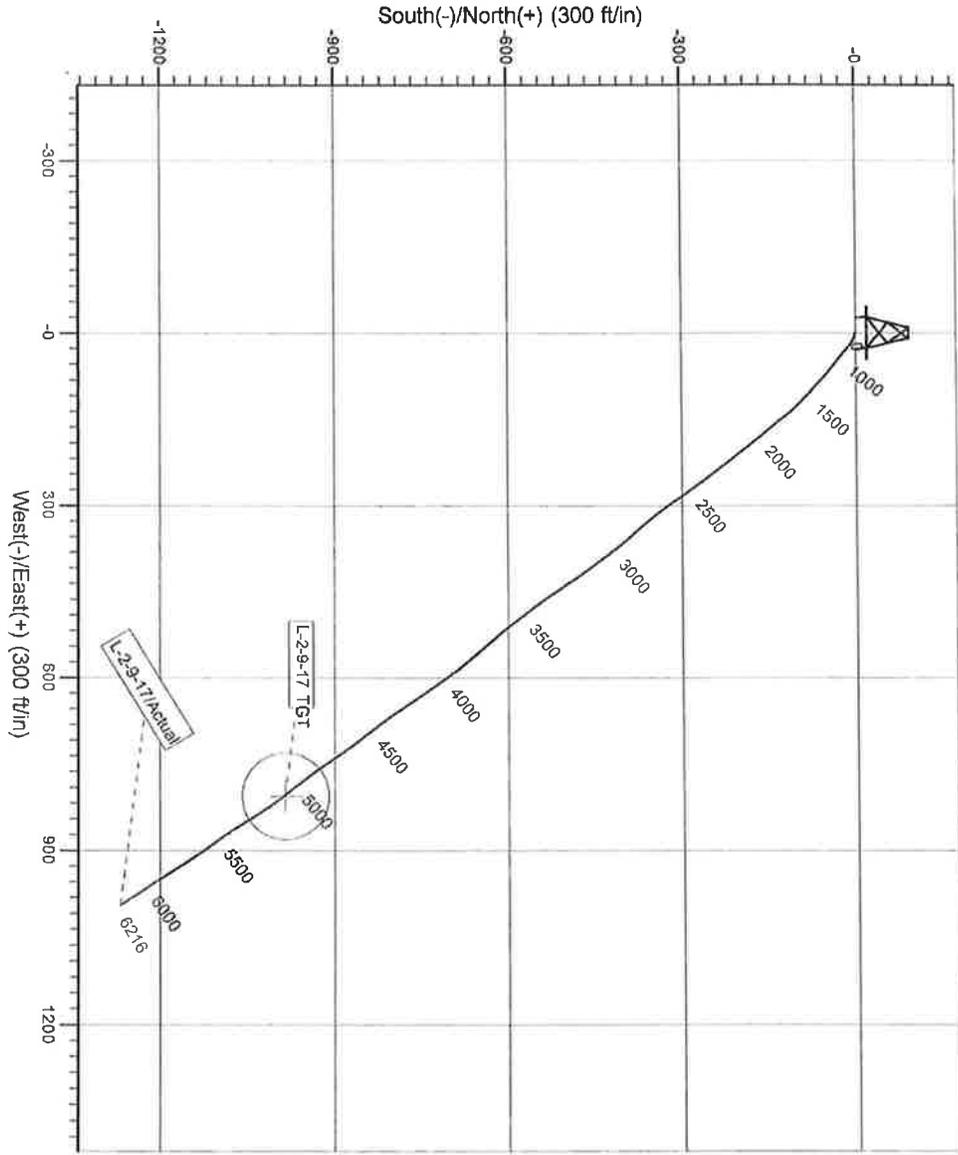
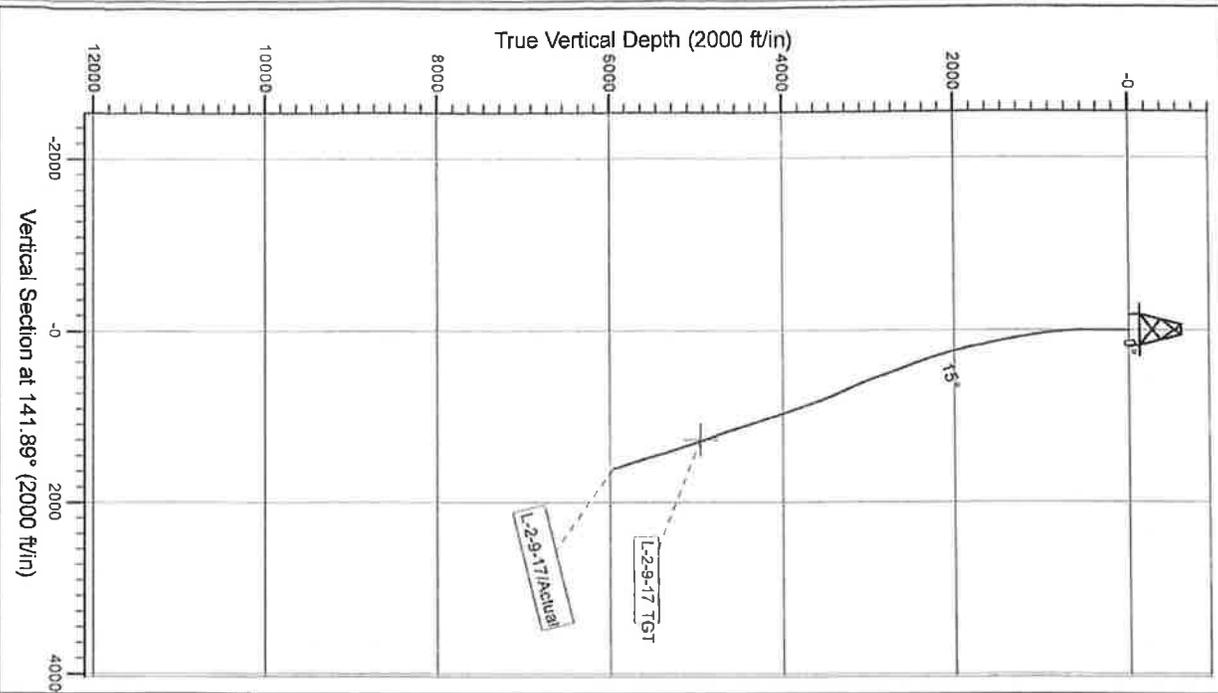
Checked By: _____ Approved By: _____ Date: _____



Project: USGS Myton SW (UT)
 Site: SECTION 2 T9S, R17E
 Well: L-2-9-17
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 11.21°
 Magnetic Field
 Strength: 52239 6snT
 Dip Angle: 65.81°
 Date: 1/11/2012
 Model: IGRF2010



Design: Actual (L-2-9-17/Wellbore #1)

Created By: *boach W/4ll* Date: 19:27, June 03 2013

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

Daily Activity Report**Format For Sundry****GMBU L-2-9-17****4/1/2013 To 8/30/2013****6/18/2013 Day: 1****Completion**

Rigless on 6/18/2013 - Run CBL. Press test Csg. Csg Valves, Blind Ram & Frac Valve. Perforate 1st Stage - NU 7" 5K Knight BOP & FMC Frac Valve. RU Perforators WLT w/ Crane & run CBL. WLTD @ 6150' & cement top @ Surface. RU B&C Quick Test Pressure Tester. Press Testing Unit to 5000psi. test HYD Chamber. Press Test casing, blind rams, csg, casing valves & Frac Valve to 4300 psi. RU Perforators W/L Press test Pack off 800psi RIH & Perforate stage #1, CP-5 sds @ (6070-72', 6064-68') w/ 3 1/8" Disposable guns (16 gram .34" EH 22" pen w/120% phasing) w/ 3 spf for total of 18 shots. RD B&C Test Unit & Perforator WLT Wait on frac crew EWTR144 BBLs

Daily Cost: \$0**Cumulative Cost: \$37,693****6/19/2013 Day: 3****Completion**

Rigless on 6/19/2013 - Flow Back Well RIH Set RBP @ 4430' - 2nd Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1600 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5920' & Perforate the CP-2 Stray formation @ 5840-44', The CP-2 Formation @ 5826-29', The CP-1 Formation @ 5783-85', 5774-76', 22 Shots, POOH CWI RD W/L. - 2nd Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1600 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5920' & Perforate the CP-2 Stray formation @ 5840-44', The CP-2 Formation @ 5826-29', The CP-1 Formation @ 5783-85', 5774-76', 22 Shots, POOH CWI RD W/L. - 2nd Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1411 psi Break down CP-2/1 Formation (22 holes) @ 2826 psi W/ 2.6 bbls 7% KCL water @ 3.6 BPM Pump 35 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 97 BBls 1# to 4# 20/40 Sand (ramped) Pump 185 bbls 5# to 6# 20/40 Sand (ramped) Pump 53 BBls 6# Sand, 12 bbls 15% HCL. Pump 138.9 BBls 7% KCL water Flush. ISIP 1863 psi. FG.77 Max Press 3396 psi, Avg press 2918 psi. Max Rate 43 bpm, Avg rate 43 bpm. 60,218# 20/40 White Sand In Formation. 538 total bbls pumped - 2nd Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1411 psi Break down CP-2/1 Formation (22 holes) @ 2826 psi W/ 2.6 bbls 7% KCL water @ 3.6 BPM Pump 35 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 97 BBls 1# to 4# 20/40 Sand (ramped) Pump 185 bbls 5# to 6# 20/40 Sand (ramped) Pump 53 BBls 6# Sand, 12 bbls 15% HCL. Pump 138.9 BBls 7% KCL water Flush. ISIP 1863 psi. FG.77 Max Press 3396 psi, Avg press 2918 psi. Max Rate 43 bpm, Avg rate 43 bpm. 60,218# 20/40 White Sand In Formation. 538 total bbls pumped - 3rd Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1600 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5560' & Perforate the LODC formation @ 5481-83', 5472-75', 5463-64', 5460-61', The A-3 Formation @ 5412-16', 22 Shots, POOH CWI RD W/L. - 3rd Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1600 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5560' & Perforate the LODC formation @ 5481-83', 5472-75', 5463-64', 5460-61', The A-3 Formation @ 5412-16', 22 Shots, POOH CWI RD W/L. - 3rd Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1316 psi Break down LODC & A-3 Formation (22 holes) @ 1691 psi W/ 10.3 bbls 7% KCL water @ 6.7 BPM Pump 64 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 202 BBls 1# to 4# 20/40 Sand (ramped) Pump 386 bbls 5# to 6# 20/40 Sand (ramped) Pump 114 BBls 6# Sand, 12 bbls 15% HCL. Pump 130.6 BBls 7% KCL water Flush. ISIP 2083 psi. FG.83 Max Press 3135 psi, Avg press 1515 psi. Max Rate 46 bpm, Avg rate 46 bpm. 124,728# 20/40 White Sand In Formation. 934 total bbls pumped - 3rd Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1316 psi Break down LODC & A-3

Formation (22 holes) @ 1691 psi W/ 10.3 bbls 7% KCL water @ 6.7 BPM Pump 64 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 202 BBls 1# to 4# 20/40 Sand (ramped) Pump 386 bbls 5# to 6# 20/40 Sand (ramped) Pump 114 BBls 6# Sand, 12 bbls 15% HCL. Pump 130.6 BBls 7% KCL water Flush. ISIP 2083 psi. FG.83 Max Press 3135 psi, Avg press 1515 psi. Max Rate 46 bpm, Avg rate 46 bpm. 124,728# 20/40 White Sand In Formation. 934 total bbls pumped - 4th Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1700 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5160' & Perforate the C-Sand formation @ 5083-84', 5077-79', 5068-70', 5055-56', 5049-50', The D-2 Formation @ 4991-92', 4986-87', 4981-82', 4977-78', 22 Shots, POOH CWI RD W/L. - 4th Stage. RU Perforators W/L Press test Lub 4000 psi Open well @ 1700 psi. RIH W/ CFT Plug & 3-1/8" Csg Guns (2 SPF) Set CFT Plug @ 5160' & Perforate the C-Sand formation @ 5083-84', 5077-79', 5068-70', 5055-56', 5049-50', The D-2 Formation @ 4991-92', 4986-87', 4981-82', 4977-78', 22 Shots, POOH CWI RD W/L. - 4th Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1583 psi Break down C-Sand & A-3 Formation (22 holes) @ 1794 psi W/ 1.9 bbls 7% KCL water @ 4.1 BPM Pump 117 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 251 BBls 1# to 4# 20/40 Sand (ramped) Pump 479 bbls 5# to 6# 20/40 Sand (ramped) Pump 141 BBls 6# Sand, 12 bbls 15% HCL. Pump 119.5 BBls 7% KCL water Flush. ISIP 2060 psi. FG.86 Max Press 3346 psi, Avg press 2828 psi. Max Rate 46 bpm, Avg rate 46 bpm. 154,948# 20/40 White Sand In Formation. 1137 total bbls pumped - 4th Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 1583 psi Break down C-Sand & A-3 Formation (22 holes) @ 1794 psi W/ 1.9 bbls 7% KCL water @ 4.1 BPM Pump 117 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 251 BBls 1# to 4# 20/40 Sand (ramped) Pump 479 bbls 5# to 6# 20/40 Sand (ramped) Pump 141 BBls 6# Sand, 12 bbls 15% HCL. Pump 119.5 BBls 7% KCL water Flush. ISIP 2060 psi. FG.86 Max Press 3346 psi, Avg press 2828 psi. Max Rate 46 bpm, Avg rate 46 bpm. 154,948# 20/40 White Sand In Formation. 1137 total bbls pumped - 5th Stage RU Perforators RIH W/ CFTP & 3-1/8" Csg Guns (2 SPF) Try To Set CFTP @ 4550' NO Luck Setting tool malfunction. Plug Stuck. Surge well Pull Plug up Hole about 30' stuck try to Work free. NO Luck. Pull 2500# Surge Well try to work free. No Luck. Pull 3000# surge well try to pull free. No Luck. Pull 3500# surge well try to work free. No Luck. Pull 3800# pulled out (clean) off rope socket. Fish Neck @ 4510' - 5th Stage RU Perforators RIH W/ CFTP & 3-1/8" Csg Guns (2 SPF) Try To Set CFTP @ 4550' NO Luck Setting tool malfunction. Plug Stuck. Surge well Pull Plug up Hole about 30' stuck try to Work free. NO Luck. Pull 2500# Surge Well try to work free. No Luck. Pull 3000# surge well try to pull free. No Luck. Pull 3500# surge well try to work free. No Luck. Pull 3800# pulled out (clean) off rope socket. Fish Neck @ 4510' - SICP 1250 psi Open Well ON 16/64 choke flow back 1 BPM 1hr csg press 1050 psi. CWI Change choke to 22/64 flow back well 2 BPM 1 hr Csg press 850 psi. CWI Change out choke to 26/64 Flow Back Well 3 BPM Turning to Oil. CWI Contact Sam decision made to run RBP - SICP 1250 psi Open Well ON 16/64 choke flow back 1 BPM 1hr csg press 1050 psi. CWI Change choke to 22/64 flow back well 2 BPM 1 hr Csg press 850 psi. CWI Change out choke to 26/64 Flow Back Well 3 BPM Turning to Oil. CWI Contact Sam decision made to run RBP - CIGP 1050 psi RU Perforators RIH W/ RBP Set Plug @ 4430' Bleed down well POOH & RD W/L - CIGP 1050 psi RU Perforators RIH W/ RBP Set Plug @ 4430' Bleed down well POOH & RD W/L - 1st Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 83 psi Break down CP-5 Formation (12 holes) @ 2099 psi W/ 4.5 bbls 7% KCL water @ 4.1 BPM Pump 6 bbls 15% HCL, 85 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 40 BBls 1# to 4# 20/40 Sand (ramped) Pump 77 bbls 5# to 6# 20/40 Sand (ramped) Pump 21 BBls 6# Sand, 12 bbls 15% HCL. Pump 148 BBls 7% KCL water Flush. ISIP 1606 psi. FG.70 Max Press 3877 psi, Avg press 2723 psi. Max Rate 38 bpm, Avg rate 32 bpm. 24,972# 20/40 White Sand In Formation. 410 total bbls pumped - 1st Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 83 psi Break down CP-5 Formation (12 holes) @ 2099 psi W/ 4.5 bbls 7% KCL water @ 4.1 BPM Pump 6 bbls 15% HCL, 85 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 40 BBls 1# to 4# 20/40 Sand (ramped) Pump 77 bbls 5# to 6# 20/40 Sand (ramped) Pump 21 BBls 6# Sand, 12 bbls 15% HCL. Pump 148 BBls 7% KCL water Flush. ISIP 1606 psi. FG.70 Max Press 3877 psi, Avg press 2723 psi. Max Rate 38 bpm, Avg rate 32 bpm. 24,972# 20/40 White Sand In Formation. 410 total bbls pumped

Cumulative Cost: \$116,903

6/20/2013 Day: 4

Completion

Nabors #1423 on 6/20/2013 - MIRUWOR, ND frac vlv, NU BOPS and test. RIH w/ retrieving head to 4396'. Circ well w/ 10# Brine. SWIFN. - MURUWOR. - ND frac vlv, NU double gate pipe rams. - Pressure test BOPS. Had to change out a door seal on the top and bottom BOP. - MU BHA and RIH w/ retrieving head, 1 jnt, X nipple, and 139 jnts. Strip off wiping rubber and strip on drilling rubber. - RU pump and lines, Circ well w/ 115 bbls 10# Brine. SWIFN. EOT @ 4396'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.

Daily Cost: \$0

Cumulative Cost: \$125,030

6/21/2013 Day: 5

Completion

Nabors #1423 on 6/21/2013 - Latch onto RBP, equalize, release, and POOH to 2200'. Well would not stay dead RU to flow through the night. - CIRCULATED WELL WITH 70 BBLS BRINE - WELL WELL WOULDN'T DIE. 15 MINUTE SICP - 150 PSI STARTING PRESSURE, 350 PSI ENDING PRESSURE. FLOWED WELL FOR 1 HR. TOOK ANOTHER 15 MINUTE SICP 125 PSI STARTING PRESSURE, 230 PSI ENDING PRESSURE - FLOWED WELL FOR ANOTHER HOUR. SET WELL TO FLOW TO CENTRAL TANK BATTERY ON 9 CHOKE. HANDED WELL OVER TO PRODUCTION FOR THE NIGHT. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - SICP 0 PSI, SITP 0 PSI. CIRCULATE DOWN 2 JTS, LATCH ONTO WIRELINE RETRIEVABLE PLUG @ 4430'. NO SAND ON PLUG. PULL UP ON PLUG, OPEN BYPASS, CIRCULATE WELL W/ 110 BBLS BRINE WATER. PULLED PLUG UP 3 JTS. PLUG RELAXED AND LET LOOSE PRESSURE BELOW PLUG. 1500 PSI ON WELL. CIRCULATE WELL WITH ANOTHER 100 BBLS BRINE. WELL WOULDN'T DIE. FLOWED WELL BACK FOR 2 HRS WHILE WAITING FOR MORE BRINE WATER TO BE DELIVERED. CIRCULATED WELL WITH ANOTHER 150 BBLS. - STOP CIRCULATING AND POOH W/ 70 JNTS. WELL STARTED FLOWING AGAIN. STABBED TIW AND TRIED TO KILL AGAIN. WELL STAYED DEAD FOR ABOUT TEN MINUTES. RU TO FB. -

Daily Cost: \$0

Cumulative Cost: \$131,821

6/24/2013 Day: 6

Completion

Nabors #1423 on 6/24/2013 - POOH W/ TBG Flow Try To Kill Well W/ No Luck Flow Well over Week End - BULL HEAD WELL WITH 115 BBLS OF BRINE - INITIAL SICP 550 PSI - 15 MINUTE SICP 475 PSI - 30 MINUTE SICP 400 PSI - 45 MINUTE SICP 350 PSI - START BLEEDING CSG OFF ON 14/64 CHOKE - AFTER 45 PSI 200 PSI - CHANGE TO 30/64 PSI - AFTER 30 MINUTES 0 PSI FLOWING AT 1/2 BPM - FLOW CSG WIDE OPEN @ 1 BPM - QUICKLY CHANGED TO OIL AND GAS - 15 MINUTE SICP 350 PSI - START WELL FLOWING DOWN FLOW LINE ON 12 CHOKE - TURN WELL OVER TO PRODUCTION. FLOW WELL OVER WEEKEND - CIRCULATE WELL WITH 70 BBLS OF BRINE - CSG PRESSURE 450 PSI - SITP 200 PSI - FLOW CSG TO PIT FOR 1 HOUR - - POOH W/ 68 JTS - M/U FISHING TOOLS - WELL BEGAN TO FLOW - SHUT WELL IN - - CREW TRAVEL AND JSP MEETING

Daily Cost: \$0

Cumulative Cost: \$141,368

6/25/2013 Day: 7

Completion

Nabors #1423 on 6/25/2013 - Fish Guns Set Plug perforate last Stage - RU PERFORATORS W/L RIH - SET CBP @ 4520' - PERFORATE THE PB-7 FORMATION @ 4474-78' & GB-4 FORMATION @ 4368-70' W/ 3-1/8 CSG GUNS 3 SPF- POOH W/ W/L - R/D PERFORATORS - SWIFN - - RIG DOWN WORKFLOOR - N/D DOUBLE GATE PIPE RAMS - N/U FRAC VALVE - R/U PERFORATORS - - KILL WELL W/ 110 BBLS OF BRINE - RIH W/ FISHING TOOLS (OVER SHOT- EXT- XOVER 2-3/8 REG X 2-3/8 IS- BUMPER SUB - JARS- XOVER 2-3/8 X 2-7/8 - N80 PUP JT - STOPPED TWICE AND PUMPED KILL DOWN TBG - TAGGED FISH TOP @ 4536' - CIRCULATED TO FISH - BULL HEAD CSG WITH 125 BBLS BRINE - INITIAL SICP 400 PSI - SICP AFTER 20 MINUTES 200 PSI - BLEED CSG OFF - - CREW TRAVEL AND JSP MEETING - CSG FLOWING ON 19 CHOKE @ 150 PSI - FLOWED CSG TO PIT -

Daily Cost: \$0

Cumulative Cost: \$163,010

6/26/2013 Day: 8

Completion

Nabors #1423 on 6/26/2013 - Press test. Break down Perfs. Frac Last Stage - 5th Stage RU Baker Hughes. Safety Meeting. JSA. Press test Lines 5000psi. Open Well @ 68 psi Break down GB-4 & PB-7 Formation (18 holes) @ 2670 psi W/ 2.1 bbls 7% KCL water @ 4.7 BPM Pump 12 bbls 155 HCL, 89 BBls 7% KCL to get rate & Xlink Pump 15 BBls Pad, 48 BBls 1# to 4# 20/40 Sand (ramped) Pump 92 bbls 5# to 6# 20/40 Sand (ramped) Pump 35 BBls 6# Sand, Pump 105.4 BBls 7% KCL water Flush. ISIP 2320 psi. FG.98 Max Press 4088 psi, Avg press 2636 psi. Max Rate 34 bpm, Avg rate 34 bpm. 32,816# 20/40 White Sand In Formation. 398 total bbls pumped - WAIT FOR BAKER - SICP 0 PSI - OPEN WELL - PRESSURE TEST FRAC VALVE - - CREW TRAVEL AND JSP MEETING - FILL CSG WITH 15 BBLS - BREAK DOWN PERFS @ 2200 PSI

Daily Cost: \$0

Cumulative Cost: \$295,310

6/27/2013 Day: 9

Completion

Nabors #1423 on 6/27/2013 - ND Frac Valve. NU BOPs. Press test. Drill Plugs clean out Well To PBTD @ 6072'. - SICP 1000 PSI - BLEED WELL OFF ON 30/64 CHOKE - WELL DIED - N/D FRAC VALVE - N/U DOUBLE GATE PIPE RAMS - - R/U RBS POWER SWIVEL - CLEAN OUT 100' OF SAND TO 1ST PLUG @ 4520' - DRILL PLUG - 25 MINUTES - SWIVEL JTS IN - TAG 2ND PLUG @ 4550' - DRILL PLUG - 30 MINUTES - HANG BACK SWIVEL - RIH W/ TBG - TAG 3RD PLUG @ 5170' - UNHANG SWIVEL - DRILL PLUG - 20 MINUTES - HANG BACK SWIVEL - RIH W/ TBG - TAG 4TH PLUG @ 5560' - UNHANG SWIVEL - DRILL PLUG - 20 MINUTES - HANG BACK SWIVEL - TAG SAND @ 5875' - UNHANG SWIVEL - CLEAN OUT 45' OF SAND - DRILL PLUG - 25 MINUTES - SWIVEL JTS DOWN - TAG SAND @ 6010' - CLEAN OUT 62' OF FILL TO PBTD @ 6072' - CIRCULATE WELL CLEAN W/ 200 BBLS 7% KCL - RACK OUT POWER SWIVEL - L/D 2 JTS - 7 JTS TOTAL OUT - SWIFN - - M/U 4 3/4" CHOMP MILL - RIH W/ 2 JTS, S/N, 139 JTS - TAG SAND @ 4420' - STRIP OFF WIPING RUBBER - STRIP ON DRILLING RUBBER - - PRESSURE TEST BOPS W/ B AND C QUICK TEST - - CREW TRAVEL AND JSP MEETING

Daily Cost: \$0

Cumulative Cost: \$304,870

6/28/2013 Day: 10

Completion

Nabors #1423 on 6/28/2013 - Trip Tbg RIH W/ Rods - SET TAC FROM FLOOR - LAND WELL ON DONUT - R/D WORKFLOOR - N/D DOUBLE GATE PIPE RAMS - N/D SINGLE GATE BLIND RAMS - UNLAND TBG - REMOVE SUB - RELAND TBG IN 18000#'S TENSION - N/U WELLHEAD AND FLOWLINE - N/D FRAC VALVE ON I-2-9-17 - N/U DOUBLE GATE PIPE RAMS - - POOH W/

195 JTS - L/D BIT AND BIT SUB - - P/U AND PRIME PUMP - RIH W/ PRODUCTION - (32) 7/8" 8 PER GUIDED, (124) 3/4" 4 PER GUIDED, (85) 7/8" 4 PE GUIDED, (1) 7/8" x 6' , (1) 7/8" x 2' - P/U POLISH ROD - SEAT PUMP - FILL TBG W/ 2 BBLS - STROKE TEST PUMP TO 800 PSI - - M/U BHA - RIH W/ PRODUCTION - N/C, 2 JTS, S/N, 1 JT, TAC, 192 JTS - TAC @ 6034.34', S/N @ 6068.44', EOT @ 6132.79' - - CREW TRAVEL AND JSP MEETING - SICP 550 PSI - SITP 400 PSI - BLEED CSG OFF - PUMP 10BBLS DOWN TBG - P/U 2 JTS - TAG PBTD @ 6172' - 0' OF FILL - CIRCULATE WELL W/ 180 BBLS BRINE - L/D 2 JTS -

Daily Cost: \$0

Cumulative Cost: \$373,256

Pertinent Files: Go to File List