

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL

2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				1. WELL NAME and NUMBER Greater Monument Butte C-1-9-16		
4. TYPE OF WELL Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				3. FIELD OR WILDCAT MONUMENT BUTTE		
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY				5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)		
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052				7. OPERATOR PHONE 435 646-4825		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22061		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	758 FSL 2329 FWL	SESW	36	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	237 FSL 2560 FWL	SESW	36	8.0 S	16.0 E	S
At Total Depth	10 FNL 2630 FEL	NWNE	1	9.0 S	16.0 E	S
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 10		23. NUMBER OF ACRES IN DRILLING UNIT 20		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1200		26. PROPOSED DEPTH MD: 6318 TVD: 6318		
27. ELEVATION - GROUND LEVEL 5371		28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-7478		

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 01/06/2010	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013502100000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6318		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6318	15.5			

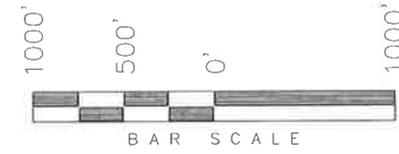
Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	300		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	300	24.0			

R16 E, S. L. B. & M.

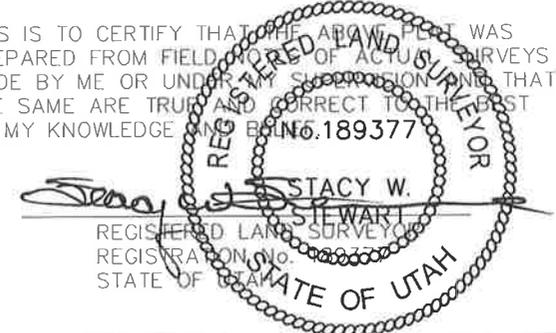
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, C-1-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

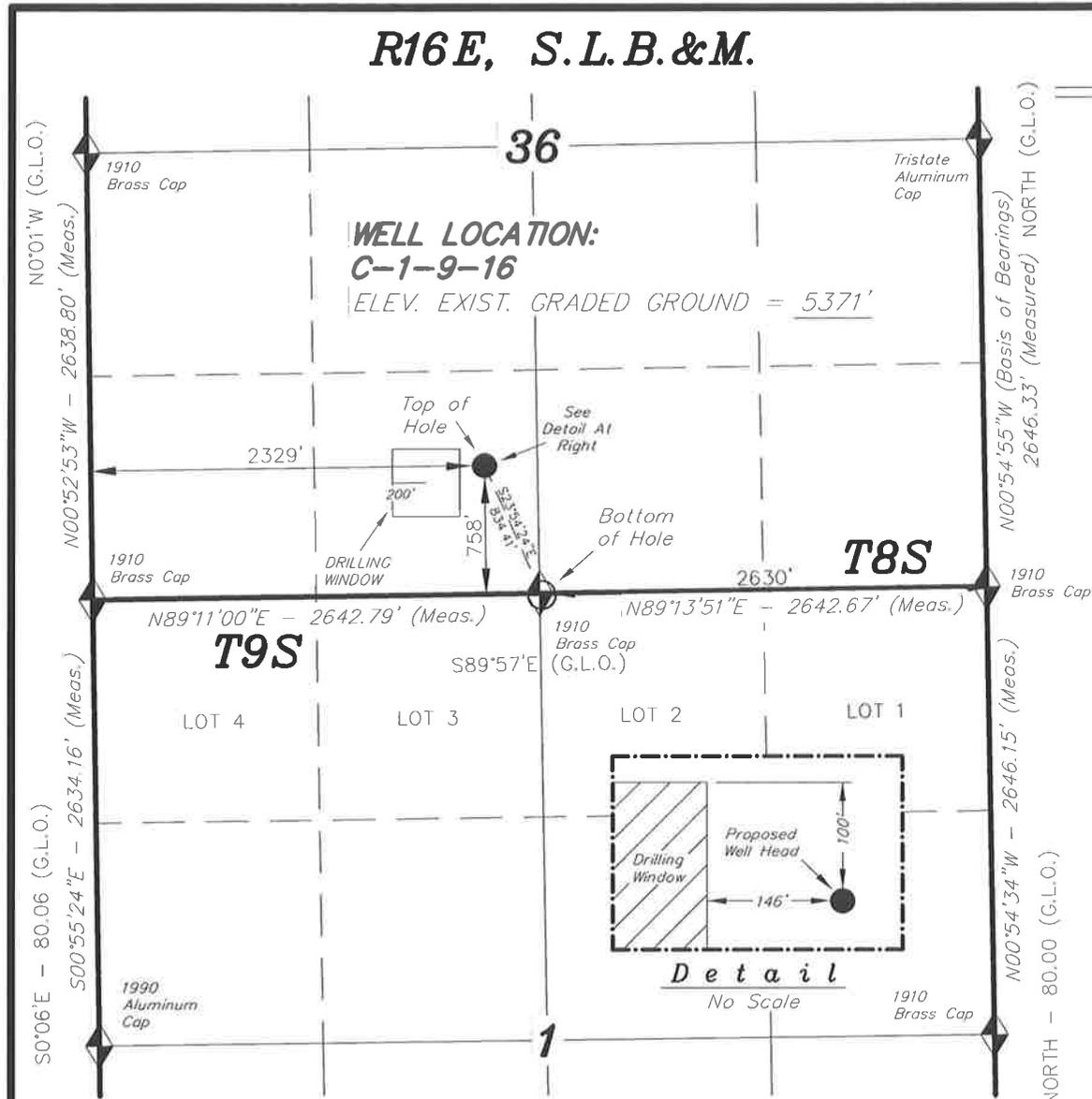


Note:
1. The bottom of hole footages are 10' FNL & 2630' FEL of Sec. 1, T9S, R16E.

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. 189377



TRI STATE LAND SURVEYING & CONSULTING 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-28-09	SURVEYED BY: T.P.
DATE DRAWN: 09-01-09	DRAWN BY: F.T.M.
REVISED: 12-22-09 - M.W.	SCALE: 1" = 1000'



C-1-9-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 09.14"
LONGITUDE = 110° 04' 08.04"

◆ = SECTION CORNERS LOCATED

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



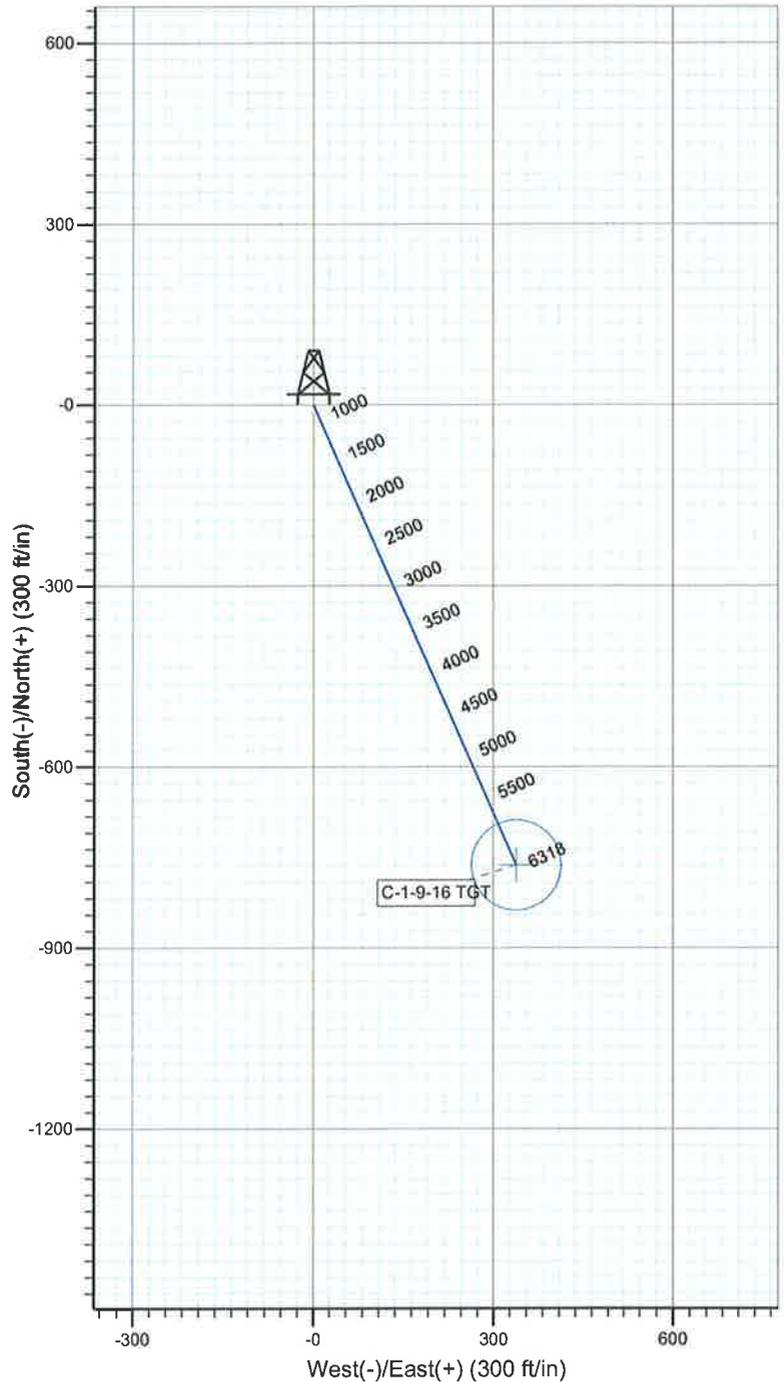
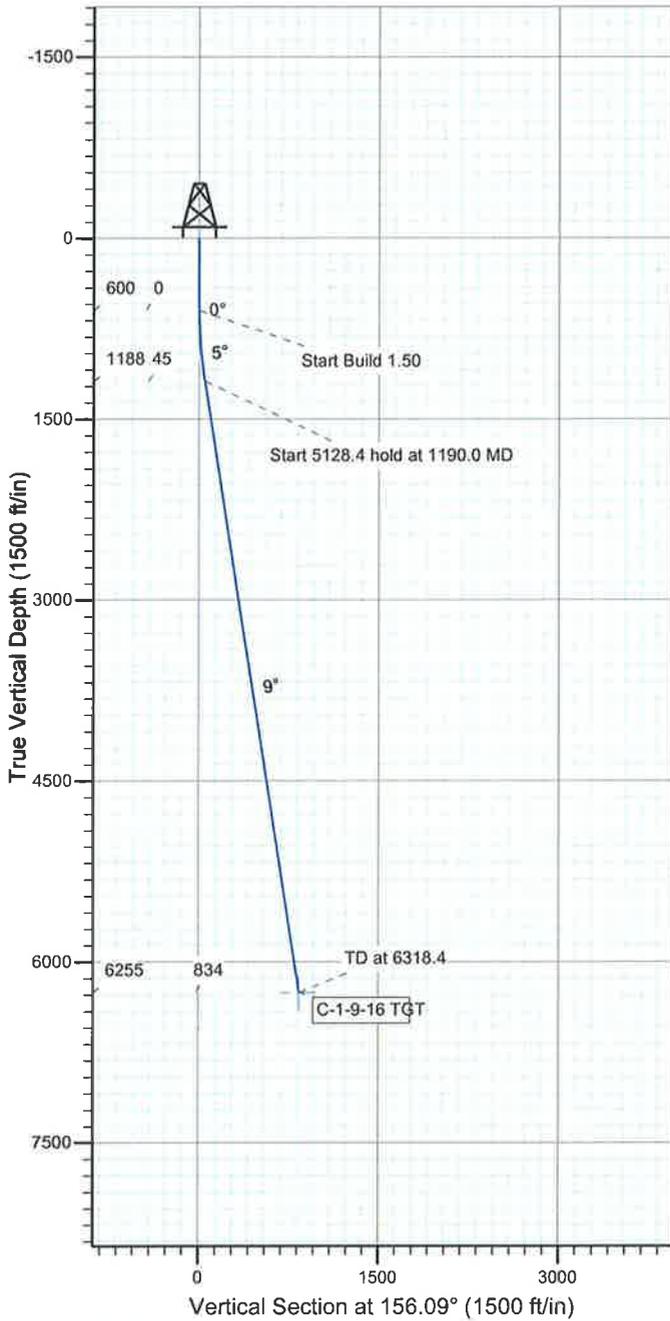
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: C-1-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.52°

Magnetic Field
 Strength: 52483.8snT
 Dip Angle: 65.87°
 Date: 2009/09/27
 Model: IGRF200510

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-1-9-16 TGT	6255.0	-762.8	338.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1190.0	8.85	156.09	1187.6	-41.6	18.4	1.50	156.09	45.5	
4	6318.4	8.85	156.09	6255.0	-762.8	338.2	0.00	0.00	834.4	C-1-9-16 TGT



NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R16E
C-1-9-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

22 November, 2009

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES



HATHAWAY BURNHAM

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well C-1-9-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	MD Reference:	C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
Site:	SECTION 36 T8S, R16E	North Reference:	True
Well:	C-1-9-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 36 T8S, R16E, SEC 26 T8S, R16E		
Site Position:		Northing:	7,202,697.00ft
From:	Lat/Long	Easting:	2,045,250.00ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 5' 3.401 N
		Longitude:	110° 3' 10.915 W
		Grid Convergence:	0.93 °

Well	C-1-9-16, SHL LAT: 40 04 09.14, LONG: -110 04 08.04		
Well Position	+N/-S	-5,491.2 ft	Northing: 7,197,135.95 ft
	+E/-W	-4,440.2 ft	Easting: 2,040,898.62 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,383.0 ft
		Ground Level:	5,371.0 ft
		Latitude:	40° 4' 9.140 N
		Longitude:	110° 4' 8.040 W

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/09/27	11.52	65.87	52,484

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 (°)
	6,255.0	0.0	0.0	156.09

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	
1,190.0	8.85	156.09	1,187.6	-41.6	18.4	1.50	1.50	0.00	156.09	
6,318.4	8.85	156.09	6,255.0	-762.8	338.2	0.00	0.00	0.00	0.00	C-1-9-16 TGT



HATHAWAY BURNHAM

Planning Report



Database: EDM 2003.21 Single User Db
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Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: C-1-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well C-1-9-16
TVD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
MD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	156.09	700.0	-1.2	0.5	1.3	1.50	1.50	0.00
800.0	3.00	156.09	799.9	-4.8	2.1	5.2	1.50	1.50	0.00
900.0	4.50	156.09	899.7	-10.8	4.8	11.8	1.50	1.50	0.00
1,000.0	6.00	156.09	999.3	-19.1	8.5	20.9	1.50	1.50	0.00
1,100.0	7.50	156.09	1,098.6	-29.9	13.2	32.7	1.50	1.50	0.00
1,190.0	8.85	156.09	1,187.6	-41.6	18.4	45.5	1.50	1.50	0.00
1,200.0	8.85	156.09	1,197.5	-43.0	19.1	47.0	0.00	0.00	0.00
1,300.0	8.85	156.09	1,296.3	-57.0	25.3	62.4	0.00	0.00	0.00
1,400.0	8.85	156.09	1,395.2	-71.1	31.5	77.8	0.00	0.00	0.00
1,500.0	8.85	156.09	1,494.0	-85.2	37.8	93.2	0.00	0.00	0.00
1,600.0	8.85	156.09	1,592.8	-99.2	44.0	108.5	0.00	0.00	0.00
1,700.0	8.85	156.09	1,691.6	-113.3	50.2	123.9	0.00	0.00	0.00
1,800.0	8.85	156.09	1,790.4	-127.4	56.5	139.3	0.00	0.00	0.00
1,900.0	8.85	156.09	1,889.2	-141.4	62.7	154.7	0.00	0.00	0.00
2,000.0	8.85	156.09	1,988.0	-155.5	68.9	170.1	0.00	0.00	0.00
2,100.0	8.85	156.09	2,086.8	-169.6	75.2	185.5	0.00	0.00	0.00
2,200.0	8.85	156.09	2,185.6	-183.6	81.4	200.9	0.00	0.00	0.00
2,300.0	8.85	156.09	2,284.4	-197.7	87.6	216.2	0.00	0.00	0.00
2,400.0	8.85	156.09	2,383.3	-211.7	93.9	231.6	0.00	0.00	0.00
2,500.0	8.85	156.09	2,482.1	-225.8	100.1	247.0	0.00	0.00	0.00
2,600.0	8.85	156.09	2,580.9	-239.9	106.3	262.4	0.00	0.00	0.00
2,700.0	8.85	156.09	2,679.7	-253.9	112.6	277.8	0.00	0.00	0.00
2,800.0	8.85	156.09	2,778.5	-268.0	118.8	293.2	0.00	0.00	0.00
2,900.0	8.85	156.09	2,877.3	-282.1	125.1	308.5	0.00	0.00	0.00
3,000.0	8.85	156.09	2,976.1	-296.1	131.3	323.9	0.00	0.00	0.00
3,100.0	8.85	156.09	3,074.9	-310.2	137.5	339.3	0.00	0.00	0.00
3,200.0	8.85	156.09	3,173.7	-324.2	143.8	354.7	0.00	0.00	0.00
3,300.0	8.85	156.09	3,272.5	-338.3	150.0	370.1	0.00	0.00	0.00
3,400.0	8.85	156.09	3,371.3	-352.4	156.2	385.5	0.00	0.00	0.00
3,500.0	8.85	156.09	3,470.2	-366.4	162.5	400.8	0.00	0.00	0.00
3,600.0	8.85	156.09	3,569.0	-380.5	168.7	416.2	0.00	0.00	0.00
3,700.0	8.85	156.09	3,667.8	-394.6	174.9	431.6	0.00	0.00	0.00
3,800.0	8.85	156.09	3,766.6	-408.6	181.2	447.0	0.00	0.00	0.00
3,900.0	8.85	156.09	3,865.4	-422.7	187.4	462.4	0.00	0.00	0.00
4,000.0	8.85	156.09	3,964.2	-436.8	193.6	477.8	0.00	0.00	0.00
4,100.0	8.85	156.09	4,063.0	-450.8	199.9	493.1	0.00	0.00	0.00
4,200.0	8.85	156.09	4,161.8	-464.9	206.1	508.5	0.00	0.00	0.00
4,300.0	8.85	156.09	4,260.6	-478.9	212.3	523.9	0.00	0.00	0.00
4,400.0	8.85	156.09	4,359.4	-493.0	218.6	539.3	0.00	0.00	0.00
4,500.0	8.85	156.09	4,458.3	-507.1	224.8	554.7	0.00	0.00	0.00
4,600.0	8.85	156.09	4,557.1	-521.1	231.0	570.1	0.00	0.00	0.00
4,700.0	8.85	156.09	4,655.9	-535.2	237.3	585.4	0.00	0.00	0.00
4,800.0	8.85	156.09	4,754.7	-549.3	243.5	600.8	0.00	0.00	0.00
4,900.0	8.85	156.09	4,853.5	-563.3	249.8	616.2	0.00	0.00	0.00
5,000.0	8.85	156.09	4,952.3	-577.4	256.0	631.6	0.00	0.00	0.00
5,100.0	8.85	156.09	5,051.1	-591.5	262.2	647.0	0.00	0.00	0.00
5,200.0	8.85	156.09	5,149.9	-605.5	268.5	662.4	0.00	0.00	0.00



HATHAWAY BURNHAM

Planning Report



Database: EDM 2003.21 Single User Db
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Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: C-1-9-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well C-1-9-16
TVD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
MD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Buld Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	8.85	156.09	5,248.7	-619.6	274.7	677.7	0.00	0.00	0.00
5,400.0	8.85	156.09	5,347.5	-633.6	280.9	693.1	0.00	0.00	0.00
5,500.0	8.85	156.09	5,446.4	-647.7	287.2	708.5	0.00	0.00	0.00
5,600.0	8.85	156.09	5,545.2	-661.8	293.4	723.9	0.00	0.00	0.00
5,700.0	8.85	156.09	5,644.0	-675.8	299.6	739.3	0.00	0.00	0.00
5,800.0	8.85	156.09	5,742.8	-689.9	305.9	754.7	0.00	0.00	0.00
5,900.0	8.85	156.09	5,841.6	-704.0	312.1	770.0	0.00	0.00	0.00
6,000.0	8.85	156.09	5,940.4	-718.0	318.3	785.4	0.00	0.00	0.00
6,100.0	8.85	156.09	6,039.2	-732.1	324.6	800.8	0.00	0.00	0.00
6,200.0	8.85	156.09	6,138.0	-746.2	330.8	816.2	0.00	0.00	0.00
6,300.0	8.85	156.09	6,236.8	-760.2	337.0	831.6	0.00	0.00	0.00
6,318.4	8.85	156.09	6,255.0	-762.8	338.2	834.4	0.00	0.00	0.00

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE C-1-9-16
AT SURFACE: SE/SW SECTION 36, T8S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0 – 1555'
Green River	1555'
Wasatch	6318'

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

Green River Formation 1555' – 6318' -- Oil

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: Greater Monument Butte C-1-9-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950	1,370	244,000
						17.53	14.35	33.89
Prod casing 5-1/2"	0'	6,318'	15.5	J-55	LTC	4,810	4,040	217,000
						2.39	2.01	2.22

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: Greater Monument Butte C-1-9-16**

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	4,318'	Prem Lite II w/ 10% gel + 3% KCl	298	30%	11.0	3.26
			973			
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.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

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.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

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 ±350 feet will be drilled with an air/mist system. From about 350 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 second quarter of 2010, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

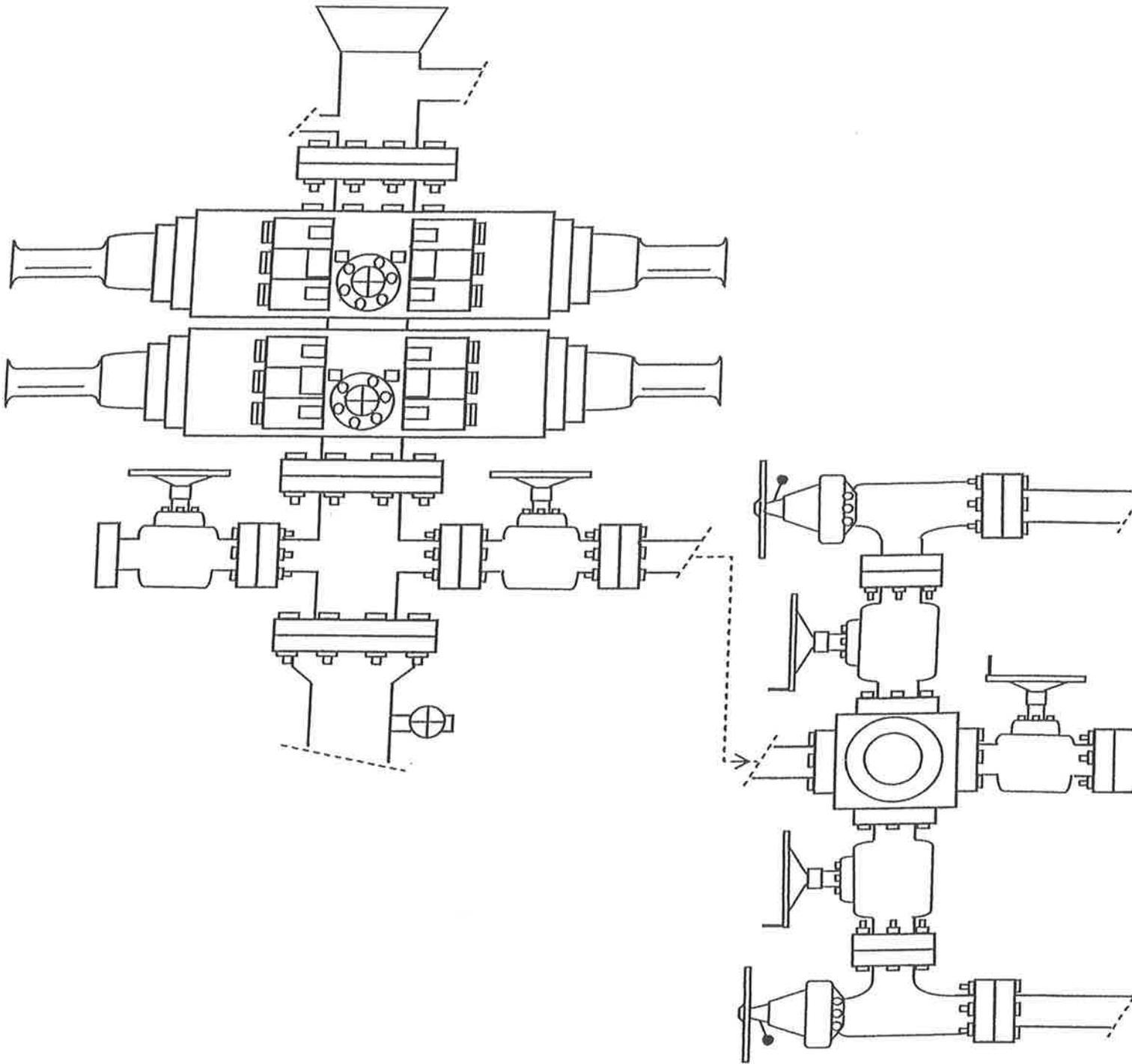
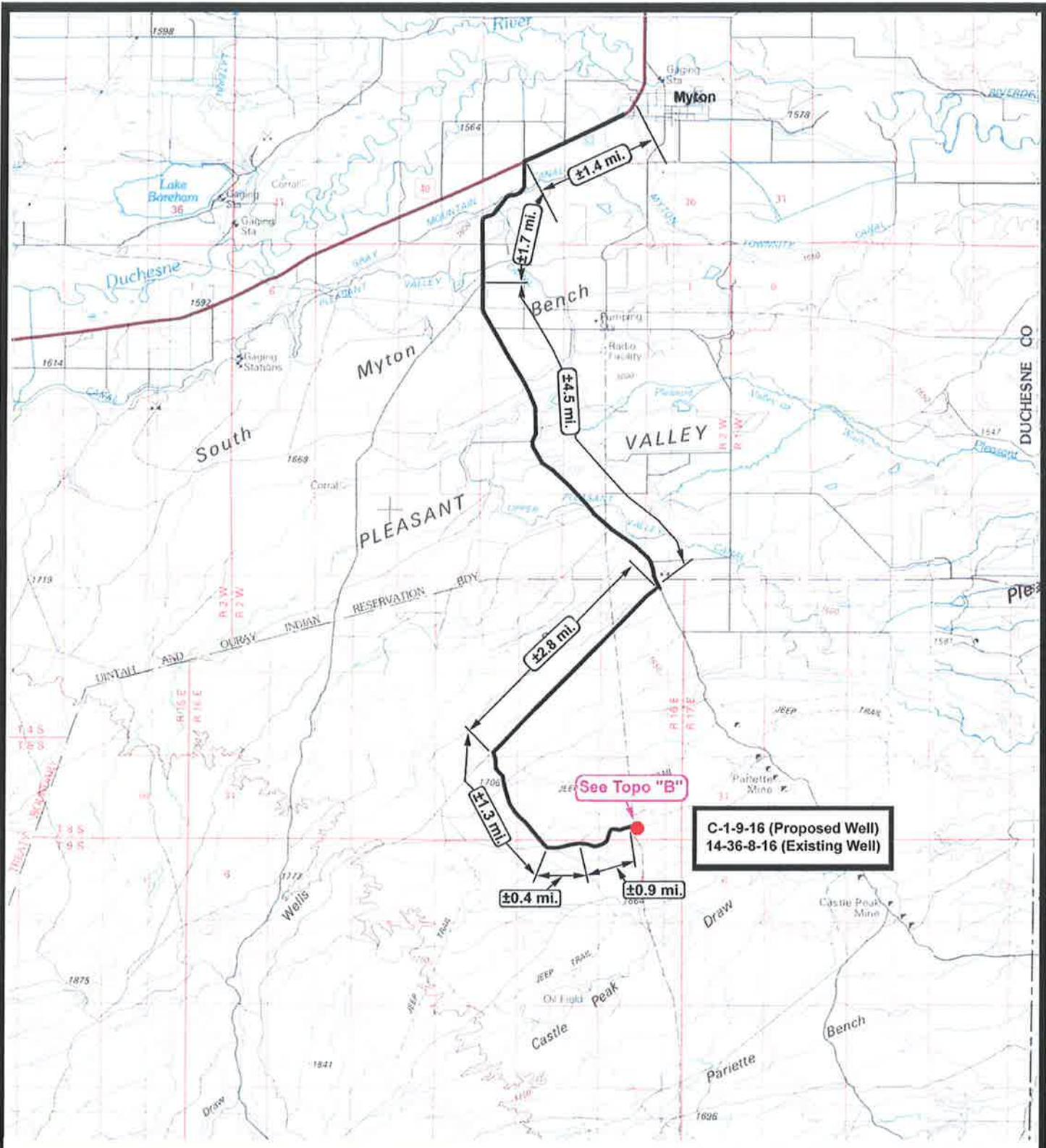


EXHIBIT C



**C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)**

NEWFIELD
Exploration Company

**C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)**
Pad Location: **SESW SEC. 36, T8S, R16E, S.L.B.&M.**



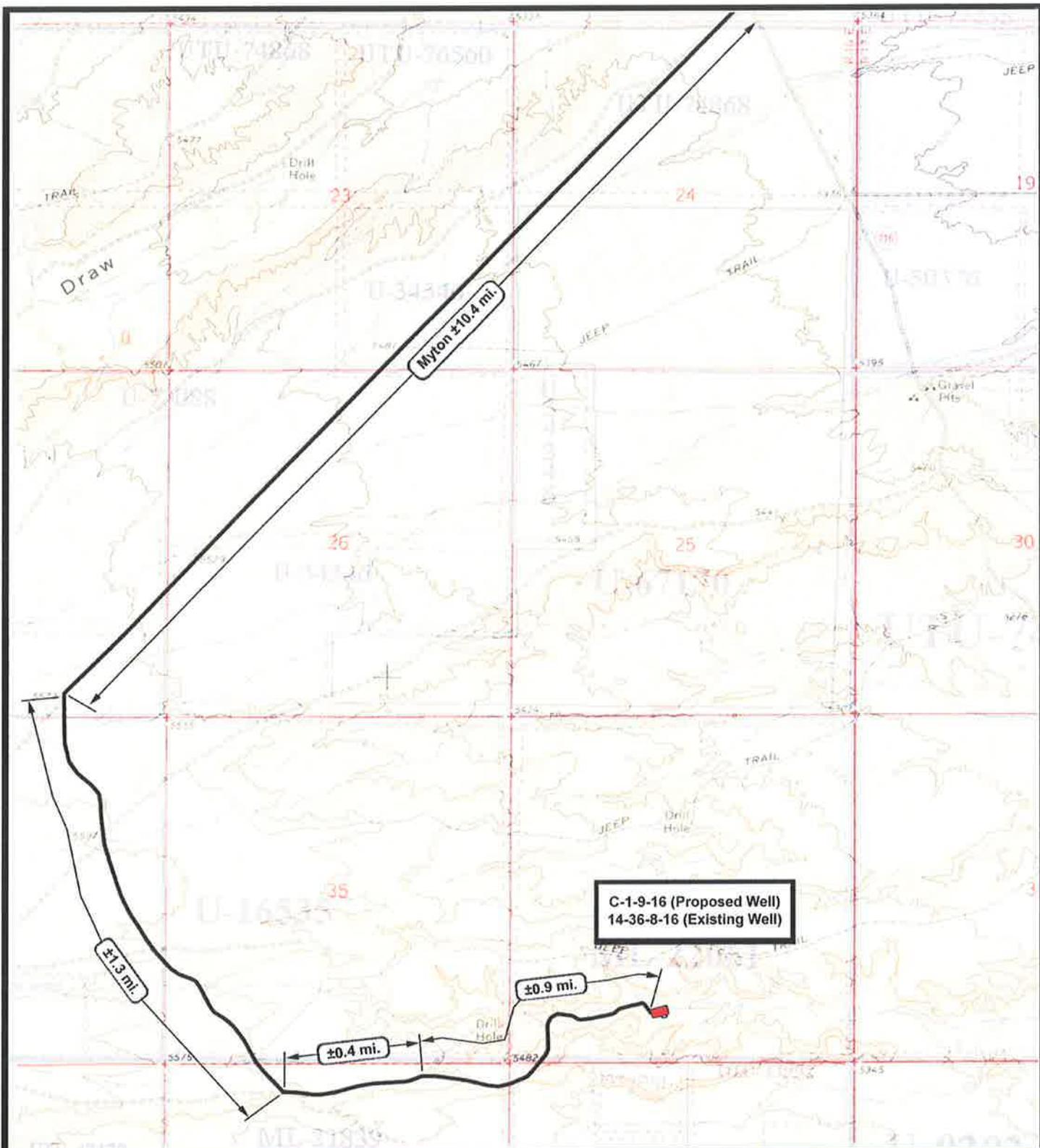
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 12-21-2009

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)
 Pad Location: SESW SEC. 36, T8S, R16E, S.L.B.&M.



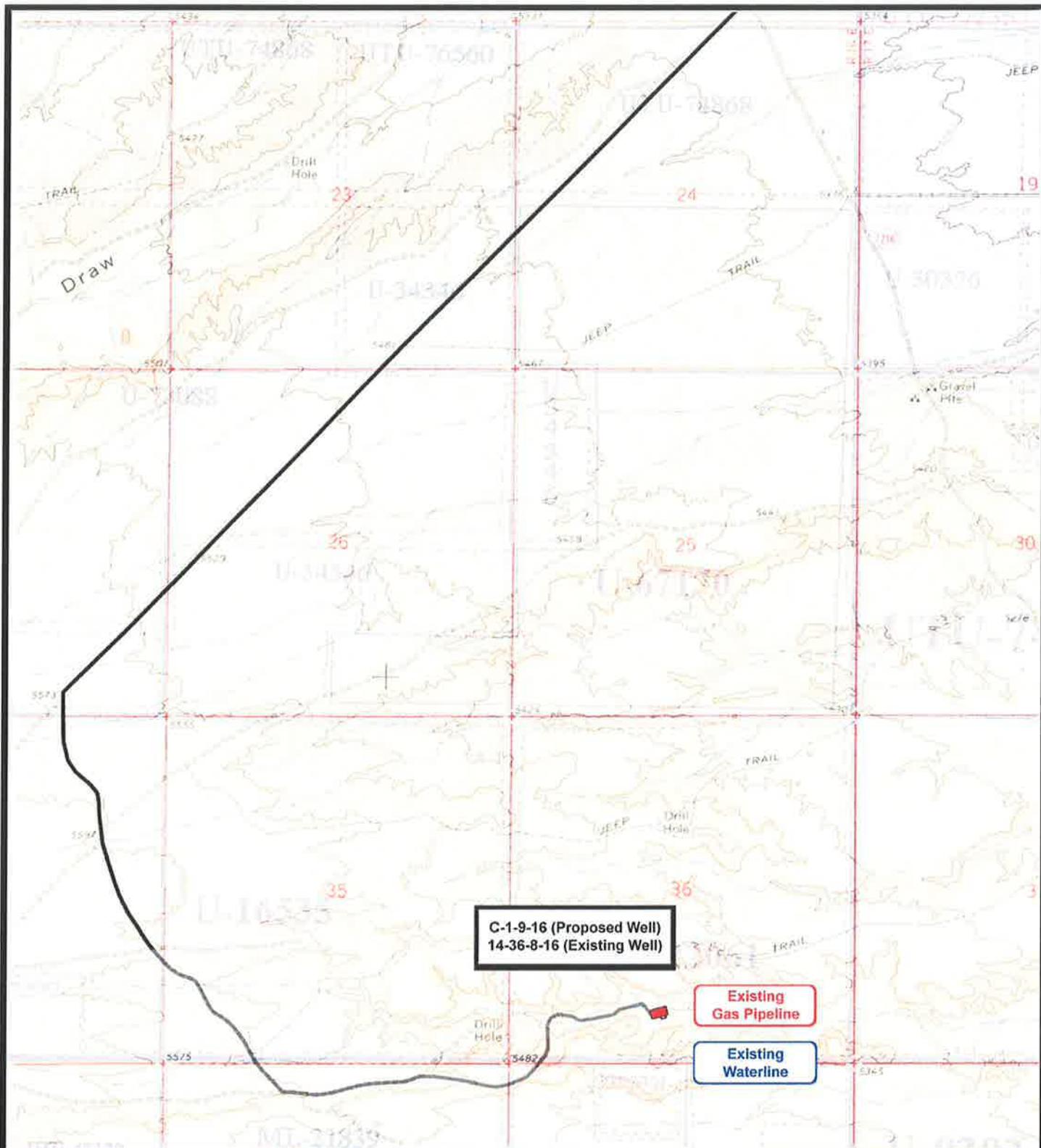
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-21-2009

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)

Existing Gas Pipeline

Existing Waterline

NEWFIELD
 Exploration Company

C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)
 Pad Location: SESW SEC. 36, T8S, R16E, S.L.B.&M.



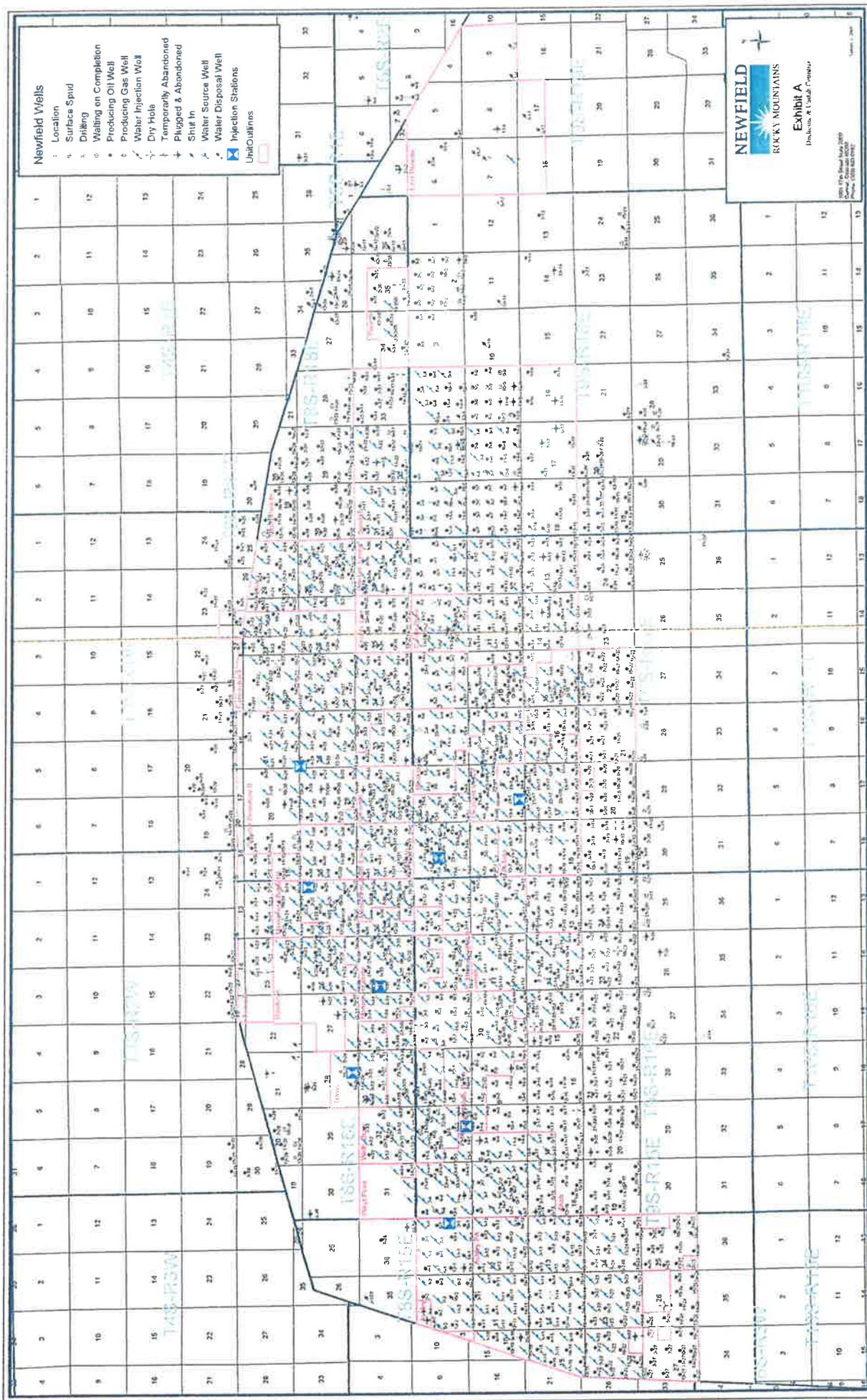
Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

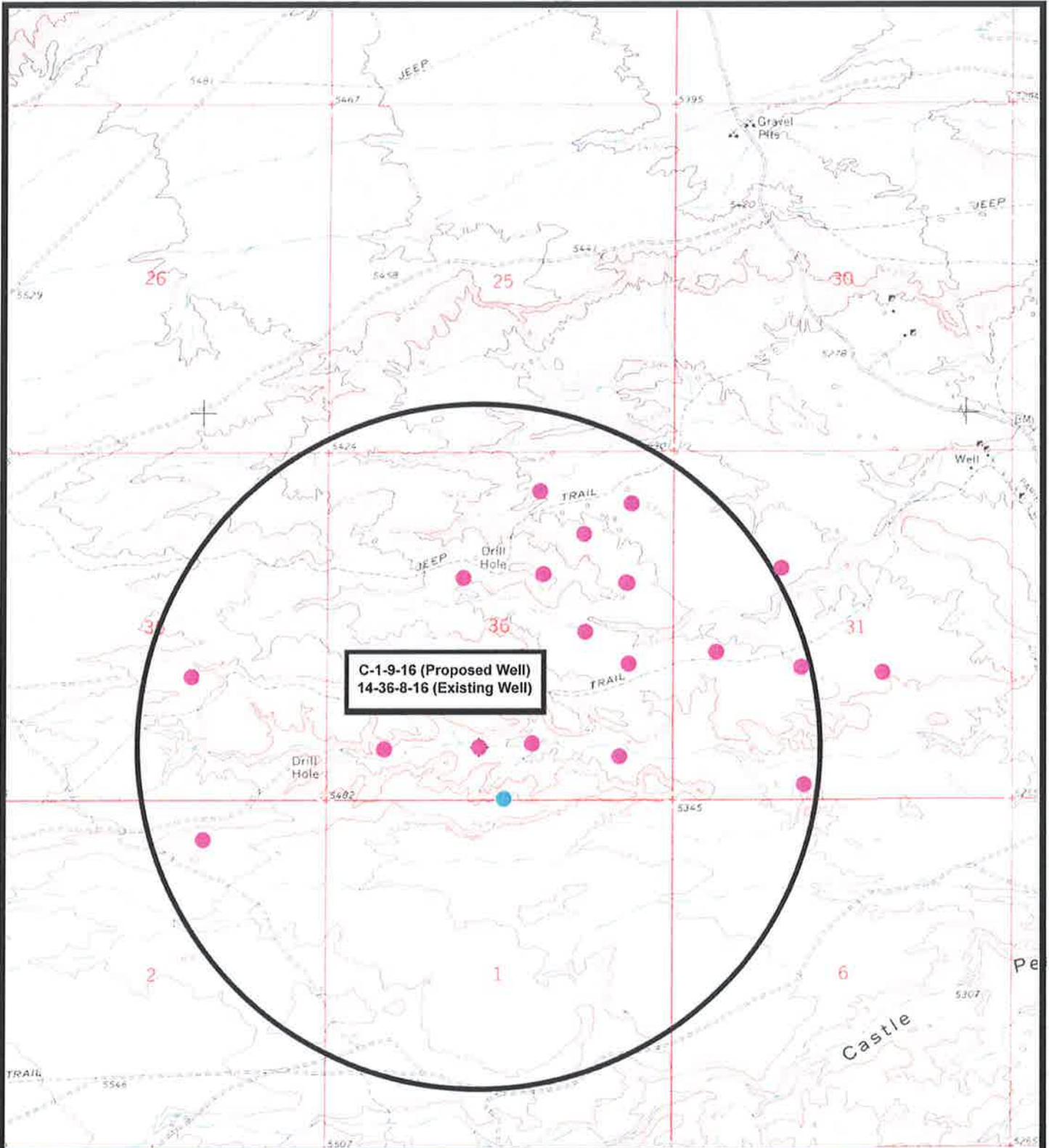
SCALE: 1" = 2,000'
DRAWN BY:
DATE:

Legend

Roads

TOPOGRAPHIC MAP
"C"





**C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)**



NEWFIELD
Exploration Company

**C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)**
Pad Location: SESW SEC. 36, T8S, R16E, S.L.B.&M.




Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-21-2009

Legend

- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit "B"

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE C-1-9-16
AT SURFACE: SE/SW SECTION 36, T8S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Greater Monument Butte C-1-9-16 located in the SE ¼ SW ¼ Section 36, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.4 ± miles to the junction of this highway and Utah State Highway 53; proceed southeasterly approximately 6.2 miles ± to its junction with an existing road to the southwest; proceed southwesterly approximately 2.8 miles ± to its junction with an existing road to the southeast; proceed southeasterly approximately 1.3 miles ± to its junction with an existing road to the east; proceed northeasterly approximately 1.3 miles ± to the beginning of the access road to the existing 14-36-8-16 well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

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.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled off of the existing 14-36-8-16 well pad. See attached **Topographic Map "B"**.

There will be no new gates or cattle guards required.

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the existing 14-36-8-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed C-1-9-16.

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

There are no existing facilities that will be used by this 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 for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Greater Monument Butte C-1-9-16 will be drilled off of the existing 14-36-8-16 well pad. No additional surface disturbance will be 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.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, 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, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

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.

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

a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

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

12. **OTHER ADDITIONAL INFORMATION:**

- 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.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #09-173, 10/26/09. Paleontological Resource Survey prepared by, Wade E. Miller, 10/1/09. See attached report cover pages, Exhibit "D".

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 Greater Monument Butte C-1-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte C-1-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

The State office shall be notified upon site completion prior to moving on the drilling rig.

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 #C-1-9-16, SE/SW Section 36, T8S, R16E, LEASE #ML-22061, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by 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.

1/5/09
Date

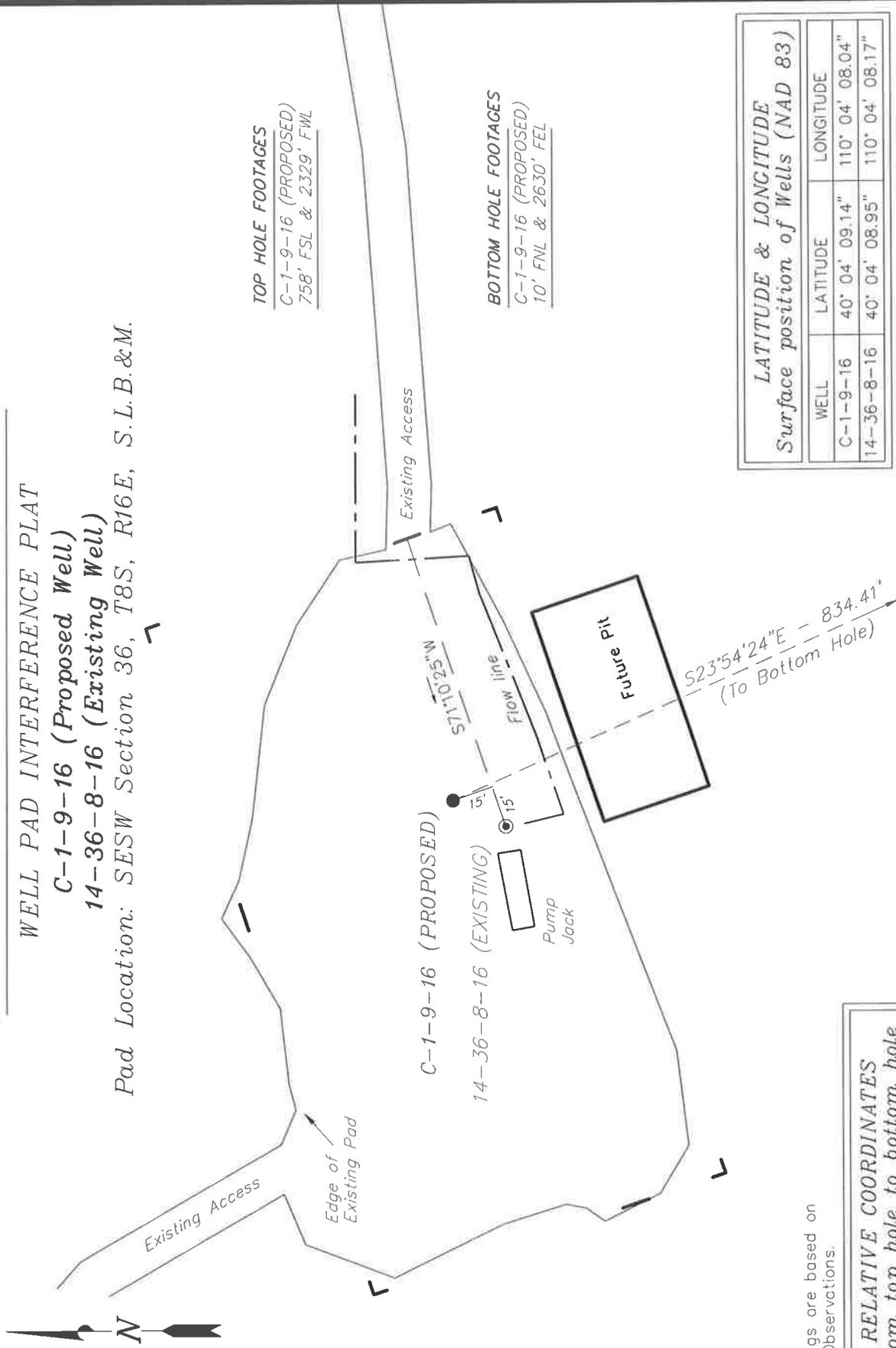

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

C-1-9-16 (Proposed Well)
 14-36-8-16 (Existing Well)

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



TOP HOLE FOOTAGES
 C-1-9-16 (PROPOSED)
 758' FSL & 2329' FWL

BOTTOM HOLE FOOTAGES
 C-1-9-16 (PROPOSED)
 10' FNL & 2630' FEL

LATITUDE & LONGITUDE
 Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
C-1-9-16	40° 04' 09.14"	110° 04' 08.04"
14-36-8-16	40° 04' 08.95"	110° 04' 08.17"

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

SURVEYED BY: T.P.	DATE SURVEYED: 08-28-09
DRAWN BY: F.T.M.	DATE DRAWN: 09-01-09
SCALE: 1" = 50'	REVISED: M.W. - 12-22-09

Note:
 Bearings are based on
 GPS Observations.

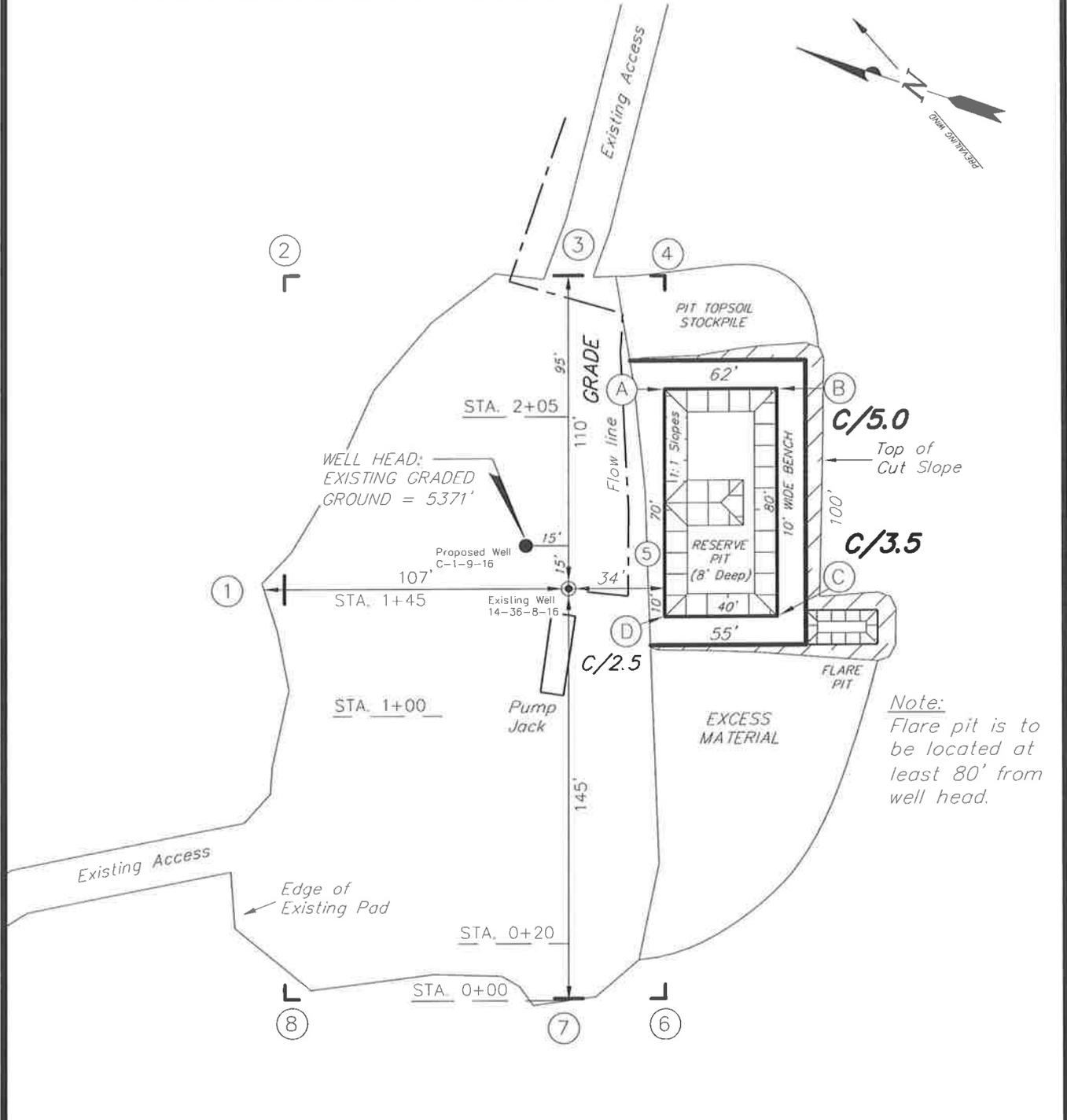
RELATIVE COORDINATES
 From top hole to bottom hole

WELL	NORTH	EAST
C-1-9-16	-763'	338'

NEWFIELD PRODUCTION COMPANY

C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)

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



Note:
Flare pit is to be located at least 80' from well head.

REFERENCE POINTS
150' NORTHWEST = 5365.7'
220' NORTHWEST = 5366.2'

SURVEYED BY: T.P.	DATE SURVEYED: 08-28-09
DRAWN BY: F.T.M.	DATE DRAWN: 09-01-09
SCALE: 1" = 50'	REVISED: M.W. - 12-22-09

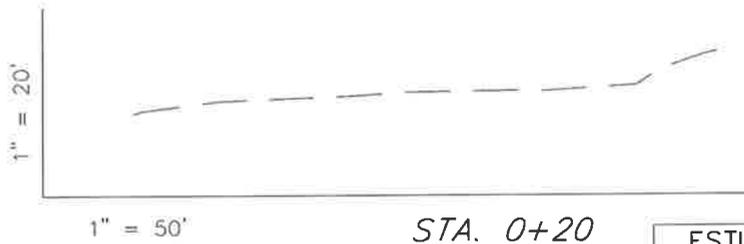
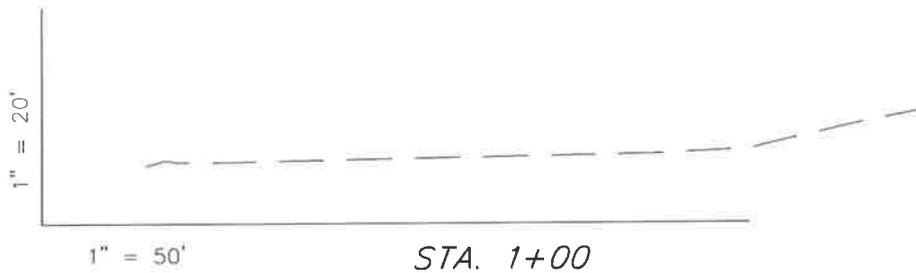
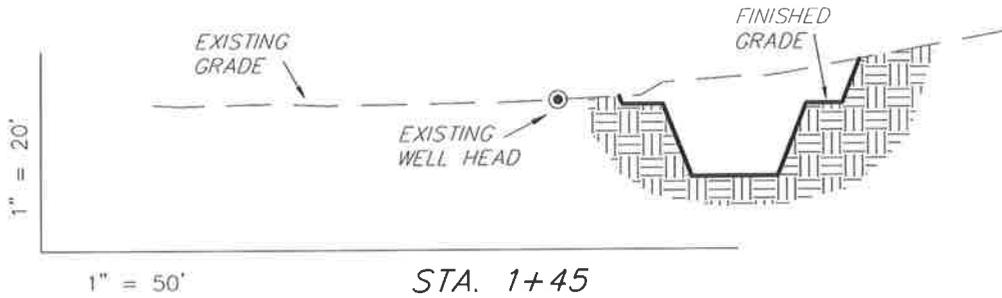
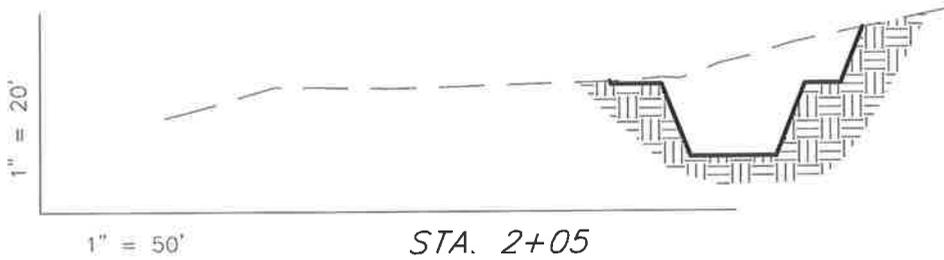
(435) 781-2501

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

C-1-9-16 (Proposed Well)
14-36-8-16 (Existing Well)



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
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	620	0	Topsoil is not included in Pad Cut	620
PIT	640	0		640
TOTALS	1,260	0	150	1,260

SURVEYED BY: T.P.	DATE SURVEYED: 08-28-09
DRAWN BY: F.T.M.	DATE DRAWN: 09-01-09
SCALE: 1" = 50'	REVISED: M.W. - 12-22-09

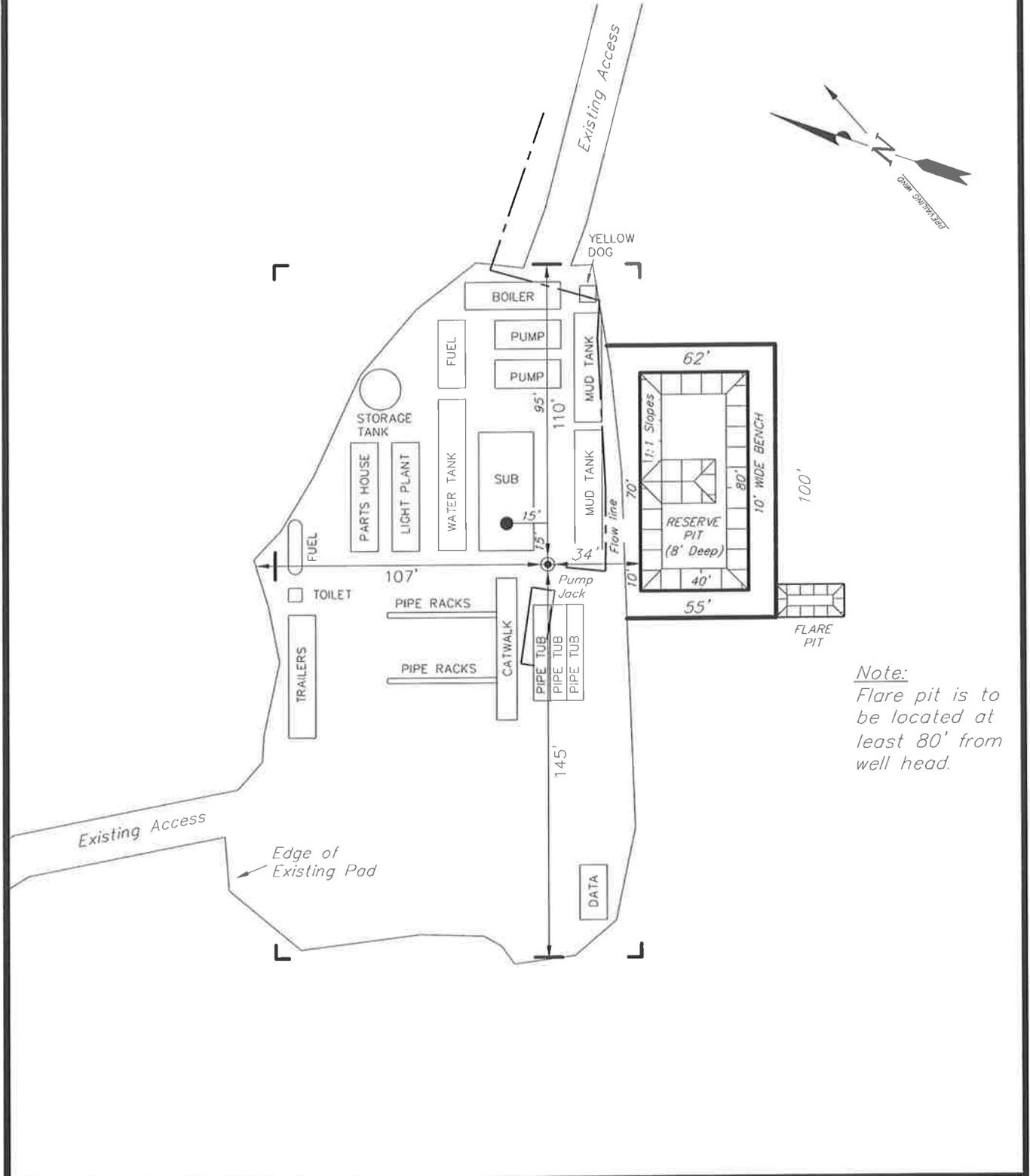
(435) 781-2501
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

C-1-9-16 (Proposed Well)

14-36-8-16 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.P.	DATE SURVEYED: 08-28-09	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 09-01-09		
SCALE: 1" = 50'	REVISED: M.W. - 12-22-09		

Newfield Production Company Proposed Site Facility Diagram

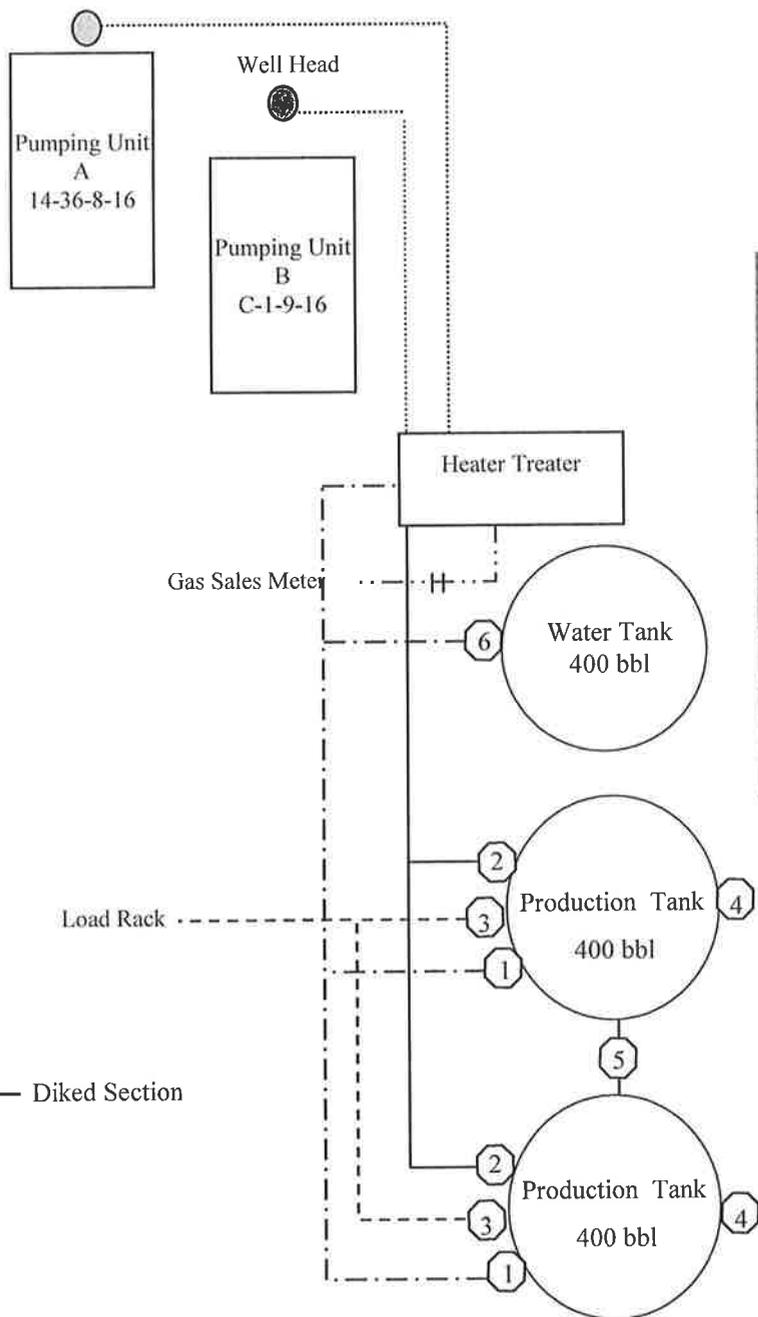
Greater Monument Butte C-1-9-16

From the 14-36-8-16 Location

SE/SW Sec. 36 T8S, R16E

Duchesne County, Utah

ML-22061



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S
15 PROPOSED WELL LOCATIONS IN
TOWNSHIP 8S, RANGE 16E SEC. 25, 26, 27, 34, 35, 36
AND TOWNSHIP 9S, RANGE 16E SEC. 1
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Price Field Office
and
State of Utah
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-173

October 26, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

Public Lands Policy Coordination Office
Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0639b,s

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
AND PROPOSED PIPELINE ROUTES
DUCHESNE & UTAH COUNTIES, UTAH**

Site Surveys of Proposed Wells

NE 1/4, NE 1/4, Sec. 25, (1-25-8-16), SE 1/4, NE 1/4, Sec. 24, (D-25-8-16), SW 1/4, SW 1/4, Sec. 24, (E-25-8-16 & P-24-8-16), SE 1/4, SW 1/4, Sec. 34, (Q-34-8-16), NW 1/4, SE 1/4, Sec. 34, (L-34-8-16 & S-34-8-16), NW 1/4, SW 1/4, Sec. 35, (T-34-8-16), NE 1/4, SW 1/4, Sec. 35, (R-35-8-16), SE 1/4, SE 1/4 Sec. 26, (S-26-8-16), NW 1/4, SW 1/4, Sec. 26, (N-26-8-16), SE 1/4, NE 1/4, Sec. 26, (O-25-8-16), SE 1/4, NE 1/4, Sec. 25, (J-25-8-16), NE 1/4, SE 1/4, Sec. 27 (S-27-8-16), SE 1/4, SW 1/4, Sec. 36, (C-1-9-16), SW 1/4, SE 1/4, Sec. 36, (B-1-9-16 & R-36-8-16), SE 1/4, SE 1/4, Sec. 36, (T-36-8-16, A-1-9-16 & K-36-8-16), SW 1/4, NW 1/4, Sec. 26, (O-26-8-16), SW 1/4, NE 1/4, Sec. 34, (H-34-8-16 & M-34-8-16), SW 1/4, SE 1/4, Sec. 27, (B-34-8-16 & C-34-8-16), T 8 S, R 16 E; NE 1/4, SW 1/4, Sec.1, (M-1-9-16), NW 1/4, SE 1/4, Sec.11, (S-11-9-16), T 9 S, R 16 E.

Proposed Pipeline Surveys

SW 1/4, SW 1/4, Sec. 8, T 9 S, R 17 E (14-8-9-17); NW 1/4, SW 1/4, Sec. 7 to SW 1/4, NW 1/4, Sec. 20, T 9 S, R 16 E (12-7-9-16 to 5-20-9-16); SE 1/4, NE 1/4 (8-31-8-18); NW 1/4, SE 1/4 (10-31-8-18); NW 1/4, SE 1/4, to SW 1/4, NE 1/4 (32-29-8-18);

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
October 1, 2009

Newfield Production Company Proposed Site Facility Diagram

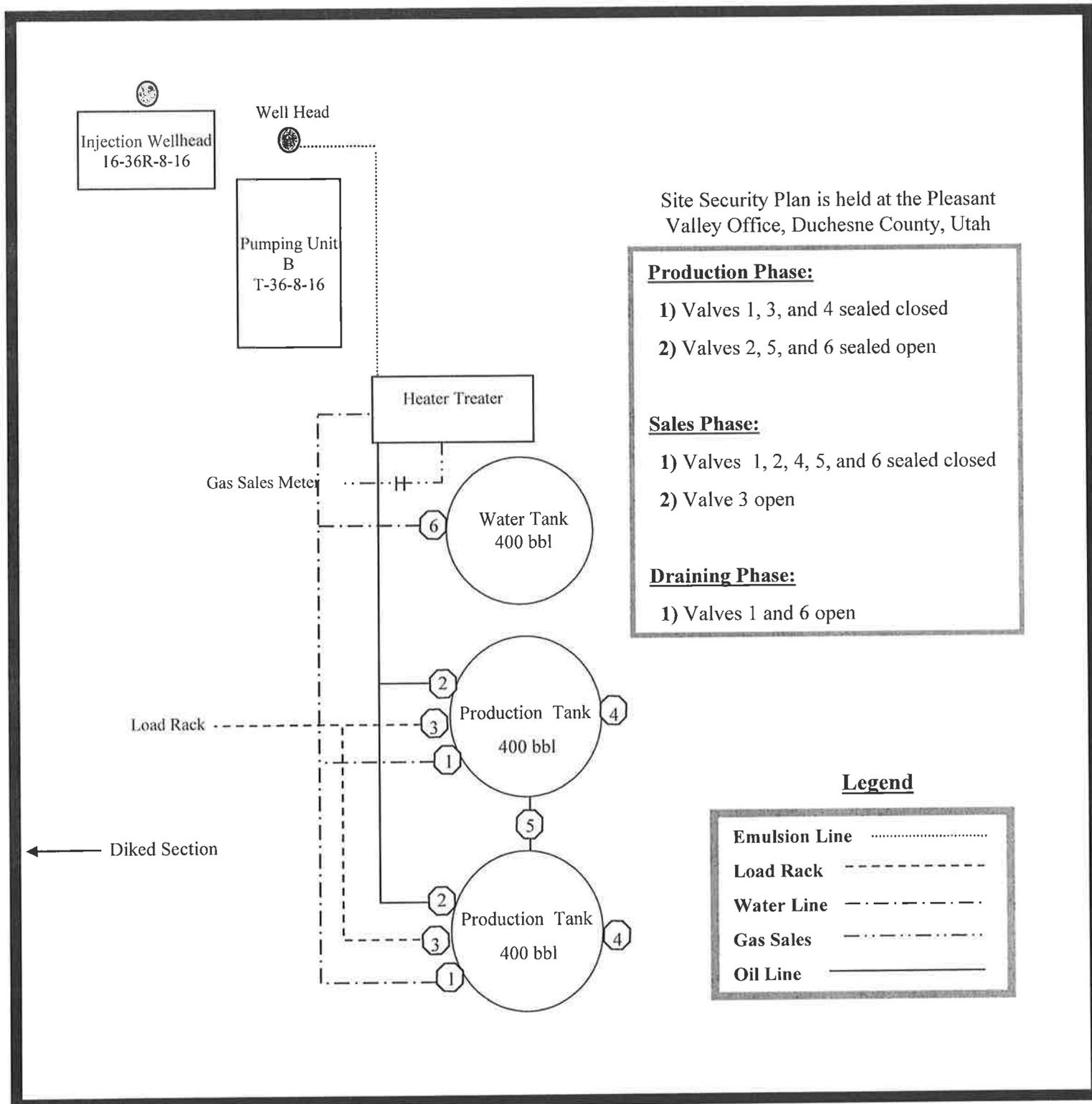
Greater Monument Butte T-36-8-16

From the 16-36R-8-16 Location

SW/SW Sec. 36 T8S, R16E

Duchesne County, Utah

ML-22061



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S
15 PROPOSED WELL LOCATIONS IN
TOWNSHIP 8S, RANGE 16E SEC. 25, 26, 27, 34, 35, 36
AND TOWNSHIP 9S, RANGE 16E SEC. 1
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Price Field Office
and
State of Utah
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-173

October 26, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

Public Lands Policy Coordination Office
Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0639b,s

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
AND PROPOSED PIPELINE ROUTES
DUCHESNE & UTAH COUNTIES, UTAH**

Site Surveys of Proposed Wells

NE 1/4, NE 1/4, Sec. 25, (1-25-8-16), SE 1/4, NE 1/4, Sec. 24, (D-25-8-16), SW 1/4, SW 1/4, Sec. 24, (E-25-8-16 & P-24-8-16), SE 1/4, SW 1/4, Sec. 34, (Q-34-8-16), NW 1/4, SE 1/4, Sec. 34, (L-34-8-16 & S-34-8-16), NW 1/4, SW 1/4, Sec. 35, (T-34-8-16), NE 1/4, SW 1/4, Sec. 35, (R-35-8-16), SE 1/4, SE 1/4 Sec. 26, (S-26-8-16), NW 1/4, SW 1/4, Sec. 26, (N-26-8-16), SE 1/4, NE 1/4, Sec. 26, (O-25-8-16), SE 1/4, NE 1/4, Sec. 25, (J-25-8-16), NE 1/4, SE 1/4, Sec. 27 (S-27-8-16), SE 1/4, SW 1/4, Sec. 36, (C-1-9-16), SW 1/4, SE 1/4, Sec. 36, (B-1-9-16 & R-36-8-16), SE 1/4, SE 1/4, Sec. 36, (T-36-8-16, A-1-9-16 & K-36-8-16), SW 1/4, NW 1/4, Sec. 26, (O-26-8-16), SW 1/4, NE 1/4, Sec. 34, (H-34-8-16 & M-34-8-16), SW 1/4, SE 1/4, Sec. 27, (B-34-8-16 & C-34-8-16), T 8 S, R 16 E; NE 1/4, SW 1/4, Sec.1, (M-1-9-16), NW 1/4, SE 1/4, Sec.11, (S-11-9-16), T 9 S, R 16 E.

Proposed Pipeline Surveys

SW 1/4, SW 1/4, Sec. 8, T 9 S, R 17 E (14-8-9-17); NW 1/4, SW 1/4, Sec. 7 to SW 1/4, NW 1/4, Sec. 20, T 9 S, R 16 E (12-7-9-16 to 5-20-9-16); SE 1/4, NE 1/4 (8-31-8-18); NW 1/4, SE 1/4 (10-31-8-18); NW 1/4, SE 1/4, to SW 1/4, NE 1/4 (32-29-8-18);

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

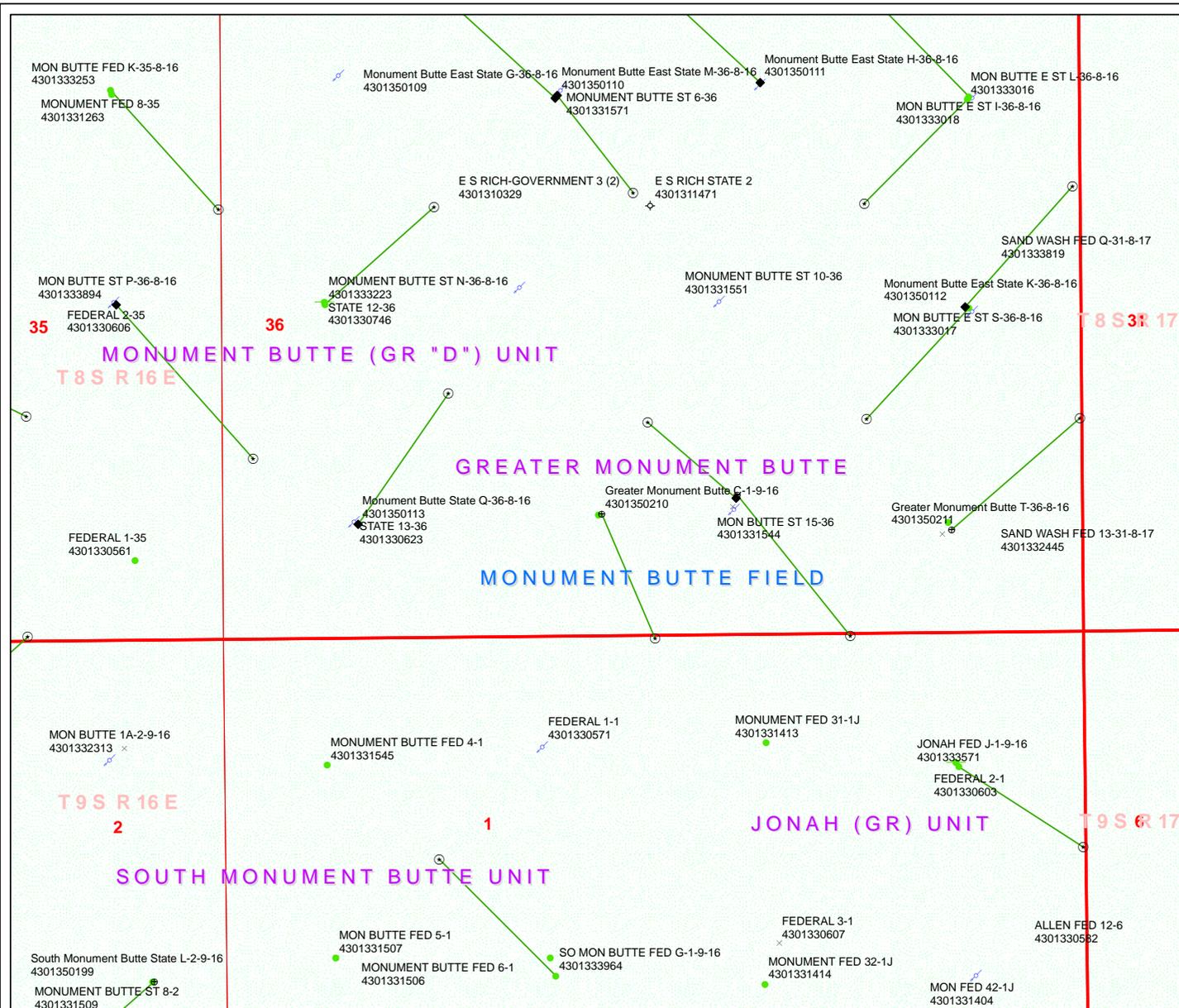
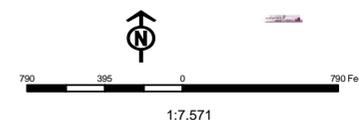
Prepared by:

Wade E. Miller
Consulting Paleontologist
October 1, 2009

API Number: 4301350210
Well Name: Greater Monument Butte C-1-9-16
Township 08.0 S Range 16.0 E Section 36
Meridian: SLBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
STATUS	Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	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
Fields	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WWI - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	
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)

January 11, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2010 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 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50194	Mon Butte NE Fed K-25-8-16	Sec 30 T08S R17E 1959 FSL 0653 FWL BHL Sec 25 T08S R16E 2635 FNL 0010 FEL
43-013-50209	Greater Mon Butte B-1-9-16	Sec 36 T08S R16E 0862 FSL 2119 FEL BHL Sec 01 T09S R16E 0010 FNL 1430 FEL
43-013-50210	Greater Mon Butte C-1-9-16	Sec 36 T08S R16E 0758 FSL 2329 FWL BHL Sec 01 T09S R16E 0010 FNL 2630 FEL
43-013-50211	Greater Mon Butte T-36-8-16	Sec 36 T08S R16E 0634 FSL 0800 FEL BHL Sec 36 T08S R16E 1310 FSL 0010 FEL
43-013-50212	Greater Mon Butte O-1-9-16	Sec 02 T09S R16E 2096 FNL 0425 FEL BHL Sec 01 T09S R16E 2635 FSL 0010 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:1-11-10



2364

January 7, 2010

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
Greater Monument Butte C-1-9-16
Greater Monument Butte (Green River) Unit
ML-22061
UTU-33992
Surface Hole: T8S-R16E Section 36: SESW
758' FSL 2329' FWL

At Target: T9S-R16E Section 1: NWNE
10' FNL 2630' 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 1/5/10, 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 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company


Shane Gillespie
Land Associate

RECEIVED

JAN 11 2010

DIV. OF OIL, GAS & MINING

From: Jim Davis
To: Bonner, Ed; Mason, Diana
CC: teaton@newfield.com
Date: 2/10/2010 12:05 PM
Subject: Newfield Approvals (5)

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

4301350209 Greater Monument Butte B-1-9-16
4301350210 Greater Monument Butte C-1-9-16
4301350211 Greater Monument Butte T-36-8-16
4301350244 Greater Monument Butte I-2-9-16
4301350212 Greater Monument Butte O-1-9-16

-Jim

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

Well Name	NEWFIELD PRODUCTION COMPANY Greater Monument Butte C-1-9-16 4		
String	Surf	Prod	
Casing Size(")	8.625	5.500	
Setting Depth (TVD)	300	6255	
Previous Shoe Setting Depth (TVD)	0	300	
Max Mud Weight (ppg)	8.3	8.3	
BOPE Proposed (psi)	500	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2708	8.3	

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

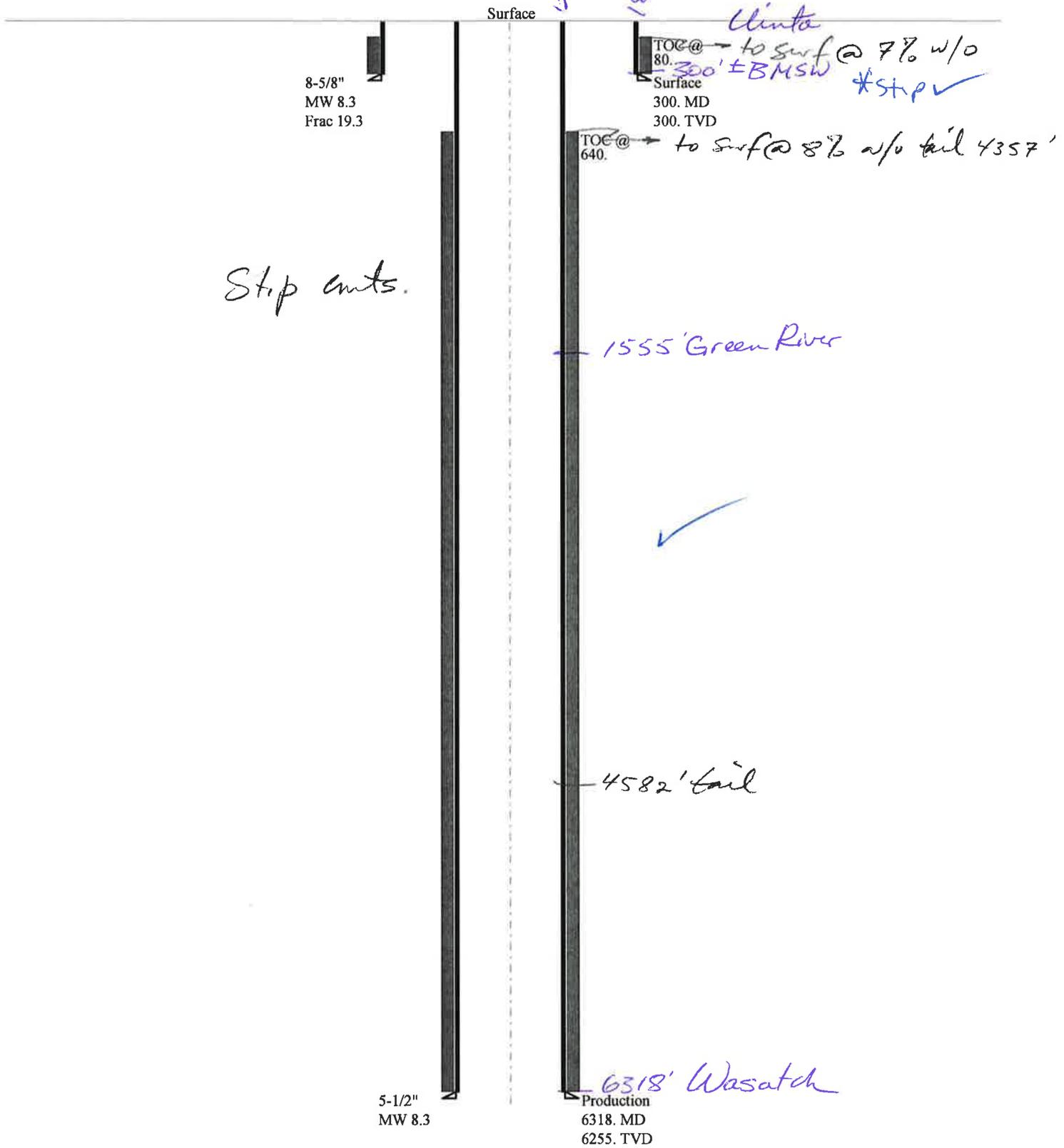
Calculations	Prod String	5.500	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	2700	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	1949	YES
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	1324	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	1390	NO 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)	$.052 * \text{Setting Depth} * \text{MW} =$		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

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

43013502100000 Greater Monument Butte C-1-9-16

Casing Schematic



Strip cuts.

1555' Green River

4582' tail

6318' Wasatch

Well name:	43013502100000 Greater Monument Butte C-1-9-16		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-013-50210
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.330 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: 78 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 80 ft

Burst

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

No backup mud specified.

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

Non-directional string.

Re subsequent strings:

Next setting depth: 6,255 ft
 Next mud weight: 8.300 ppg
 Next setting BHP: 2,697 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: February 16, 2010
 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:	43013502100000 Greater Monument Butte C-1-9-16		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-50210
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.330 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: 640 ft

Burst

Max anticipated surface pressure: 1,331 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,707 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: 5,520 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 834 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 8.85 °

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	6318	5.5	15.50	J-55	LT&C	6255	6318	4.825	22309
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	2707	4040	1.493	2707	4810	1.78	96.9	217	2.24 J

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

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

Date: February 16, 2010
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6255 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.

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Greater Monument Butte C-1-9-16
API Number 43013502100000 **APD No** 2264 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 **SESW** **Sec** 36 **Tw** 8.0S **Rng** 16.0E 758 FSL 2329 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton and Brian Foote (Newfield Production Co.), Cory Miller and Tyson Reary (Tri State Land Surveying), Alex Hansen (Division of Wildlife Resources), Jim Davis (SITLA) and James Hereferd (Bureau Of Land Management).

Regional/Local Setting & Topography

An additional oil well, the Greater Monument Butte C-1-9-16, is proposed to be directionally drilled from the existing pad of the Monument Butte East 14-36-8-16 producing oil well. The surface of the location is owned by SITLA. The bottom hole location will be drilled to Federal Minerals administered by the Bureau of Land Management. The first perforation is planned within SITLA minerals. No significant changes to the previously disturbed area of the existing pad are planned. Corners 1 and 2 will be rounded so as to avoid a drainage that parallels the north side of the site. The wells are on a 20-acre spacing.

Surface Use Plan

Current Surface Use
 Wildlife Habitat
 Existing Well Pad

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

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Existing pad.
 Alex Hansen of the Utah Division of Wildlife resources also attended the evaluation. With an email follow-up he requested a seasonal closure for Ferruginous hawk nesting in the area of no drilling or construction between March 1st and July 15th. No significant impacts on other wildlife should occur.

Soil Type and Characteristics

Erosion Issues N

Corners 1 and 2 will be rounded so as to avoid a drainage that parallels the north side of the site.

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	40	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug near the original location on the south side of the pad. Its dimensions are 80' x 40' x 8' deep. A 16-mil liner and a sub-liner are required.

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

Other Observations / Comments

Floyd Bartlett
Evaluator

12/14/2009
Date / Time

Application for Permit to Drill Statement of Basis

3/2/2010

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
2264	43013502100000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Greater Monument Butte C-1-9-16		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SESW 36 8S 16E S 758 FSL 2329 FWL GPS Coord (UTM) 579463E 4435645N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a major source of useable ground water. However, ground water in the Uinta Formation should be of sufficient quality and quantity for isolated domestic and agricultural use and should be protected. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill
APD Evaluator

1/19/2010
Date / Time

Surface Statement of Basis

An additional oil well, the Greater Monument Butte C-1-9-16, is proposed to be directionally drilled from the existing pad of the Monument Butte East 14-36-8-16 producing oil well. The surface of the location is owned by SITLA. The bottom hole location will be drilled to Federal Minerals administered by the Bureau of Land Management. The first perforation is planned within SITLA minerals. No significant changes to the previously disturbed area of the existing pad are planned. Corners 1 and 2 will be rounded so as to avoid a drainage that parallels the north side of the site. The wells are on a 20-acre spacing.

Jim Davis of SITLA and James Hereford of the BLM attended. They were in agreement with the above requirements. SITLA is to be contacted for surface reclamation standards.

Alex Hansen of the Utah Division of Wildlife resources also attended the evaluation. With an email follow-up he requested a seasonal closure for Ferruginous hawk nesting in the area of no drilling or construction between March 1st and July 15th. No significant impacts on other wildlife should occur.

Floyd Bartlett
Onsite Evaluator

12/14/2009
Date / Time

Conditions of Approval / Application for Permit to Drill

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

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/6/2010

API NO. ASSIGNED: 4301350210000

WELL NAME: Greater Monument Butte C-1-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SESW 36 080S 160E

Permit Tech Review:

SURFACE: 0758 FSL 2329 FWL

Engineering Review:

BOTTOM: 0010 FNL 2630 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.06921

LONGITUDE: -110.06817

UTM SURF EASTINGS: 579463.00

NORTHINGS: 4435645.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22061

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-7478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

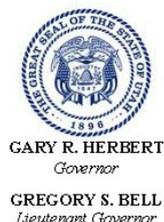
Commingle Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - Bhill
15 - Directional - dmason
25 - Surface Casing - ddoucet
27 - Other - Bhill



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: Greater Monument Butte C-1-9-16
API Well Number: 43013502100000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 3/2/2010

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).

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://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 Gil Hunt
Associate Director, Oil & Gas

^{Spud}
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# RossRig #
21 Submitted By Don Bastian Phone Number 435-
823-6012

Well Name/Number Greater Monument Butte C-1-9-16
Qtr/Qtr SE/SW Section 36 Township 8S Range 16E
Lease Serial Number ML- 22061
API Number 43-013- 502100000

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

Date/Time 6/23/10 8:00 AM PM

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

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

Date/Time 6/23/10 2:00 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 Ross Rig #21 Will Spud The GMB C-1-9-16 @ 8:00 AM
6/23/10. Start Casing In Hole @ 2:00 PM 6/23/10

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

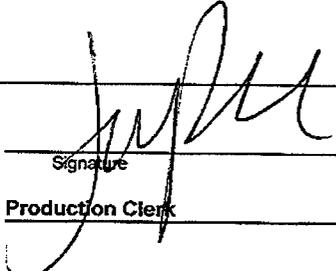
OPERATOR ACCT. NO. N2695

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 ✓	4301350210	GREATER MONUMENT BUTTE C-1-9-16	SESW	36	8	16E	DUCHESNE	6/25/2010	7/26/10
WELL 1 COMMENTS: GRRV BHL = Sec 1 T9S N0WNE											
A	99999	17693	4304750986	HANCOCK 4-23-4-1	NWNW	23	4S	1W	UINTAH	7/1/2010	7/26/10
GRRV											
B	99999	17400 ✓	4301350175	GREATER BOUNDARY II FED Q-21-8-17	NWSW	21	8S	17E	DUCHESNE	7/2/2010	7/26/10
GRRV BHL = SWSW											
A	99999	17694	4304750980	UTE TRIBAL 6-23-4-1	SENW	23	4S	1W	UINTAH	7/3/2010	7/26/10
GRRV											
A	99999	17695	4304750945	HANCOCK 9-24-4-1	NESE	24	4S	1W	UINTAH	7/4/2010	7/26/10
WELL 5 COMMENTS: GRRV											
A	99999	17696	4301350271	UTE TRIBAL 2-19-4-1	NWNE	19	4S	1W	DUCHESNE	7/6/2010	7/26/10
WELL 5 COMMENTS: GRRV											

- ACTION CODES (See Instructions on back of form)
- A - 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 - other (explain in comments section)

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DIV. OF OIL, GAS & MINING


 Signature _____ Jentri Park
 Production Clerk _____
 Date 07/19/10

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-22061

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

GMBU

1. TYPE OF WELL:

OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:

MON BUTTE C-1-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301350210

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:

GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 1, T9S, R16E

STATE: UT

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 (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 6/24/10 MIRU Ross rig # 21. Spud well @ 12:00 PM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 315.59' KB On 6/28/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Alvin Nielsen

TITLE Drilling Foreman

SIGNATURE

DATE 07/03/2010

(This space for State use only)

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JUL 20 2010

DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-22061

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
MON BUTTE C-1-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350210

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:
GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN 36th 85th N, T^hS, R16E

STATE: UT

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

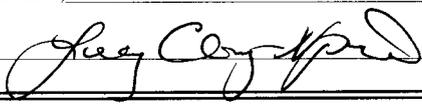
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>07/20/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 07-20-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 07/20/2010

(This space for State use only)

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JUL 22 2010
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

MON BUTTE C-1-9-16**5/1/2010 To 9/30/2010****RECEIVED****JUL 22 2010**

DIV. OF OIL, GAS & MINING

7/12/2010 Day: 1**Completion**

Rigless on 7/12/2010 - Ran CBL & perforated 1st stage. SIWFN w/ 149 BWTR. - NU frac head & Cameron BOP's. RU Hot oiler & test casing, frac head, frac valves & BOP to 4500 psi. RU WLT w/ mast & pack off tool. Run CBL under pressure. WLTD was 6214' w/ TOC @ 90'. RIH w/ 3 1/8" ported guns & perforate CP5 sds @ 6084- 94' w/ (11 gram, .36"EH, 16.82¢ pen. 120°) 3 spf for total of 30 shots. RD WLT & Hot Oiler. SIFN w/ 149 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$12,321**7/14/2010 Day: 2****Completion**

Rigless on 7/14/2010 - RU BJ Services & PSI WL. Frac 1st stage. Perforate & frac remaining 3 stages. Flowback well for 2 1/2 hrs. Turned to oil and gas. Rec 419 BWTR. SIWFN w/ 1206 BWTR. - RU BJ Services & PSI WL. Frac 1st stage. Perforate & frac remaining 3 stages. Flowback well for 2 1/2 hrs. Turned to oil and gas. Rec 419 BWTR. SIWFN w/ 1206 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$77,626**7/19/2010 Day: 5****Completion**

Stone #8 on 7/19/2010 - C/O to PBSD. TOH w/ tbg. TIH w/ production tbg. PU 4 jts of tbg. C/O to PBSD. LD 4 jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1095 BWTR. - MIRU Stone #8. 500 psi on well. Hot oiler pumped 5 bbls of wtr down csg. RU PSI WL. Set Weatherford solid composite kill plug @ 4150'. RD WL. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Unload tbg on pipe racks. PU & RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 4150'. RU Nabors power swivel. Drill out plug in 15 mins. Tagged sand @ 4185'. Clean out to plug @ 4325'. Drill out plug in 15 mins. SIWFN w/ 1186 BWTR. - MIRU Stone #8. 500 psi on well. Hot oiler pumped 5 bbls of wtr down csg. RU PSI WL. Set Weatherford solid composite kill plug @ 4150'. RD WL. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Unload tbg on pipe racks. PU & RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 4150'. RU Nabors power swivel. Drill out plug in 15 mins. Tagged sand @ 4185'. Clean out to plug @ 4325'. Drill out plug in 15 mins. SIWFN w/ 1186 BWTR. - MIRU Stone #8. 500 psi on well. Hot oiler pumped 5 bbls of wtr down csg. RU PSI WL. Set Weatherford solid composite kill plug @ 4150'. RD WL. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Unload tbg on pipe racks. PU & RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 4150'. RU Nabors power swivel. Drill out plug in 15 mins. Tagged sand @ 4185'. Clean out to plug @ 4325'. Drill out plug in 15 mins. SIWFN w/ 1186 BWTR. - 50 psi on well. Continue RIH w/ tbg. Tagged sand @ 4494'. C/O to plug @ 4500' (Drilled out in 15 mins), Tagged sand @ 5033', Plug @ 5130' (Drilled out in 25 mins). Tagged fill @ 6086'. C/O to PBSD @ 6242'. RD power swivel. LD 3 jts of tbg. RU swab. IFL @ surface. Made 16 runs, FFL @ 1500'. Rec 156 BTF. RD swab. SIWFN w/ 1030 BWTR. - 50 psi on well. Continue RIH w/ tbg. Tagged sand @ 4494'. C/O to plug @ 4500' (Drilled out in 15 mins), Tagged sand @ 5033', Plug @ 5130' (Drilled out in 25 mins). Tagged fill @ 6086'. C/O to PBSD @ 6242'. RD power swivel. LD 3 jts of tbg. RU swab. IFL @ surface. Made 16 runs, FFL @ 1500'. Rec 156 BTF. RD swab. SIWFN w/ 1030 BWTR. - 50 psi on well. Continue RIH w/ tbg. Tagged sand @ 4494'. C/O to plug @ 4500' (Drilled out in 15 mins), Tagged sand @ 5033', Plug @ 5130' (Drilled out in 25 mins). Tagged fill @ 6086'. C/O to PBSD @ 6242'. RD

power swivel. LD 3 jts of tbg. RU swab. IFL @ surface. Made 16 runs, FFL @ 1500'. Rec 156 BTF. RD swab. SIWFN w/ 1030 BWTR. - 250 psi on csg, 300 psi on tbg. Bleed of pressure. PU 3 jts of tbg. Tagged PBTD @ 6242'. Circulate well clean. LD 4 jts of tbg. TOH w/ tbg. LD bit & bit sub. Matting board w/ racked tbg sunk about 3'. TIH w/ production tbg. NC, 2- jts, SN, 1- jt, 5 1/2" TA, 195 jts of 2 7/8" J-55 tbg. PU 4 jts of tbg. Circulate well clean. LD 4 jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1095 BWTR. Heat & transfer 100 bbls of oil to the 6-1-9-16 Tank #1. - 250 psi on csg, 300 psi on tbg. Bleed of pressure. PU 3 jts of tbg. Tagged PBTD @ 6242'. Circulate well clean. LD 4 jts of tbg. TOH w/ tbg. LD bit & bit sub. Matting board w/ racked tbg sunk about 3'. TIH w/ production tbg. NC, 2- jts, SN, 1- jt, 5 1/2" TA, 195 jts of 2 7/8" J-55 tbg. PU 4 jts of tbg. Circulate well clean. LD 4 jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1095 BWTR. Heat & transfer 100 bbls of oil to the 6-1-9-16 Tank #1. - 250 psi on csg, 300 psi on tbg. Bleed of pressure. PU 3 jts of tbg. Tagged PBTD @ 6242'. Circulate well clean. LD 4 jts of tbg. TOH w/ tbg. LD bit & bit sub. Matting board w/ racked tbg sunk about 3'. TIH w/ production tbg. NC, 2- jts, SN, 1- jt, 5 1/2" TA, 195 jts of 2 7/8" J-55 tbg. PU 4 jts of tbg. Circulate well clean. LD 4 jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1095 BWTR. Heat & transfer 100 bbls of oil to the 6-1-9-16 Tank #1.

Daily Cost: \$0

Cumulative Cost: \$144,026

7/20/2010 Day: 6

Completion

Stone #8 on 7/20/2010 - PU rods. Hang head, Space out rods. Pressure test to 800 psi. RDMOSU. POP @ 6:15 PM @ 5 SPM w/ 122" SL w/ 1095 BWTR. FINAL REPORT!!! - 150 psi on csg, Tbg on vacuum. Flush tbg w/ 50 bbls of wtr. PU & RIH w/ "A" grade rod string. Stacked out @ 800'. TOH w/ rods. Flush tbg w/ 100 bbls of wtr. PU & RIH w/ "A" grade rod string as follows: Central hydraulic 2 1/2" X 1 3/4" X 24' RHAC, 4- 1 1/2" wt bars, 160- 3/4" guide rods (4 per), 78- 7/8" guided rods (8 per), 1-8', 1-6' X 7/8" pony rod, 1 1/2" X 30' polish rod. Hang head, Space out rods. Pressure test w/ unit to 800 psi. RDMOSU. POP @ 6:15 PM @ 5 SPM w/ 122" SL w/ 1095 BWTR. FINAL REPORT!!! **Finalized**

Daily Cost: \$0

Cumulative Cost: \$180,207

Pertinent Files: Go to File List

RECEIVED

JUL 22 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22061
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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: GREATER MON BUTTE C-1-9-16
------------------------------------	---

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013502100000
--	---

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
--	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0758 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 36 Township: 08.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<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: 7/28/2010	<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="Change of Lease"/>

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

The above mentioned directional well was drilled into an adjacent Federal Mineral Lease, therefore the BLM has requested that the Lease Number be changed to Lease UTU-33992.

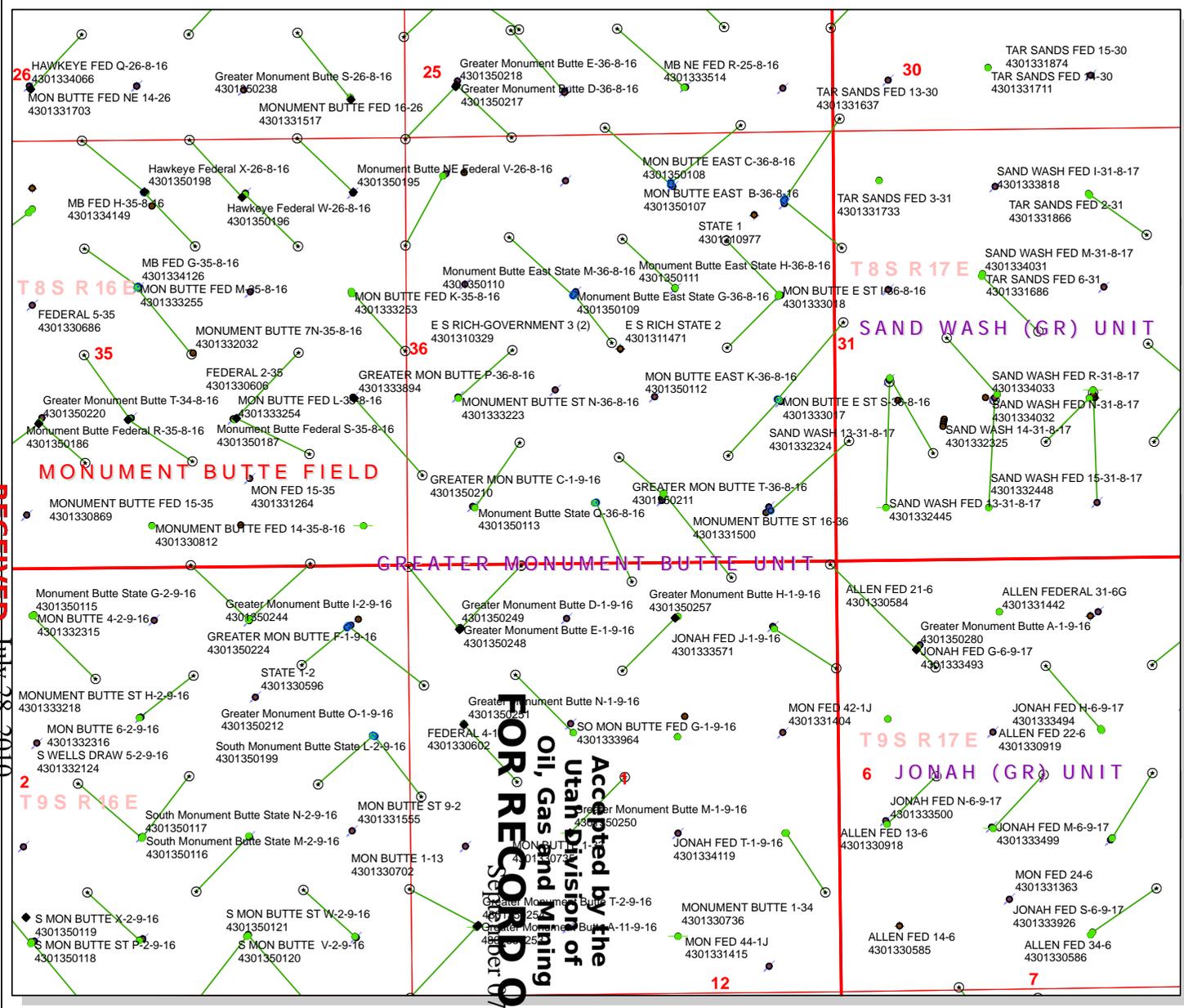
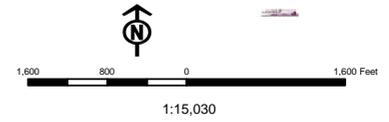
Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 07, 2010

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 7/28/2010	

API Number: 4301350210
Well Name: GREATER MON BUTTE C-1-9-16
Township 08.0 S Range 16.0 E Section 36
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
<ul style="list-style-type: none"> ACTIVE EXPLORATORY GAS STORAGE NF PP OIL NF SECONDARY PI OIL PP GAS PP GEOTHERMAL PP OIL SECONDARY TERMINATED 	<ul style="list-style-type: none"> X -all other values- ◆ APD - Approved Permit ○ DRL - Spudded (Drilling Commenced) ○ GIW - Gas Injection ○ GS - Gas Storage X LA - Location Abandoned ○ LOC - New Location ○ OPS - Operation Suspended ○ PA - Plugged Abandoned ○ PGW - Producing Gas Well ○ PDW - Producing Oil Well ○ RET - Returned APD ○ SGW - Shut-in Gas Well ○ TA - Temp. Abandoned ○ TW - Test Well ○ WDW - Water Disposal ○ WIW - Water Injection Well ○ WSW - Water Supply Well
Fields	
<ul style="list-style-type: none"> Sections Township ○ Bottom Hole Location - AGRG 	



RECEIVED July 28, 2010

Accepted by the
 Utah Division of
 Oil, Gas and Mining
 Order 07, 2010



July 29, 2010

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
Greater Monument Butte C-1-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 36: SESW (ML-22061)
758' FSL 2329' FWL

At Target: T9S-R16E Section 1: NWNE (Lot 2) (UTU-33992)
225' FNL 2521' 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 7/23/2010, 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 Rule R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Land Associate

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

September 07, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

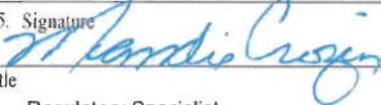
FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-33992
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Monument Butte C-1-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-50210
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SE/SW 758' FSL 2329' FWL Sec. 36, T8S R16E (ML-22061) At proposed prod. zone NW/NE (LOT 2) 225' FNL 2521' FEL Sec. 1, T9S R16E (UTU-33992)		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 13.0 miles south of Myton, UT		11. Sec., T, R, M. or Blk. and Survey or Area Sec. 36, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 225' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 120.06	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1000'	17. Spacing Unit dedicated to this well 20 Acres	13. State UT
19. Proposed Depth 6,300'	20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5371' GL	22. Approximate date work will start* NA	23. Estimated duration (7) days from SPUD to rig release

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/23/10
--	--	-----------------

Title Regulatory Specialist	
--------------------------------	--

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

Title	Office
-------	--------

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**
September 07, 2010

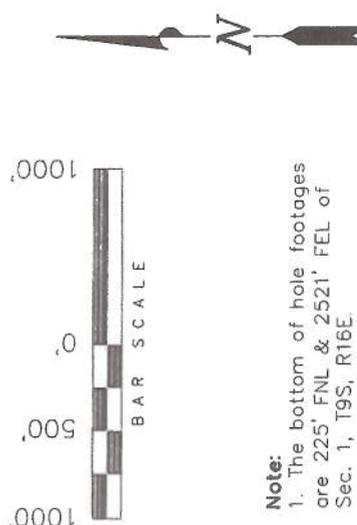
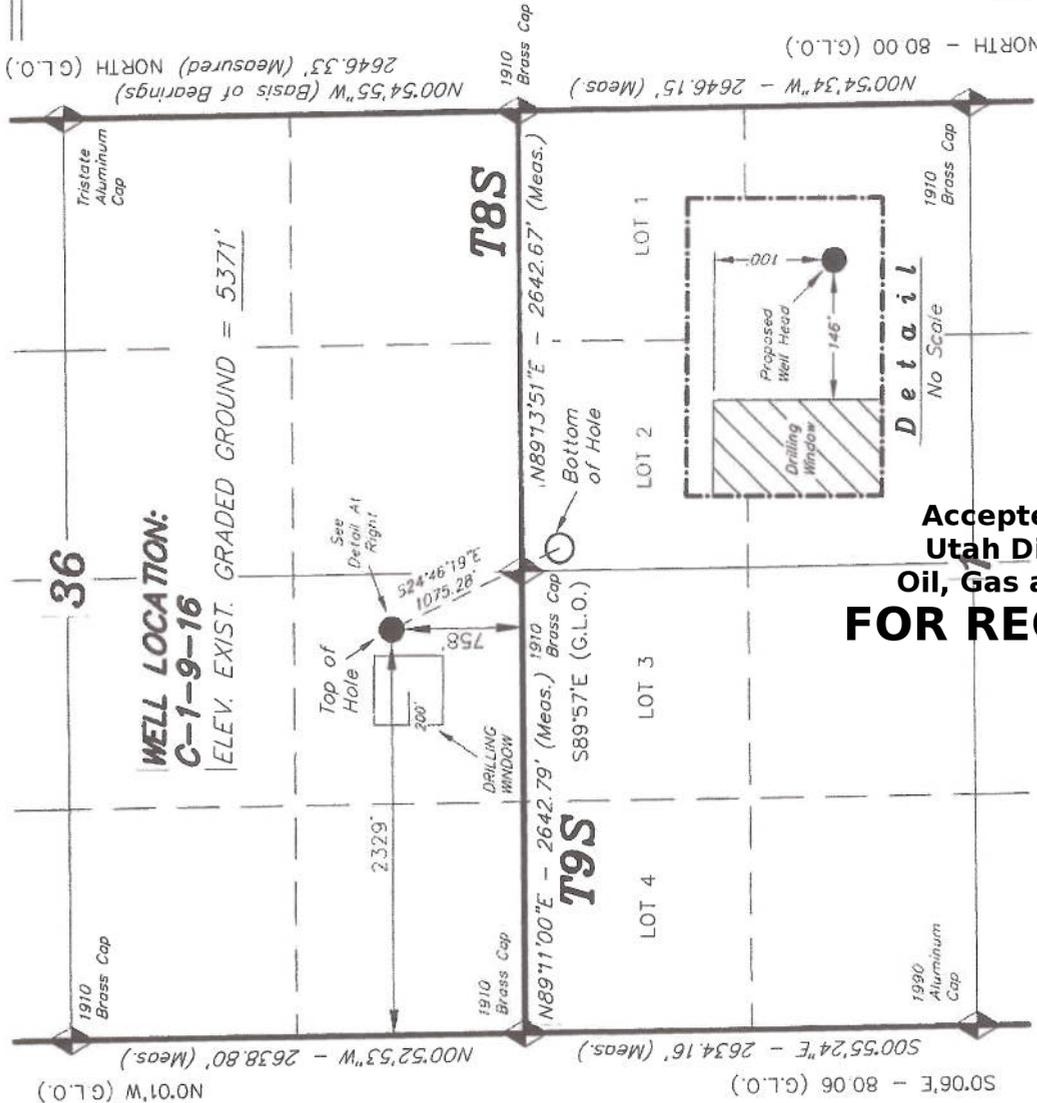
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

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

R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, C-1-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

REGISTERED LAND SURVEYOR
STACY W.
 REGISTRATION NO. 189377
 STATE OF UTAH

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

DATE SURVEYED: 08-28-09	SURVEYED BY: T.P.
DATE DRAWN: 09-01-09	DRAWN BY: F.T.M.
REVISED: 07-21-10 - M.W.	SCALE: 1" = 1000'

C-1-9-16
 (Surface Location) **NAD 83**
 LATITUDE = 40° 04' 09.14"
 LONGITUDE = 110° 04' 08.04"

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
 September 07, 2010

SECTION CORNERS LOCATION: an N.G.S. OPUS Corner
 LAT. 40°04'09.56" LONG. 110°00'43.28"
 (Tristate Aluminum Cap) Elev. 5371.57'



September 1, 2010

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
South Monument Butte W-2-9-16
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 2: SWSE (ML-21839)
765' FSL 2024' FEL

Bottom Hole: T9S-R16E Section 11: NENW (UTU-096550)
162' FNL 2537' FWL

Duchesne County, Utah

Dear Ms. Mason;

In accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of the surface hole and bottom hole locations of this directionally drilled well.

The surface and bottom hole locations are both on lands committed to the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Newfield also Certifies that all lands within 460 feet of the entire directional well bore, which crosses the lease boundary line between ML-21839 and UTU-096550, are committed to the Greater Monument Butte Unit as shown on the attached plat.

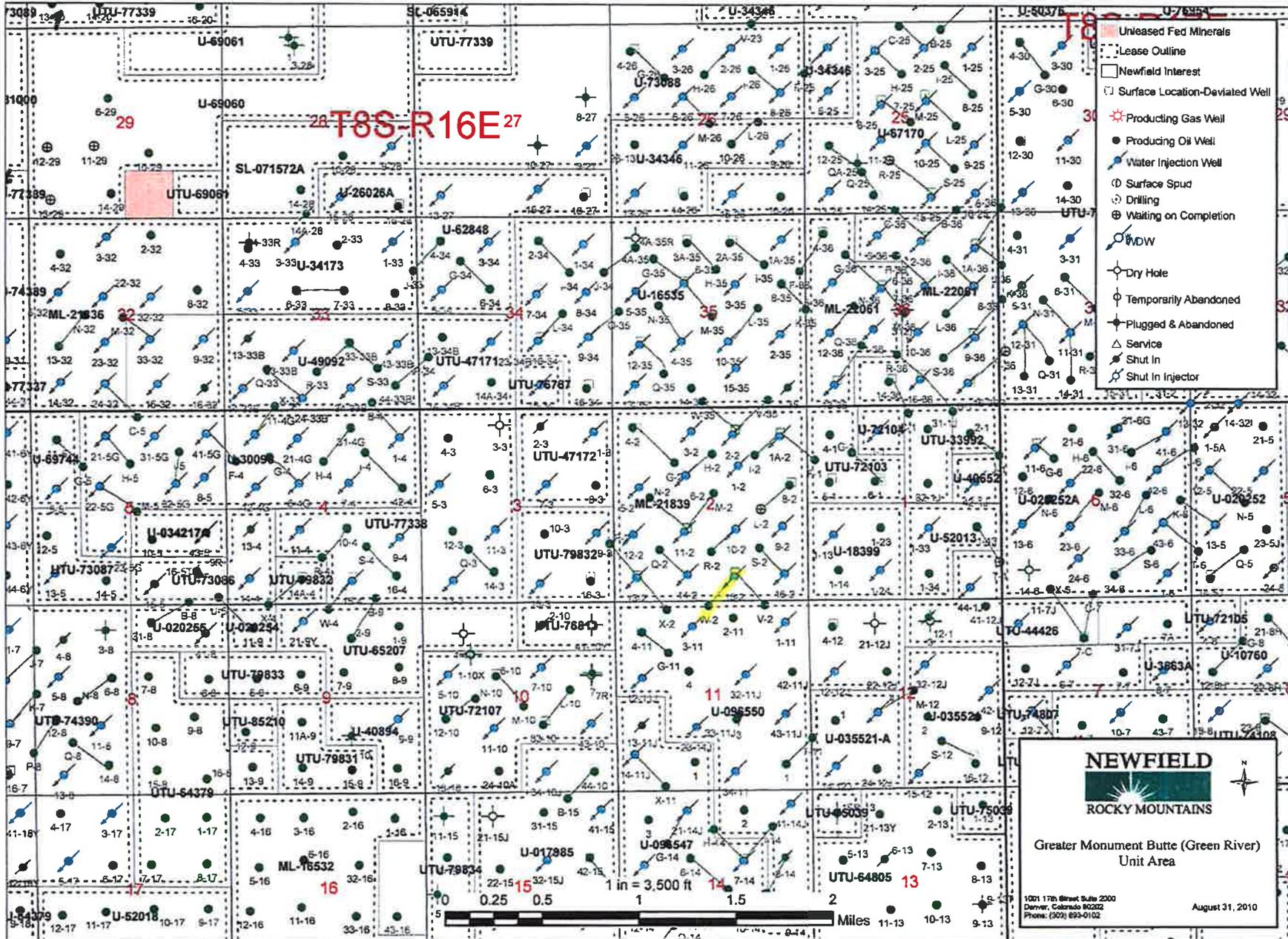
Should you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "SGillespie".

Shane Gillespie
Land Associate

RECEIVED July 28, 2010



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

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

5. Lease Serial No.
UTU-33992

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.
GREATER MONUMENT BUTTE C-1-9-16

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

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

9. AFI Well No.
43-013-50210

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 758' FSL & 2329' FWL (SE/SW) SEC. 36, T8S, R16E (ML-22061)

BITC reviewed by HSM

10. Field and Pool or Exploratory
GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area
SEC. 36, T8S, R16E

At top prod. interval reported below 150' FSL & 2603' FWL (SE/SW) SEC. 36, T8S, R16E (ML-22061)
 At total depth 225' FNL & 2521' FEL (NW/NE) (LOT 2) SEC. 1, T9S, R16E (UTU-33992)

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
06/25/2010

15. Date T.D. Reached
07/06/2010

16. Date Completed 07/19/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5371' GL 5383' KB

18. Total Depth: MD 6300'
TVD 6194'

19. Plug Back T.D.: MD 6242'
TVD 6137

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	315'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6289'		251 PRIMLITE		90'	
						400 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@ 6152'	TA @ 6054'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6084-6094' CP5	.36"	3	30
B) Green River			5043-5049' D1	.34"	3	24
C) Green River			4432-4439' GB6	.34"	3	21
D) Green River			4259-4264' GB2	.34"	3	15

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

Depth Interval	Amount and Type of Material
6084-6094'	Frac w/ 35805#'s 20/40 sand in 240 bbls of Lightning 17 fluid.
5043-5049'	Frac w/ 25349#'s 20/40 sand in 209 bbls of Lightning 17 fluid.
4432-4439'	Frac w/ 30277#'s 20/40 sand in 242 bbls of Lightning 17 fluid.
4259-4264'	Frac w/ 12418#'s 20/40 sand in 120 bbls of Lightning 17 fluid.

RECEIVED
AUG 19 2010

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7-17-10	7-29-10	24	→	9.83	8.05	45			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

DIV. OF OIL, GAS & MINING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

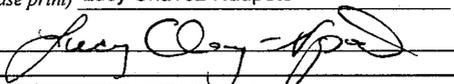
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3849' 4038'
				GARDEN GULCH 2 POINT 3	4172' 4441'
				X MRKR Y MRKR	4693' 4731'
				DOUGALS CREEK MRK BI CARBONATE MRK	4854' 5106'
				B LIMESTON MRK CASTLE PEAK	5233' 5728'
				BASAL CARBONATE	6170'

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) Lucy Chavez-Naupoto Title Administrative Assistant
 Signature  Date 07/30/2010

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 36 T8S, R16E
C-1-9-16**

Wellbore #1

Design: Actual

Standard Survey Report

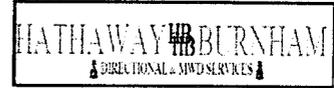
15 July, 2010

HATHAWAY  BURNHAM
 DIRECTIONAL & MWD SERVICES 



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: C-1-9-16
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well C-1-9-16
TVD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
MD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
North Reference: True
Survey Calculation Method: Minimum Curvature
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 36 T8S, R16E, SEC 26 T8S, R16E				
Site Position:	Northing:	7,202,697.00ft	Latitude:	40° 5' 3.401 N	
From:	Lat/Long	Easting:	2,045,250.00ft	Longitude:	110° 3' 10.915 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.93 °

Well	C-1-9-16, SHL LAT: 40 04 09.14, LONG: -110 04 08.04					
Well Position	+N/-S	0.0 ft	Northing:	7,197,135.95 ft	Latitude:	40° 4' 9.140 N
	+E/-W	0.0 ft	Easting:	2,040,898.62 ft	Longitude:	110° 4' 8.040 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,383.0 ft	Ground Level:	5,371.0 ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/09/27	11.52	65.87	52,484

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	156.09	

Survey Program	Date 2010/07/15				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
322.0	6,300.0	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
322.0	0.88	348.10	322.0	2.4	-0.5	-2.4	0.27	0.27	0.00
353.0	0.88	351.20	353.0	2.9	-0.6	-2.9	0.15	0.00	10.00
384.0	0.77	347.20	384.0	3.3	-0.7	-3.3	0.40	-0.35	-12.90
414.0	0.90	0.00	414.0	3.8	-0.7	-3.7	0.76	0.43	42.67
446.0	0.74	358.91	446.0	4.2	-0.7	-4.1	0.50	-0.50	-3.41
476.0	0.48	11.01	476.0	4.5	-0.7	-4.4	0.96	-0.87	40.33
506.0	0.37	123.12	506.0	4.6	-0.6	-4.5	2.36	-0.37	373.70
537.0	1.03	129.62	537.0	4.4	-0.3	-4.1	2.14	2.13	20.97
567.0	1.56	134.30	567.0	3.9	0.2	-3.5	1.80	1.77	15.60
598.0	2.18	139.99	597.9	3.2	0.9	-2.5	2.09	2.00	18.35
628.0	2.72	148.30	627.9	2.1	1.6	-1.3	2.15	1.80	27.70
659.0	3.32	149.20	658.9	0.7	2.5	0.3	1.94	1.94	2.90



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: C-1-9-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well C-1-9-16
 TVD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
 MD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 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)
690.0	3.82	147.62	689.8	-0.9	3.5	2.2	1.64	1.61	-5.10
720.0	3.63	155.07	719.8	-2.6	4.4	4.2	1.73	-0.63	24.83
751.0	4.13	155.93	750.7	-4.5	5.3	6.3	1.62	1.61	2.77
781.0	4.77	155.05	780.6	-6.6	6.2	8.6	2.15	2.13	-2.93
812.0	5.43	153.97	811.5	-9.1	7.4	11.4	2.15	2.13	-3.48
857.0	6.24	157.04	856.2	-13.3	9.3	15.9	1.93	1.80	6.82
903.0	6.75	156.17	901.9	-18.1	11.4	21.1	1.13	1.11	-1.89
948.0	7.19	156.72	946.6	-23.1	13.6	26.6	0.99	0.98	1.22
993.0	7.76	158.96	991.2	-28.5	15.8	32.5	1.42	1.27	4.98
1,039.0	8.42	159.59	1,036.8	-34.6	18.1	38.9	1.45	1.43	1.37
1,084.0	9.21	158.69	1,081.2	-41.0	20.5	45.8	1.78	1.76	-2.00
1,129.0	10.11	158.58	1,125.6	-48.0	23.3	53.3	2.00	2.00	-0.24
1,175.0	10.77	158.71	1,170.8	-55.8	26.3	61.7	1.44	1.43	0.28
1,220.0	11.40	158.69	1,215.0	-63.9	29.5	70.3	1.40	1.40	-0.04
1,265.0	11.71	159.55	1,259.1	-72.3	32.7	79.3	0.79	0.69	1.91
1,310.0	11.78	158.30	1,303.1	-80.8	36.0	88.5	0.59	0.16	-2.78
1,401.0	12.48	155.90	1,392.1	-98.4	43.4	107.6	0.95	0.77	-2.64
1,492.0	12.20	156.42	1,481.0	-116.2	51.3	127.0	0.33	-0.31	0.57
1,582.0	12.08	155.59	1,569.0	-133.5	59.0	146.0	0.24	-0.13	-0.92
1,673.0	11.62	154.76	1,658.1	-150.5	66.8	164.6	0.54	-0.51	-0.91
1,763.0	10.85	154.65	1,746.3	-166.3	74.3	182.2	0.86	-0.86	-0.12
1,854.0	10.94	157.44	1,835.7	-182.0	81.3	199.4	0.59	0.10	3.07
1,945.0	10.39	158.41	1,925.1	-197.6	87.6	216.2	0.64	-0.60	1.07
2,035.0	10.13	155.07	2,013.7	-212.4	93.9	232.2	0.72	-0.29	-3.71
2,126.0	10.61	152.72	2,103.2	-227.1	101.1	248.6	0.70	0.53	-2.58
2,217.0	10.57	157.20	2,192.6	-242.2	108.2	265.3	0.91	-0.04	4.92
2,306.0	10.94	156.25	2,280.1	-257.5	114.8	281.9	0.46	0.42	-1.07
2,397.0	11.73	155.75	2,369.3	-273.8	122.1	299.8	0.87	0.87	-0.55
2,487.0	11.51	154.23	2,457.5	-290.2	129.7	317.9	0.42	-0.24	-1.69
2,578.0	10.68	153.29	2,546.8	-305.9	137.5	335.4	0.93	-0.91	-1.03
2,669.0	10.57	150.96	2,636.2	-320.8	145.3	352.1	0.49	-0.12	-2.56
2,759.0	10.59	153.16	2,724.7	-335.4	153.0	368.6	0.45	0.02	2.44
2,850.0	11.91	155.51	2,813.9	-351.4	160.7	386.4	1.54	1.45	2.58
2,940.0	11.84	151.79	2,902.0	-368.0	168.9	404.9	0.85	-0.08	-4.13
3,031.0	12.26	152.56	2,991.0	-384.8	177.8	423.8	0.49	0.46	0.85
3,121.0	12.26	154.58	3,078.9	-401.9	186.3	442.9	0.48	0.00	2.24
3,212.0	11.51	154.78	3,168.0	-418.8	194.3	461.6	0.83	-0.82	0.22
3,303.0	11.34	153.71	3,257.2	-435.0	202.1	479.6	0.30	-0.19	-1.18
3,393.0	12.55	157.96	3,345.2	-452.0	209.7	498.3	1.66	1.34	4.72
3,484.0	12.79	158.85	3,434.0	-470.6	217.1	518.2	0.34	0.26	0.98
3,574.0	12.61	159.99	3,521.8	-489.1	224.0	538.0	0.34	-0.20	1.27
3,665.0	12.35	158.30	3,610.7	-507.5	231.0	557.6	0.49	-0.29	-1.86
3,756.0	11.56	155.95	3,699.7	-524.9	238.3	576.4	1.02	-0.87	-2.58
3,846.0	11.95	156.47	3,787.8	-541.6	245.7	594.8	0.45	0.43	0.58
3,937.0	10.44	158.14	3,877.1	-557.9	252.6	612.4	1.70	-1.66	1.84
4,028.0	11.07	157.97	3,966.5	-573.7	258.9	629.4	0.69	0.69	-0.19
4,118.0	12.28	155.99	4,054.6	-590.4	266.1	647.6	1.42	1.34	-2.20
4,209.0	12.59	158.39	4,143.5	-608.5	273.6	667.2	0.66	0.34	2.64
4,300.0	11.49	158.45	4,232.5	-626.2	280.6	686.2	1.21	-1.21	0.07
4,390.0	10.46	153.60	4,320.8	-641.8	287.6	703.3	1.54	-1.14	-5.39
4,481.0	10.92	157.29	4,410.2	-657.2	294.6	720.2	0.91	0.51	4.05
4,572.0	9.89	156.54	4,499.7	-672.3	301.0	736.6	1.14	-1.13	-0.82
4,662.0	10.70	154.20	4,588.3	-686.9	307.7	752.7	1.01	0.90	-2.60
4,752.0	11.20	152.20	4,676.7	-702.1	315.4	769.7	0.70	0.56	-2.22



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: C-1-9-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well C-1-9-16
 TVD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
 MD Reference: C-1-9-16 @ 5383.0ft (NEWFIELD RIG)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 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)	
4,843.0	10.81	157.09	4,766.0	-717.8	322.9	787.1	1.11	-0.43	5.37	
4,934.0	10.20	162.34	4,855.5	-733.4	328.6	803.6	1.25	-0.67	5.77	
5,024.0	11.40	163.11	4,943.9	-749.5	333.6	820.4	1.34	1.33	0.86	
5,115.0	11.56	158.08	5,033.1	-766.5	339.6	838.4	1.11	0.18	-5.53	
5,205.0	11.38	153.07	5,121.3	-782.8	347.0	856.3	1.12	-0.20	-5.57	
5,277.8	11.47	155.57	5,192.7	-795.8	353.3	870.7	0.69	0.12	3.44	
C-1-9-16 TGT										
5,296.0	11.49	156.19	5,210.4	-799.1	354.8	874.3	0.69	0.14	3.40	
5,387.0	12.26	156.43	5,299.5	-816.3	362.3	893.0	0.85	0.85	0.26	
5,477.0	12.84	158.07	5,387.4	-834.3	369.8	912.6	0.76	0.64	1.82	
5,568.0	13.45	155.64	5,476.0	-853.3	378.0	933.3	0.90	0.67	-2.67	
5,658.0	12.61	157.81	5,563.6	-872.0	386.0	953.6	1.08	-0.93	2.41	
5,749.0	11.10	160.80	5,652.7	-889.4	392.6	972.2	1.79	-1.66	3.29	
5,840.0	11.40	158.90	5,742.0	-906.1	398.8	989.9	0.52	0.33	-2.09	
5,930.0	10.90	161.30	5,830.3	-922.4	404.7	1,007.3	0.76	-0.56	2.67	
6,021.0	10.80	158.70	5,919.6	-938.5	410.5	1,024.4	0.55	-0.11	-2.86	
6,112.0	10.70	155.70	6,009.0	-954.2	417.1	1,041.4	0.62	-0.11	-3.30	
6,202.0	9.60	155.70	6,097.6	-968.6	423.6	1,057.2	1.22	-1.22	0.00	
6,250.0	9.32	157.75	6,145.0	-975.9	426.8	1,065.1	0.91	-0.58	4.27	
6,300.0	9.32	157.75	6,194.3	-983.4	429.8	1,073.2	0.00	0.00	0.00	

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
C-1-9-16 TGT	0.00	0.00	5,200.0	-762.8	338.2	7,196,378.66	2,041,248.97	40° 4' 1.601 N	110° 4' 3.690 W
- hit/miss target									
- Shape									
- actual wellpath misses by 37.0ft at 5277.8ft MD (5192.7 TVD, -795.8 N, 353.3 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____



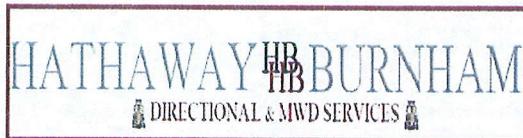
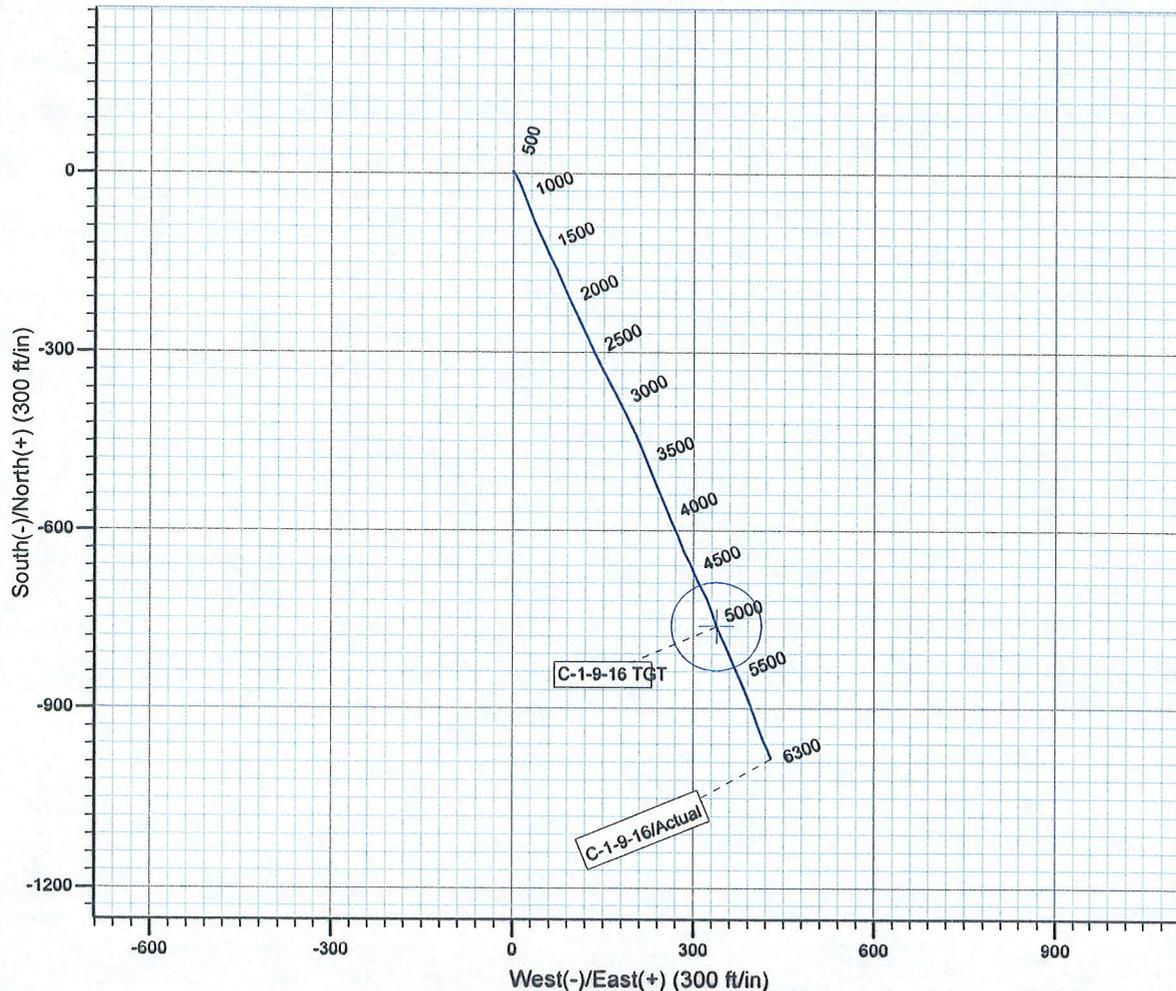
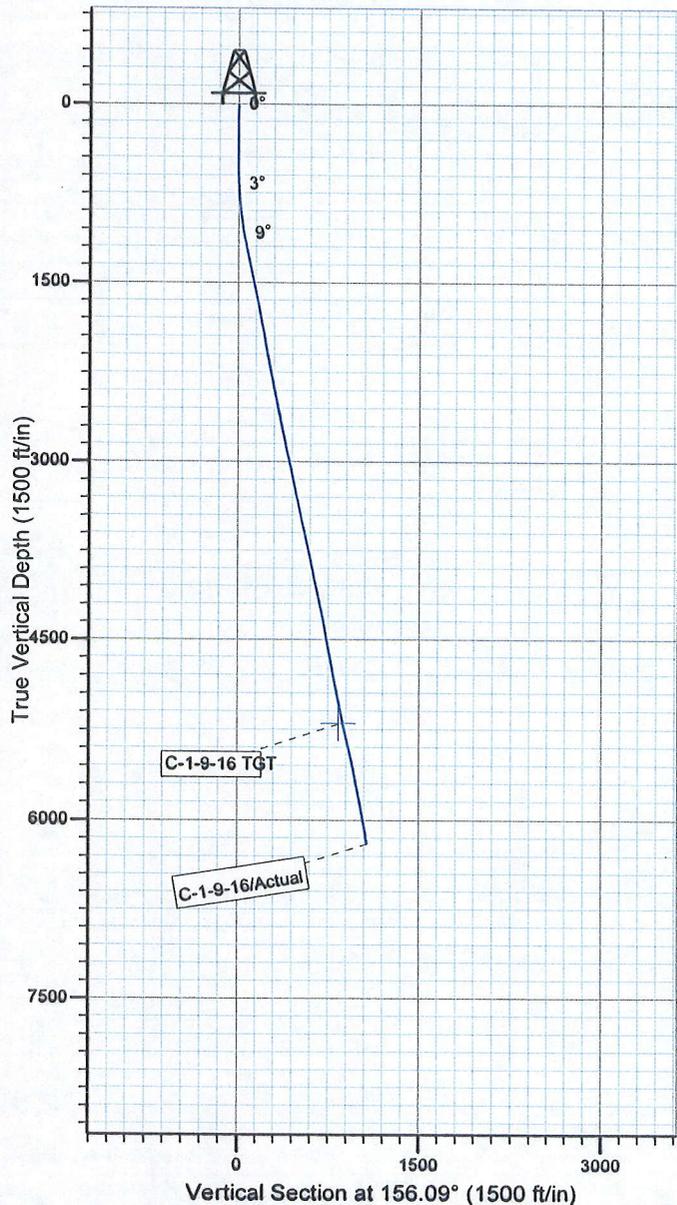
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: C-1-9-16
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.52°

Magnetic Field
 Strength: 52483.8snT
 Dip Angle: 65.87°
 Date: 2009/09/27
 Model: IGRF200510



Design: Actual (C-1-9-16/Wellbore #1)
 Created By: *Tom Hudson* Date: 20:01, July 15 2010
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

MON BUTTE C-1-9-16**5/1/2010 To 9/30/2010****MON BUTTE C-1-9-16****Waiting on Cement****Date:** 7/2/2010

Ross #21 at 315. Days Since Spud - Cello flake returned 4 bbls to pit - On 6/28/10 Cemented 85/8" casing w/ 160 sks mixed @ 15.8 ppg & 1.17 yeild Class G+2%CaCl+.25#sk - On 6/25/10 ran 85/8" surface casing (Guide shoe shoe jt baffle plate, 6 jts set @ 315.59' - Ross Rig # 21 spud the Greater Monumont Butte C-1-9-16 @ 12:00 PM TD 315' - BLM & State was noti

Daily Cost: \$0**Cumulative Cost:** \$45,708**MON BUTTE C-1-9-16****Drill 7 7/8" hole with fresh water****Date:** 7/3/2010

Capstar #328 at 1723. 1 Days Since Spud - Nipple up bops - Move rig w/ Howcroft Trucking .25 miles & RU on the Greater Monumont Butte C-1-9-16 on 7/2/10 - Rig down on the GMB T-36-8-16 - Accept rig @ 1:30 PM on 7/2/10 Held saftey mtg w/ B&C Quick test Test pipe rams inside valves & work - & Upper kelly valve & Floor valve tested to 2000#s for 10 min & Casing to 1500#s for 30 min - PU BHA Smith MI 616 PDC, Dog sub, 6.5 4.8 stg 7/8 lob .33 Hunting MM, NMDC, Gap sub, Ant sub, NMDC, - 25-4.5" HWDP & Tag Cmt @ 260' - Drill 77/8" hole f/ 260' to 1723' WOB 10/20 RPMS= 184 GPM= 409 ROP= 154' pr hr - on check valve on kill line & Test Blind rams & out side valves & Tighten up bolts on btm flange

Daily Cost: \$0**Cumulative Cost:** \$118,847**MON BUTTE C-1-9-16****Drill 7 7/8" hole with fresh water****Date:** 7/4/2010

Capstar #328 at 4667. 2 Days Since Spud - Rig serv - Drill 77/8" hole f/ 1723' to 2220' WOB 18/20 RPMS= 184 GPM= 409 ROP= 248' pr hr - Drill 77/8" hole f/ 2220' to 4667' WOB 18/20 RPMS= 184 GPM= 409 ROP= 113.8' pr hr

Daily Cost: \$0**Cumulative Cost:** \$139,526**MON BUTTE C-1-9-16****Drill 7 7/8" hole with fresh water****Date:** 7/5/2010

Capstar #328 at 5754. 3 Days Since Spud - TOO H to 4000' - Check flow well was flowing 25 gpm - Wait on MWD hand to resync tool EM tool not responding - Drill 77/8" hole f/ 4667' to 4758' WOB 20/23 RPMS= 184 GPM= 409 ROP= 91' pr hr - Wait on brine wtr - Drill 77/8" hole f/ 4758' to 5754' WOB 20/23 RPMS= 184 GPM= 409 ROP= 76.6' pr hr - TIH - TOO H f/ EM tool - Pump 320 bbls of brine wtr

Daily Cost: \$0**Cumulative Cost:** \$160,540**MON BUTTE C-1-9-16****Circulate & Condition Hole****Date:** 7/6/2010

Capstar #328 at 6300. 4 Days Since Spud - o the Greater Monument Butte F-1-9-16 - Circ with rig pump - Test 5.5 casing rams - Compensated Neutron Gamma Ray - Held saftey mtg with Phoenix Survey Inc & Log well with Duel Guard Gamma Ray & Compensated Density -

LDDP & BHA - Pump 320 bbls of brine wtr & pump a pill - LDDP to 4000' - Circ & Cond - Drill 77/8" hole f/5754' to 6300' WOB 23 RPMS= 184 GPM= 409 ROP= 91' pr hr - RU & Run 144 jts 5.5" J55 15.5 LTC Shoe @ 6289.25' Float collar 6242.46' 3 jts will be transferred t

Daily Cost: \$0

Cumulative Cost: \$283,746

MON BUTTE C-1-9-16

Rigging down

Date: 7/7/2010

Capstar #328 at 6300. 5 Days Since Spud - Clean mud pits - Held safety mtg with BJ & RU & cement w/ 251 sks of lead cmt mixed @ 11 ppg 3.53 yeild PLII+3%KCL+5# -

CSE+0.5#CF+2#KOL+.5SMS+FP+SF & 400 sks of tail cmt mixed @ 14.4 ppg & 1.24 yeild

50:50:2+3%KCL - +0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Disp 148 bbls returned

25bbls cmt to pit - Nipple down & set 5.5 casing slips w/ 95,000#s - Release rig @ 1:00 PM

on 7/6/10 **Finalized**

Daily Cost: \$0

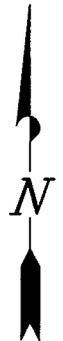
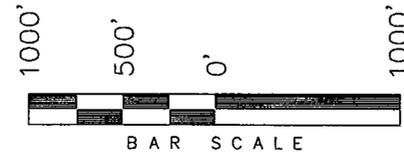
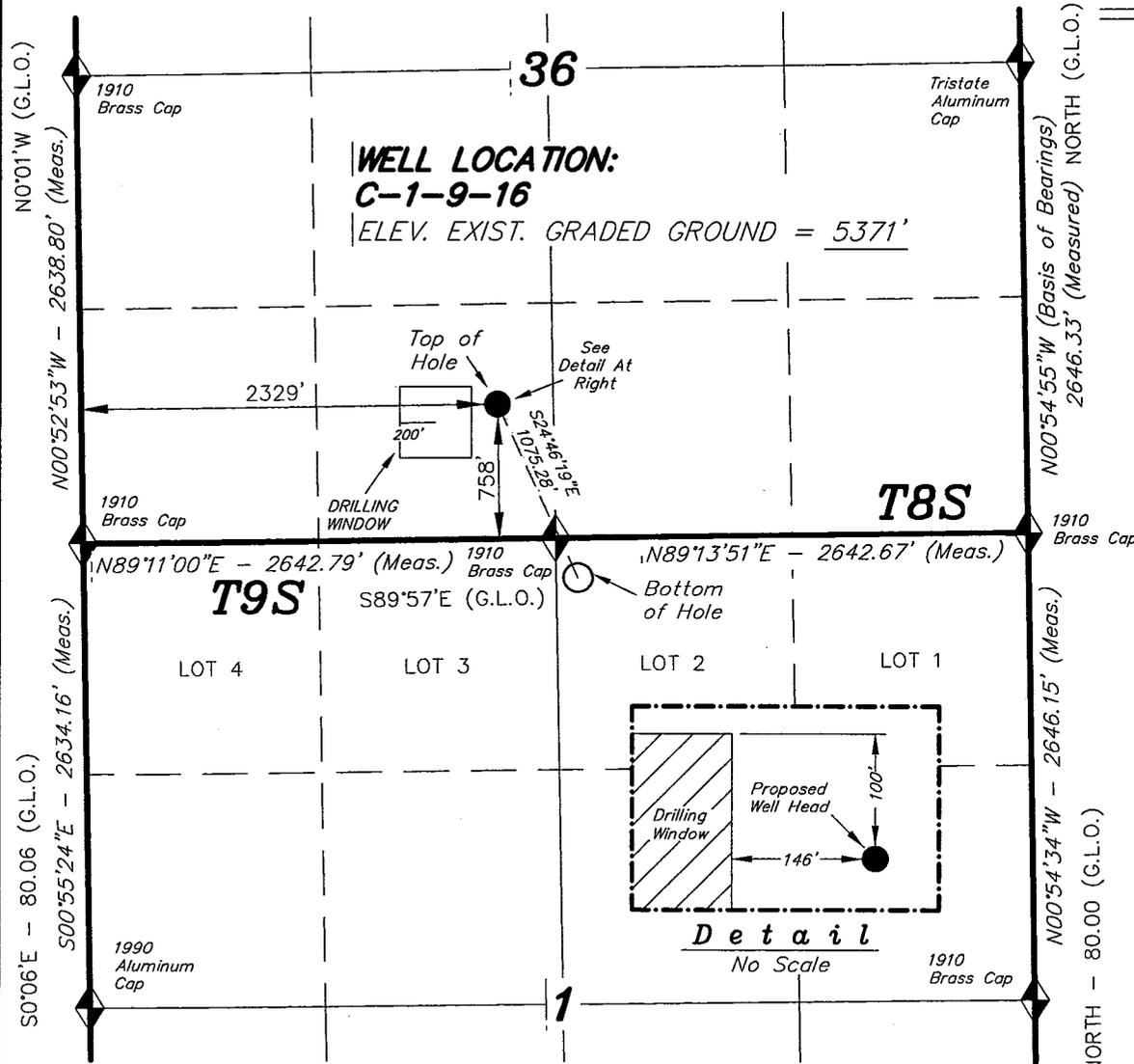
Cumulative Cost: \$312,579

Pertinent Files: Go to File List

R16 E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

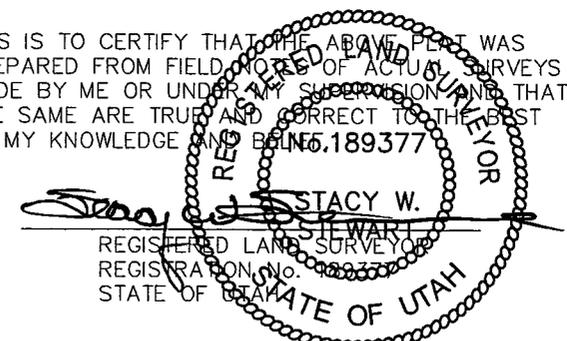
WELL LOCATION, C-1-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

- The bottom of hole footages are 225' FNL & 2521' FEL of Sec. 1, T9S, R16E.

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: 08-28-09	SURVEYED BY: T.P.
DATE DRAWN: 09-01-09	DRAWN BY: F.T.M.
REVISED: 07-21-10 - M.W.	SCALE: 1" = 1000'

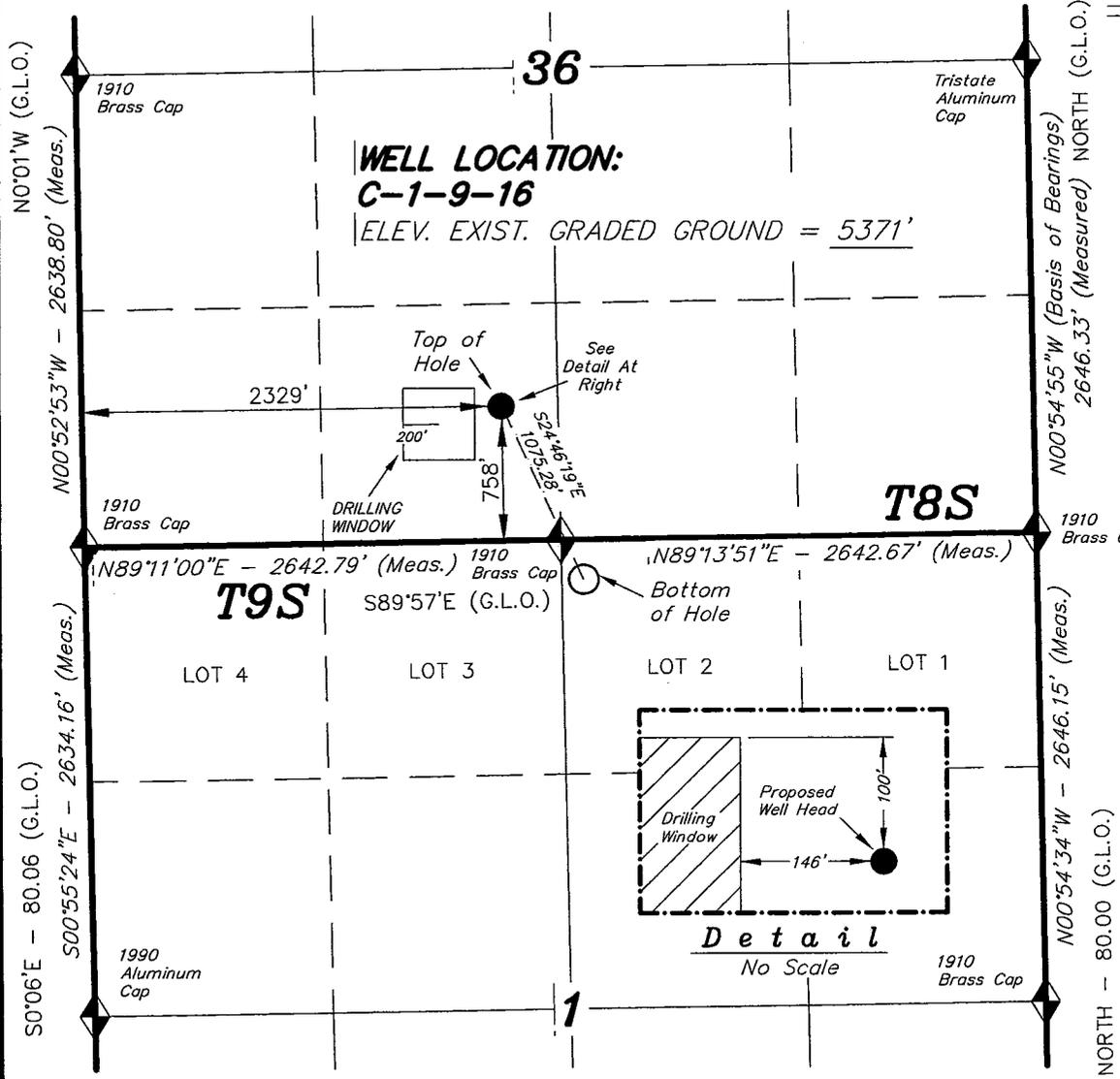
◆ = SECTION CORNERS LOCATED

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

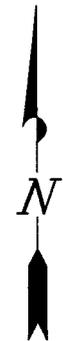
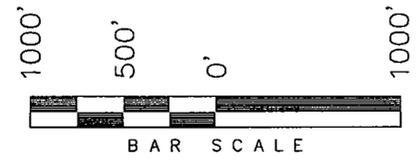
C-1-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 09.14"
 LONGITUDE = 110° 04' 08.04"

R16 E, S. L. B. & M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, C-1-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B. & M. DUCHESNE COUNTY, UTAH.



Note:
1. The bottom of hole footages are 225' FNL & 2521' FEL of Sec. 1, T9S, R16E.

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.

REGISTERED LAND SURVEYOR
STACY W. STEWART
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

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

C-1-9-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 09.14"
LONGITUDE = 110° 04' 08.04"

TRI STATE LAND SURVEYING & CONSULTING 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-28-09	SURVEYED BY: T.P.
DATE DRAWN: 09-01-09	DRAWN BY: F.T.M.
REVISED: 07-21-10 - M.W.	SCALE: 1" = 1000'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. Greater Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Greater Monument Butte C-1-9-16
2. Name of Operator Newfield Production Company		9. API Well No. 43-013-50210
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	10. Field and Pool, or Exploratory Monument Butte
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/SW 758' FSL 2329' FWL Sec. 36, T8S R16E (ML-22061) At proposed prod. zone NW/NE (LOT 2) 225' FNL 2521' FEL Sec. 1, T9S R16E (UTU-33992)		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 36, T8S R16E
14. Distance in miles and direction from nearest town or post office* Approximately 13.0 miles south of Myton, UT		12. County or Parish Duchesne
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 225' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)		13. State UT
16. No. of acres in lease 120.06	17. Spacing Unit dedicated to this well 20 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1000'	19. Proposed Depth 6,300'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5371' GL	22. Approximate date work will start* NA	23. Estimated duration (7) days from SPUD to rig release

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/23/10
Title Regulatory Specialist		
Approved by (Signature) 	Name James H. Sparger	Date JAN 18 2011
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

(Continued on page 2)

*(Instructions on page 2)

RECEIVED
JAN 26 2011
NOS APD posted 7/28/10
DIV. OF OIL, GAS & MINING AFMSS# IDCX50054A

RECEIVED
JUL 26 2010
NOTICE OF APPROVAL

UDOGM

BLM VERNAL, UTAH

No NOS



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	SESW, Sec. 36, T8S, R16E
Well No:	Greater Monument Butte C-1-9-16	Lease No:	UTU-33992
API No:	43-013-50210	Agreement:	Greater Monument Butte (GR)

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Construction and drilling is not allowed from March 1 – July 15 to minimize impacts during ferruginous hawk nesting, per request of the Utah Division of Wildlife Resources.
- A double synthetic liner with a minimum thickness of 16 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.
- The well site shall be bermed to prevent fluids from leaving the pad.
- The reserve pit shall be fenced upon completion of drilling operations.
- Any deviation from submitted APD's and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- None.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22061	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: GREATER MON BUTTE C-1-9-16	
9. API NUMBER: 43013502100000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0758 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 36 Township: 08.0S Range: 16.0E Meridian: S	
COUNTY: DUCHESNE	
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/17/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input 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 checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield proposes to perforate and fracture treat the following: D1 Sand 4870-4896 The new perms will be within the current Green River Formation.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: March 18, 2014

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 3/17/2014	