

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 R-2-9-15
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-43538	11. MINERAL 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')		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
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	561 FSL 2050 FWL	SESW	2	9.0 S	15.0 E	S
Top of Uppermost Producing Zone	971 FSL 2362 FWL	SESW	2	9.0 S	15.0 E	S
At Total Depth	1367 FSL 2620 FEL	NWSE	2	9.0 S	15.0 E	S

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1367	23. NUMBER OF ACRES IN DRILLING UNIT 20
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1290	26. PROPOSED DEPTH MD: 6405 TVD: 6405	
27. ELEVATION - GROUND LEVEL 6052	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 - 6405	15.5	J-55 LT&C	8.3	Premium Lite High Strength	304	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 07/29/2011	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013509060000	APPROVAL  Permit Manager	

NEWFIELD PRODUCTION COMPANY
 GMBU R-2-9-15
 AT SURFACE: SE/SW SECTION 2, T9S, R15E
 DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1650'
Green River	1650'
Wasatch	6265'
Proposed TD	6405'

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

Green River Formation (Oil)	1650' – 6265'
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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 R-2-9-15**

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'	6,405'	15.5	J-55	LTC	4,810 2.36	4,040 1.98	217,000 2.19

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 R-2-9-15**

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	4,405'	Prem Lite II w/ 10% gel + 3% KCl	304	30%	11.0	3.26
			992			
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.

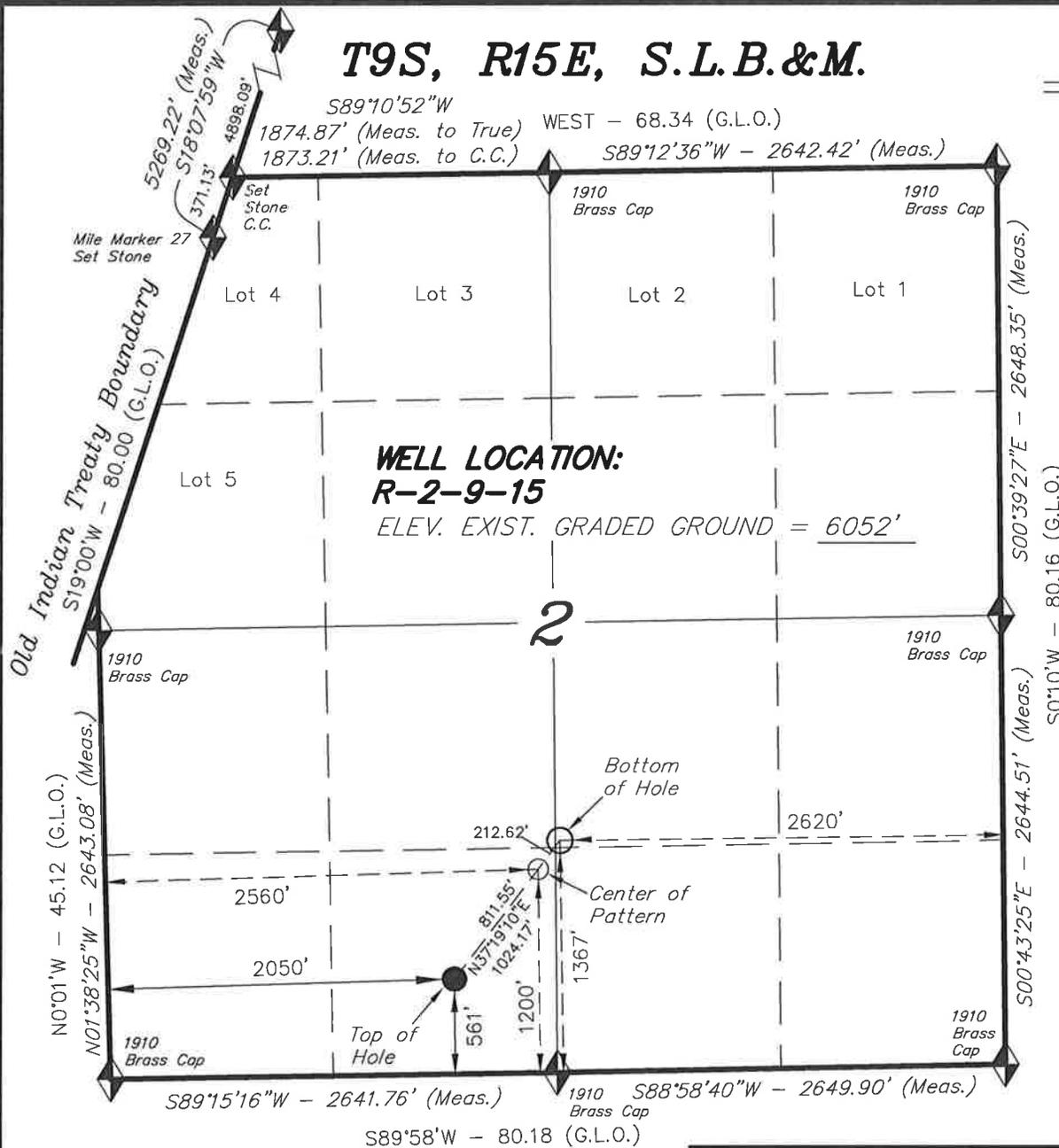
9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

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 third quarter of 2011, and take approximately seven (7) days from spud to rig release.

T9S, R15E, S.L.B.&M.



**WELL LOCATION:
R-2-9-15**
ELEV. EXIST. GRADED GROUND = 6052'

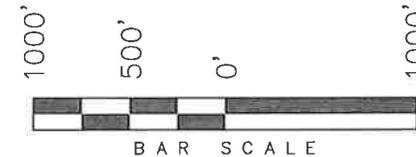
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

R-2-9-15
(Surface Location) NAD 83
LATITUDE = 40° 03' 15.14"
LONGITUDE = 110° 12' 05.62"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, R-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, R-2-9-15, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

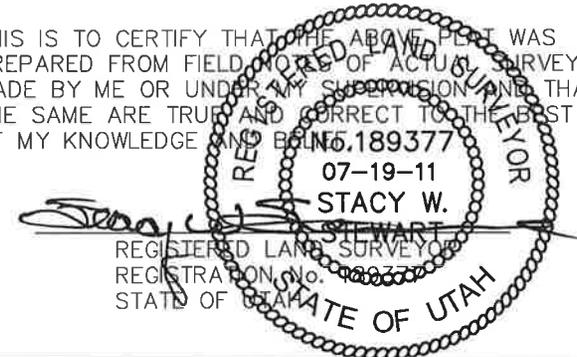


NOTES:

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

◆ = SECTION CORNERS LOCATED

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

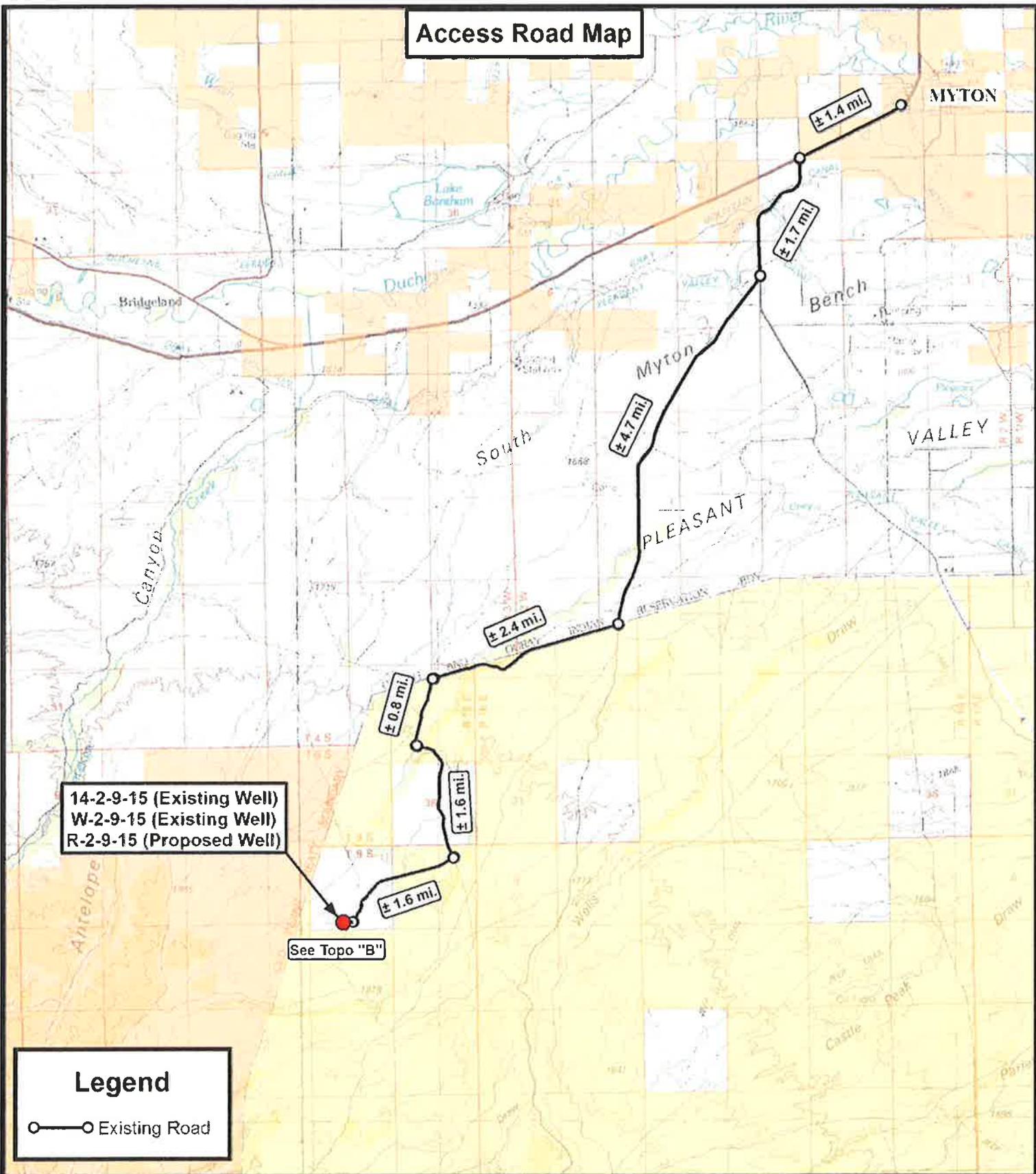


TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 06-14-11	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 06-30-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

Access Road Map



14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (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

DRAWN BY: C.H.M.	REVISED:	VERSION:
DATE: 07-18-2011		V2
SCALE: 1:100,000		



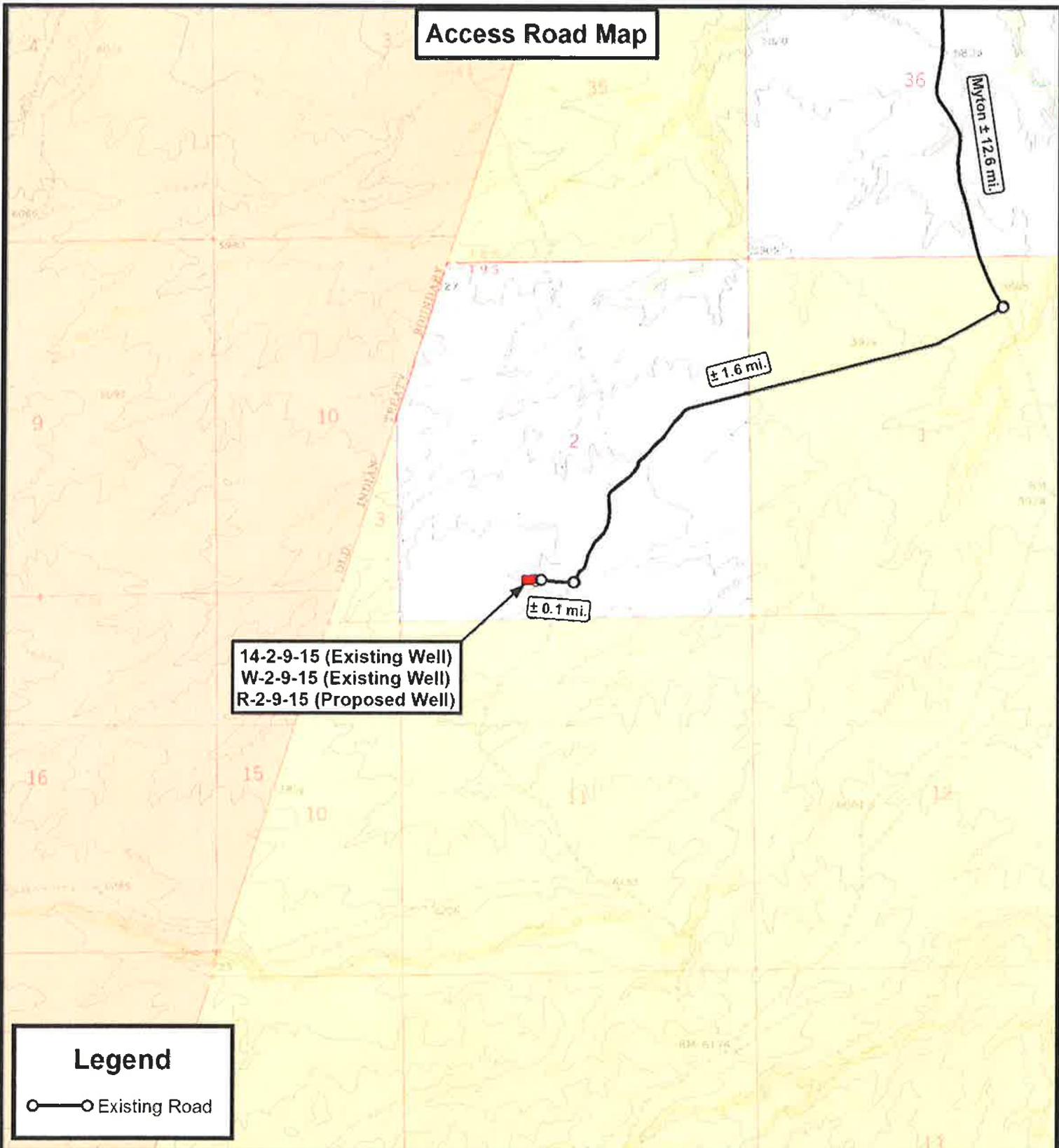
NEWFIELD EXPLORATION COMPANY

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)

SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP	SHEET A
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Access Road Map



14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)

Legend

○—○ Existing Road

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

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NEWFIELD EXPLORATION COMPANY

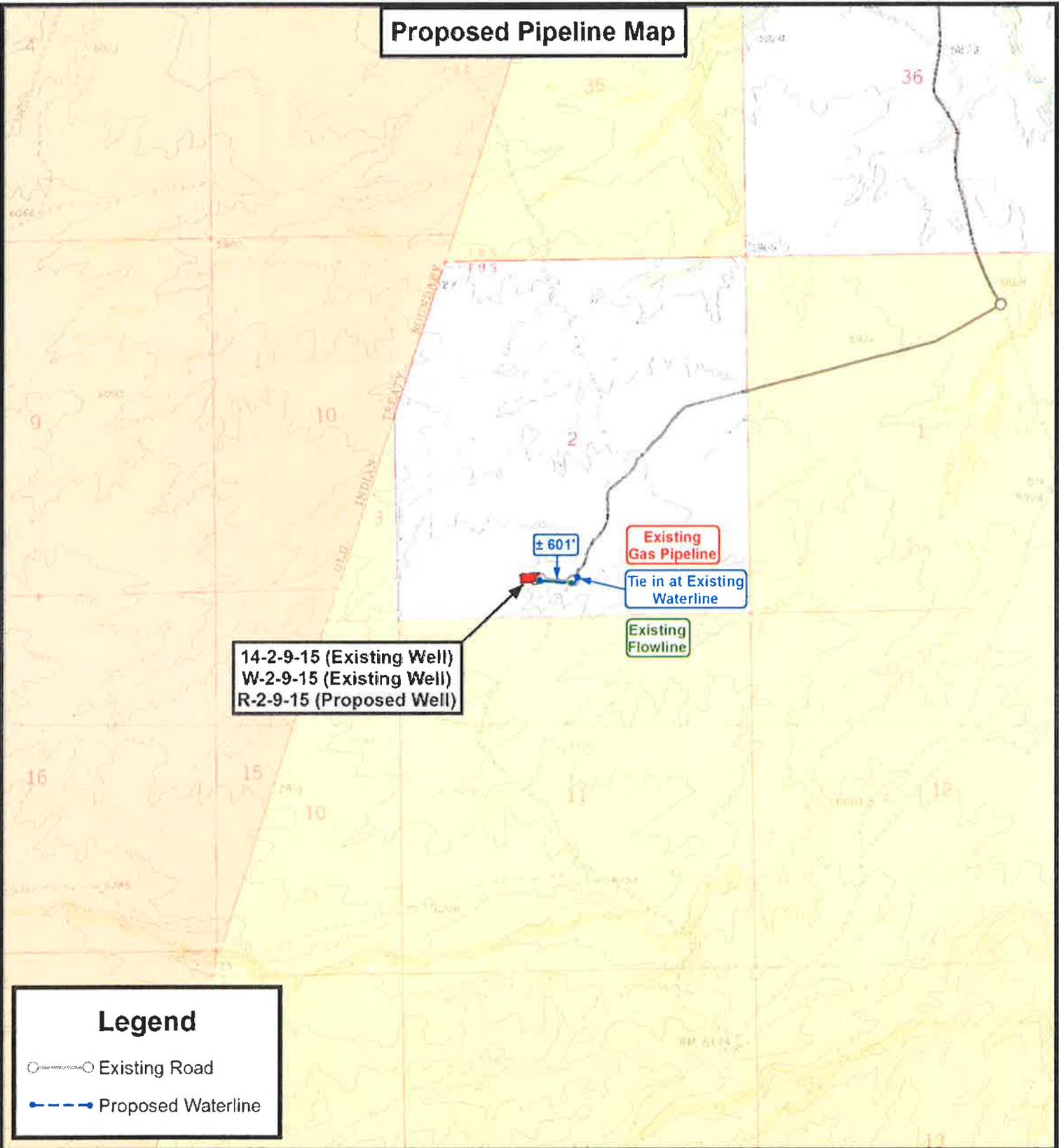
14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)

Existing Gas Pipeline

Tie in at Existing Waterline

Existing Flowline

$\pm 601'$

Legend

Existing Road

Proposed Waterline

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NEWFIELD EXPLORATION COMPANY

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

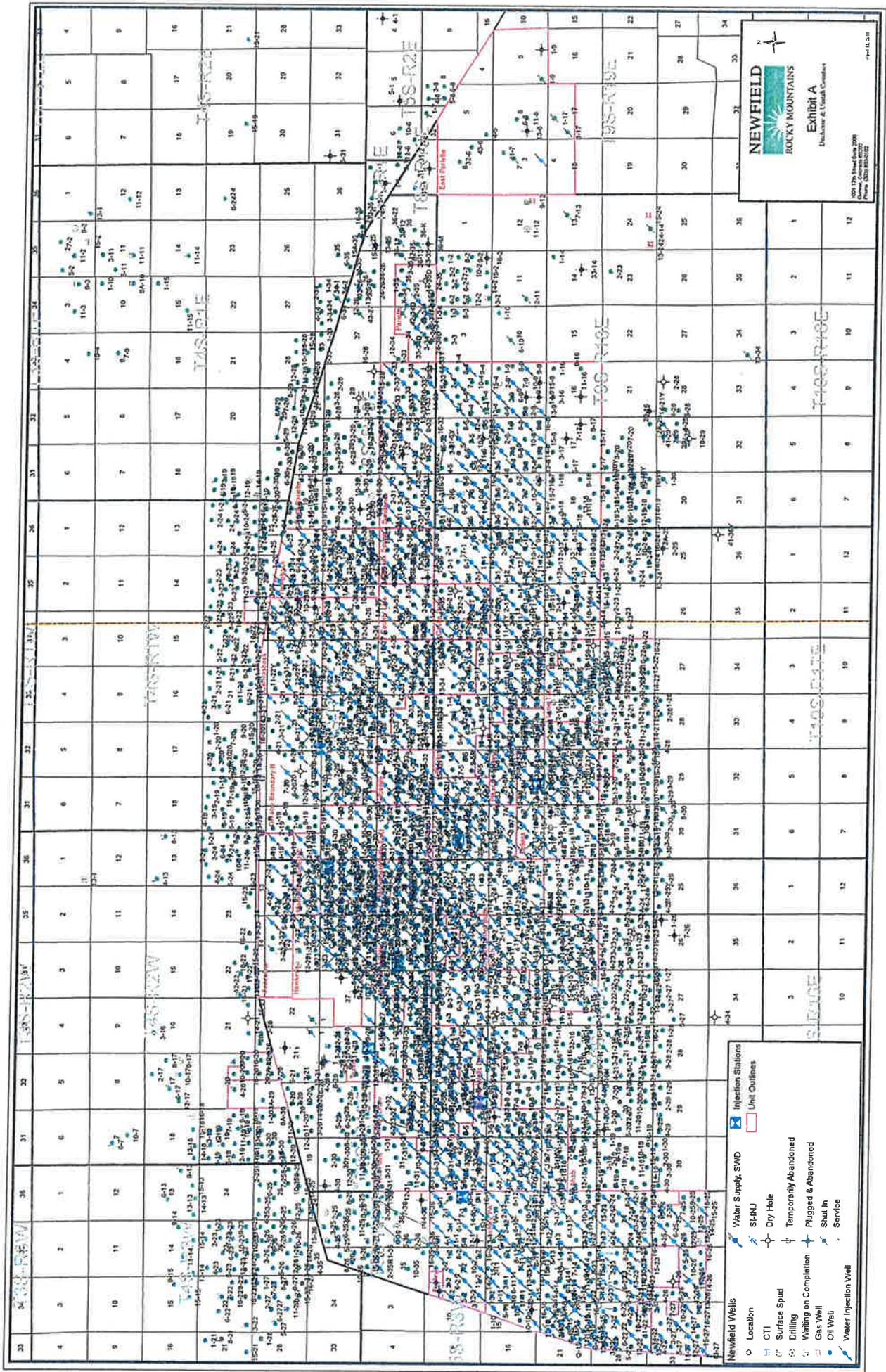
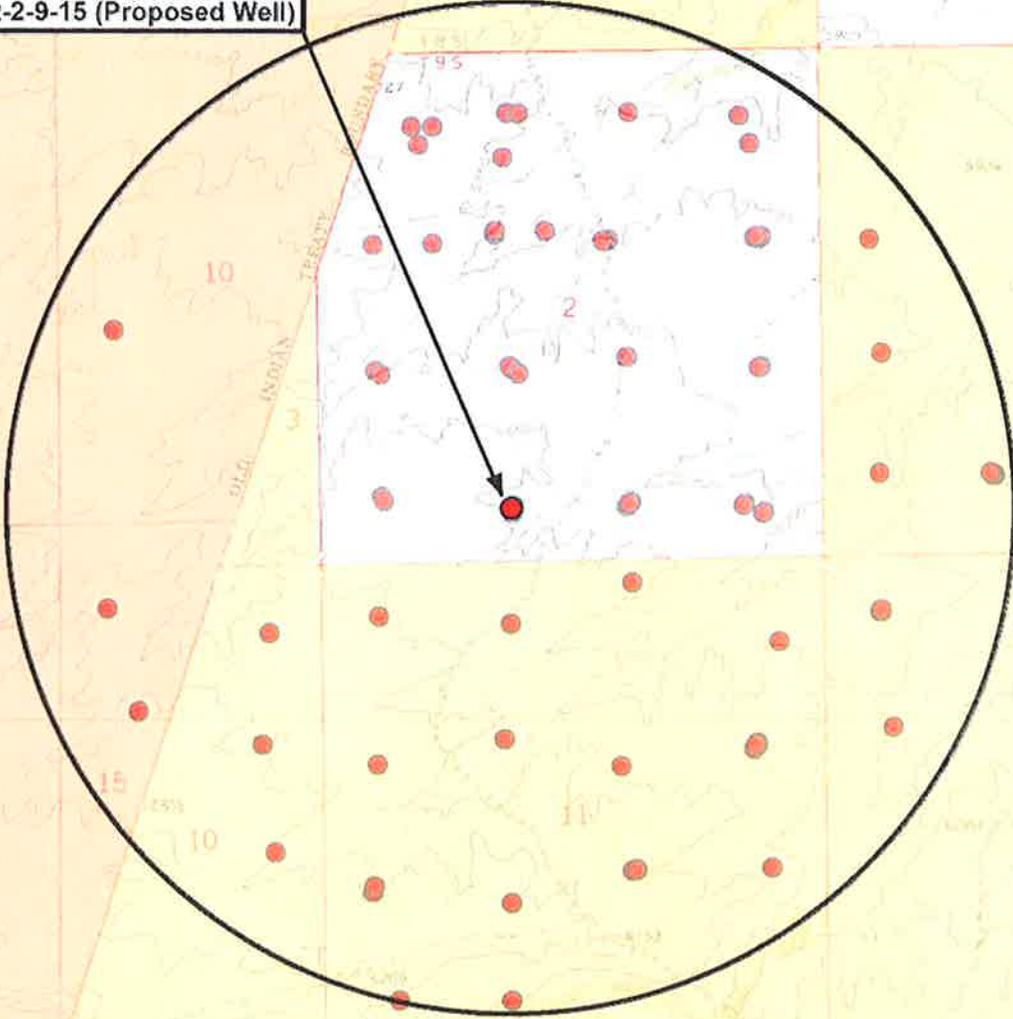


Exhibit "B" Map

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)



Legend

-  1 Mile Radius
-  Pad Location

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 Land Surveying, Inc.**
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NEWFIELD EXPLORATION COMPANY

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)

SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET **D**



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

R-2-9-15

Wellbore #1

Plan: Design #1

Standard Planning Report

26 June, 2011





Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well R-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	R-2-9-15	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 T9, R15				
Site Position:		Northing:	7,191,145.41 ft	Latitude:	40° 3' 15.350 N
From:	Lat/Long	Easting:	2,005,088.49 ft	Longitude:	110° 11' 49.770 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.83 °

Well	R-2-9-15, SHL LAT: 40 03 15.14 LONG: -110 12 05.62					
Well Position	+N/-S	-39.2 ft	Northing:	7,191,106.23 ft	Latitude:	40° 3' 15.140 N
	+E/-W	-1,232.0 ft	Easting:	2,003,856.52 ft	Longitude:	110° 12' 5.620 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,065.0 ft	Ground Level:	6,053.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/06/26	11.37	65.78	52,248

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 (°)
	5,200.0	0.0	0.0	37.32

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	
1,322.8	10.84	37.32	1,318.5	54.2	41.3	1.50	1.50	0.00	37.32	
5,274.8	10.84	37.32	5,200.0	645.4	492.0	0.00	0.00	0.00	0.00	R-2-9-15 TGT
6,405.0	10.84	37.32	6,310.0	814.5	620.9	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well R-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	R-2-9-15	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	37.32	700.0	1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	37.32	799.9	4.2	3.2	5.2	1.50	1.50	0.00
900.0	4.50	37.32	899.7	9.4	7.1	11.8	1.50	1.50	0.00
1,000.0	6.00	37.32	999.3	16.6	12.7	20.9	1.50	1.50	0.00
1,100.0	7.50	37.32	1,098.6	26.0	19.8	32.7	1.50	1.50	0.00
1,200.0	9.00	37.32	1,197.5	37.4	28.5	47.0	1.50	1.50	0.00
1,300.0	10.50	37.32	1,296.1	50.9	38.8	64.0	1.50	1.50	0.00
1,322.8	10.84	37.32	1,318.5	54.2	41.3	68.2	1.50	1.50	0.00
1,400.0	10.84	37.32	1,394.3	65.8	50.1	82.7	0.00	0.00	0.00
1,500.0	10.84	37.32	1,492.5	80.7	61.5	101.5	0.00	0.00	0.00
1,600.0	10.84	37.32	1,590.7	95.7	72.9	120.3	0.00	0.00	0.00
1,700.0	10.84	37.32	1,689.0	110.6	84.4	139.1	0.00	0.00	0.00
1,800.0	10.84	37.32	1,787.2	125.6	95.8	157.9	0.00	0.00	0.00
1,900.0	10.84	37.32	1,885.4	140.6	107.2	176.8	0.00	0.00	0.00
2,000.0	10.84	37.32	1,983.6	155.5	118.6	195.6	0.00	0.00	0.00
2,100.0	10.84	37.32	2,081.8	170.5	130.0	214.4	0.00	0.00	0.00
2,200.0	10.84	37.32	2,180.0	185.4	141.4	233.2	0.00	0.00	0.00
2,300.0	10.84	37.32	2,278.3	200.4	152.8	252.0	0.00	0.00	0.00
2,400.0	10.84	37.32	2,376.5	215.4	164.2	270.8	0.00	0.00	0.00
2,500.0	10.84	37.32	2,474.7	230.3	175.6	289.6	0.00	0.00	0.00
2,600.0	10.84	37.32	2,572.9	245.3	187.0	308.4	0.00	0.00	0.00
2,700.0	10.84	37.32	2,671.1	260.2	198.4	327.2	0.00	0.00	0.00
2,800.0	10.84	37.32	2,769.3	275.2	209.8	346.0	0.00	0.00	0.00
2,900.0	10.84	37.32	2,867.5	290.2	221.2	364.8	0.00	0.00	0.00
3,000.0	10.84	37.32	2,965.8	305.1	232.6	383.7	0.00	0.00	0.00
3,100.0	10.84	37.32	3,064.0	320.1	244.0	402.5	0.00	0.00	0.00
3,200.0	10.84	37.32	3,162.2	335.0	255.4	421.3	0.00	0.00	0.00
3,300.0	10.84	37.32	3,260.4	350.0	266.8	440.1	0.00	0.00	0.00
3,400.0	10.84	37.32	3,358.6	364.9	278.2	458.9	0.00	0.00	0.00
3,500.0	10.84	37.32	3,456.8	379.9	289.6	477.7	0.00	0.00	0.00
3,600.0	10.84	37.32	3,555.0	394.9	301.0	496.5	0.00	0.00	0.00
3,700.0	10.84	37.32	3,653.3	409.8	312.4	515.3	0.00	0.00	0.00
3,800.0	10.84	37.32	3,751.5	424.8	323.8	534.1	0.00	0.00	0.00
3,900.0	10.84	37.32	3,849.7	439.7	335.2	552.9	0.00	0.00	0.00
4,000.0	10.84	37.32	3,947.9	454.7	346.6	571.8	0.00	0.00	0.00
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4,200.0	10.84	37.32	4,144.3	484.6	369.4	609.4	0.00	0.00	0.00
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5,000.0	10.84	37.32	4,930.1	604.3	460.7	759.9	0.00	0.00	0.00
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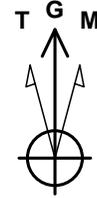


Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well R-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	R-2-9-15 @ 6065.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	R-2-9-15	Survey 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)
5,274.8	10.84	37.32	5,200.0	645.4	492.0	811.5	0.00	0.00	0.00
5,300.0	10.84	37.32	5,224.7	649.2	494.9	816.3	0.00	0.00	0.00
5,400.0	10.84	37.32	5,322.9	664.1	506.3	835.1	0.00	0.00	0.00
5,500.0	10.84	37.32	5,421.1	679.1	517.7	853.9	0.00	0.00	0.00
5,600.0	10.84	37.32	5,519.3	694.0	529.1	872.7	0.00	0.00	0.00
5,700.0	10.84	37.32	5,617.6	709.0	540.5	891.5	0.00	0.00	0.00
5,800.0	10.84	37.32	5,715.8	724.0	551.9	910.3	0.00	0.00	0.00
5,900.0	10.84	37.32	5,814.0	738.9	563.3	929.1	0.00	0.00	0.00
6,000.0	10.84	37.32	5,912.2	753.9	574.7	947.9	0.00	0.00	0.00
6,100.0	10.84	37.32	6,010.4	768.8	586.1	966.8	0.00	0.00	0.00
6,200.0	10.84	37.32	6,108.6	783.8	597.5	985.6	0.00	0.00	0.00
6,300.0	10.84	37.32	6,206.9	798.7	608.9	1,004.4	0.00	0.00	0.00
6,405.0	10.84	37.32	6,310.0	814.5	620.9	1,024.1	0.00	0.00	0.00



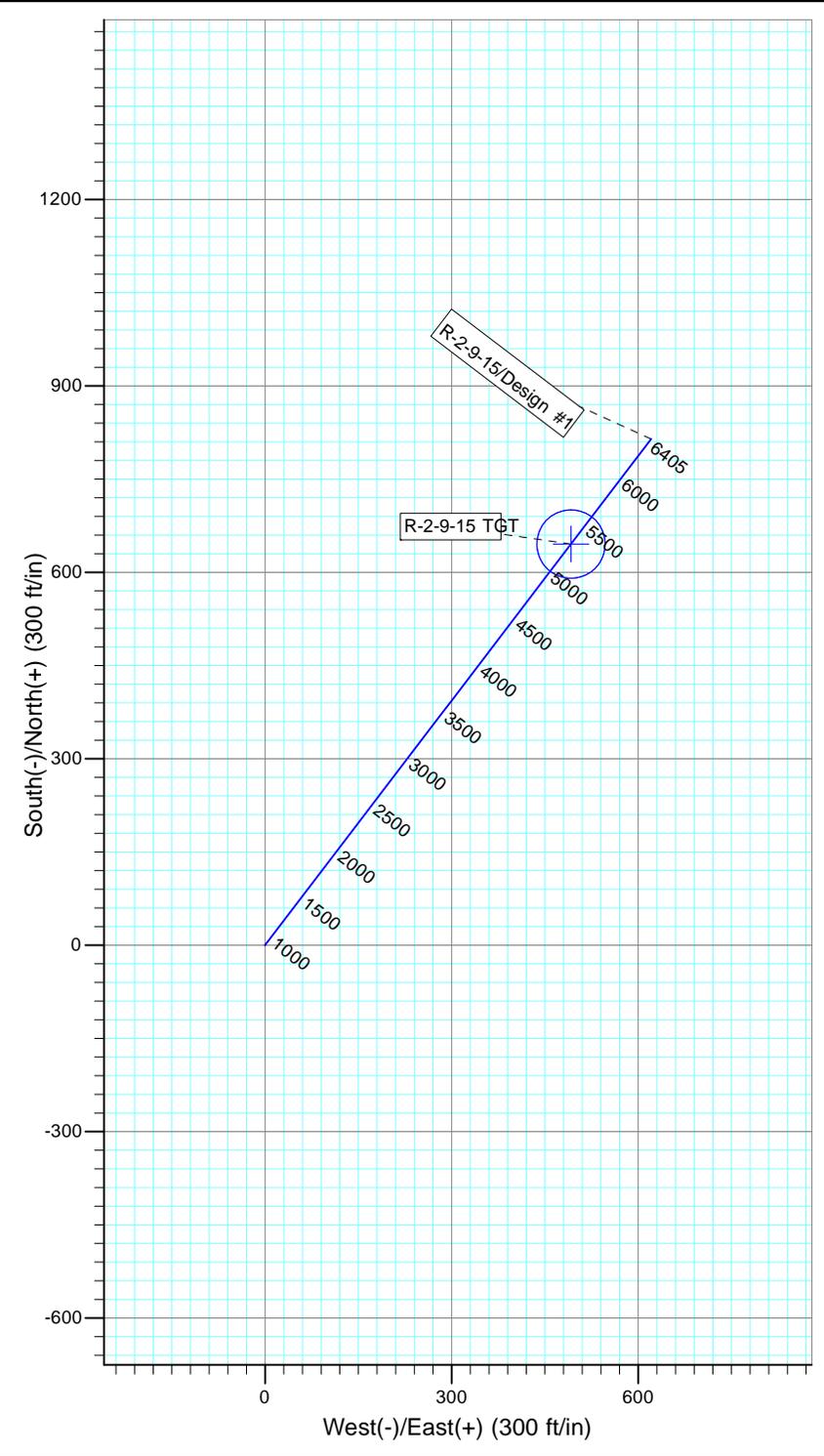
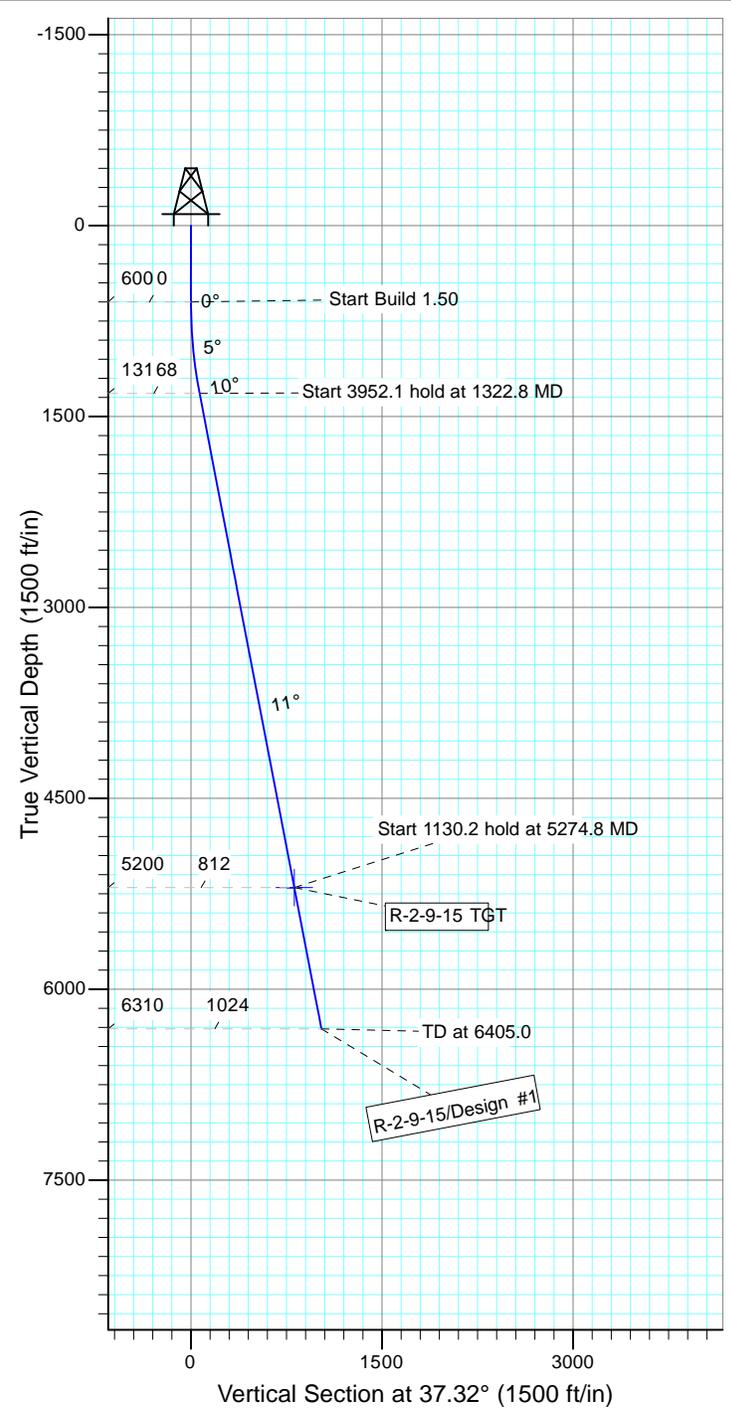
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: R-2-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.83°
 Magnetic North: 10.53°

Magnetic Field
 Strength: 52248.3snT
 Dip Angle: 65.77°
 Date: 2011/06/26
 Model: IGRF2010

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
R-2-9-15 TGT	5200.0	645.4	492.0	Circle (Radius: 55.0)

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	1322.8	10.84	37.32	1318.5	54.2	41.3	1.50	37.32	68.2	
4	5274.8	10.84	37.32	5200.0	645.4	492.0	0.00	0.00	811.5	R-2-9-15 TGT
5	6405.0	10.84	37.32	6310.0	814.5	620.9	0.00	0.00	1024.1	



**NEWFIELD PRODUCTION COMPANY
GMBU R-2-9-15
AT SURFACE: SE/SW SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU R-2-9-15 located in the SE 1/4 SW 1/4 Section 2, T9S, R15E, Duchesen 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 southwesterly - 6.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 0.8 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 1.6 miles \pm to it's junction with an existing road to the west; proceed westerly - 0.1 miles \pm to the existing 14-2-9-15 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 directionaly off of the existing 14-2-9-15 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 :**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-03-MQ-0751b,s 11/18/03, prepared by

Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 7/28/03. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 601' of buried water line to be granted for the proposed GMBU R-2-9-15.

It is proposed that the disturbed area will be 30' wide to allow for construction of the proposed buried 10" steel water injection line and a buried 3" poly water return line. The proposed buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

- 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 R-2-9-15, 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 R-2-9-15, 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: Tim Eaton
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 #R-2-9-15, Section 2, Township 9S, Range 15E: Lease ML-43538 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #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.

7/29/11

Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

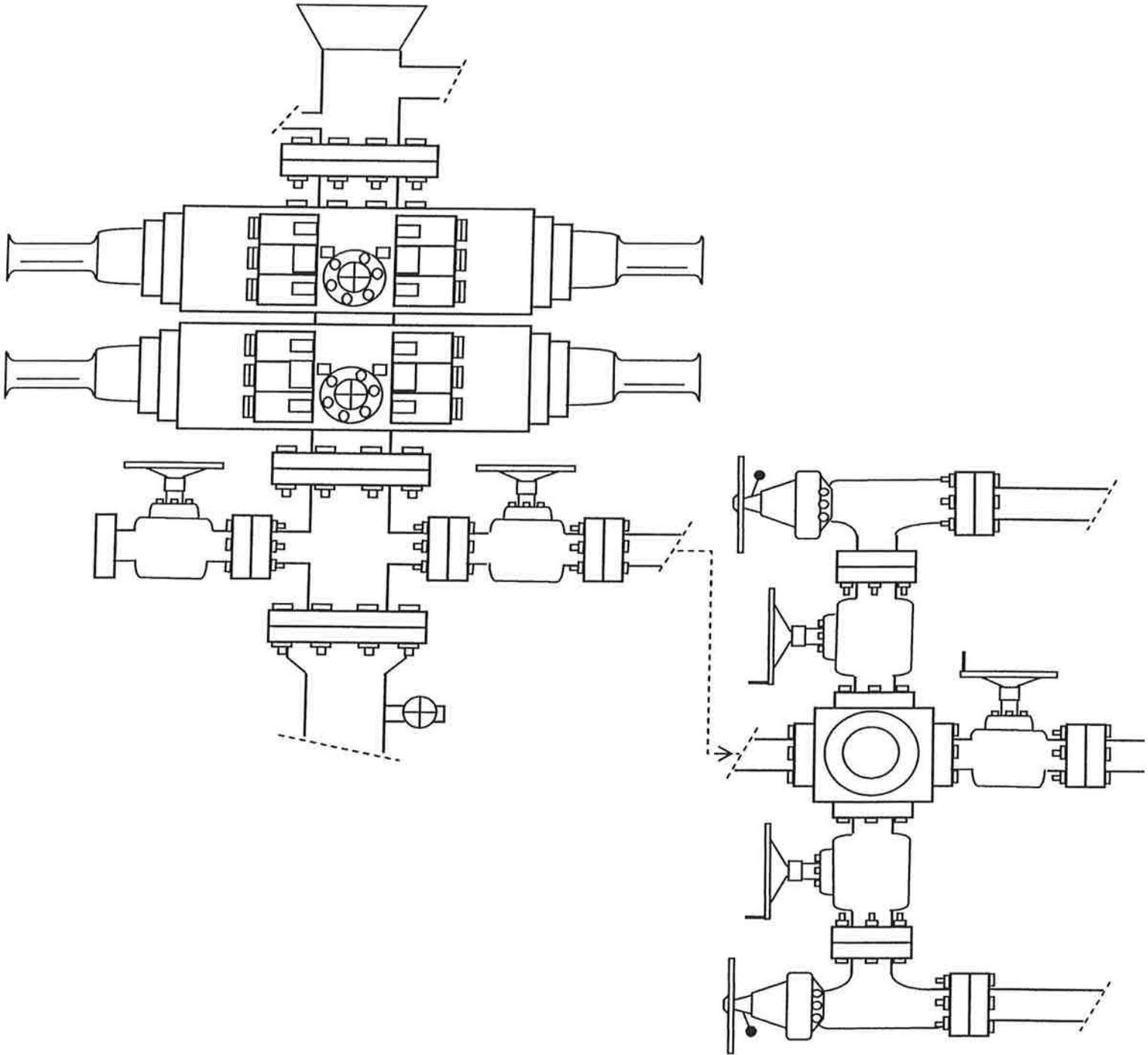


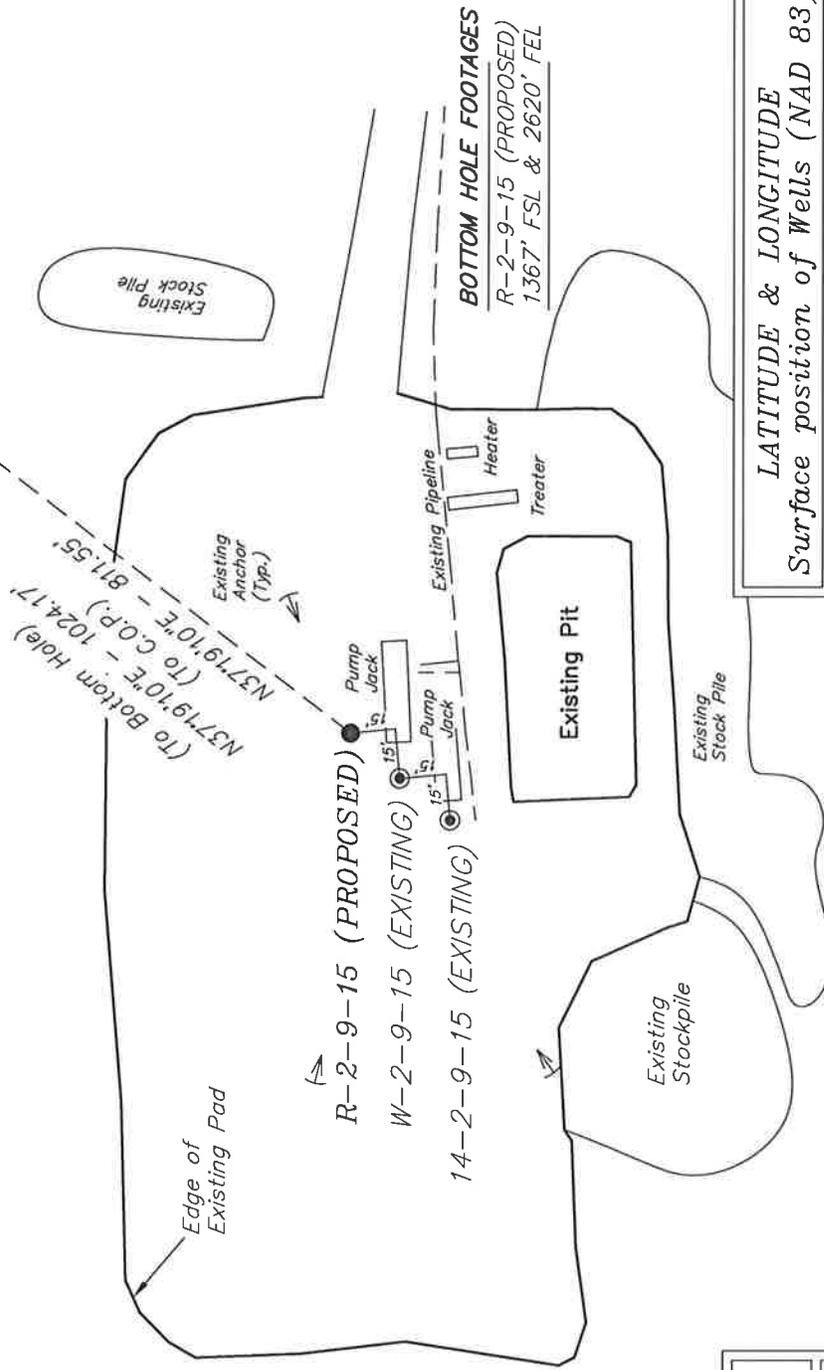
EXHIBIT C

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

- 14-2-9-15 (Existing Well)
- W-2-9-15 (Existing Well)
- R-2-9-15 (Proposed Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



TOP HOLE FOOTAGES

R-2-9-15 (PROPOSED)
561' FSL & 2050' FWL

CENTER OF PATTERN FOOTAGES

R-2-9-15 (PROPOSED)
1200' FSL & 2560' FWL

BOTTOM HOLE FOOTAGES
R-2-9-15 (PROPOSED)
1367' FSL & 2620' FEL

Note:
Bearings are based
on GPS Observations.

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

WELL	NORTH	EAST
R-2-9-15	645'	492'

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
R-2-9-15	814'	621'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
14-2-9-15	40° 03' 14.83"	110° 12' 05.99"
W-2-9-15	40° 03' 14.99"	110° 12' 05.80"
R-2-9-15	40° 03' 15.14"	110° 12' 05.62"

SURVEYED BY: S.H.	DATE SURVEYED: 06-18-11	VERSION: V1
DRAWN BY: M.W.	DATE DRAWN: 06-30-11	
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

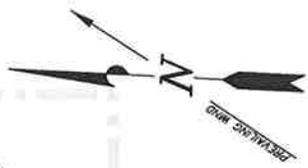
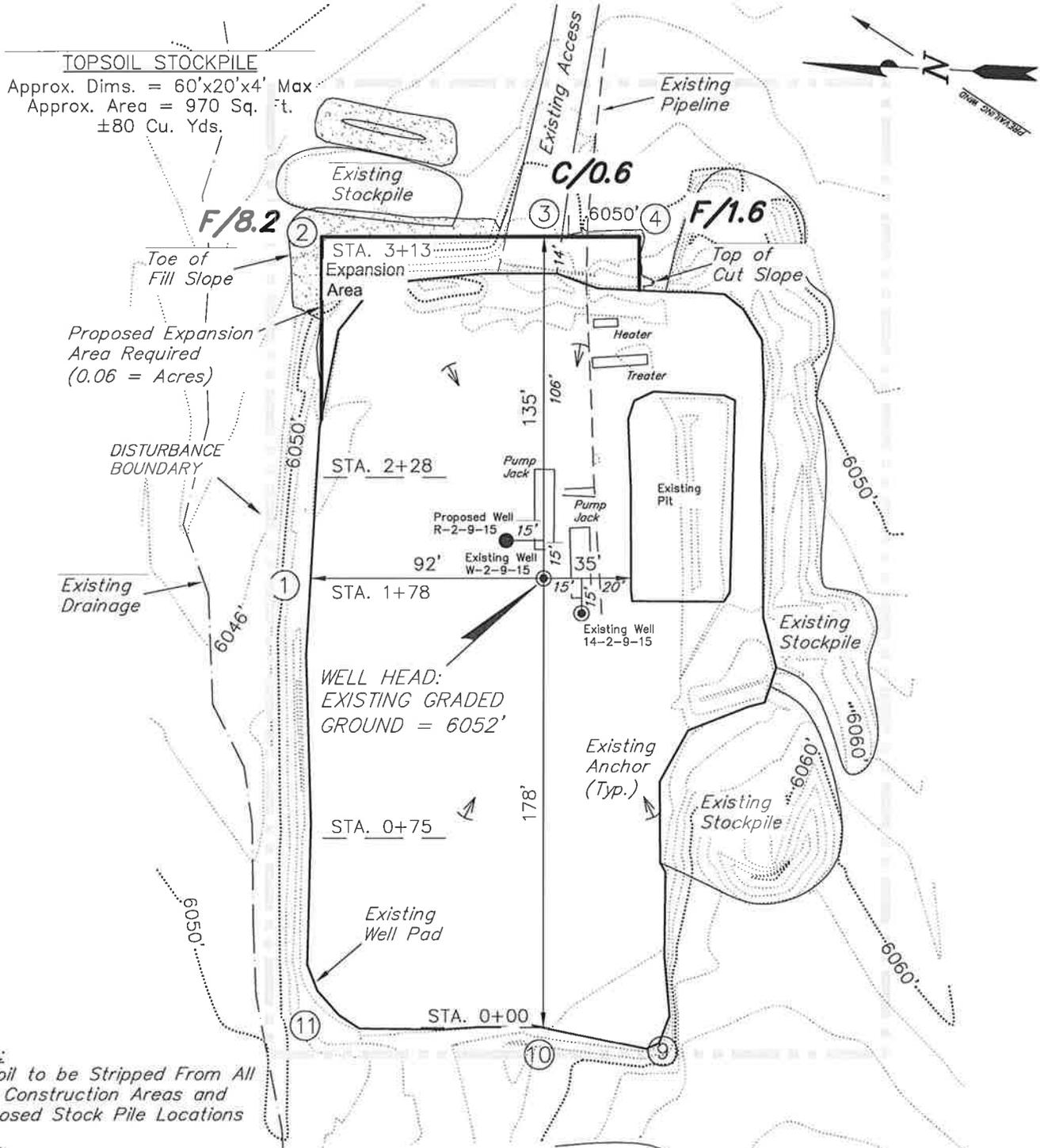
14-2-9-15 (Existing Well)

W-2-9-15 (Existing Well)

R-2-9-15 (Proposed Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.

TOPSOIL STOCKPILE
 Approx. Dims. = 60'x20'x4' Max
 Approx. Area = 970 Sq. Ft.
 ±80 Cu. Yds.



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

NOTE:
 The topsoil & excess material areas are calculated as being
 mounds containing 80 cubic yards of dirt (a 10% fluff factor
 is included). The mound areas are calculated with push
 slopes of 1.5:1 & fall slopes of 1.5:1.

Existing
 Stockpile

SURVEYED BY: S.H.	DATE SURVEYED: 06-14-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 06-30-11	V1
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

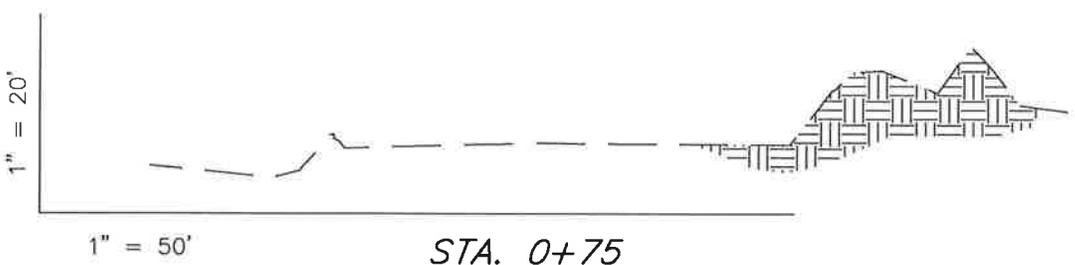
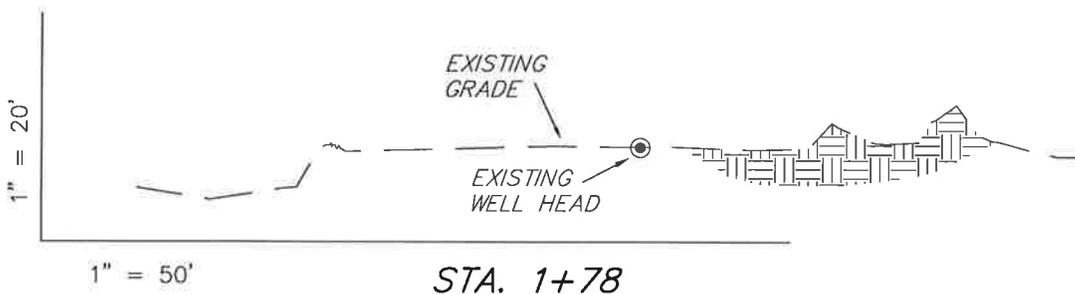
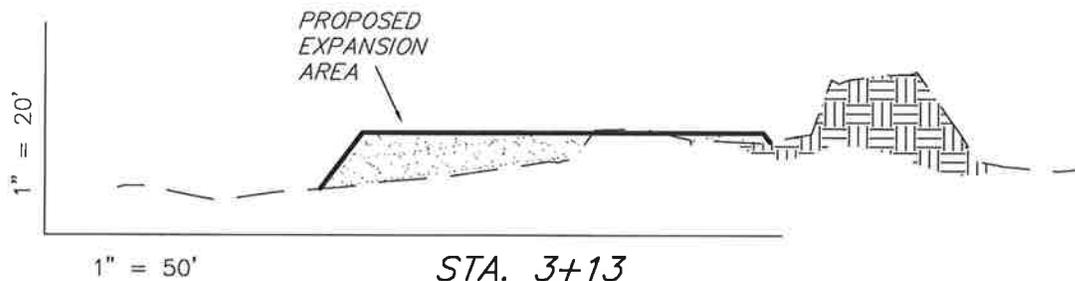
CROSS SECTIONS

14-2-9-15 (Existing Well)

W-2-9-15 (Existing Well)

R-2-9-15 (Proposed Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	10	280	Topsoil is not included in Pad Cut	-270
PIT	0	0		0
TOTALS	10	280	70	-270

SURVEYED BY: S.H.	DATE SURVEYED: 06-14-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 06-30-11	V1
SCALE: 1" = 60'	REVISED:	

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

NEWFIELD EXPLORATION COMPANY

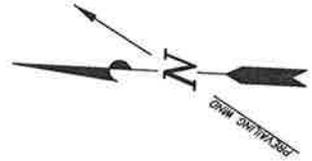
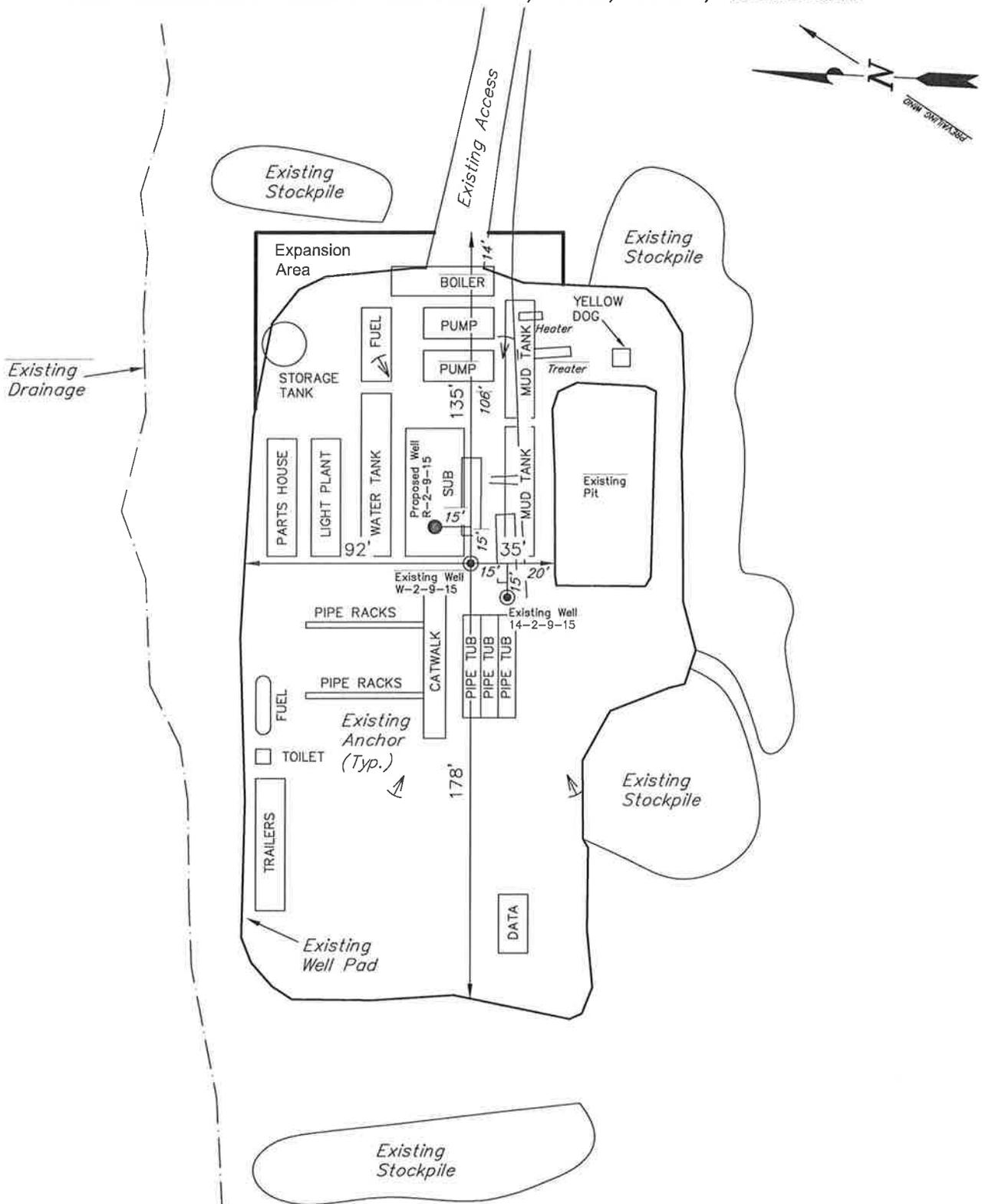
TYPICAL RIG LAYOUT

14-2-9-15 (Existing Well)

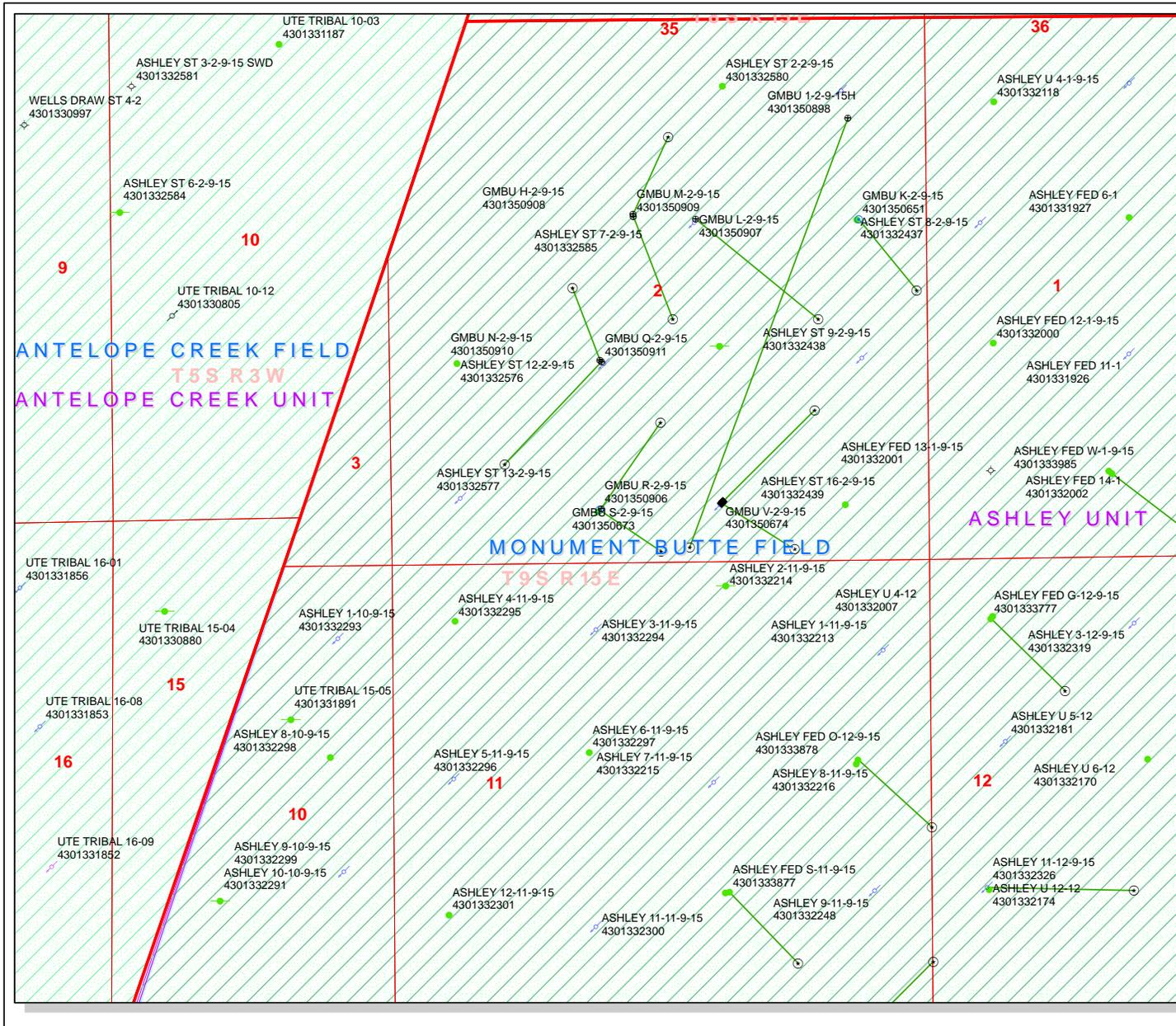
W-2-9-15 (Existing Well)

R-2-9-15 (Proposed Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



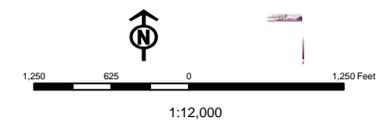
SURVEYED BY: S.H.	DATE SURVEYED: 06-14-11	VERSION:	 (435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
DRAWN BY: M.W.	DATE DRAWN: 06-30-11	V1	
SCALE: 1" = 60'	REVISED:		



API Number: 4301350906
Well Name: GMBU R-2-9-15
 Township T0.9 . Range R1.5 . Section 20
 Meridian: SLBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

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



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)

August 3, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 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 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50906	GMBU R-2-9-15	Sec 02 T09S R15E 0561 FSL 2050 FWL BHL Sec 02 T09S R15E 1367 FSL 2620 FEL
43-013-50907	GMBU L-2-9-15	Sec 02 T09S R15E 1977 FNL 2241 FEL BHL Sec 02 T09S R15E 2357 FSL 1068 FEL
43-013-50908	GMBU H-2-9-15	Sec 02 T09S R15E 1893 FNL 1639 FWL BHL Sec 02 T09S R15E 1171 FNL 2510 FEL
43-013-50909	GMBU M-2-9-15	Sec 02 T09S R15E 1913 FNL 1641 FWL BHL Sec 02 T09S R15E 2377 FSL 2492 FEL
43-013-50910	GMBU N-2-9-15	Sec 02 T09S R15E 2015 FSL 2037 FWL BHL Sec 02 T09S R15E 2615 FNL 1043 FWL
43-013-50911	GMBU Q-2-9-15	Sec 02 T09S R15E 2001 FSL 2053 FWL BHL Sec 02 T09S R15E 0994 FSL 1106 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: 2011.08.03 14:18:49 -06'00'

RECEIVED: August 04, 2011

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

MCoulthard:mc:8-3-11



VIA ELECTRONIC DELIVERY

August 9, 2011

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 R-2-9-15
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 2: SESW (ML-43538)
561' FSL 2050' FWL

At Target: T9S-R15E Section 2: NWSE (ML-43538)
1367' FSL 2620' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 7/28/2011, 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 303-383-4153 or by email at pburns@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "Peter Burns", with a long horizontal flourish extending to the right.

Peter Burns
Land Associate

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			6. MINERAL LEASE NO: ML-43538	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company			9. WELL NAME and NUMBER: GMBU R-2-9-15	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052		PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: SE/SW 561' FSL 2050' FWL Sec. 2 T9S R15E AT PROPOSED PRODUCING ZONE: NW/SE 1367' FSL 2620' FEL Sec. 2 T9S R15E			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 2 9S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 14.3 miles southwest of Myton, Utah			12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 1367' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 621.07 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1290'	19. PROPOSED DEPTH: 6,405	20. BOND DESCRIPTION: #B001834		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6052' GL	22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011	23. ESTIMATED DURATION: (15) days from SPUD to rig release		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	138 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	6,405	Lead(Prem Lite II)	304 sx +/-	3.26	11.0
					Tail (50/50 Poz)	363 sx +/-	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 checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE 7/28/11

(This space for State use only)

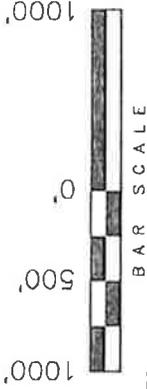
API NUMBER ASSIGNED: _____

APPROVAL: _____

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, R-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, R-2-9-15, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

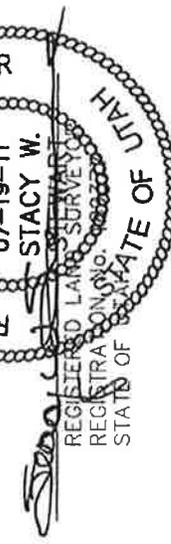


NOTES:

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

◆ = SECTION CORNERS LOCATED

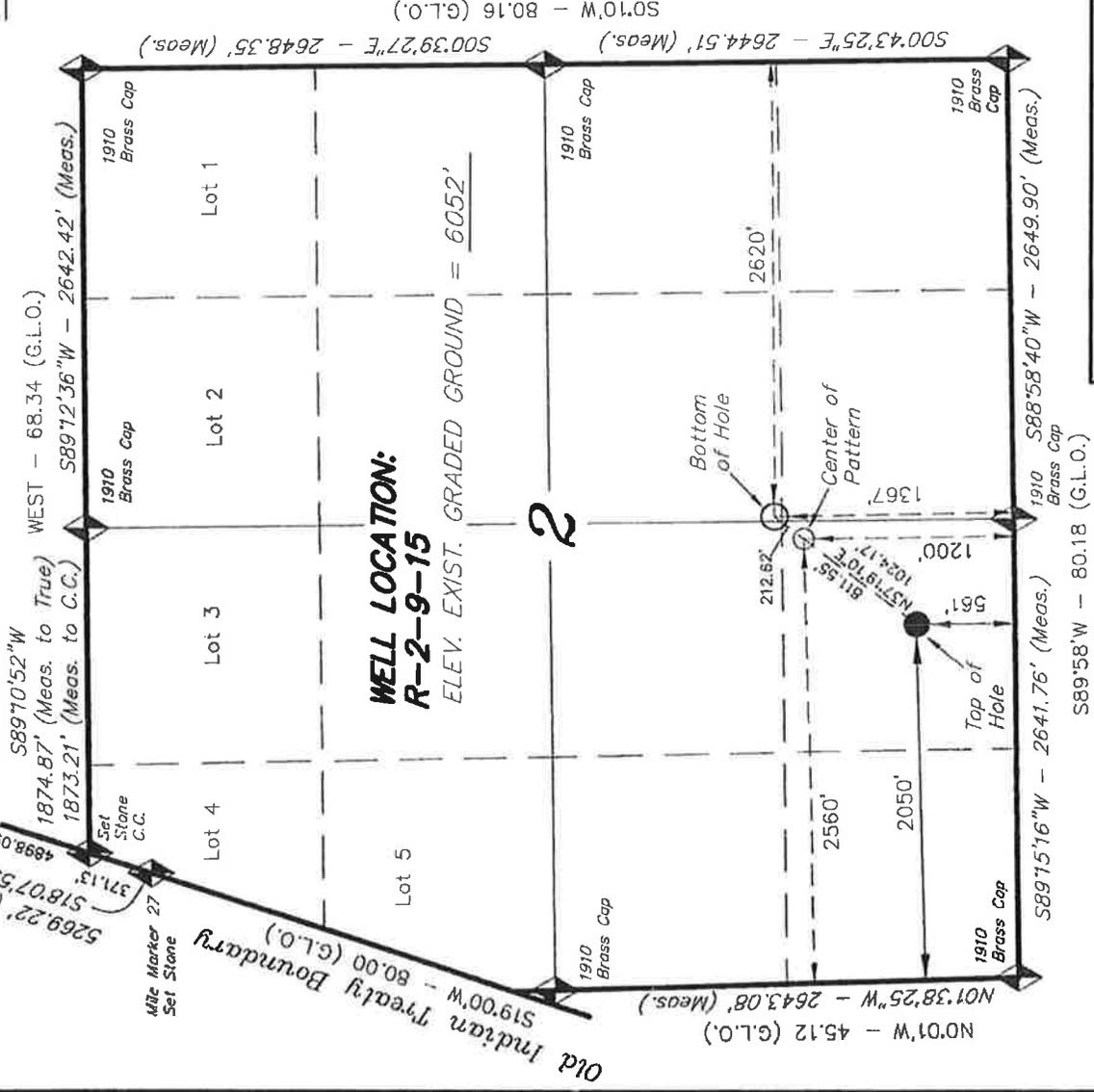
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. 07-19-11 STACY W. REGISTERED LAND SURVEYOR REGISTRATION NO. 6189377 STATE OF UTAH



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

DATE SURVEYED: 06-14-11	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 06-30-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

T9S, R15E, S.L.B.&M.



R-2-9-15
(Surface Location) **NAD 83**
LATITUDE = 40° 03' 15.14"
LONGITUDE = 110° 12' 05.62"

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

Access Road Map

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)

Mykon ± 12.6 mi.

± 1.6 mi.

± 0.1 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.

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

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



NEWFIELD EXPLORATION COMPANY

14-2-9-15 (Existing Well)
 W-2-9-15 (Existing Well)
 R-2-9-15 (Proposed Well)
 SEC. 2, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-18-2011		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Well Name	NEWFIELD PRODUCTION COMPANY GMBU R-2-9-15 43013			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6310		
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)	2754	8.4		

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 <input type="checkbox"/> air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO <input type="checkbox"/> 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=	2756	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1999	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1368	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1434	NO <input type="checkbox"/> Reasonable for area
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 <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

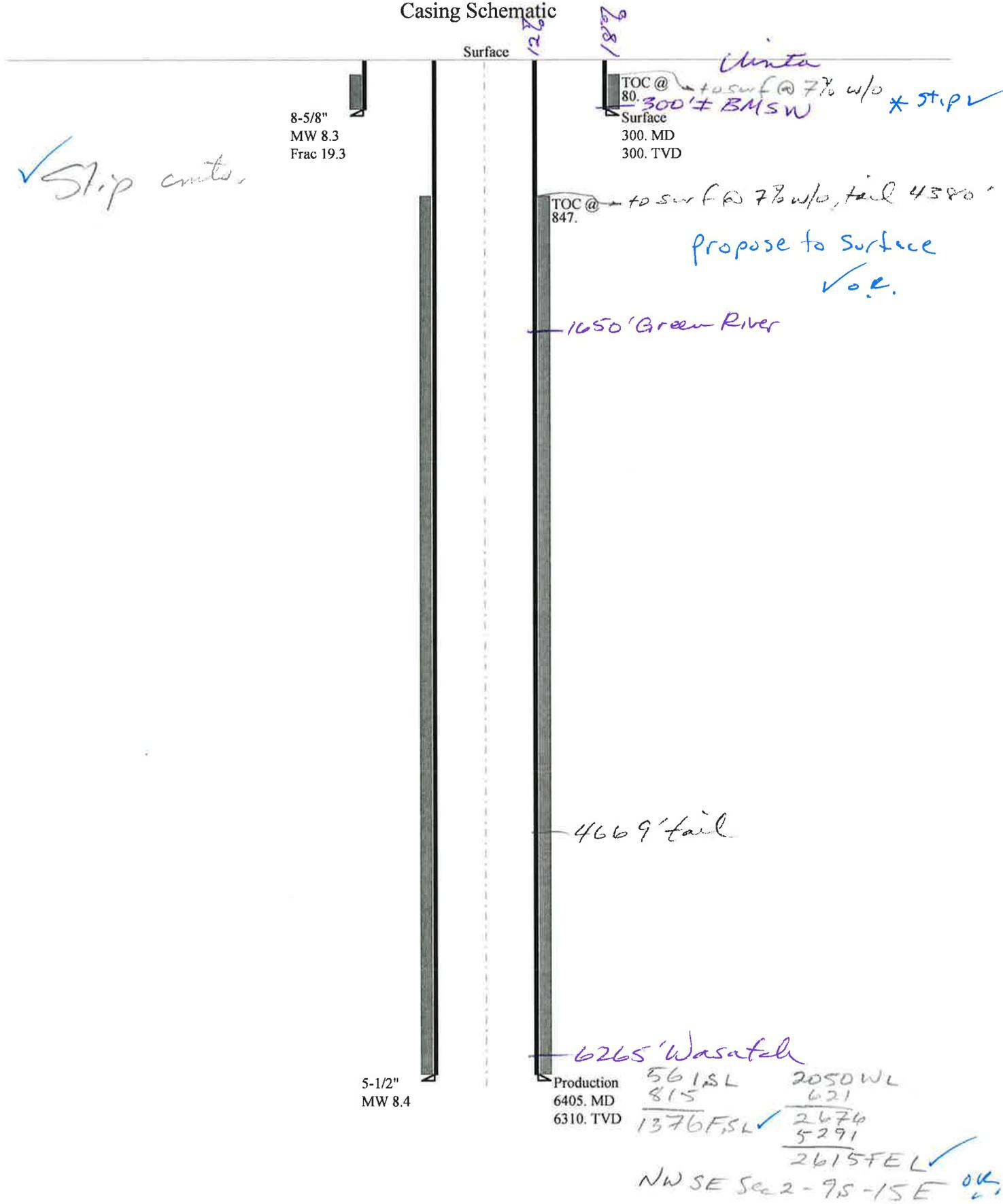
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013509060000

*Max Pressure Allowed @ Previous Casing Shoe=	<input type="text"/>	psi *Assumes 1psi/ft frac gradient
---	----------------------	------------------------------------

43013509060000 GMBU R-2-9-15

Casing Schematic



8-5/8"
MW 8.3
Frac 19.3

TOC @
80.
Surface
300. MD
300. TVD

Uinta

to surf @ 7% w/o * slip ✓

✓ Slip craters

TOC @ 847. to surf @ 7% w/o, tail 4380'

propose to surface
✓.

1650' Green River

4669' tail

6265' Wasatch

5-1/2"
MW 8.4

Production
6405. MD
6310. TVD

5612L	2050WL
815	621
1376FSL ✓	2676
	5291

2615FEL ✓

NW SE Sec 2-9S-15E OK ✓

Well name:	43013509060000 GMBU R-2-9-15	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50906
Location:	DUCHESNE 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

Non-directional string.

Re subsequent strings:

Next setting depth: 6,310 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,753 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	10.557	300	2950	9.83	7.2	244	33.90 J

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

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

Date: August 18, 2011
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.

Well name:	43013509060000 GMBU R-2-9-15	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-50906
Location:	DUCHESNE 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: 162 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft
Cement top: 847 ft

Burst

Max anticipated surface pressure: 1,365 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,753 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: 5,589 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1024 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 10.84 °

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	6405	5.5	15.50	J-55	LT&C	6310	6405	4.825	22616
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	2753	4040	1.467	2753	4810	1.75	97.8	217	2.22 J

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

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

Date: August 18, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6310 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

From: Jim Davis
To: Hill, Brad; Mason, Diana
CC: Bonner, Ed; Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield...
Date: 9/20/2011 3:45 PM
Subject: Newfield APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

4304751877 GMBU I-32-8-18
4304751878 GMBU H-32-8-18
4304751879 GMBU L-32-8-18
4304751880 GMBU R-32-8-18
4304751881 GMBU M-32-8-18
4304751882 GMBU G-32-8-18
4304751883 GMBU N-32-8-18
4304751884 GMBU S-32-8-18
4301350898 GMBU 1-2-9-15H
4301350906 GMBU R-2-9-15
4301350907 GMBU L-2-9-15
4301350908 GMBU H-2-9-15
4301350909 GMBU M-2-9-15
4301350910 GMBU N-2-9-15
4301350911 GMBU Q-2-9-15

Thanks.
-Jim

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU R-2-9-15
API Number 43013509060000 **APD No** 4286 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SESW **Sec 2 Tw 9.0S Rng 15.0E** 561 FSL 2050 FWL
GPS Coord (UTM) **Surface Owner**

Participants

M. Jones (UDOGM), T. Eaton (Newfield), J. Davis (SITLA), A. Hansen (DWR).

Regional/Local Setting & Topography

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is a small amount of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit. The berm on the east side of the existing pad has had a breach left in it intentionally for pipe leaving location. This should be corrected to have the berm in place as stipulated.

Surface Use Plan

Current Surface Use

Grazing
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 127 Length 313	Onsite	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

existing well pad.

Soil Type and Characteristics

gravely clay

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Berm location to prevent fluids from entering and/or leaving the pad.

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)	>200	0	
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	40	1 Sensitivity Level

Characteristics / Requirements

Dugout earthen (80' x 40' x 8') excluded from pad dimensions.

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

Other Observations / Comments

Mark Jones
Evaluator

8/10/2011
Date / Time

Application for Permit to Drill Statement of Basis

9/20/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4286	43013509060000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU R-2-9-15	Unit		GMBU (GRRV)	
Field	MONUMENT BUTTE	Type of Work		DRILL	
Location	SESW 2 9S 15E S 561 FSL 2050 FWL		GPS Coord (UTM)	568169E	4433861N

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows 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 should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

8/16/2011
Date / Time

Surface Statement of Basis

This location is proposed approximately 14 road miles southwest of Myton, Utah. The topography is rolling hills and dry wash drainages. Proposed bottom hole is southwest of wellhead. This well is proposed on an existing well pad. There is a small amount of additional pad disturbance planned on the east side. The old pit area will be re-disturbed for the new pit. The berm on the east side of the existing pad has had a breach left in it intentionally for pipe leaving location. This should be corrected to have the berm in place as stipulated.

Mark Jones
Onsite Evaluator

8/10/2011
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	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/29/2011

API NO. ASSIGNED: 43013509060000

WELL NAME: GMBU R-2-9-15

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SESW 02 090S 150E

Permit Tech Review:

SURFACE: 0561 FSL 2050 FWL

Engineering Review:

BOTTOM: 1367 FSL 2620 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.05413

LONGITUDE: -110.20079

UTM SURF EASTINGS: 568169.00

NORTHINGS: 4433861.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-43538

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:** 12/2/1999
- Siting:** 460' Fr U Bdry & Uncommitted Tracts
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
 8 - Cement to Surface -- 2 strings - hmadonald
 15 - Directional - dmason
 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 R-2-9-15
API Well Number: 43013509060000
Lease Number: ML-43538
Surface Owner: STATE
Approval Date: 9/20/2011

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 volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back 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:



For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU R-2-9-15
Qtr/Qtr SE/SW Section 2 Township 9S Range 15E
Lease Serial Number ML-43538
API Number 43-013-50906

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

Date/Time 12/8/11 9:00 AM PM

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

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

Date/Time 12/8/12 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 _____

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
 ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400 ✓	4301350546	GREATER MON BUTTE G-5-9-17	NENW	5	9S	17E	DUCHESNE	12/5/2011	12/16/11
WELL 1 COMMENTS: GRRV BHL = SWNW											
B	99999	17400 ✓	4301350906	GMBU R-2-9-15	SESW	2	9S	15E	DUCHESNE	12/8/2011	12/16/11
GRRV BHL = NWSE											
B	99999	17400 ✓	4301350484	GREATER MON BUTTE M-7-9-17	NESW	7	9S	17E	DUCHESNE	12/7/2011	12/16/11
GRRV BHL = SWNE											
B	99999	17400 ✓	4301350485	GREATER MON BUTTE R-7-9-17	NESW	7	9S	17E	DUCHESNE	12/6/2011	12/16/11
GRRV BHL = SWSE											
B	99999	17400 ✓	4301350721	GMBU D-8-9-16	SWSW	5 8	9S	16E	DUCHESNE	12/12/2011	12/16/11
GRRV BHL = Sec 8 NENW											
B	99999	17400 ✓	4301350724	GMB U B-7-9-16	SWSE	6 7	9S	16E	DUCHESNE	12/8/2011	12/16/11
GRRV BHL = Sec 7 NENE											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

RECEIVED
 DEC 14 2011

Jentri Park
 Signature
 Production Clerk
 12/14/11

NOTE: Use COMMENT section to explain why each Action Code was selected.

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-43538
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU R-2-9-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0561 FSL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013509060000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/23/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above well was placed on production on 01/23/2012 at 17:00 hours, and placed on pump on 01/25/2012 at 18:30 hours.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 27, 2012		
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 1/27/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43538
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMBU R-2-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013509060000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0561 FSL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE 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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/23/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The above well was placed on production on 01/23/2012 at 17:00 hours, and placed on pump on 01/25/2012 at 18:30 hours.

RECEIVED

JUN 21 2012

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 1/27/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-43538
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMBU R-2-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013509060000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0561 FSL 2050 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 09.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

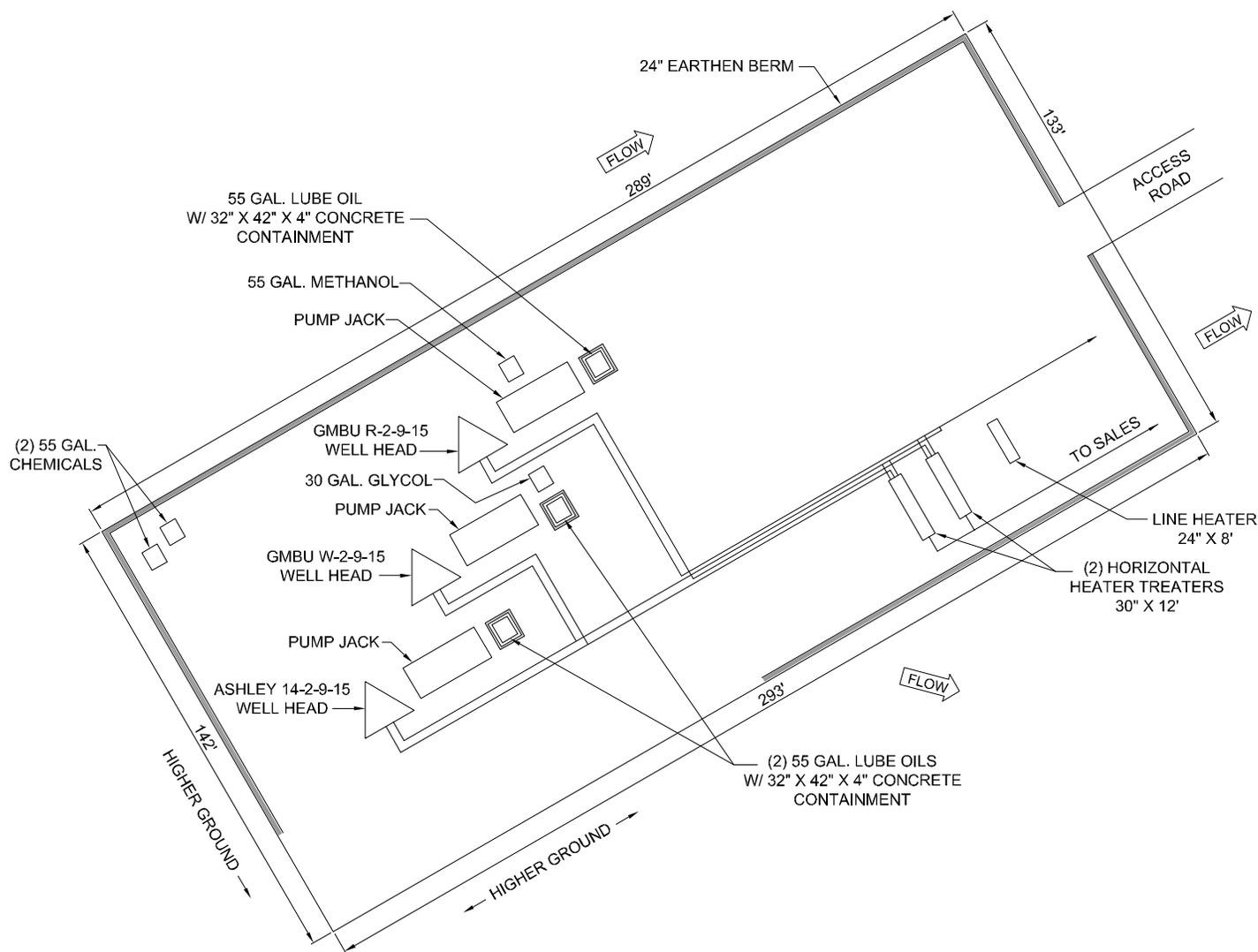
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/1/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Site Facility Diagram/Site Se"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 27, 2012

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A	DATE 8/13/2012	



UTU87538X

GMBU R-2-9-15 - API #: 4301350906
 GMBU W-2-9-15 - API #: 4301350652
 ASHLEY 14-2-9-15 - API #: 4301350652

	GMBU R-2-9-15 Newfield Exploration Company SESW Sec 2, T9S, R15E Duchesne County, UT
	
N.T.S.	
M.G.	
MAR 2012	

RECEIVED: Aug. 13, 2012

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

5. Lease Serial No.
ML-43538

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

6. If Indian, Allottee or Tribe Name
NA

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202
 3a. Phone No. (include area code) (435) 646-3721

8. Lease Name and Well No.
GMBU R-2-9-15

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface 561' FSL & 2050' FWL (SE/SW) SEC. 2, T9S, R15E (ML-43538)

9. AFI Well No.
43-013-50906

At top prod. interval reported below 1161' FSL & 2515' FWL (SE/SW) SEC. 2, T9S, R15E (ML-43538)

10. Field and Pool or Exploratory
MONUMENT BUTTE

At total depth 1339' FSL & ²⁶²⁷2645' FEL (NW/SE) SEC. 2, T9S, R15E (ML-43538) *BHL by HSM*

11. Sec., T., R., M., on Block and Survey or Area
SEC. 2, T9S, R15E

12. County or Parish DUCHESNE
 13. State UT

14. Date Spudded 12/08/2011
 15. Date T.D. Reached 01/01/2012
 16. Date Completed 01/25/2012
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6052' GL 6065' KB

18. Total Depth: MD 6403' TVD 6301'
 19. Plug Back T.D.: MD 6352' TVD *6251*

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	340'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6394'		372 PRIMLITE		32'	
						450 50/50 POZ			

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@ 6212'	TA @ 6114'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4894'	6155'	6039-6155'	.36"	18	
B)			4894-5873'	.34"	66	
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4894-6155'	Frac w/256696# 20/40 white sand in 2195 Lightning 17 fluid, in 5 stages.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/19/12	2/4/12	24	→	78	66	168			2-1/2" x 1-3/4" x 20' 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	
			→						

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JUN 21 2012

*(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
GREEN RIVER	4894'	6155'		GARDEN GULCH MARKER	3826'
				GARDEN GULCH 1	4069'
				GARDEN GULCH 2	4183'
				POINT 3 MRKR	4445'
				X MRKR	4716'
				Y MRKR	4751'
DOUGLAS CREEK BI-CARBONATE					4863'
					5113'
B LIMESTONE CASTLE PEAK					5218'
					5788'
BASAL CARBONATE WASATCH					6232'
					6363'

32. Additional remarks (include plugging procedure):

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

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: Drilling Daily Activity

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

Name (please print) Jennifer Peatross Title Production Technician
 Signature *Jennifer Peatross* Date 03/05/2012

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



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

R-2-9-15

Wellbore #1

Design: Actual

Standard Survey Report

31 December, 2011





Payzone Directional Survey Report



Company: NEWFIELD EXPLORATION	Local Co-ordinate Reference: Well R-2-9-15
Project: USGS Myton SW (UT)	TVD Reference: R-2-9-15 @ 6065.0ft (Capstar 329)
Site: SECTION 2 T9, R15	MD Reference: R-2-9-15 @ 6065.0ft (Capstar 329)
Well: R-2-9-15	North Reference: True
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Actual	Database: EDM 2003.21 Single User Db

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

Site: SECTION 2 T9, R15			
Site Position:	Northing: 7,191,145.41 ft	Latitude: 40° 3' 15.350 N	
From: Lat/Long	Easting: 2,005,088.49 ft	Longitude: 110° 11' 49.770 W	
Position Uncertainty: 0.0 ft	Slot Radius: "	Grid Convergence: 0.83 °	

Well: R-2-9-15, SHL LAT: 40 03 15.14 LONG: -110 12 05.62			
Well Position	+N/-S 0.0 ft	Northing: 7,191,106.23 ft	Latitude: 40° 3' 15.140 N
	+E/-W 0.0 ft	Easting: 2,003,856.52 ft	Longitude: 110° 12' 5.620 W
Position Uncertainty	0.0 ft	Wellhead Elevation: 6,065.0 ft	Ground Level: 6,053.0 ft

Wellbore: Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/26/2011	11.37	65.78	52,248

Design: Actual					
Audit Notes:					
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0			
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	37.32	

Survey Program Date 12/31/2011					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
376.0	6,403.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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
376.0	0.88	198.00	376.0	-2.7	-0.9	-2.7	0.23	0.23	0.00
406.0	0.80	199.80	406.0	-3.2	-1.0	-3.1	0.28	-0.27	6.00
440.0	0.70	179.20	440.0	-3.6	-1.1	-3.5	0.84	-0.29	-60.59
470.0	0.50	129.50	470.0	-3.9	-1.0	-3.7	1.79	-0.67	-165.67
502.0	1.30	87.90	502.0	-3.9	-0.5	-3.5	3.07	2.50	-130.00
532.0	1.80	83.00	532.0	-3.9	0.3	-2.9	1.72	1.67	-16.33
562.0	2.60	84.70	561.9	-3.7	1.4	-2.1	2.68	2.67	5.67
592.0	3.10	86.10	591.9	-3.6	2.9	-1.1	1.68	1.67	4.67
623.0	3.40	91.80	622.9	-3.6	4.7	0.0	1.42	0.97	18.39
653.0	4.00	92.80	652.8	-3.7	6.6	1.1	2.01	2.00	3.33
684.0	4.50	95.00	683.7	-3.8	8.9	2.3	1.70	1.61	7.10
714.0	4.90	93.90	713.6	-4.0	11.3	3.7	1.37	1.33	-3.67

Payzone Directional
Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well R-2-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Site:	SECTION 2 T9, R15	MD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Well:	R-2-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

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)
744.0	5.70	92.60	743.5	-4.2	14.1	5.2	2.70	2.67	-4.33
775.0	6.20	88.10	774.3	-4.2	17.3	7.2	2.20	1.61	-14.52
806.0	6.50	85.30	805.1	-4.0	20.7	9.4	1.39	0.97	-9.03
836.0	7.30	82.20	834.9	-3.6	24.3	11.9	2.94	2.67	-10.33
882.0	8.00	82.10	880.5	-2.8	30.4	16.2	1.52	1.52	-0.22
927.0	8.90	79.80	925.0	-1.7	36.9	21.0	2.14	2.00	-5.11
972.0	9.60	77.40	969.4	-0.3	44.0	26.4	1.78	1.56	-5.33
1,018.0	10.30	74.70	1,014.7	1.6	51.7	32.7	1.83	1.52	-5.87
1,063.0	10.77	70.78	1,059.0	4.1	59.6	39.4	1.90	1.04	-8.71
1,108.0	11.34	65.29	1,103.1	7.3	67.5	46.8	2.66	1.27	-12.20
1,154.0	11.60	63.71	1,148.2	11.3	75.8	54.9	0.89	0.57	-3.43
1,199.0	11.91	59.97	1,192.3	15.6	83.9	63.2	1.83	0.69	-8.31
1,244.0	12.98	59.92	1,236.2	20.4	92.3	72.2	2.38	2.38	-0.11
1,290.0	13.70	55.98	1,281.0	26.1	101.3	82.1	2.52	1.57	-8.57
1,335.0	14.28	51.58	1,324.6	32.5	110.0	92.6	2.69	1.29	-9.78
1,380.0	14.90	50.39	1,368.2	39.6	118.8	103.6	1.53	1.38	-2.64
1,426.0	15.12	45.65	1,412.6	47.6	127.7	115.3	2.71	0.48	-10.30
1,471.0	15.51	39.80	1,456.0	56.3	135.7	127.1	3.54	0.87	-13.00
1,516.0	15.56	36.99	1,499.4	65.8	143.2	139.1	1.68	0.11	-6.24
1,561.0	15.95	31.98	1,542.7	75.8	150.1	151.3	3.14	0.87	-11.13
1,607.0	16.08	27.98	1,586.9	86.8	156.4	163.9	2.42	0.28	-8.70
1,652.0	16.13	26.18	1,630.1	98.0	162.1	176.2	1.12	0.11	-4.00
1,697.0	16.13	26.05	1,673.4	109.2	167.6	188.5	0.08	0.00	-0.29
1,743.0	15.12	26.05	1,717.7	120.3	173.1	200.6	2.20	-2.20	0.00
1,788.0	14.19	27.32	1,761.2	130.5	178.2	211.8	2.19	-2.07	2.82
1,833.0	13.27	27.50	1,804.9	140.0	183.1	222.3	2.05	-2.04	0.40
1,879.0	12.50	29.12	1,849.8	149.0	188.0	232.4	1.85	-1.67	3.52
1,924.0	11.47	32.24	1,893.8	157.0	192.7	241.7	2.70	-2.29	6.93
1,969.0	11.12	33.83	1,937.9	164.4	197.5	250.5	1.04	-0.78	3.53
2,015.0	10.28	32.82	1,983.1	171.6	202.2	259.0	1.87	-1.83	-2.20
2,060.0	10.90	31.37	2,027.3	178.6	206.6	267.3	1.50	1.38	-3.22
2,105.0	10.99	31.63	2,071.5	185.8	211.1	275.8	0.23	0.20	0.58
2,151.0	10.63	30.27	2,116.7	193.2	215.5	284.3	0.96	-0.78	-2.96
2,196.0	9.80	27.72	2,161.0	200.2	219.4	292.2	2.10	-1.84	-5.67
2,241.0	9.71	26.53	2,205.3	207.0	222.9	299.7	0.49	-0.20	-2.64
2,287.0	9.36	27.72	2,250.7	213.8	226.3	307.2	0.87	-0.76	2.59
2,332.0	9.27	31.89	2,295.1	220.1	229.9	314.4	1.51	-0.20	9.27
2,377.0	8.75	32.46	2,339.6	226.1	233.7	321.5	1.17	-1.16	1.27
2,423.0	7.82	30.53	2,385.1	231.7	237.2	328.1	2.11	-2.02	-4.20
2,468.0	7.65	30.27	2,429.7	236.9	240.2	334.1	0.39	-0.38	-0.58
2,513.0	7.03	31.23	2,474.3	241.9	243.2	339.8	1.40	-1.38	2.13
2,559.0	6.77	30.79	2,520.0	246.6	246.0	345.3	0.58	-0.57	-0.96
2,604.0	6.24	29.78	2,564.7	251.0	248.6	350.3	1.20	-1.18	-2.24
2,649.0	5.51	27.10	2,609.4	255.1	250.8	354.9	1.73	-1.62	-5.96
2,695.0	4.83	34.97	2,655.3	258.6	252.9	359.0	2.13	-1.48	17.11
2,740.0	5.41	49.77	2,700.1	261.5	255.6	363.0	3.19	1.29	32.89
2,785.0	6.02	43.49	2,744.9	264.6	258.9	367.4	1.94	1.36	-13.96
2,831.0	6.77	44.59	2,790.6	268.3	262.4	372.5	1.65	1.63	2.39
2,876.0	7.10	43.30	2,835.2	272.2	266.2	377.9	0.81	0.73	-2.87
2,921.0	7.80	41.70	2,879.9	276.5	270.1	383.7	1.62	1.56	-3.56
2,967.0	9.00	39.30	2,925.4	281.6	274.5	390.4	2.72	2.61	-5.22
3,012.0	10.10	36.50	2,969.7	287.5	279.1	397.8	2.65	2.44	-6.22
3,057.0	10.50	33.70	3,014.0	294.1	283.7	405.9	1.42	0.89	-6.22
3,103.0	10.70	32.00	3,059.2	301.2	288.3	414.3	0.81	0.43	-3.70

Payzone Directional
Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well R-2-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Site:	SECTION 2 T9, R15	MD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Well:	R-2-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

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)
3,148.0	11.50	31.50	3,103.4	308.6	292.8	422.9	1.79	1.78	-1.11
3,194.0	12.50	31.90	3,148.4	316.7	297.9	432.5	2.18	2.17	0.87
3,239.0	12.50	33.20	3,192.3	324.9	303.1	442.2	0.63	0.00	2.89
3,284.0	13.10	35.00	3,236.2	333.2	308.7	452.1	1.60	1.33	4.00
3,330.0	14.00	36.40	3,280.9	341.9	315.0	462.9	2.08	1.96	3.04
3,375.0	15.10	36.30	3,324.5	351.0	321.7	474.2	2.45	2.44	-0.22
3,420.0	16.10	36.00	3,367.8	360.8	328.8	486.3	2.23	2.22	-0.67
3,466.0	16.60	36.10	3,412.0	371.3	336.4	499.2	1.09	1.09	0.22
3,511.0	17.00	35.20	3,455.0	381.9	344.0	512.2	1.06	0.89	-2.00
3,556.0	16.80	34.60	3,498.1	392.6	351.5	525.3	0.59	-0.44	-1.33
3,601.0	16.70	33.50	3,541.2	403.3	358.8	538.3	0.74	-0.22	-2.44
3,647.0	16.00	32.90	3,585.3	414.2	365.9	551.2	1.57	-1.52	-1.30
3,692.0	15.80	32.00	3,628.6	424.6	372.5	563.5	0.71	-0.44	-2.00
3,737.0	15.40	31.20	3,671.9	434.9	378.8	575.5	1.01	-0.89	-1.78
3,783.0	15.00	30.00	3,716.3	445.3	384.9	587.5	1.11	-0.87	-2.61
3,828.0	14.10	29.00	3,759.9	455.1	390.5	598.7	2.08	-2.00	-2.22
3,873.0	14.10	28.20	3,803.5	464.7	395.8	609.5	0.43	0.00	-1.78
3,919.0	13.70	27.90	3,848.2	474.5	401.0	620.4	0.88	-0.87	-0.65
3,964.0	13.30	27.20	3,891.9	483.8	405.8	630.8	0.96	-0.89	-1.56
4,009.0	13.10	26.40	3,935.8	493.0	410.5	640.9	0.60	-0.44	-1.78
4,055.0	12.50	25.80	3,980.6	502.1	414.9	650.9	1.34	-1.30	-1.30
4,100.0	12.13	26.49	4,024.6	510.7	419.2	660.3	0.88	-0.82	1.53
4,145.0	11.16	26.31	4,068.6	518.9	423.2	669.2	2.16	-2.16	-0.40
4,191.0	10.77	25.87	4,113.8	526.7	427.1	677.8	0.87	-0.85	-0.96
4,236.0	10.28	24.33	4,158.0	534.2	430.5	685.8	1.26	-1.09	-3.42
4,281.0	9.58	23.85	4,202.4	541.2	433.7	693.4	1.57	-1.56	-1.07
4,327.0	9.32	25.65	4,247.8	548.1	436.9	700.7	0.86	-0.57	3.91
4,372.0	8.48	25.87	4,292.2	554.4	439.9	707.6	1.87	-1.87	0.49
4,417.0	7.87	24.33	4,336.8	560.2	442.6	713.8	1.44	-1.36	-3.42
4,463.0	7.21	21.87	4,382.4	565.7	445.0	719.7	1.60	-1.43	-5.35
4,508.0	7.00	26.48	4,427.0	570.8	447.3	725.1	1.35	-0.47	10.24
4,553.0	6.55	31.89	4,471.7	575.4	449.8	730.3	1.73	-1.00	12.02
4,599.0	6.23	31.97	4,517.4	579.8	452.5	735.4	0.70	-0.70	0.17
4,644.0	5.89	31.19	4,562.2	583.8	455.0	740.2	0.78	-0.76	-1.73
4,689.0	5.36	31.01	4,606.9	587.6	457.3	744.5	1.18	-1.18	-0.40
4,734.0	5.05	29.83	4,651.8	591.1	459.4	748.6	0.73	-0.69	-2.62
4,780.0	4.62	27.63	4,697.6	594.5	461.2	752.4	1.02	-0.93	-4.78
4,825.0	4.09	34.49	4,742.5	597.4	463.0	755.8	1.65	-1.18	15.24
4,871.0	4.17	38.84	4,788.3	600.1	465.0	759.1	0.70	0.17	9.46
4,916.0	4.20	40.20	4,833.2	602.6	467.1	762.4	0.23	0.07	3.02
4,961.0	3.70	41.30	4,878.1	605.0	469.1	765.5	1.12	-1.11	2.44
5,007.0	3.40	41.80	4,924.0	607.1	471.0	768.3	0.66	-0.65	1.09
5,052.0	4.30	40.50	4,968.9	609.4	473.0	771.4	2.01	2.00	-2.89
5,097.0	5.30	42.90	5,013.8	612.2	475.5	775.1	2.27	2.22	5.33
5,143.0	5.60	44.50	5,059.6	615.3	478.5	779.5	0.73	0.65	3.48
5,188.0	6.40	47.40	5,104.3	618.6	481.9	784.1	1.90	1.78	6.44
5,233.0	6.90	48.40	5,149.0	622.1	485.7	789.2	1.14	1.11	2.22
5,279.0	7.50	42.80	5,194.6	626.1	489.9	794.9	2.01	1.30	-12.17
5,286.4	7.60	42.68	5,202.0	626.9	490.5	795.9	1.35	1.33	-1.66
R-2-9-15 TGT									
5,324.0	8.10	42.10	5,239.2	630.6	494.0	801.0	1.35	1.33	-1.54
5,369.0	9.00	41.50	5,283.7	635.6	498.4	807.7	2.01	2.00	-1.33
5,415.0	9.20	42.50	5,329.2	641.0	503.3	814.9	0.55	0.43	2.17
5,460.0	9.60	42.60	5,373.5	646.4	508.3	822.2	0.89	0.89	0.22



Payzone Directional Survey Report



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Project:	USGS Myton SW (UT)	TVD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Site:	SECTION 2 T9, R15	MD Reference:	R-2-9-15 @ 6065.0ft (Capstar 329)
Well:	R-2-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

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)
5,505.0	10.60	42.30	5,417.8	652.3	513.6	830.1	2.23	2.22	-0.67
5,551.0	11.90	40.50	5,463.0	659.0	519.5	839.1	2.93	2.83	-3.91
5,596.0	11.80	34.30	5,507.0	666.3	525.1	848.3	2.84	-0.22	-13.78
5,641.0	11.30	30.60	5,551.1	673.9	530.0	857.3	1.99	-1.11	-8.22
5,687.0	11.30	30.10	5,596.2	681.7	534.5	866.2	0.21	0.00	-1.09
5,732.0	11.30	33.10	5,640.3	689.2	539.1	875.0	1.31	0.00	6.67
5,777.0	10.10	30.80	5,684.5	696.3	543.6	883.3	2.83	-2.67	-5.11
5,823.0	10.00	32.00	5,729.8	703.2	547.7	891.3	0.50	-0.22	2.61
5,868.0	10.20	38.40	5,774.1	709.6	552.3	899.1	2.53	0.44	14.22
5,914.0	10.40	41.70	5,819.4	715.9	557.6	907.4	1.35	0.43	7.17
5,959.0	10.70	43.50	5,863.6	721.9	563.2	915.6	0.99	0.67	4.00
6,004.0	10.60	46.40	5,907.9	727.8	569.0	923.8	1.21	-0.22	6.44
6,050.0	10.20	47.00	5,953.1	733.5	575.1	932.0	0.90	-0.87	1.30
6,095.0	10.60	43.40	5,997.4	739.3	580.8	940.0	1.70	0.89	-8.00
6,140.0	10.90	43.00	6,041.6	745.4	586.6	948.4	0.69	0.67	-0.89
6,186.0	10.80	42.10	6,086.8	751.7	592.4	957.0	0.43	-0.22	-1.96
6,231.0	9.60	40.90	6,131.1	757.7	597.7	965.0	2.71	-2.67	-2.67
6,276.0	9.10	41.00	6,175.5	763.2	602.5	972.3	1.11	-1.11	0.22
6,322.0	8.70	39.60	6,220.9	768.7	607.1	979.4	0.99	-0.87	-3.04
6,343.0	8.20	40.90	6,241.7	771.0	609.1	982.4	2.55	-2.38	6.19
6,403.0	8.20	40.90	6,301.1	777.5	614.7	991.0	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

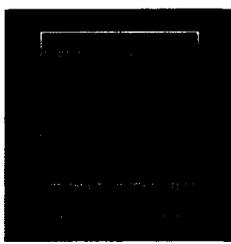
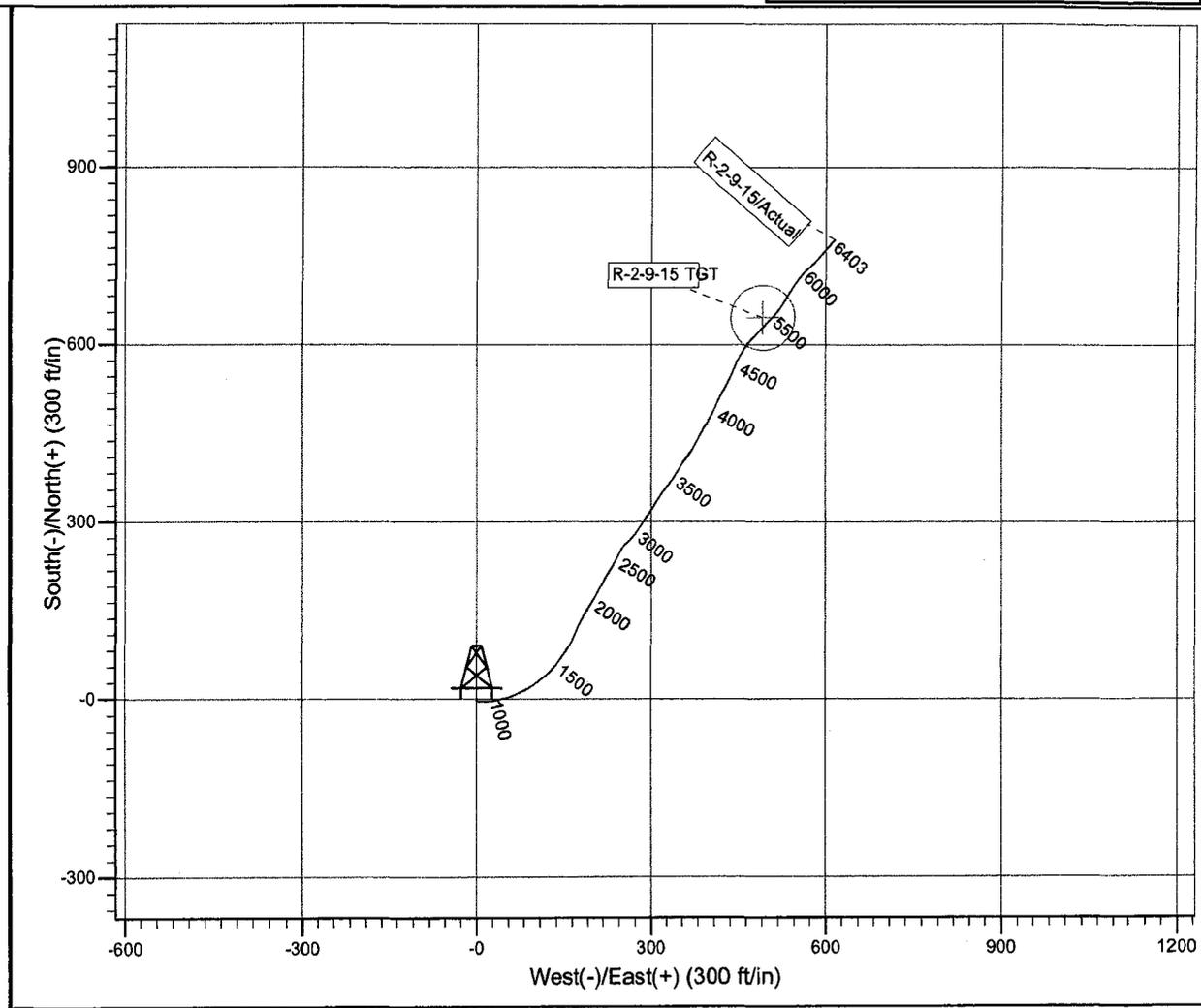
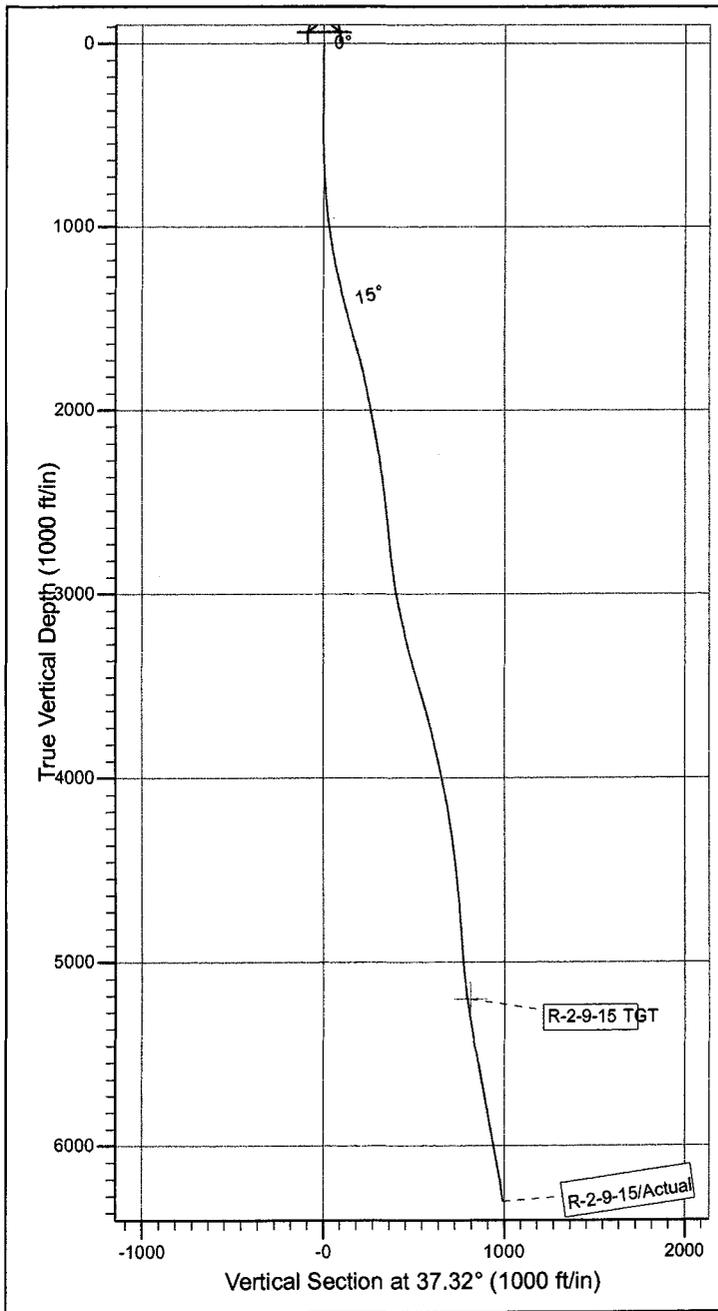
NEWFIELD



Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: R-2-9-15
 Wellbore: Wellbore #1
 Design: Actual

Azimuths to True North
 Magnetic North: 11.37°

Magnetic Field
 Strength: 52248.3snT
 Dip Angle: 65.77°
 Date: 6/26/2011
 Model: IGRF2010



Design: Actual (R-2-9-15/Wellbore #1)

Created By: Sarah Webb Date: 9:45, December 31 2011

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

Daily Activity Report**Format For Sundry****GMBU R-2-9-15****10/1/2011 To 2/29/2012****GMBU R-2-9-15****Waiting on Cement****Date:** 12/13/2011

Ross #29 at 344. Days Since Spud - yield. Returned 5bbls to pit, bump plug to 400psi, BLM and State were notified of spud via email. - On 12/8/11 Ross #29 spud and drilled 340' of 1 1/4" hole, P/U and run 8 jts of 8 5/8" casing set - 343.52'KB. On 12/13/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0**Cumulative Cost:** \$57,797**GMBU R-2-9-15****Waiting on Cement****Date:** 12/27/2011

Capstar #329 at 344. 0 Days Since Spud - Tear down and get ready for field move.

Daily Cost: \$0**Cumulative Cost:** \$58,197**GMBU R-2-9-15****Drill 7 7/8" hole with fresh water****Date:** 12/28/2011

Capstar #329 at 1040. 1 Days Since Spud - 24 hr notice sent to State via email on 12/26/2011 of rig move on 12/27/2011 at 7:00 and BOP test on - Nipple up BOP - the surface casing to 1500 psi for 30 min. All tests good. Accept rig at 1700 hrs - Pick up BHA as follows: Security FX65M PDC bit, Mud motor 3.8 stage .33 rev, Monel collar 34.42, - doubl gap sub 3.41', in dex sub 1.68 Monel 31.6' and 26 4.5 HWD 793.67'. Tag cmt at 296' - Drill 7 7/8" hole from 296' to 1040' with 15,000lbs WOB, 160 total RPM, 400 GPM, 106.3 fph avg ROP. - 12/27/2011 at 4:00 PM - and choke man. 2000 psi for 10 min. The the annular preventor to 2000 psi for ten min. Then - Test upper kelly, saftety valve, pipe rams, inside valve, upright valve, blind rams, outside valve - Finish rigging up flow line and buster. - On 12/27/2011 MIRU set equipment w/mones trucking. (1.25 mile from the L-2-9-15)

Daily Cost: \$0**Cumulative Cost:** \$118,861**GMBU R-2-9-15****Drill 7 7/8" hole with fresh water****Date:** 12/29/2011

Capstar #329 at 4185. 2 Days Since Spud - Drill 7 7/8" hole from 1040' to 2981' with 15,000lbs WOB, 160 total RPM, 400 GPM, 168.8 fph avg ROP. - Drill 7 7/8" hole from 2981' to 4185' with 15,000lbs WOB, 160 total RPM, 400 GPM, 100.3 fph avg ROP. - Rig service. Function test BOP and crown-o-matic

Daily Cost: \$0**Cumulative Cost:** \$154,755**GMBU R-2-9-15****Drill 7 7/8" hole with fresh water****Date:** 12/30/2011

Capstar #329 at 5520. 3 Days Since Spud - Drill 7 7/8" Hole From 5021' To 5520', WOB 20,000 lbs, TRPM 160, GPM 400, AVG ROP 41.5 fph - Drill 7 7/8" Hole From 4251' To 5021', WOB 20,000 lbs, TRPM 160, GPM 400, AVG ROP 66.9 fph - Rig Service, Function Test Bop's & Crown-A-Matic

Daily Cost: \$0

Cumulative Cost: \$185,715

GMBU R-2-9-15**TIH****Date:** 12/31/2011

Capstar #329 at 6403. 4 Days Since Spud - Cont. TOH to 900', check for flow - 5 gpm - Spot 115 bbl of 10# brine, check for flow - no flow - TOH to 4,000' - Pump 2x 60 bbl high vis sweeps and circulate hole clean, check for flow - 5 gpm - Drill/slide 7 7/8" hole f/6,200' - TD @ 6,403' - Rig service - Drill/slide 7 7/8" hole f/5,520' - 6,200' - TIH to 4,500'

Daily Cost: \$0**Cumulative Cost:** \$211,993

GMBU R-2-9-15**Running casing****Date:** 1/1/2012

Capstar #329 at 6403. 5 Days Since Spud - Cameron mandrel & landing jt, land casing (153 jts + mandrel). Transfer 6 jts + 3 land jts + 1 - Run 153 jts 5.5" J-55 15.5# csg set @ 6,394.07'. Picked up 43.01' tag joint, laid down. P/U - PJSM, R/U, and run wireline logs - L/D directional tools - TOH for wireline logs - Wait on brine, displace hole with 10# brine - 21.73' 5.5" P-110 20# to Runners. - Cond and circ mud to kill water flow - TIH to 4,500' - TIH from 4,500' - 6,403'

Daily Cost: \$0**Cumulative Cost:** \$320,202

GMBU R-2-9-15**Wait on Completion****Date:** 1/2/2012

Capstar #329 at 6403. 6 Days Since Spud - tail, 50 bbl back to surface - Circulate casing while PJSM and R/U Baker Hughes cement. Pumped 373 sks 12# lead, 450 sks 14.4# - Nipple down and clean tanks - Rig released @ 15:00 on 1/1/2012 **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$372,847

Pertinent Files: Go to File List