

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Monument Butte East State B-36-8-16		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT MONUMENT BUTTE		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)		
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY				7. OPERATOR PHONE 435 646-4825		
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052				9. OPERATOR E-MAIL mcrozier@newfield.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-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	603 FNL 1995 FEL	NWNE	36	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	40 FNL 1280 FEL	NENE	36	8.0 S	16.0 E	S
At Total Depth	40 FNL 1280 FEL	NENE	36	8.0 S	16.0 E	S
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 40		23. NUMBER OF ACRES IN DRILLING UNIT 20		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1240		26. PROPOSED DEPTH MD: 6444 TVD: 6444		
27. ELEVATION - GROUND LEVEL 5351		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 08/17/2009	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013501070000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6444		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6444	15.5			

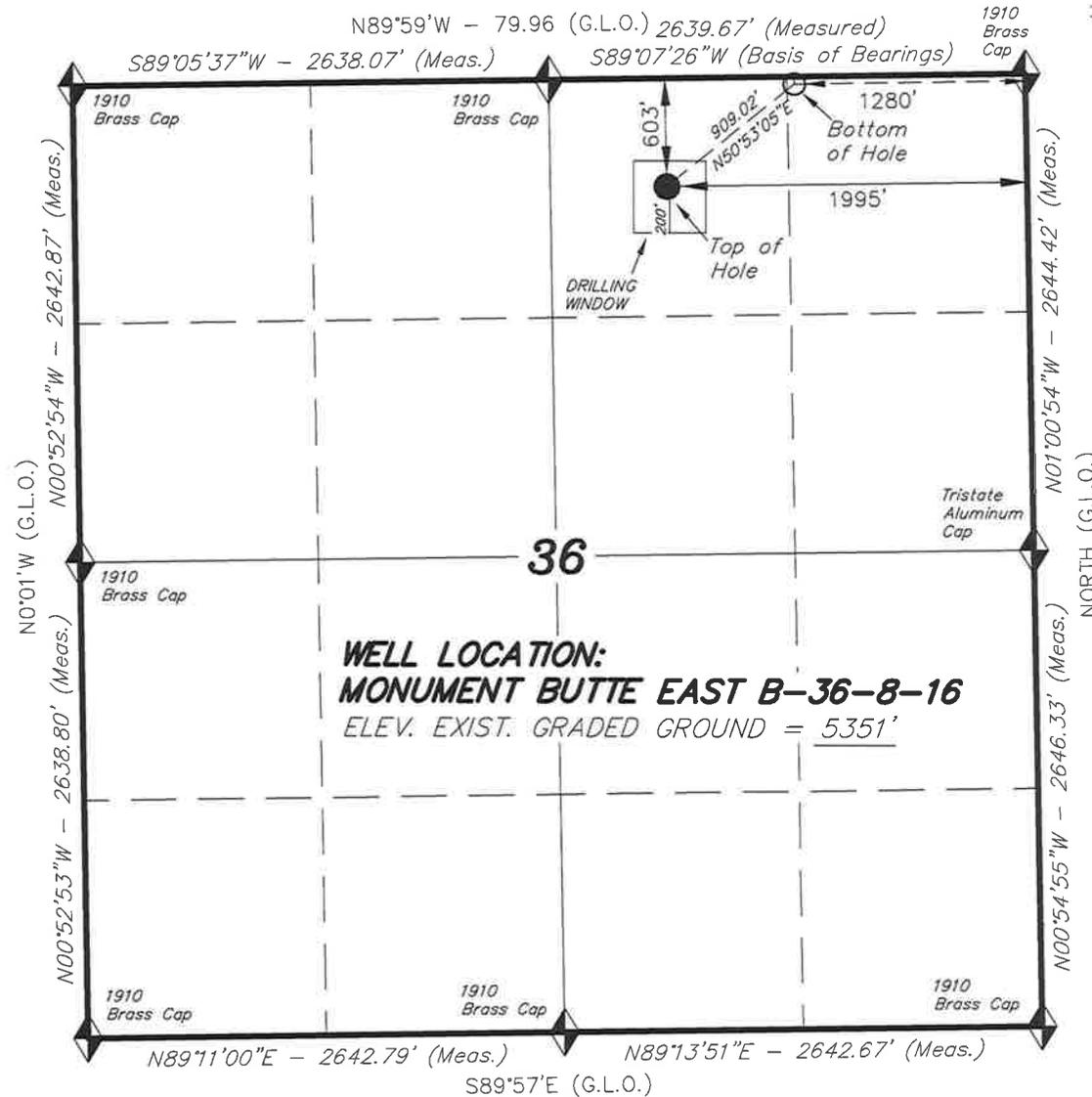
Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	400		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	400	24.0			

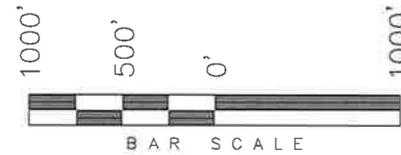
T8S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, MONUMENT BUTTE EAST B-36-8-16, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



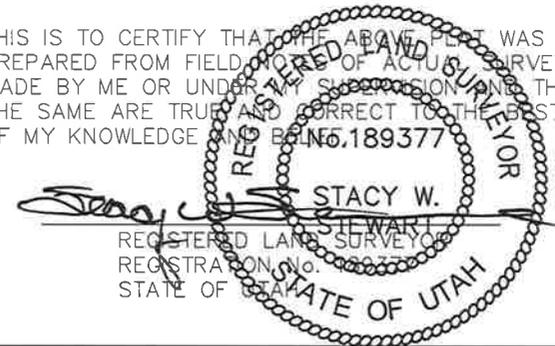
WELL LOCATION:
MONUMENT BUTTE EAST B-36-8-16
 ELEV. EXIST. GRADED GROUND = 5351'



Note:

- The bottom of hole footages are 40' FNL & 1280' FEL.

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



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

DATE SURVEYED: 06-16-09	SURVEYED BY: T.H.
DATE DRAWN: 06-29-09	DRAWN BY: F.T.M.
REVISED:	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'

MONUMENT BUTTE EAST B-36-8-16
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 47.91"
 LONGITUDE = 110° 03' 55.73"



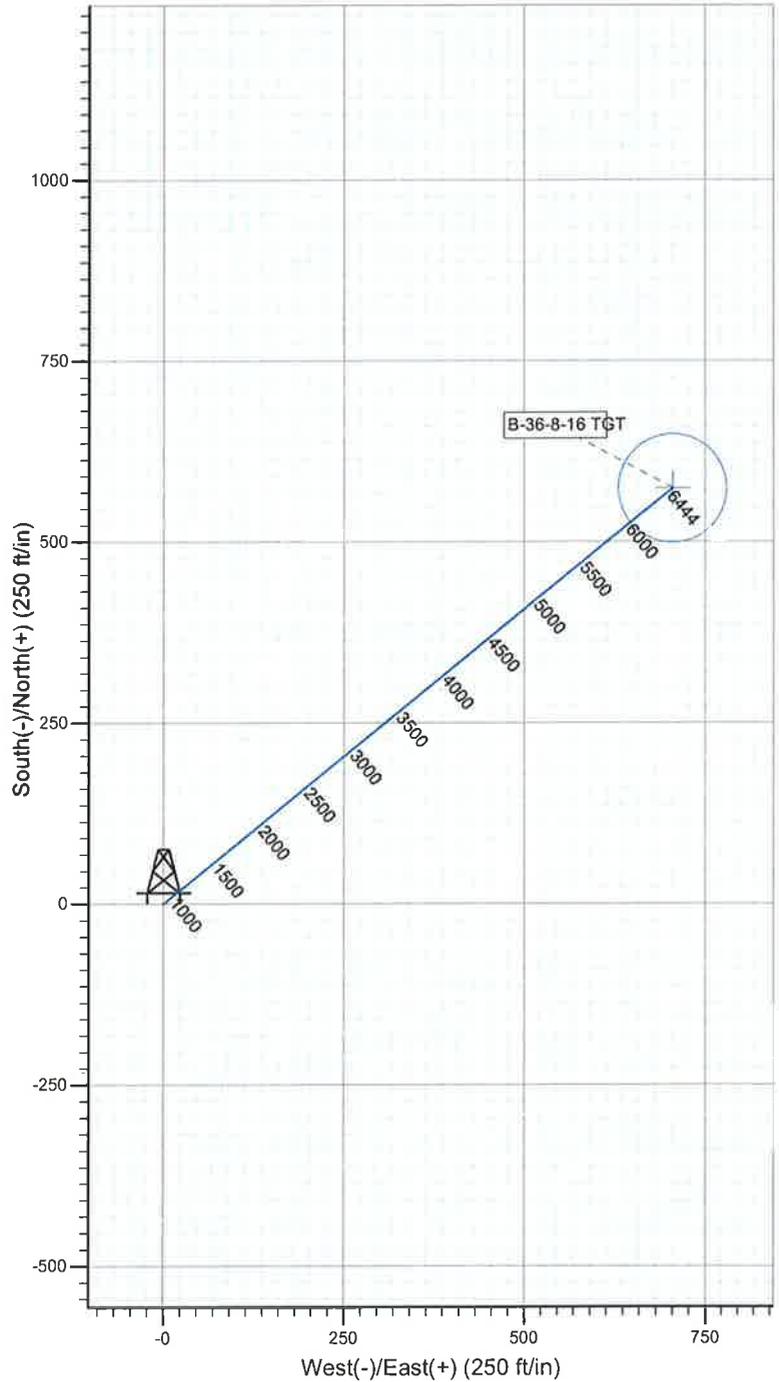
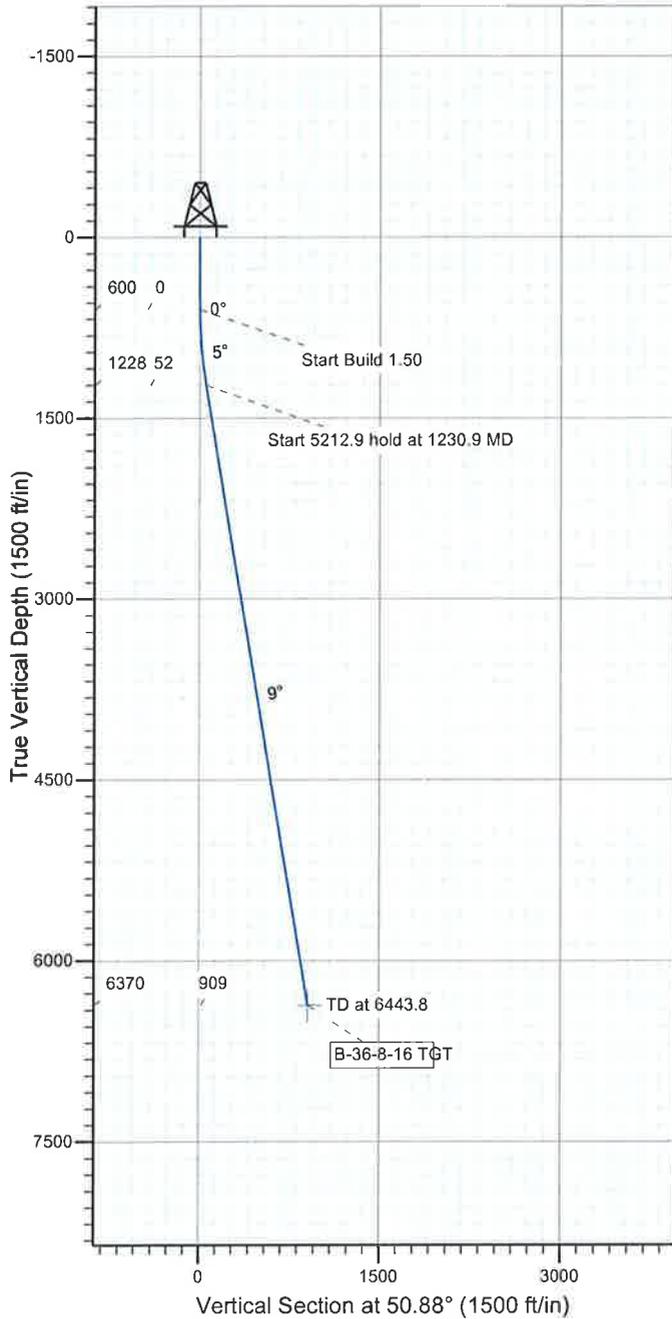
Project: USGS Myton SW (UT)
 Site: SECTION 36
 Well: B-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.55°

Magnetic Field
 Strength: 52509.2snT
 Dip Angle: 65.88°
 Date: 2009/07/16
 Model: IGRF200510

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



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
B-36-8-16 TGT	6370.0	573.5	705.2	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	1230.9	9.46	50.88	1228.0	32.8	40.3	1.50	50.88	52.0	
4	6443.8	9.46	50.88	6370.0	573.5	705.2	0.00	0.00	909.0	B-36-8-16 TGT



NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 36

B-36-8-16

Wellbore #1

Plan: Design #1

Standard Planning Report

16 July, 2009

HATHAWAY  **BURNHAM**
 **DIRECTIONAL & MWD SERVICES** 



HATHAWAY BURNHAM
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well B-36-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	B-36-8-16 @ 5363.0ft
Project:	USGS Myton SW (UT)	MD Reference:	B-36-8-16 @ 5363.0ft
Site:	SECTION 36	North Reference:	True
Well:	B-36-8-16	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, SEC 26 T8S, R16E				
Site Position:		Northing:	7,202,697.00 ft	Latitude:	40° 5' 3.401 N
From:	Lat/Long	Easting:	2,045,250.00 ft	Longitude:	110° 3' 10.915 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.93 °

Well	B-36-8-16, SHL LAT 40 04 47.91, LONG -110 03 55.73					
Well Position	+N/-S	-1,567.9 ft	Northing:	7,201,073.63 ft	Latitude:	40° 4' 47.910 N
	+E/-W	-3,483.4 ft	Easting:	2,041,792.53 ft	Longitude:	110° 3' 55.730 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,337.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/07/16	11.55	65.88	52,509

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 (°)	
	6,370.0	0.0	0.0	50.88	

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	
1,230.9	9.46	50.88	1,228.0	32.8	40.3	1.50	1.50	0.00	50.88	
6,443.8	9.46	50.88	6,370.0	573.5	705.2	0.00	0.00	0.00	0.00	B-36-8-16 TGT



HATHAWAY BURNHAM
Planning Report



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Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36
Well: B-36-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well B-36-8-16
TVD Reference: B-36-8-16 @ 5363.0ft
MD Reference: B-36-8-16 @ 5363.0ft
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	50.88	700.0	0.8	1.0	1.3	1.50	1.50	0.00
800.0	3.00	50.88	799.9	3.3	4.1	5.2	1.50	1.50	0.00
900.0	4.50	50.88	899.7	7.4	9.1	11.8	1.50	1.50	0.00
1,000.0	6.00	50.88	999.3	13.2	16.2	20.9	1.50	1.50	0.00
1,100.0	7.50	50.88	1,098.6	20.6	25.4	32.7	1.50	1.50	0.00
1,200.0	9.00	50.88	1,197.5	29.7	36.5	47.0	1.50	1.50	0.00
1,230.9	9.46	50.88	1,228.0	32.8	40.3	52.0	1.50	1.50	0.00
1,300.0	9.46	50.88	1,296.2	40.0	49.1	63.3	0.00	0.00	0.00
1,400.0	9.46	50.88	1,394.8	50.3	61.9	79.8	0.00	0.00	0.00
1,500.0	9.46	50.88	1,493.5	60.7	74.7	96.2	0.00	0.00	0.00
1,600.0	9.46	50.88	1,592.1	71.1	87.4	112.7	0.00	0.00	0.00
1,700.0	9.46	50.88	1,690.8	81.5	100.2	129.1	0.00	0.00	0.00
1,800.0	9.46	50.88	1,789.4	91.8	112.9	145.5	0.00	0.00	0.00
1,900.0	9.46	50.88	1,888.0	102.2	125.7	162.0	0.00	0.00	0.00
2,000.0	9.46	50.88	1,986.7	112.6	138.4	178.4	0.00	0.00	0.00
2,100.0	9.46	50.88	2,085.3	123.0	151.2	194.9	0.00	0.00	0.00
2,200.0	9.46	50.88	2,183.9	133.3	163.9	211.3	0.00	0.00	0.00
2,300.0	9.46	50.88	2,282.6	143.7	176.7	227.8	0.00	0.00	0.00
2,400.0	9.46	50.88	2,381.2	154.1	189.5	244.2	0.00	0.00	0.00
2,500.0	9.46	50.88	2,479.9	164.4	202.2	260.6	0.00	0.00	0.00
2,600.0	9.46	50.88	2,578.5	174.8	215.0	277.1	0.00	0.00	0.00
2,700.0	9.46	50.88	2,677.1	185.2	227.7	293.5	0.00	0.00	0.00
2,800.0	9.46	50.88	2,775.8	195.6	240.5	310.0	0.00	0.00	0.00
2,900.0	9.46	50.88	2,874.4	205.9	253.2	326.4	0.00	0.00	0.00
3,000.0	9.46	50.88	2,973.1	216.3	266.0	342.8	0.00	0.00	0.00
3,100.0	9.46	50.88	3,071.7	226.7	278.7	359.3	0.00	0.00	0.00
3,200.0	9.46	50.88	3,170.3	237.1	291.5	375.7	0.00	0.00	0.00
3,300.0	9.46	50.88	3,269.0	247.4	304.2	392.2	0.00	0.00	0.00
3,400.0	9.46	50.88	3,367.6	257.8	317.0	408.6	0.00	0.00	0.00
3,500.0	9.46	50.88	3,466.3	268.2	329.8	425.0	0.00	0.00	0.00
3,600.0	9.46	50.88	3,564.9	278.6	342.5	441.5	0.00	0.00	0.00
3,700.0	9.46	50.88	3,663.5	288.9	355.3	457.9	0.00	0.00	0.00
3,800.0	9.46	50.88	3,762.2	299.3	368.0	474.4	0.00	0.00	0.00
3,900.0	9.46	50.88	3,860.8	309.7	380.8	490.8	0.00	0.00	0.00
4,000.0	9.46	50.88	3,959.5	320.0	393.5	507.2	0.00	0.00	0.00
4,100.0	9.46	50.88	4,058.1	330.4	406.3	523.7	0.00	0.00	0.00
4,200.0	9.46	50.88	4,156.7	340.8	419.0	540.1	0.00	0.00	0.00
4,300.0	9.46	50.88	4,255.4	351.2	431.8	556.6	0.00	0.00	0.00
4,400.0	9.46	50.88	4,354.0	361.5	444.6	573.0	0.00	0.00	0.00
4,500.0	9.46	50.88	4,452.7	371.9	457.3	589.4	0.00	0.00	0.00
4,600.0	9.46	50.88	4,551.3	382.3	470.1	605.9	0.00	0.00	0.00
4,700.0	9.46	50.88	4,649.9	392.7	482.8	622.3	0.00	0.00	0.00
4,800.0	9.46	50.88	4,748.6	403.0	495.6	638.8	0.00	0.00	0.00
4,900.0	9.46	50.88	4,847.2	413.4	508.3	655.2	0.00	0.00	0.00
5,000.0	9.46	50.88	4,945.8	423.8	521.1	671.6	0.00	0.00	0.00
5,100.0	9.46	50.88	5,044.5	434.1	533.8	688.1	0.00	0.00	0.00
5,200.0	9.46	50.88	5,143.1	444.5	546.6	704.5	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
Well: B-36-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well B-36-8-16
TVD Reference: B-36-8-16 @ 5363.0ft
MD Reference: B-36-8-16 @ 5363.0ft
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)
5,300.0	9.46	50.88	5,241.8	454.9	559.3	721.0	0.00	0.00	0.00
5,400.0	9.46	50.88	5,340.4	465.3	572.1	737.4	0.00	0.00	0.00
5,500.0	9.46	50.88	5,439.0	475.6	584.9	753.9	0.00	0.00	0.00
5,600.0	9.46	50.88	5,537.7	486.0	597.6	770.3	0.00	0.00	0.00
5,700.0	9.46	50.88	5,636.3	496.4	610.4	786.7	0.00	0.00	0.00
5,800.0	9.46	50.88	5,735.0	506.8	623.1	803.2	0.00	0.00	0.00
5,900.0	9.46	50.88	5,833.6	517.1	635.9	819.6	0.00	0.00	0.00
6,000.0	9.46	50.88	5,932.2	527.5	648.6	836.1	0.00	0.00	0.00
6,100.0	9.46	50.88	6,030.9	537.9	661.4	852.5	0.00	0.00	0.00
6,200.0	9.46	50.88	6,129.5	548.3	674.1	868.9	0.00	0.00	0.00
6,300.0	9.46	50.88	6,228.2	558.6	686.9	885.4	0.00	0.00	0.00
6,400.0	9.46	50.88	6,326.8	569.0	699.7	901.8	0.00	0.00	0.00
6,443.8	9.46	50.88	6,370.0	573.5	705.2	909.0	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
B-36-8-16 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	6,370.0	573.5	705.2	7,201,658.35	2,042,488.42	40° 4' 53.578 N	110° 3' 46.657 W

NEWFIELD PRODUCTION COMPANY
MONUMENT BUTTE EAST STATE B-36-8-16
AT SURFACE: NW/NE 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 – 1685'
Green River	1685'
Wasatch	6444'

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

Green River Formation 1685' – 6444' – 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)

PROPOSED CASING PROGRAM: :

a. Casing Design: Monument Butte East State B-36-8-16

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	400'	24.0	J-55	STC	2,950	1,370	244,000
						13.15	10.77	25.42
Prod casing 5-1/2"	0'	6,444'	15.5	J-55	LTC	4,810	4,040	217,000
						2.35	1.97	2.17

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Monument Butte East State B-36-8-16

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	400'	Class G w/ 2% CaCl	183	30%	15.8	1.17
			215			
Prod casing Lead	4,444'	Prem Lite II w/ 10% gel + 3% KCl	307	30%	11.0	3.26
			1001			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

- *Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

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

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

4. **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.

5. **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.

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

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

7. **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 @ 400' +/-, 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.

8. **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.

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

Ten Point Well Program &
Thirteen Point Well Program
Page 4 of 9

It is anticipated that the drilling operations will commence the fourth quarter of 2009, and take approximately seven (7) days from spud to rig release.

2-M SYSTEM

Blowout Prevention Equipment Systems

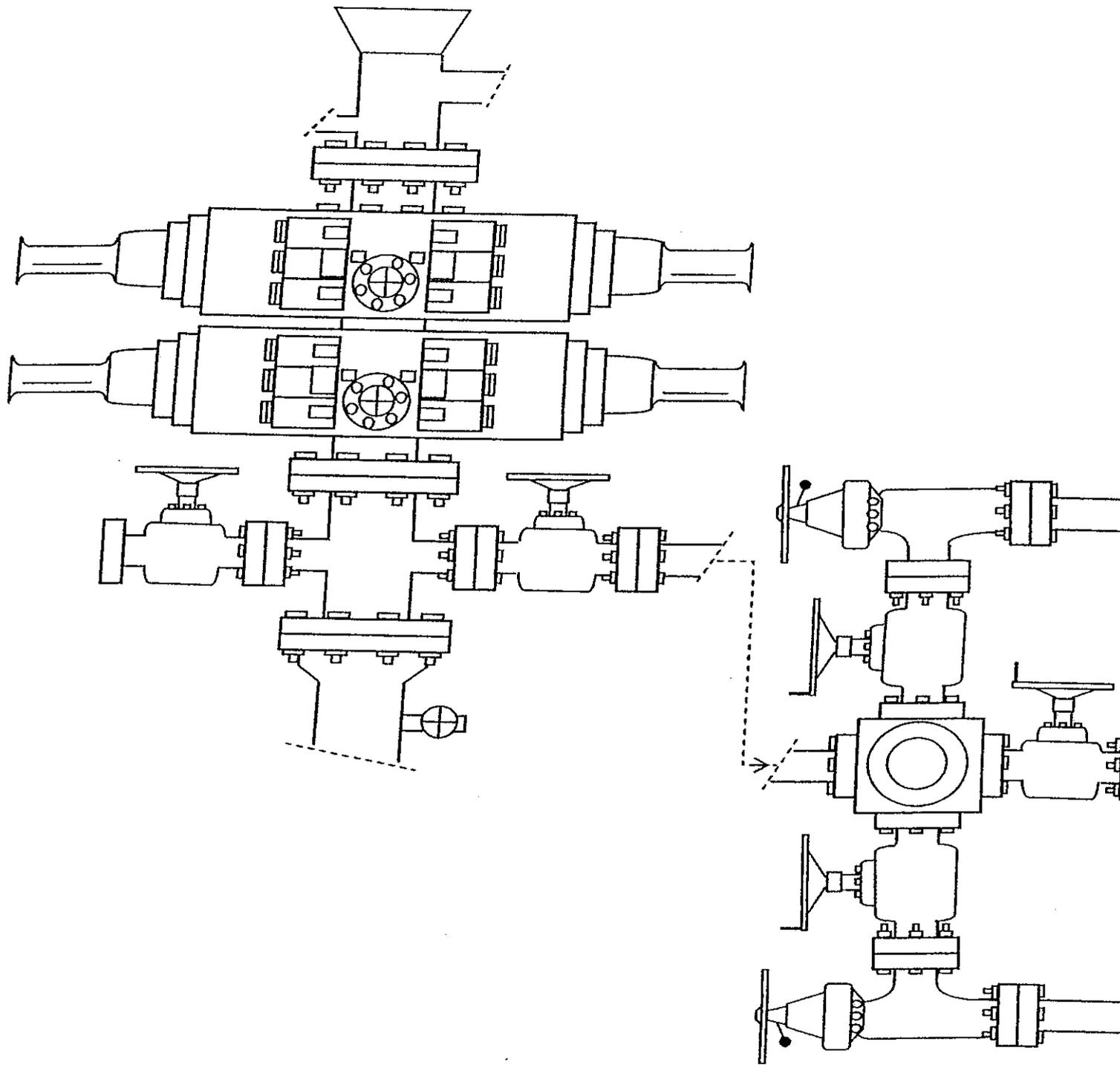
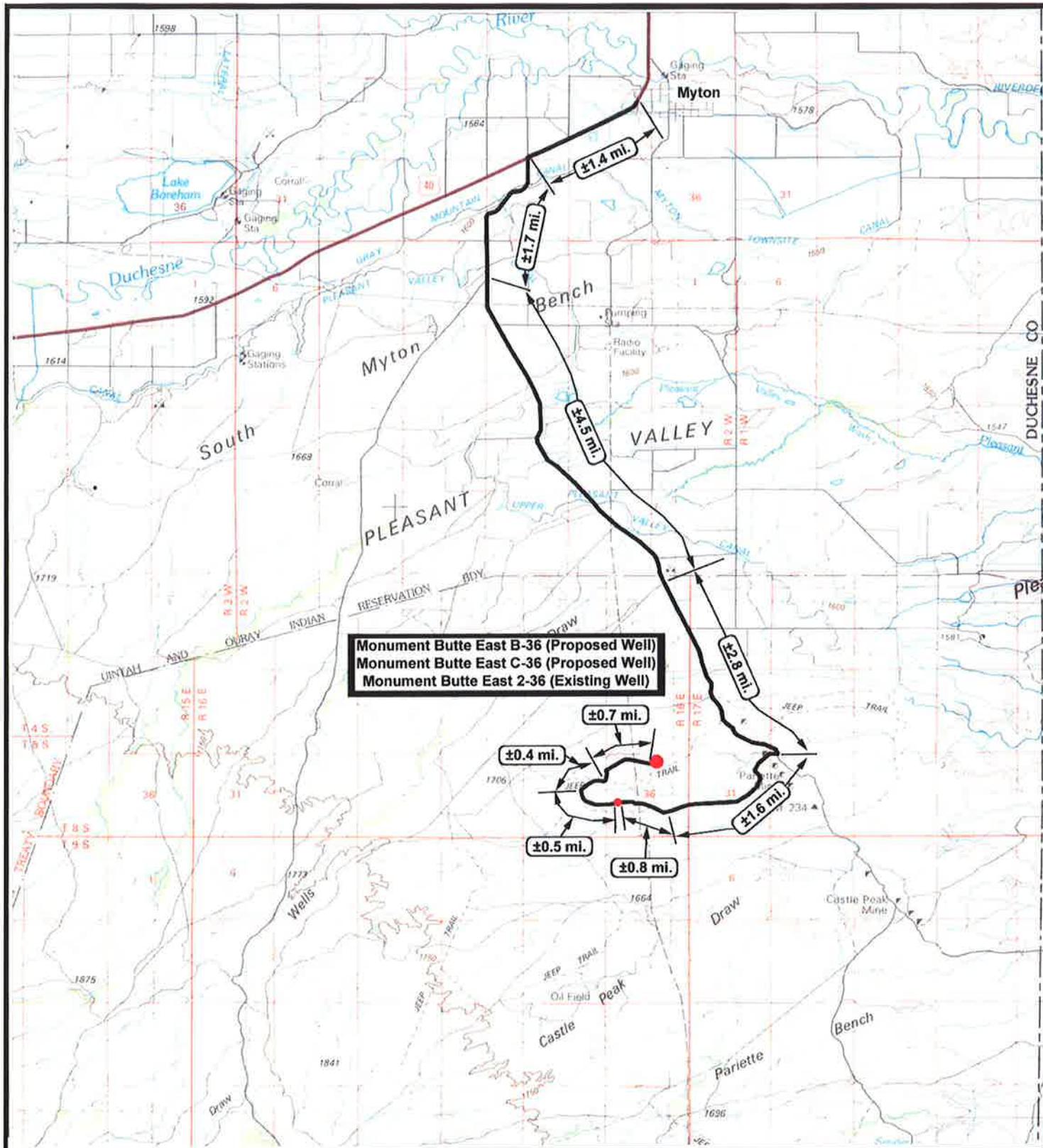


EXHIBIT C



Monument Butte East B-36 (Proposed Well)
Monument Butte East C-36 (Proposed Well)
Monument Butte East 2-36 (Existing Well)

NEWFIELD
Exploration Company

Monument Butte East B-36-8-16 (Proposed Well)
Monument Butte East C-36-8-16 (Proposed Well)
Monument Butte East 2-36-8-16 (Existing Well)
 Pad Location: NWNE SEC. 36, T8S, R16E, S.L.B.&M.



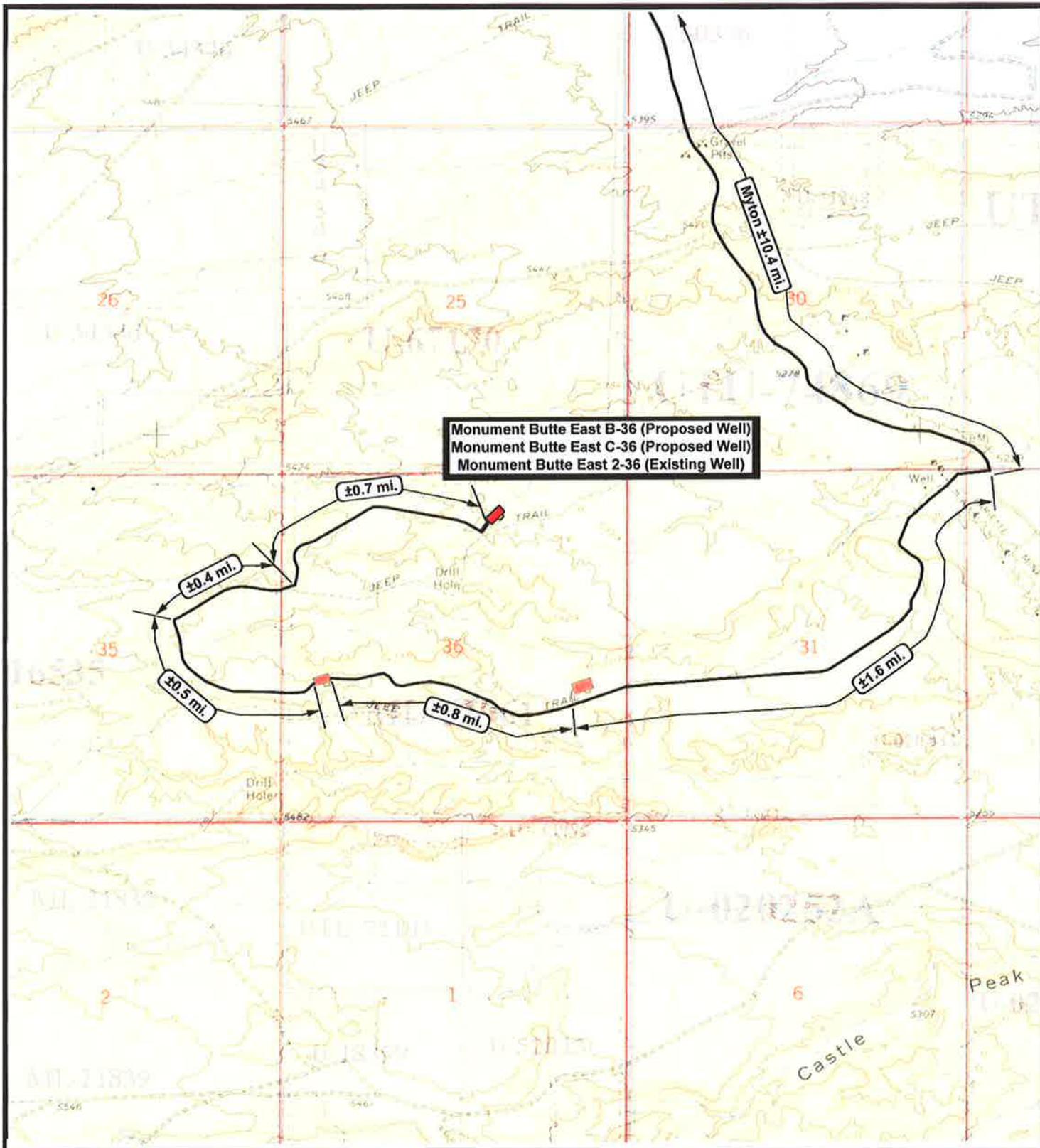
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: JAS
DATE: 06-26-2009

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Monument Butte East B-36-8-16 (Proposed Well)
Monument Butte East C-36-8-16 (Proposed Well)
Monument Butte East 2-36-8-16 (Existing Well)
 Pad Location: NWNE SEC. 36, T8S, R16E, S.L.B.&M.



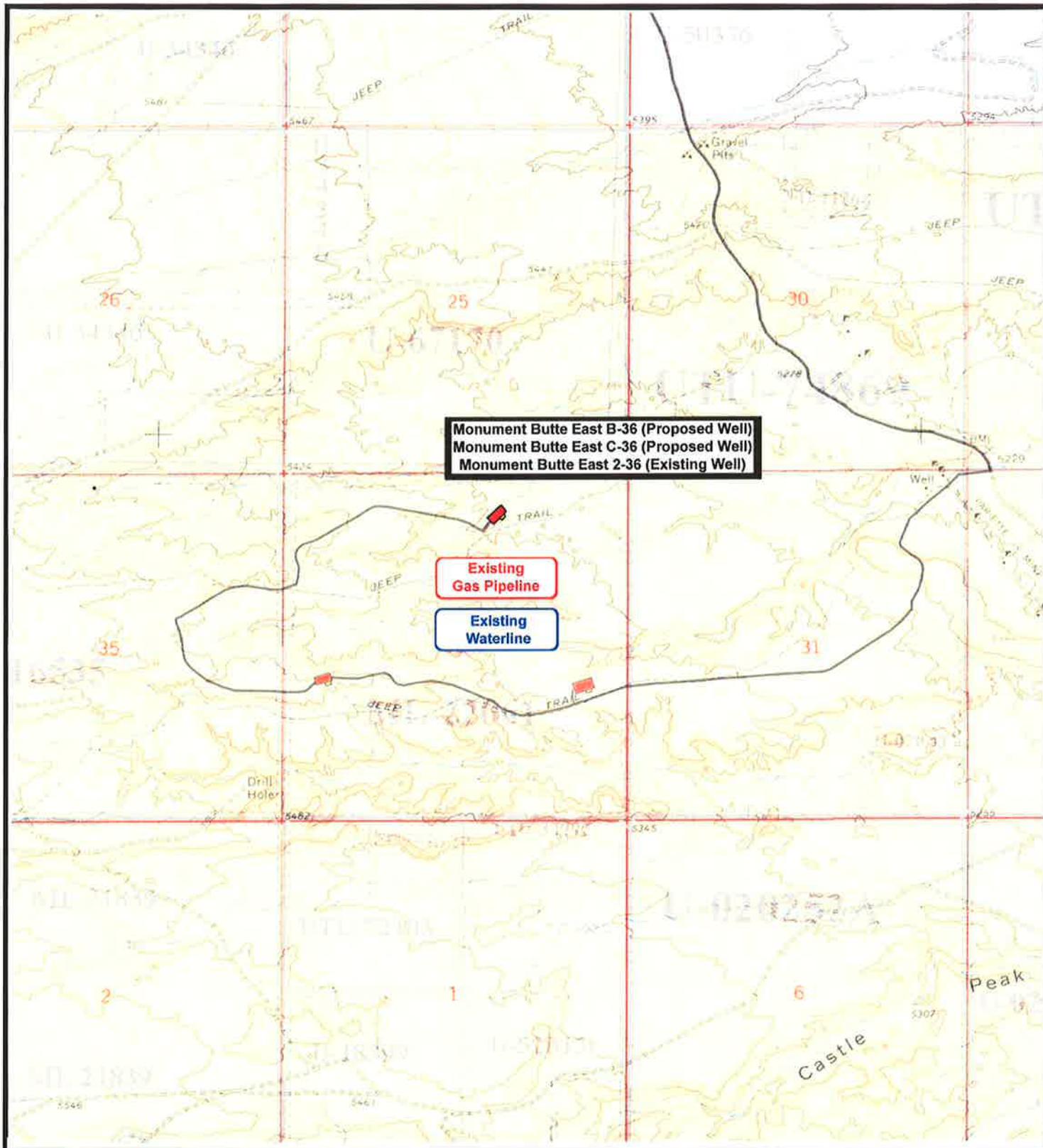
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-26-2009

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

Monument Butte East B-36-8-16 (Proposed Well)
Monument Butte East C-36-8-16 (Proposed Well)
Monument Butte East 2-36-8-16 (Existing Well)
 Pad Location: NWNE SEC. 36, T8S, R16E, S.L.B.&M.



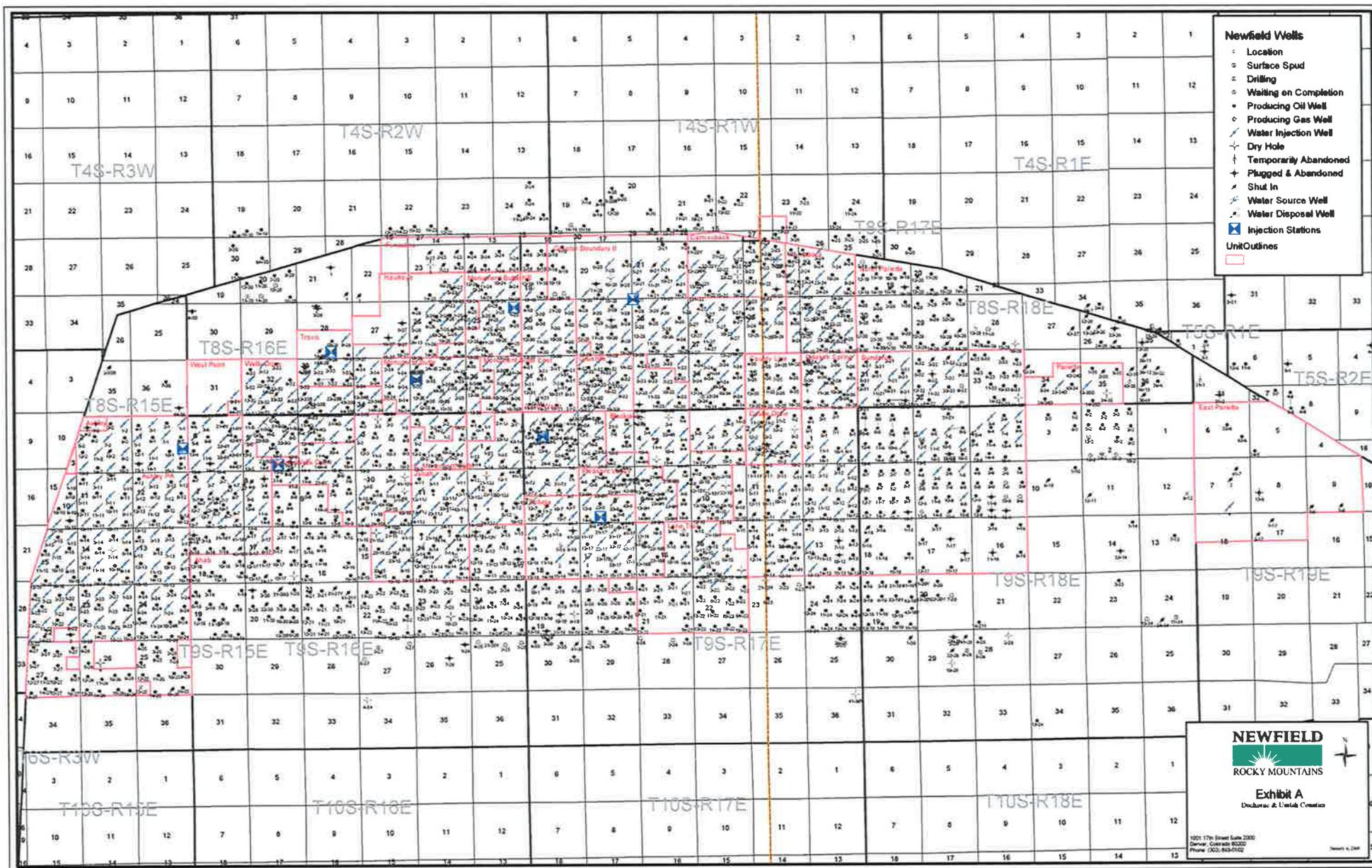
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

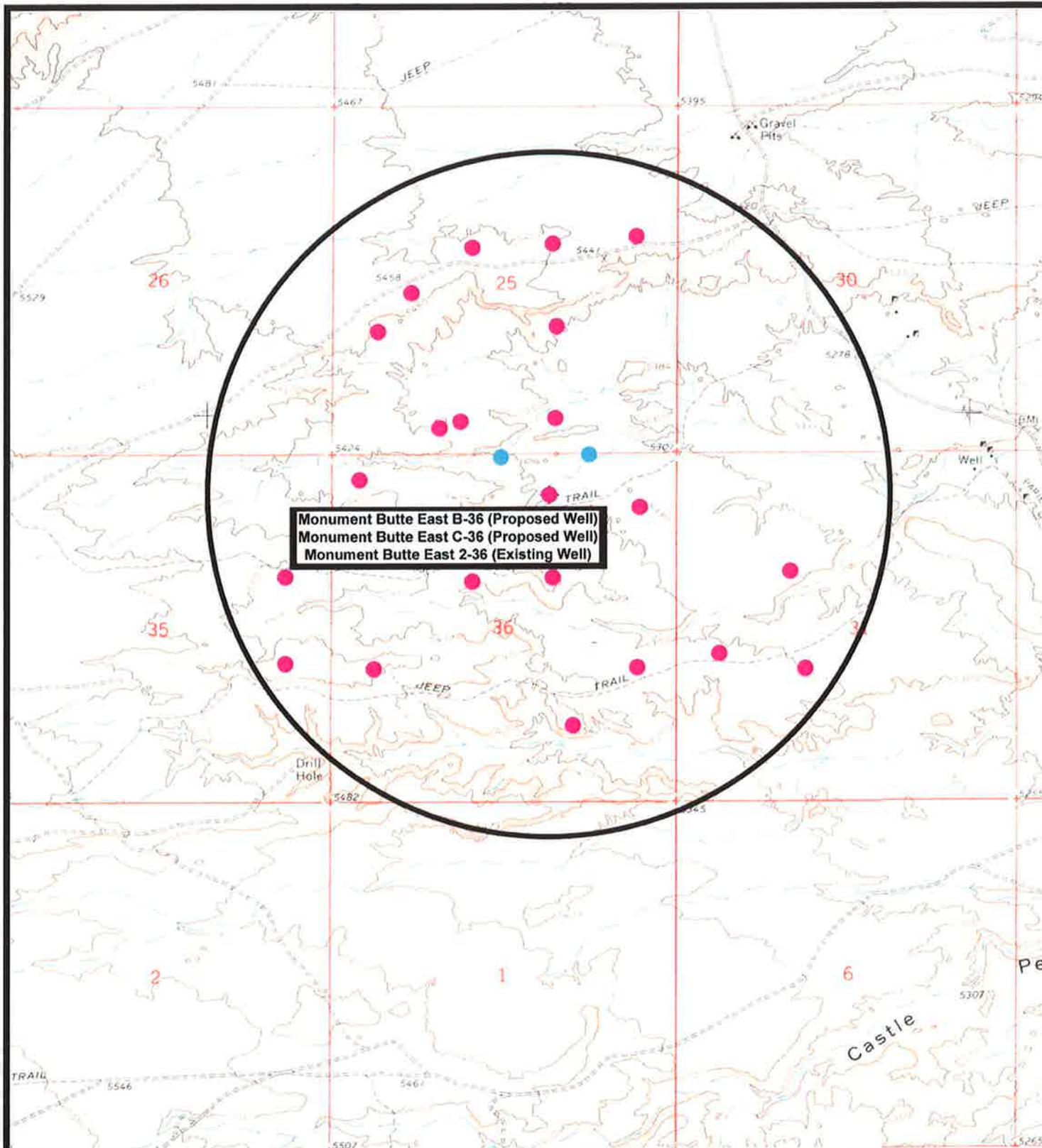
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-26-2009

Legend

— Roads

TOPOGRAPHIC MAP
"C"





Monument Butte East B-36-8-16 (Proposed Well)
Monument Butte East C-36-8-16 (Proposed Well)
Monument Butte East 2-36-8-16 (Existing Well)
 Pad Location: NWNE 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: JAS
DATE: 06-26-2009

Legend

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

Exhibit "B"

NEWFIELD PRODUCTION COMPANY
MONUMENT BUTTE EAST STATE B-36-8-16
AT SURFACE: NW/NE 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 Monument Butte East State B-36-8-16 located in the NW ¼ NE ¼ Section 36, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.0 miles ± to its junction with an existing road to the west; proceed southwesterly - 2.9 miles ± to its junction with an existing road to the northeast; proceed northeasterly - 1.1 miles to the existing 2-36-8-16 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 2-36-8-16 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 2-36-8-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed B-36-8-16.

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

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

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Carlsbad Canyon. 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 Monument Butte East State B-36-8-16 will be drilled off of the existing 2-36-8-16 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.

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 Monument Butte East State B-36-8-16, 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 Monument Butte East State B-36-8-16 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

Ten Point Well Program &
Thirteen Point Well Program
Page 8 of 8

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 #B-36-8-16, NW/NE 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.

8/17/09
Date _____


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

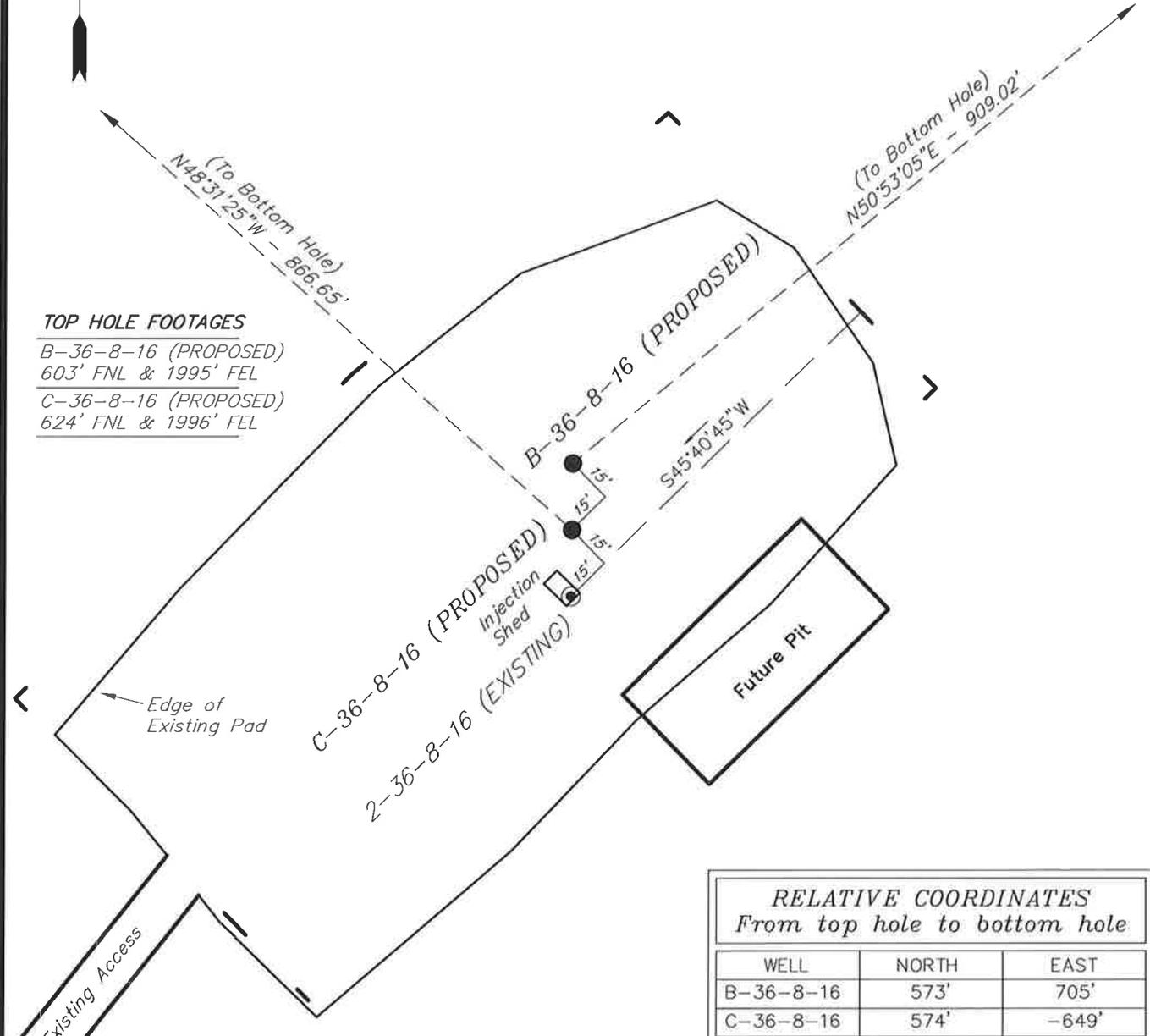
WELL PAD INTERFERENCE PLAT

MONUMENT BUTTE EAST B-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST C-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST 2-36-8-16 (Existing Well)
 Pad Location: NWNE Section 36, T8S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

B-36-8-16 (PROPOSED)
 603' FNL & 1995' FEL
 C-36-8-16 (PROPOSED)
 624' FNL & 1996' FEL



Edge of Existing Pad

Existing Access

BOTTOM HOLE FOOTAGES

B-36-8-16 (PROPOSED)
 40' FNL & 1280' FEL
 C-36-8-16 (PROPOSED)
 40' FNL & 2635' FEL

Note:
Bearings are based on GLO Information.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
B-36-8-16	573'	705'
C-36-8-16	574'	-649'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
B-36-8-16	40° 04' 47.91"	110° 03' 55.73"
C-36-8-16	40° 04' 47.70"	110° 03' 55.74"
2-36-8-16	40° 04' 47.49"	110° 03' 55.75"

SURVEYED BY: T.H.	DATE SURVEYED: 06-16-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-29-09
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

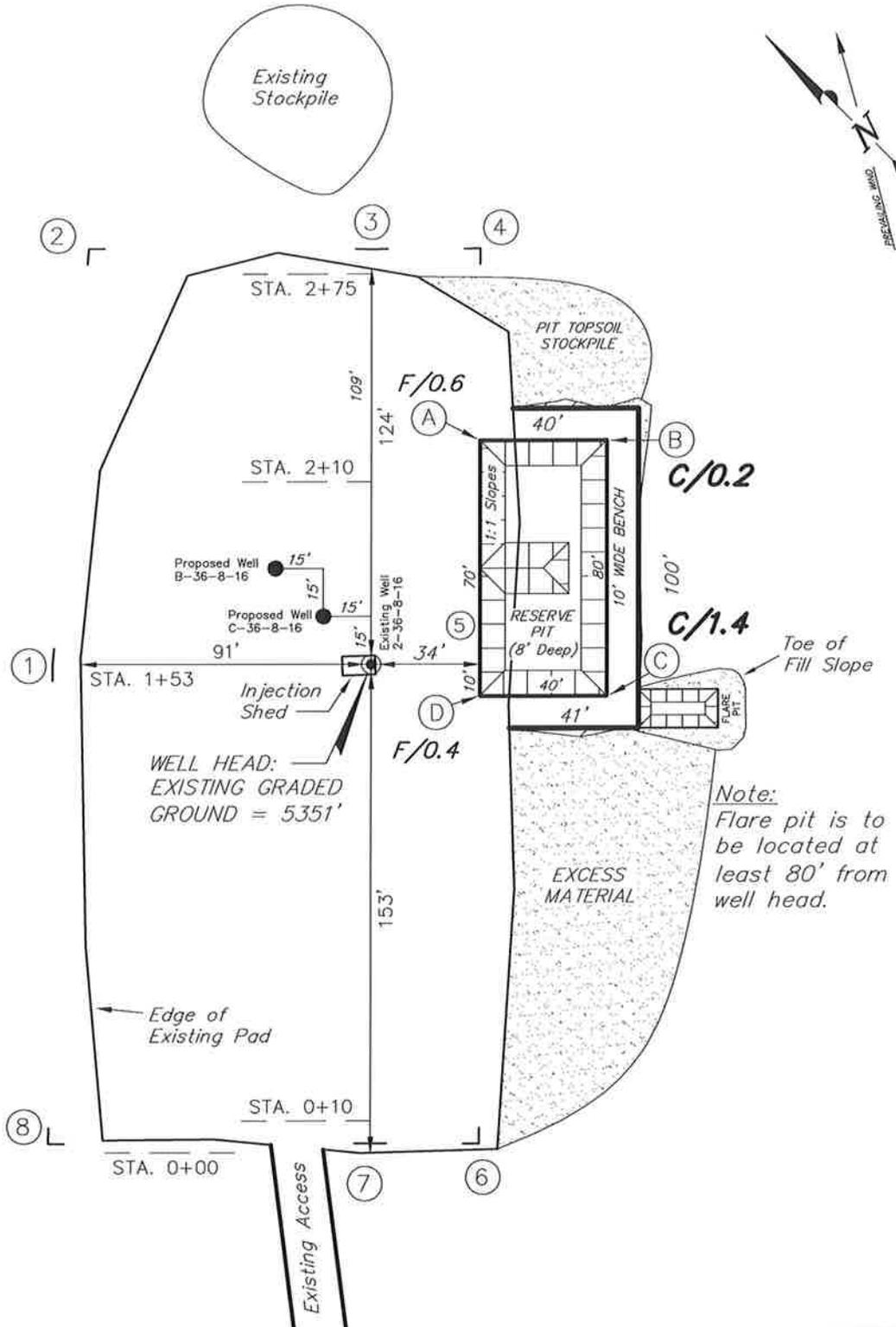
NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE EAST B-36-8-16 (Proposed Well)

MONUMENT BUTTE EAST C-36-8-16 (Proposed Well)

MONUMENT BUTTE EAST 2-36-8-16 (Existing Well)

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



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

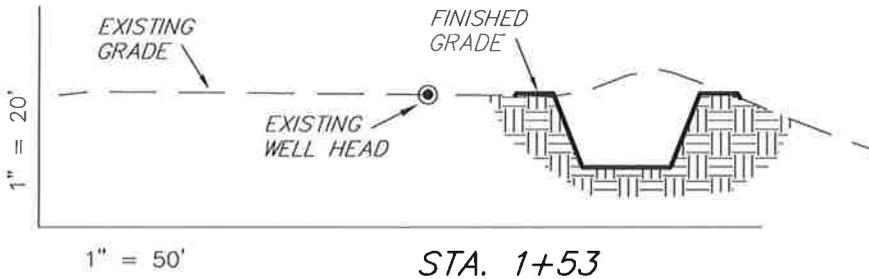
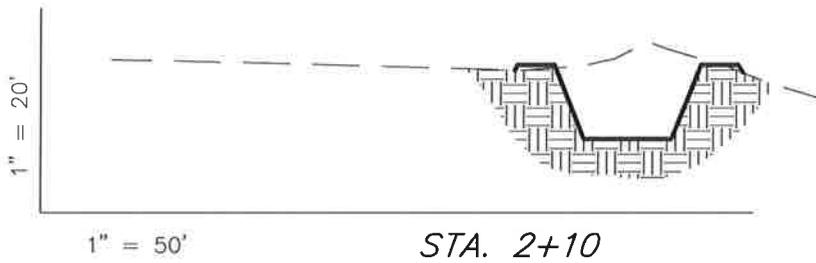
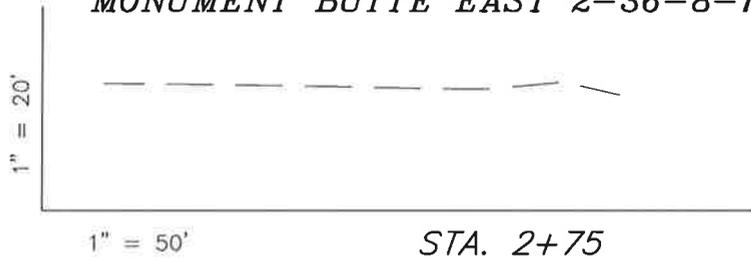
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DRAWN BY: F.T.M.	DATE DRAWN: 06-24-09
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

- MONUMENT BUTTE EAST B-36-8-16 (Proposed Well)**
- MONUMENT BUTTE EAST C-36-8-16 (Proposed Well)**
- MONUMENT BUTTE EAST 2-36-8-16 (Existing Well)**



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	50	80	Topsoil is not included in Pad Cut	-30
PIT	640	0		640
TOTALS	690	80	130	610

SURVEYED BY: T.H.	DATE SURVEYED: 06-18-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-24-09
SCALE: 1" = 50'	REVISED:

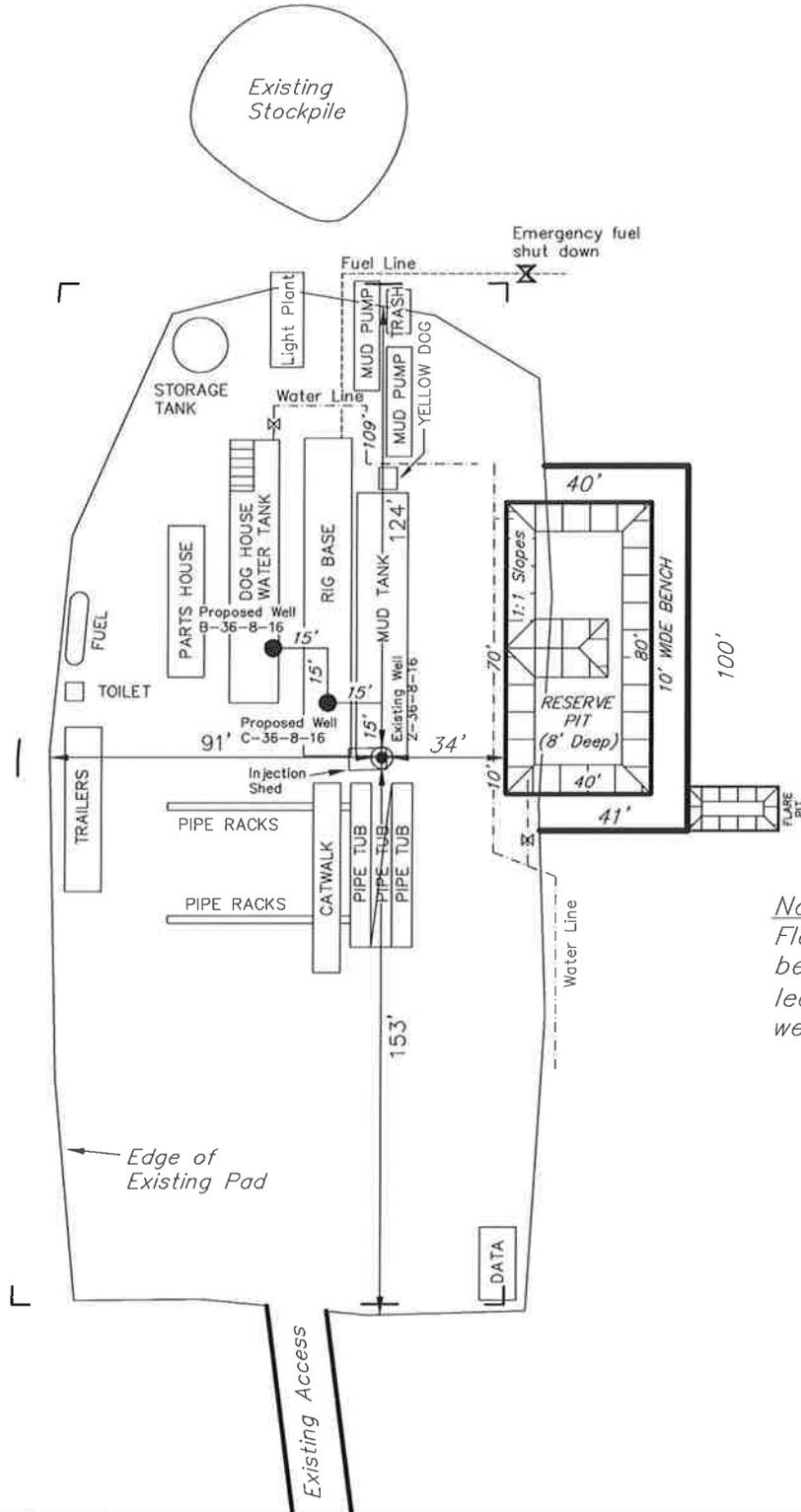
(435) 781-2501

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

- MONUMENT BUTTE EAST B-36-8-16 (Proposed Well)
- MONUMENT BUTTE EAST C-36-8-16 (Proposed Well)
- MONUMENT BUTTE EAST 2-36-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 06-18-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-24-09
SCALE: 1" = 50'	REVISED:

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

Newfield Production Company Proposed Site Facility Diagram

Monument Butte East State B-36-8-16

From the Mon. Butte State 2-36-8-16 Location

NW/NE Sec. 36 T8S, R16E

Duchesne County, Utah

ML-22061

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

Production Phase:

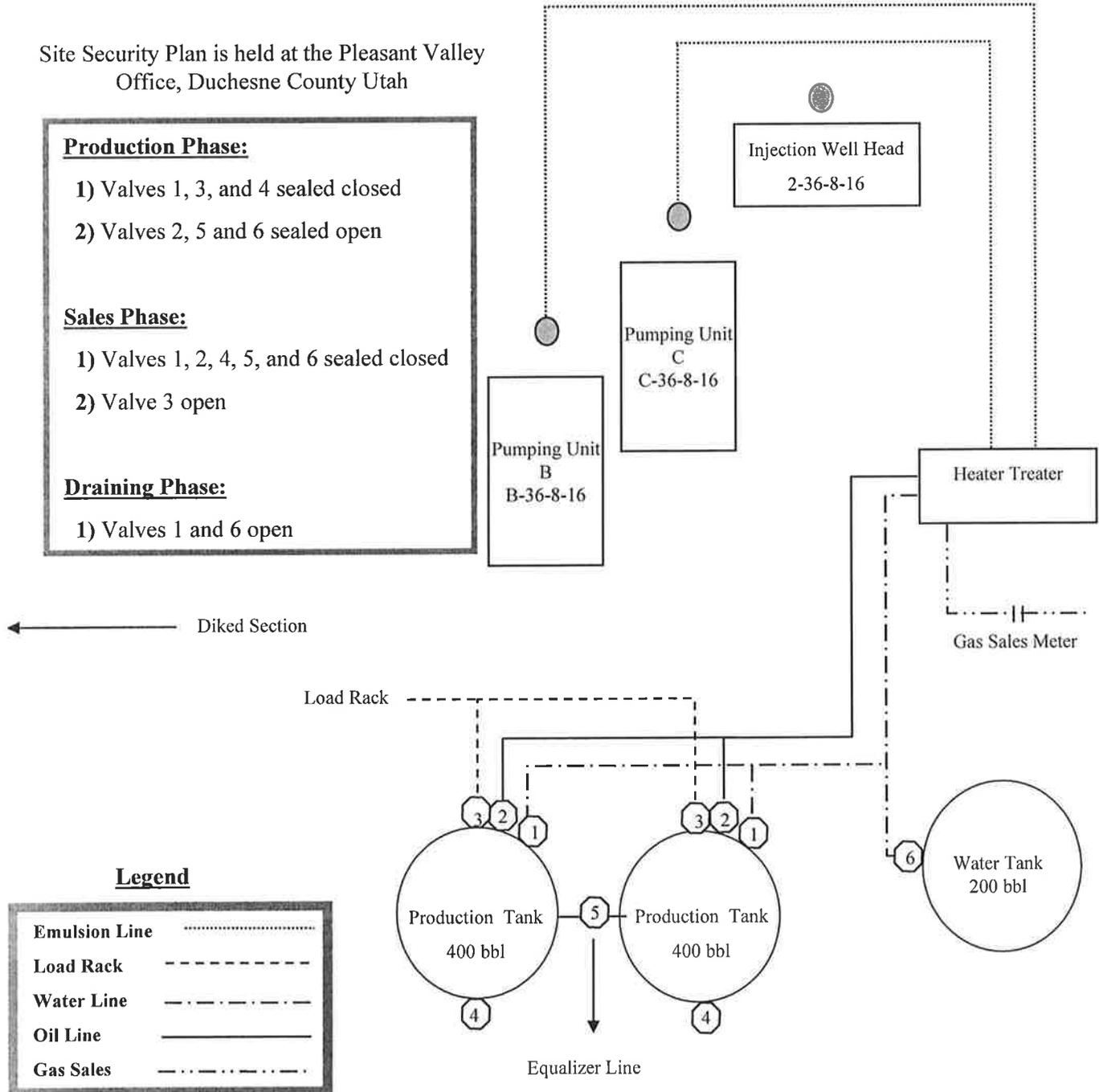
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

Sales Phase:

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

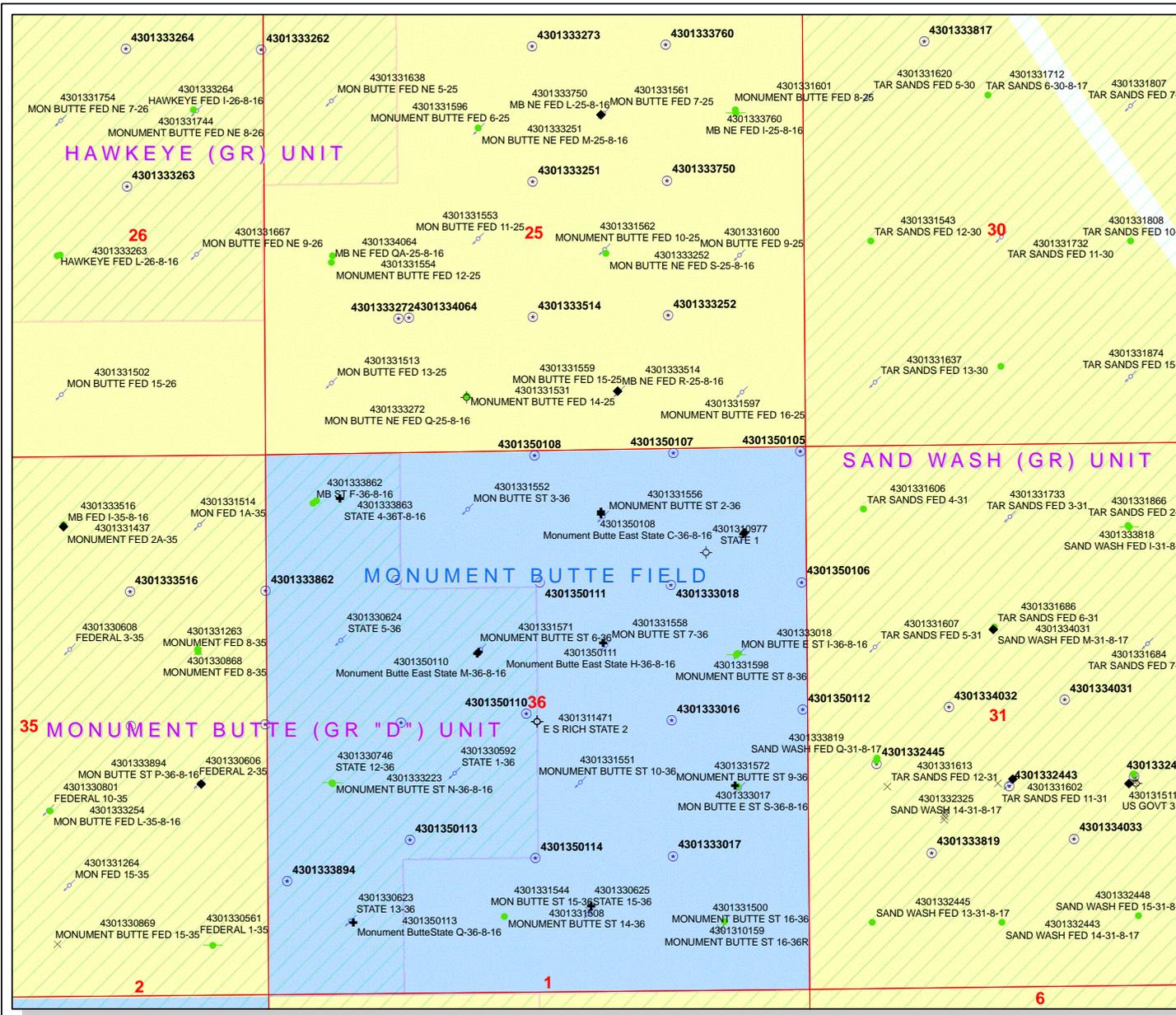
Draining Phase:

- 1) Valves 1 and 6 open



Legend

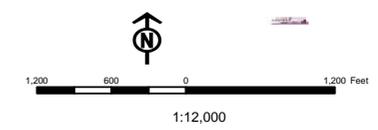
Emulsion Line
Load Rack	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	- - - - -



API Number: 4301350107
Well Name: Monument Butte East State B-36-8-16
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 Events
STATUS	GIS_STAT_TYPE
ACTIVE	<Null>
EXPLORATORY	APD
GAS STORAGE	DRL
NF PP OIL	GI
NF SECONDARY	GS
PI OIL	LA
PP GAS	NEW
PP GEOTHERMIL	OPS
PP OIL	PA
SECONDARY	PGW
TERMINATED	POW
Sections	RET
	SGW
	SOW
	TA
	TW
	WD
	WI
	WS



From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 8/31/2009 9:01 AM
Subject: SITLA well approvals (Newfield 16)

CC: Garrison, LaVonne
The following wells have been approved by SITLA including arch and paleo clearance.

Monument Butte East State A-36-8-16 [API #4301350105],

Monument Butte East State J-36-8-16 [API #4301350106],

Monument Butte East State B-36-8-16 [API #4301350107],

Monument Butte East State C-36-8-16 [API #4301350108],

Monument Butte East State G-36-8-16 [API #4301350109],

Monument Butte East State M-36-8-16 [API #4301350110],

Monument Butte East State H-36-8-16 [API #4301350111],

Monument Butte State Q-36-8-16 [API #4301350113],

Monument Butte East State R-36-8-16 [API #4301350114],

Monument Butte State G-2-9-16 [API #4301350115],

South Monument Butte State M-2-9-16 [API #4301350116],

South Monument Butte State N-2-9-16 [API #4301350117],

South Monument Butte State P-2-9-16 [API #4301350118],

South Monument Butte State X-2-9-16 [API #4301350119],

South Monument Butte State V-2-9-16 [API #4301350120],

South Monument Butte State W-2-9-16 [API #4301350121]

These wells are still waiting for approvals of one kind or another:

Monument Butte East Federal V-35-8-16, Host well 2-2-9-16, no new disturbance (State surface, Federal mineral)
Monument Butte East Federal W-35-8-16, Host well 2-2-9-16, no new disturbance (State surface, Federal mineral)
Monument Butte East State K-36-8-16 [API #4301350112], Host well 9-36-8-16, new disturbance

-Jim

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

Well Name	NEWFIELD PRODUCTION COMPANY Monument Butte East State B-36-8-		
String	Surf	Prod	
Casing Size(")	8.625	5.500	
Setting Depth (TVD)	400	6370	
Previous Shoe Setting Depth (TVD)	0	400	
Max Mud Weight (ppg)	8.3	8.6	
BOPE Proposed (psi)	0	2000	
Casing Internal Yield (psi)	2950	4810	
Operators Max Anticipated Pressure (psi)	2758	8.3	

Calculations	Surf String	8.625	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	173	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	125	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	85	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	85	NO Reasonable depth
Required Casing/BOPE Test Pressure=		400	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

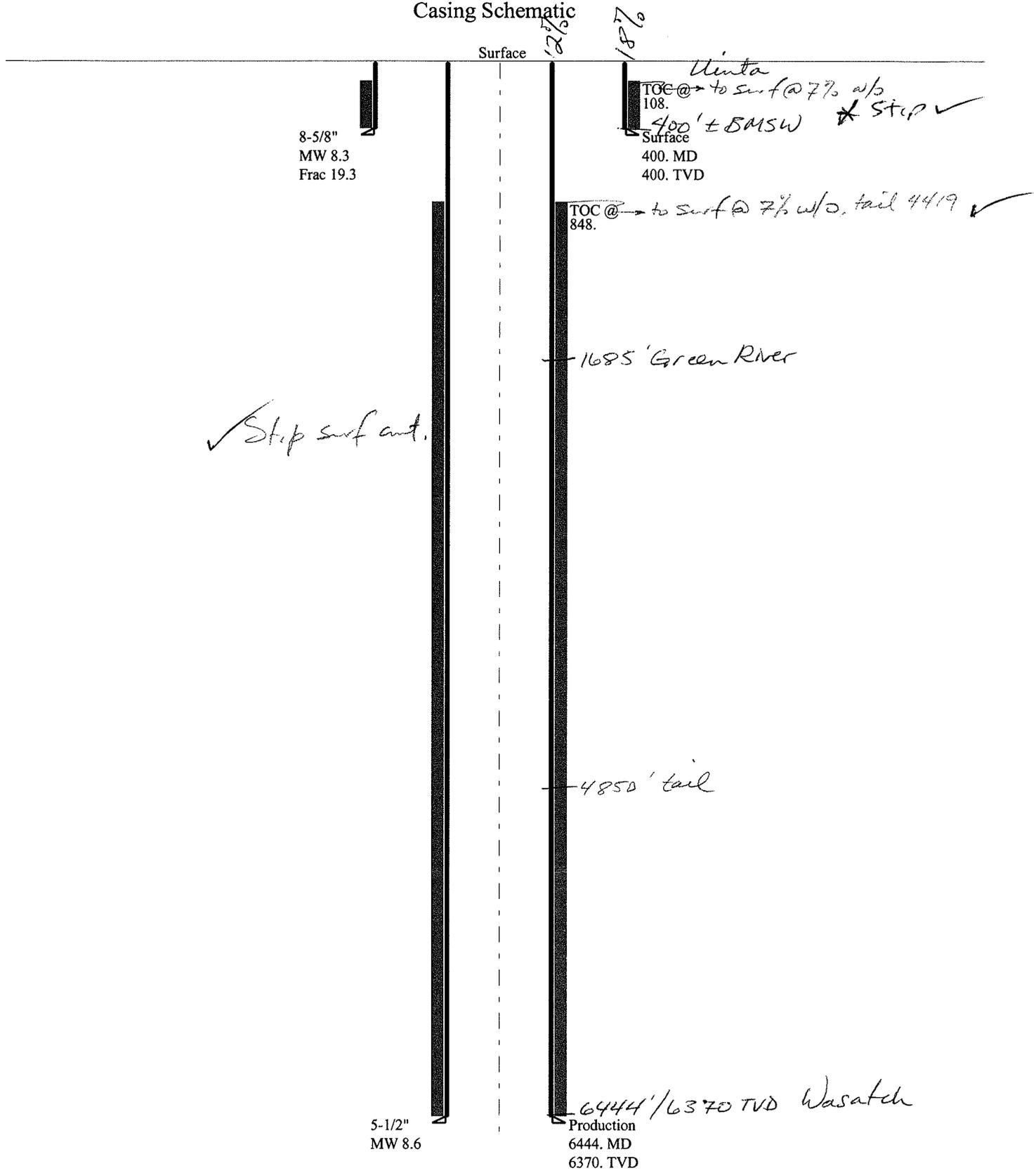
Calculations	Prod String	5.500	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	2849	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	2085	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	1448	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	1536	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		400	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

43013501070000 Monument Butte East State B-36-8-16

Casing Schematic



8-5/8"
MW 8.3
Frac 19.3

Uinta
TOC @ 108. Surface 400' ± 5MSW * Stop ✓
400. MD
400. TVD

TOC @ 848. to surf @ 7% w/o, tail 4419 ✓

1685' Green River

✓ Stop surf ant.

4850' tail

5-1/2"
MW 8.6

6444' / 6370 TVD Wasatch
Production
6444. MD
6370. TVD

Well name:	43013501070000 Monument Butte East State B-36-8-16	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50107
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: 80 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft
Cement top: 108 ft

Burst

Max anticipated surface pressure: 352 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 400 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: 350 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,370 ft
Next mud weight: 8,600 ppg
Next setting BHP: 2,846 psi
Fracture mud wt: 19,250 ppg
Fracture depth: 400 ft
Injection pressure: 400 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	400	8.625	24.00	J-55	ST&C	400	400	7.972	2059

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	173	1370	7.917	400	2950	7.38	9.6	244	25.42 J

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

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

Date: September 3, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 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:	43013501070000 Monument Butte East State B-36-8-16		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-50107
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.600 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: 163 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft
 Cement top: 848 ft

Burst

Max anticipated surface pressure: 1,444 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,846 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: 5,604 ft

Directional Info - Build & Hold

Kick-off point 600 ft
 Departure at shoe: 909 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 9.46 °

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	6444	5.5	15.50	J-55	LT&C	6370	6444	4.825	22754

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	2846	4040	1.420	2846	4810	1.69	98.7	217	2.20 J

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

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

Date: September 3, 2009
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6370 ft, a mud weight of 8.6 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



November 23, 2009

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
Monument Butte East State B-36-8-16
Greater Monument Butte (Green River) Unit
ML-22061
Surface Hole: T8S-R16E Section 36: NWNE
603' FNL 1995' FEL

At Target: T8S-R16E Section 36: NENE
40' FNL 1280' 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 8/17/09, 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

A handwritten signature in blue ink that reads "Shane Gillespie".

Shane Gillespie
Land Associate

RECEIVED

NOV 30 2009

DIV. OF OIL, GAS & MINING

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)

December 11, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2009 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 2009 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50112	MB East State	K-36-8-16 Sec 36 T08S R16E 2004 FSL 0706 FEL
		BHL Sec 36 T08S R16E 2560 FNL 0040 FEL
43-013-50111	MB East State	H-36-8-16 Sec 36 T08S R16E 1896 FNL 1955 FEL
		BHL Sec 36 T08S R16E 1280 FNL 2597 FEL
43-013-50110	MB East State	M-36-8-16 Sec 36 T08S R16E 1956 FNL 2075 FWL
		BHL Sec 36 T08S R16E 2560 FNL 2536 FWL
43-013-50109	MB East State	G-36-8-16 Sec 36 T08S R16E 1972 FNL 2061 FWL
		BHL Sec 36 T08S R16E 1242 FNL 1280 FWL
43-013-50108	MB East State	C-36-8-16 Sec 36 T08S R16E 0624 FNL 1996 FEL
		BHL Sec 36 T08S R16E 0040 FNL 2635 FEL
43-013-50107	MB East State	B-36-8-16 Sec 36 T08S R16E 0603 FNL 1995 FEL
		BHL Sec 36 T08S R16E 0040 FNL 1280 FEL
43-013-50106	MB East State	J-36-8-16 Sec 36 T08S R16E 0839 FNL 0604 FEL
		BHL Sec 36 T08S R16E 1317 FNL 0040 FEL
43-013-50105	MB East State	A-36-8-16 Sec 36 T08S R16E 0822 FNL 0591 FEL
		BHL Sec 36 T08S R16E 0040 FNL 0040 FEL

Page 2

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50114	MB East State	R-36-8-16 Sec 36 T08S R16E 0842 FSL 2124 FEL BHL Sec 36 T08S R16E 1317 FSL 2612 FWL
43-013-50149	Federal	14-29-8-16 Sec 29 T08S R16E 0679 FSL 2241 FWL
43-047-50490	Federal	6-31-8-19 Sec 31 T08S R19E 0473 FNL 1813 FWL
43-013-50061	Federal	3-27-8-16 Sec 27 T08S R16E 0748 FNL 2211 FWL
43-047-40594	Federal	10-20-8-18 Sec 20 T08S R18E 2138 FSL 3060 FWL

Our records indicate the Federal 10-20-8-18 is closer than 460 feet from the Greater Monument Butte Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/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:12-11-09

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Monument Butte East State B-36-8-16
API Number 43013501070000 **APD No** 1900 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NWNE **Sec** 36 **Tw** 8.0S **Rng** 16.0E 603 FNL 1995 FEL
GPS Coord (UTM) 579740 4436852 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield).

Regional/Local Setting & Topography

The proposed Monument Butte East State B-36-8-16 and the Monument Butte East State C-36-8-16 are proposed oil wells to be directionally drilled from the existing pad of the Monument Butte East State 2-36-8-16 water flood injection well. No changes are planned to the existing pad. The reserve pit will be re-dug near the original location in the southeast side of the pad. The wells are on 20-acre spacing.

A field review of the site and the existing pad showed no concerns and should be suitable for drilling and operating the proposed additional wells.

SITLA owns both the surface and the minerals.

Surface Use Plan

Current Surface Use

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

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required?

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run? Paleo Potential Observed? 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			
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. Its dimensions are 80' x 40' x 8' deep. A 10-foot wide bench is provided around the outside. A 16-mil liner with an appropriate sub-liner is required.

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

Other Observations / Comments

Floyd Bartlett
Evaluator

8/24/2009
Date / Time

Application for Permit to Drill Statement of Basis

12/14/2009

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
1900	43013501070000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Monument Butte East State B-36-8-16	Unit		GMBU (GRRV)	
Field	MONUMENT BUTTE	Type of Work		DRILL	
Location	NWNE 36 8S 16E S 603 FNL 1995 FEL GPS Coord (UTM) 579744E 4436846N				

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 400'. 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 significant source of useable ground water. Surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill
APD Evaluator

9/1/2009
Date / Time

Surface Statement of Basis

The proposed Monument Butte East State B-36-8-16 and the Monument Butte East State C-36-8-16 are proposed oil wells to be directionally drilled from the existing pad of the Monument Butte East State 2-36-8-16 water flood injection well. No changes are planned to the existing pad. The reserve pit will be re-dug near the original location in the southeast side of the pad. The wells are on 20-acre spacing.

A field review of the site and the existing pad showed no concerns and should be suitable for drilling and operating the proposed additional wells.

SITLA owns both the surface and the minerals. They were invited to the pre-site visit but did not attend.

The Utah Division of Wildlife Resources was also invited and did not attend.

Floyd Bartlett
Onsite Evaluator

8/24/2009
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: 8/17/2009

API NO. ASSIGNED: 43013501070000

WELL NAME: Monument Butte East State B-36-8-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NWNE 36 080S 160E

Permit Tech Review:

SURFACE: 0603 FNL 1995 FEL

Engineering Review:

BOTTOM: 0040 FNL 1280 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.08001

LONGITUDE: -110.06473

UTM SURF EASTINGS: 579744.00

NORTHINGS: 4436846.00

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**

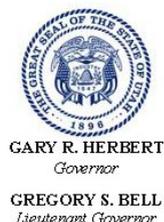
Commingle Approved

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:** 460' fr unit boundary
- R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
5 - Statement of Basis - bhll
15 - Directional - dmason
25 - Surface Casing - hmadonald
27 - Other - bhll



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: Monument Butte East State B-36-8-16
API Well Number: 43013501070000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 12/14/2009

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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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).

Surface casing shall be cemented to the surface.

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).

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/# Ross Rig # 29 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
 Well Name/Number Monument Butte East State B-36-8-
16
 Qtr/Qtr NW/NE Section 36 Township 8S
 Range 16E
 Lease Serial Number ML-
22061
 API Number 43-013-
501070000

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

Date/Time 6/12/10 8:00 AM
 PM

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

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

Date/Time 6/12/10 3:00 AM PM

BOPE

Initial BOPE test at surface casing point

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

Date/Time _____ AM PM

Remarks Ross Rig # 29 spud the Monumont Butte East State B-36-8-16 @ 8:00 AM on 6/12/10 & Run 85/8" casing @ 3:00 PM on 6/12/10.

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

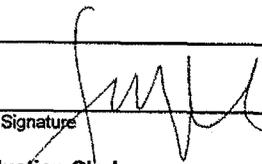
OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

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	4301350211	GREATER MONUMENT BUTTE T-36-8-16	SESE	36	8S	16E	DUCHESNE	6/17/2010	7/26/10
WELL 1 COMMENTS: GRUV BHL = SENE											
A	99999	17687	4301350265	HANCOCK 7-22-4-1	SWNE	22	4S	1W	DUCHESNE	6/17/2010	7/26/10
GRUV											
A	99999	17688	4301350264	HANCOCK 2-22-4-1	NWNE	22	4S	1W	DUCHESNE	6/4/2010	7/26/10
GRUV											
B	99999	17400	4301350105	MONUMENT BUTTE EAST STATE A-36-8-16	NENE	36	8S	16E	DUCHESNE	6/6/2010	7/26/10
GRUV BHL = NENE											
B	99999	17400	4301350108	MONUMENT BUTTE EAST STATE C-36-8-16	NWNE	36	8S	16E	DUCHESNE	6/11/2010	7/26/10
WELL 5 COMMENTS: GRUV BHL = NWNE											
B	99999	17400	4301350107	MONUMENT BUTTE EAST STATE B-36-8-16	NWNE	36	8S	16E	DUCHESNE	6/12/2010	7/26/10
WELL 5 COMMENTS: GRUV BHL = NENE											

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 - ther (explain in comments section)

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JUN 17 2010

Signature: 
Jentri Park
Production Clerk
Date: 06/17/10

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

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 EAST B-36-8-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350107

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:
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 36, T8S, R16E

COUNTY: DUCHESNE
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: 06/16/2010	<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 6-12-10 MIRU ROSS spud rig #29. Drill 445' of 12 1/4" hole with air mist. TIH W/10 Jt's 8 5/8" J-55 24# csgn. Set @ 443.44'. On 6-14-10 Cement with 220 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 5 bbls cement to pit.

NAME (PLEASE PRINT) Xabier Lasa TITLE Drilling Foreman
SIGNATURE *Xabier Lasa* DATE 06/16/2010

(This space for State use only)

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JUN 22 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 EAST B-36-8-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350107

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: , 36, T8S, 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: 07/19/2010	<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	

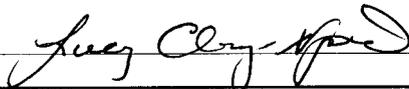
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07-19-10, 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 EAST B-36-8-16**5/1/2010 To 9/30/2010****RECEIVED****JUL 22 2010**

DIV. OF OIL, GAS & MINING

7/2/2010 Day: 1**Completion**

Rigless on 7/2/2010 - Run CBL & perforate stage #1 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6152' & cement top @ 160'. Perforate stage #1, CP5 sds @ (6198'-02') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 12 shots. CP5 sds @ (6181'-85') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 6 shots. CP4 sds @ (6142'-45') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 9 shots. CP2 sds @ (6003'-04') w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 3 shots. RD H/O truck & The Perforators WLT & mast. Wait on frac crew

Daily Cost: \$0**Cumulative Cost:** \$12,697**7/9/2010 Day: 2****Completion**

Rigless on 7/9/2010 - Frac well. - RU PSI wireline. Set CBP & perf GB4/GB6 sds as shown in perforation report. RU BJ Services. Frac GB4/GB6 sds as shown in stimulation report. RD BJ Services & PSI wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 5 hrs & turned to oil. Recovered 675 bbls. SWIFN. - RU PSI wireline. Set CBP & perf D2 sds as shown in perforation report. RU BJ Services. Frac D2 sds as shown in stimulation report. 1435 BWTR. - RU PSI wireline. Set CBP & perf B2/B1/B.5/C sds as shown in perforation report. RU BJ Services. Frac B2/B1/B.5/C sds as shown in stimulation report. 1026 - RU BJ Services. Frac CP2/CP4/CP5 sds as shown in stimulation report. 604 BWTR

Daily Cost: \$0**Cumulative Cost:** \$82,832**7/12/2010 Day: 3****Completion**

Rigless on 7/12/2010 - Set kill plug. Bleed off well. SWIFN. - RU PSI wireline. Set kill plug @ 4415'. Bleed off well. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$86,982**7/15/2010 Day: 4****Completion**

Nabors #814 on 7/15/2010 - MRU Nabors #814. Prep tbg. SWIFN. - MRU Nabors #814. 300 psi on well. Bleed off well. Prep tbg. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$126,872**7/16/2010 Day: 5****Completion**

Nabors #814 on 7/16/2010 - ND Cameron BOP. NU Schaeffer BOP. RTH w/ tbg. DU CBPs. - 200 psi on well. Bleed off well. ND Cameron BOP & 5m frac head. NU 5m production head & Schaeffer BOP. RTH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying

& drifting). Tag CBP @ 4415'. RU powerswivel & pump. DU CBP in 25 min. Cont. RIH w/ tbg. Tag CBP @ 4680'. DU CBP in 18 min. Cont. RIH w/ tbg. Tag CBP @ 5170'. DU CBP in 38 min. Cont. RIH w/ tbg. Tag fill @ 5430'. C/O to CBP @ 5460'. DU CBP in 27 min. Cont. RIH w/ tbg. Tag fill @ 6261'. Pull up to 6215'. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$133,365

7/17/2010 Day: 6

Completion

Nabors #814 on 7/17/2010 - C/O to PBTD. Swab well POOH w/ tbg. RIH w/ production string. ND BOP. - Csg. @ 600 psi, tbg. @ 650 psi. Bleed off well. Kill tbg. w/ 20 bbls water. RIH w/ tbg. Tag fill @ 6261'. C/O to PBTD @ 6411'. Circulate well clean. Pull up to 6346' RIH w/ swab. SFL @ surface. Made 6 runs. Recovered 48 bbls water. Well kicked off flowing. Flow well for 4 hrs. Recovered 100 bbls. Total of 148 bbls recovered. RD swab. RIH w/ tbg. Tag PBTD @ 6411'. Circulate well clean w/ 150 bbls 10# water. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 199 jts 2 7/8" tbg. ND BOP. Set TAC @ 6176' w/ 18,000# tension. NU wellhead. SWIFN. 950 BWTR.

Daily Cost: \$0

Cumulative Cost: \$145,511

7/19/2010 Day: 7

Completion

Nabors #814 on 7/19/2010 - PU rods. RU pumping unit. Hang off rods. Stroke test pump to 800 psi. Good pump action. Put well on production @ 1:30 p.m. 144" stroke length, 5 spm. 950 BWTR. Final Report. - Csg. @ 100 psi, tbg. @ 50 psi. Bleed off well. Flush tbg. w/ 40 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 24' RHAC rod pump. 4- 1 1/2" weight bars, 244- 7/8" guided rods (8 per), 1- 6', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 1 bbl water. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 1:30 p.m. 144" stroke length, 5 spm. 950 BWTR. Final Report. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$180,897

Pertinent Files: [Go to File List](#)

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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
---	---

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: MON BUTTE EAST B-36-8-16
------------------------------------	---

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013501070000
--	---

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: 0603 FNL 1995 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE 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-67170. We would like to amend at this time the well name to be Monument Butte East B-36-8-16.

Approved by the
 Utah Division of
 Oil, Gas and Mining

Date: September 29, 2010
 By: *Derek Quist*

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



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
Monument Butte East B-36-8-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 36: NWNE (ML-22061)
603' FNL 1995' FEL

Bottom Hole: T8S-R16E Section 25: SESE (UTU-67170)
94' FSL 1131' FEL

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-22061 and UTU-67170, are committed to the Greater Monument Butte Unit as shown on the attached plat.

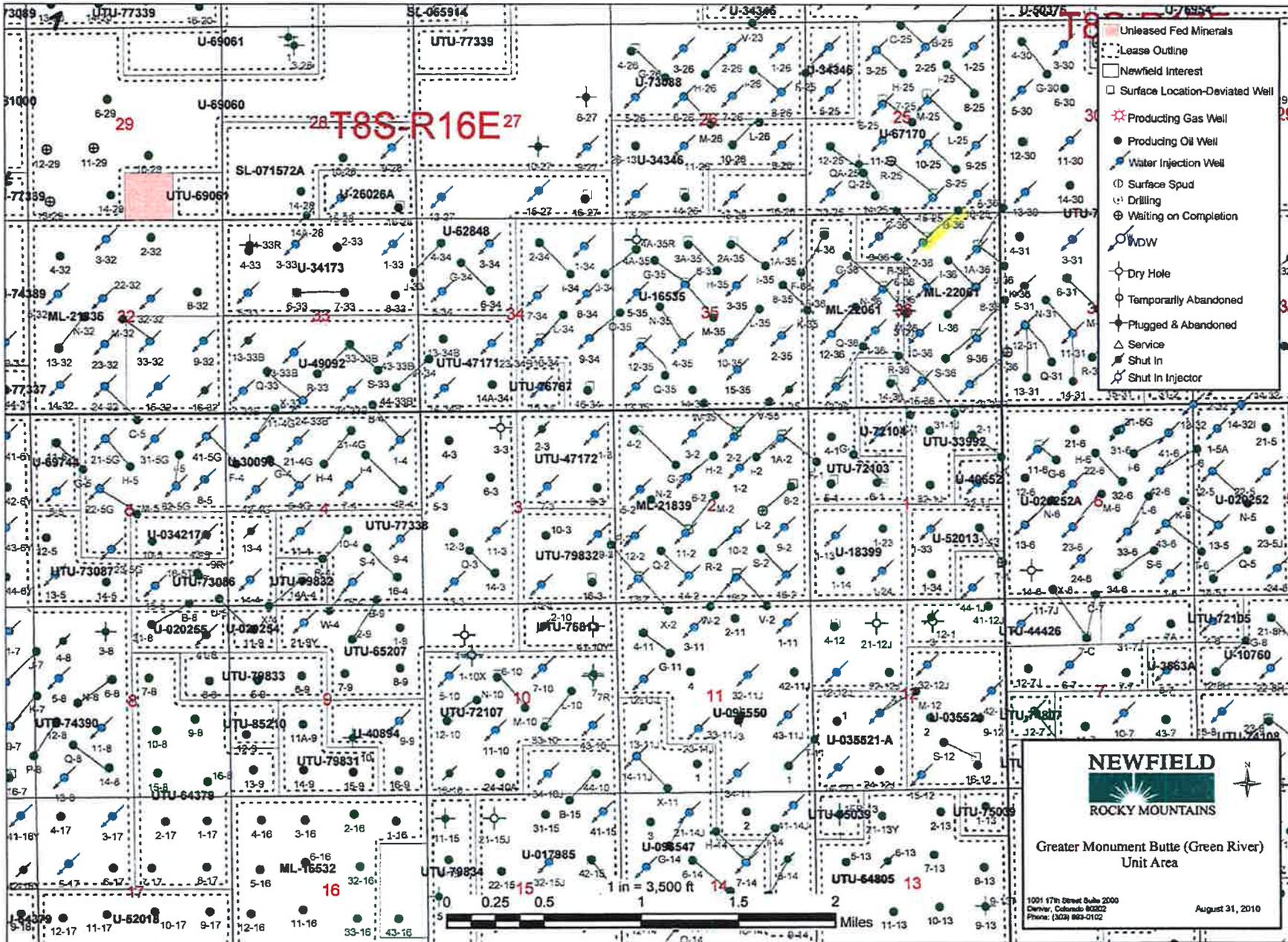
Should you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com.

Sincerely,
Newfield Production Company

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

Shane Gillespie
Land Associate

RECEIVED July 28, 2010



NEWFIELD
ROCKY MOUNTAINS

Greater Monument Butte (Green River)
 Unit Area

1001 17th Street Suite 2000
 Denver, Colorado 80202
 Phone: (303) 963-0102

August 31, 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

5. Lease Serial No.
UTU-67170

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
GMBU

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

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

8. Lease Name and Well No.
MONUMENT BUTTE EAST B-36-8-16

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface 603' FNL & 1995' FEL (NW/NE) SEC. 36, T8S, R16E (ML-22061)
 At top prod. interval reported below 143' FNL & 1426' FEL (NW/NE) SEC. 36, T8S, R16E (ML-22061)
 At total depth 94' FSL & 1434' FEL (SE/SE) SEC. 25, T8S, R16E (UTU-67170)
BHL reviewed by HSM

10. Field and Pool or Exploratory
MONUMENT BUTTE

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

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
06/12/2010

15. Date T.D. Reached
06/27/2010

16. Date Completed 07/17/2010
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5351' GL 5363' KB

18. Total Depth: MD 6465'
TVD 6354'

19. Plug Back T.D.: MD 6411'
TVD 6301'

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)

Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	443'		220 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6458'		250 PRIMLITE		160'	
NEW						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@ 6275'	TA @ 6177'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6003-6202' CP2 P4 CP5	.36"	3	30
B) Green River			5223-5381' C B.5 B1 B2	.34"	3	33
C) Green River			5100-5126' D2	.34"	3	24
D) Green River			4516-4587' GB4 GB6	.34"	3	36

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

Depth Interval	Amount and Type of Material
6003-6202'	Frac w/ 30150#'s 20/40 sand in 255 bbls of Lightning 17 fluid.
5223-5381'	Frac w/ 30275#'s 20/40 sand in 259 bbls of Lightning 17 fluid.
5100-5126'	Frac w/ 25262#'s 20/40 sand in 215 bbls of Lightning 17 fluid.
4516-4587'	Frac w/ 36593#'s 20/40 sand in 292 bbls of Lightning 17 fluid.

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AUG 19 2010

DIV. OF OIL, GAS & MINING

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
7-13-10	7-24-10	24	→	107	0	27			2-1/2" x 1-3/4" x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

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

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

6003
5223
5100
4516

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	3993' 4201'
				GARDEN GULCH 2 POINT 3	4324' 4607'
				X MRKR Y MRKR	4853' 4891'
				DOUGALS CREEK MRK BI CARBONATE MRK	5022' 5267'
				B LIMESTON MRK CASTLE PEAK	5407' 5914'
				BASAL CARBONATE	6336'

32. Additional remarks (include plugging procedure):

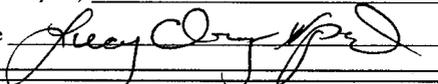
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- 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

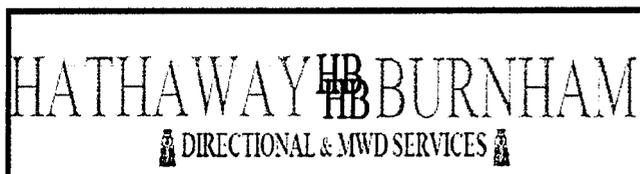
**USGS Myton SW (UT)
SECTION 36 T8S, R16E
B-36-8-16**

Wellbore #1

Design: Actual

Standard Survey Report

14 July, 2010





HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: B-36-8-16
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well B-36-8-16
 TVD Reference: B-36-8-16 @ 5363.0ft
 MD Reference: B-36-8-16 @ 5363.0ft
 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
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	B-36-8-16, SHL LAT 40 04 47.91, LONG -110 03 55.73		
Well Position	+N/-S	0.0 ft	Northing: 7,201,073.63 ft
	+E/-W	0.0 ft	Easting: 2,041,792.53 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 4' 47.910 N
		Longitude:	110° 3' 55.730 W
		Ground Level:	5,337.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	2009/07/16	(°) 11.55	(°) 65.88	(nT) 52,509

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	50.88

Survey Program	Date 2010/07/14	
From	To	Survey (Wellbore)
(ft)	(ft)	
475.0	6,465.0	Survey #1 (Wellbore #1)
		Tool Name
		MWD
		Description
		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
475.0	0.57	179.28	475.0	-2.4	0.0	-1.5	0.12	0.12	0.00
506.0	0.42	177.89	506.0	-2.6	0.0	-1.6	0.49	-0.48	-4.48
537.0	0.53	186.64	537.0	-2.9	0.0	-1.8	0.42	0.35	28.23
567.0	0.37	124.30	567.0	-3.1	0.1	-1.9	1.62	-0.53	-207.80
598.0	0.40	62.95	598.0	-3.1	0.3	-1.7	1.27	0.10	-197.90
629.0	0.90	68.67	629.0	-2.9	0.6	-1.4	1.62	1.61	18.45
659.0	1.70	55.80	659.0	-2.6	1.2	-0.7	2.82	2.67	-42.90
690.0	2.26	52.65	690.0	-2.0	2.0	0.3	1.84	1.81	-10.16
720.0	2.64	52.00	719.9	-1.2	3.1	1.6	1.27	1.27	-2.17
751.0	3.20	49.90	750.9	-0.2	4.3	3.2	1.84	1.81	-6.77
782.0	3.76	46.30	781.8	1.1	5.7	5.1	1.94	1.81	-11.61
812.0	4.15	45.30	811.8	2.5	7.2	7.1	1.32	1.30	-3.33



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
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 Site: SECTION 36 T8S, R16E
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 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well B-36-8-16
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 MD Reference: B-36-8-16 @ 5363.0ft
 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)
858.0	4.90	45.20	857.6	5.1	9.7	10.7	1.63	1.63	-0.22
903.0	5.50	42.41	902.4	8.0	12.6	14.8	1.45	1.33	-6.20
948.0	6.24	46.17	947.2	11.3	15.8	19.4	1.85	1.64	8.36
994.0	6.86	45.80	992.9	14.9	19.5	24.6	1.35	1.35	-0.80
1,039.0	7.47	48.80	1,037.5	18.7	23.7	30.2	1.59	1.36	6.67
1,084.0	8.10	49.60	1,082.1	22.7	28.3	36.3	1.42	1.40	1.78
1,130.0	9.00	50.67	1,127.6	27.1	33.5	43.1	1.99	1.96	2.33
1,175.0	9.62	52.40	1,172.0	31.6	39.2	50.4	1.51	1.38	3.84
1,220.0	10.20	51.70	1,216.4	36.4	45.4	58.1	1.32	1.29	-1.56
1,266.0	10.90	52.19	1,261.6	41.6	52.0	66.6	1.53	1.52	1.07
1,311.0	11.67	51.75	1,305.7	47.0	58.9	75.4	1.72	1.71	-0.98
1,356.0	12.19	51.18	1,349.7	52.8	66.2	84.7	1.18	1.16	-1.27
1,447.0	12.50	49.50	1,438.6	65.2	81.2	104.1	0.52	0.34	-1.85
1,537.0	13.10	49.80	1,526.4	78.1	96.4	124.1	0.67	0.67	0.33
1,628.0	13.30	48.56	1,615.0	91.7	112.1	144.8	0.38	0.22	-1.36
1,719.0	13.30	50.40	1,703.5	105.3	128.0	165.8	0.47	0.00	2.02
1,810.0	12.44	49.62	1,792.3	118.3	143.5	186.0	0.96	-0.95	-0.86
1,900.0	11.95	49.57	1,880.2	130.7	158.0	205.0	0.54	-0.54	-0.06
1,991.0	11.40	50.11	1,969.3	142.5	172.1	223.4	0.62	-0.60	0.59
2,082.0	11.12	51.20	2,058.6	153.8	185.8	241.2	0.39	-0.31	1.20
2,172.0	11.34	50.30	2,146.9	164.9	199.4	258.7	0.31	0.24	-1.00
2,263.0	11.62	54.60	2,236.1	175.9	213.7	276.8	0.99	0.31	4.73
2,353.0	11.91	52.47	2,324.2	186.8	228.5	295.2	0.58	0.32	-2.37
2,444.0	12.08	50.06	2,413.2	198.7	243.2	314.1	0.58	0.19	-2.65
2,534.0	11.90	50.20	2,501.2	210.6	257.6	332.8	0.20	-0.20	0.16
2,625.0	12.70	48.00	2,590.1	223.3	272.2	352.1	1.02	0.88	-2.42
2,715.0	12.40	50.20	2,678.0	236.1	287.0	371.7	0.63	-0.33	2.44
2,806.0	11.70	49.50	2,767.0	248.4	301.5	390.7	0.79	-0.77	-0.77
2,896.0	10.10	47.10	2,855.3	259.7	314.3	407.7	1.85	-1.78	-2.67
2,987.0	10.30	50.10	2,944.9	270.3	326.3	423.8	0.62	0.22	3.30
3,077.0	11.50	54.80	3,033.3	280.7	339.8	440.8	1.66	1.33	5.22
3,168.0	12.50	59.00	3,122.3	291.0	355.7	459.6	1.46	1.10	4.62
3,259.0	13.60	58.30	3,210.9	301.7	373.2	479.9	1.22	1.21	-0.77
3,349.0	11.90	54.80	3,298.7	312.6	389.8	499.7	2.07	-1.89	-3.89
3,439.0	11.20	53.90	3,386.9	323.1	404.5	517.7	0.80	-0.78	-1.00
3,530.0	11.80	51.30	3,476.1	334.1	418.9	535.8	0.87	0.66	-2.86
3,621.0	11.90	47.30	3,565.1	346.3	433.0	554.5	0.91	0.11	-4.40
3,711.0	12.00	50.10	3,653.2	358.6	447.0	573.1	0.65	0.11	3.11
3,802.0	12.00	51.50	3,742.2	370.5	461.7	592.0	0.32	0.00	1.54
3,892.0	12.10	50.10	3,830.2	382.4	476.3	610.8	0.34	0.11	-1.56
3,983.0	11.10	50.70	3,919.4	394.1	490.4	629.1	1.11	-1.10	0.66
4,074.0	10.00	48.20	4,008.8	404.9	503.0	645.7	1.31	-1.21	-2.75
4,164.0	10.80	50.10	4,097.3	415.5	515.3	662.0	0.97	0.89	2.11
4,255.0	10.60	49.50	4,186.8	426.4	528.2	678.9	0.25	-0.22	-0.66
4,346.0	11.60	49.60	4,276.0	437.8	541.6	696.4	1.10	1.10	0.11
4,436.0	11.10	51.18	4,364.3	449.1	555.2	714.1	0.65	-0.56	1.76
4,527.0	11.40	50.58	4,453.5	460.3	569.0	731.8	0.35	0.33	-0.66
4,617.0	10.74	50.89	4,541.9	471.2	582.3	749.1	0.74	-0.73	0.34
4,708.0	10.60	51.20	4,631.3	481.8	595.4	766.0	0.17	-0.15	0.34
4,798.0	11.87	50.30	4,719.6	492.9	609.0	783.5	1.42	1.41	-1.00
4,889.0	11.80	49.80	4,808.6	504.9	623.3	802.2	0.14	-0.08	-0.55
4,980.0	11.95	51.90	4,897.7	516.7	637.8	820.9	0.50	0.16	2.31
5,070.0	12.66	53.00	4,985.6	528.4	653.1	840.0	0.83	0.79	1.22
5,161.0	12.86	49.50	5,074.4	541.0	668.7	860.1	0.88	0.22	-3.85



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 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)
5,251.0	12.00	48.10	5,162.3	553.7	683.3	879.5	1.01	-0.96	-1.56
5,342.0	11.70	48.30	5,251.3	566.2	697.2	898.2	0.33	-0.33	0.22
5,391.9	11.59	50.04	5,300.2	572.8	704.9	908.2	0.74	-0.23	3.49
B-36-8-16 TGT									
5,433.0	11.50	51.50	5,340.5	578.0	711.2	916.5	0.74	-0.21	3.55
5,523.0	10.80	53.00	5,428.8	588.6	725.0	933.8	0.84	-0.78	1.67
5,614.0	11.30	53.50	5,518.1	599.1	739.0	951.3	0.56	0.55	0.55
5,704.0	11.40	53.20	5,606.3	609.6	753.2	969.0	0.13	0.11	-0.33
5,795.0	10.60	50.50	5,695.6	620.3	766.8	986.3	1.05	-0.88	-2.97
5,886.0	9.10	50.60	5,785.3	630.2	778.8	1,001.9	1.65	-1.65	0.11
5,976.0	9.34	53.50	5,874.1	639.1	790.2	1,016.3	0.58	0.27	3.22
6,067.0	10.98	54.40	5,963.7	648.5	803.2	1,032.3	1.81	1.80	0.99
6,157.0	11.47	52.40	6,052.0	659.0	817.3	1,049.8	0.70	0.54	-2.22
6,248.0	11.76	49.20	6,141.1	670.6	831.4	1,068.1	0.78	0.32	-3.52
6,339.0	11.12	50.25	6,230.3	682.2	845.2	1,086.2	0.74	-0.70	1.15
6,415.0	10.94	51.24	6,304.9	691.4	856.5	1,100.7	0.34	-0.24	1.30
6,465.0	10.94	51.24	6,354.0	697.4	863.9	1,110.2	0.00	0.00	0.00

Wellbore Targets

Target Name	- hit/miss target	- Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
B-36-8-16 TGT			0.00	0.00	5,300.0	573.7	705.4	7,201,658.52	2,042,488.62	40° 4' 53.579 N	110° 3' 46.654 W
- actual wellpath misses by 1.1ft at 5391.9ft MD (5300.2 TVD, 572.8 N, 704.9 E)											
- Circle (radius 75.0)											

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



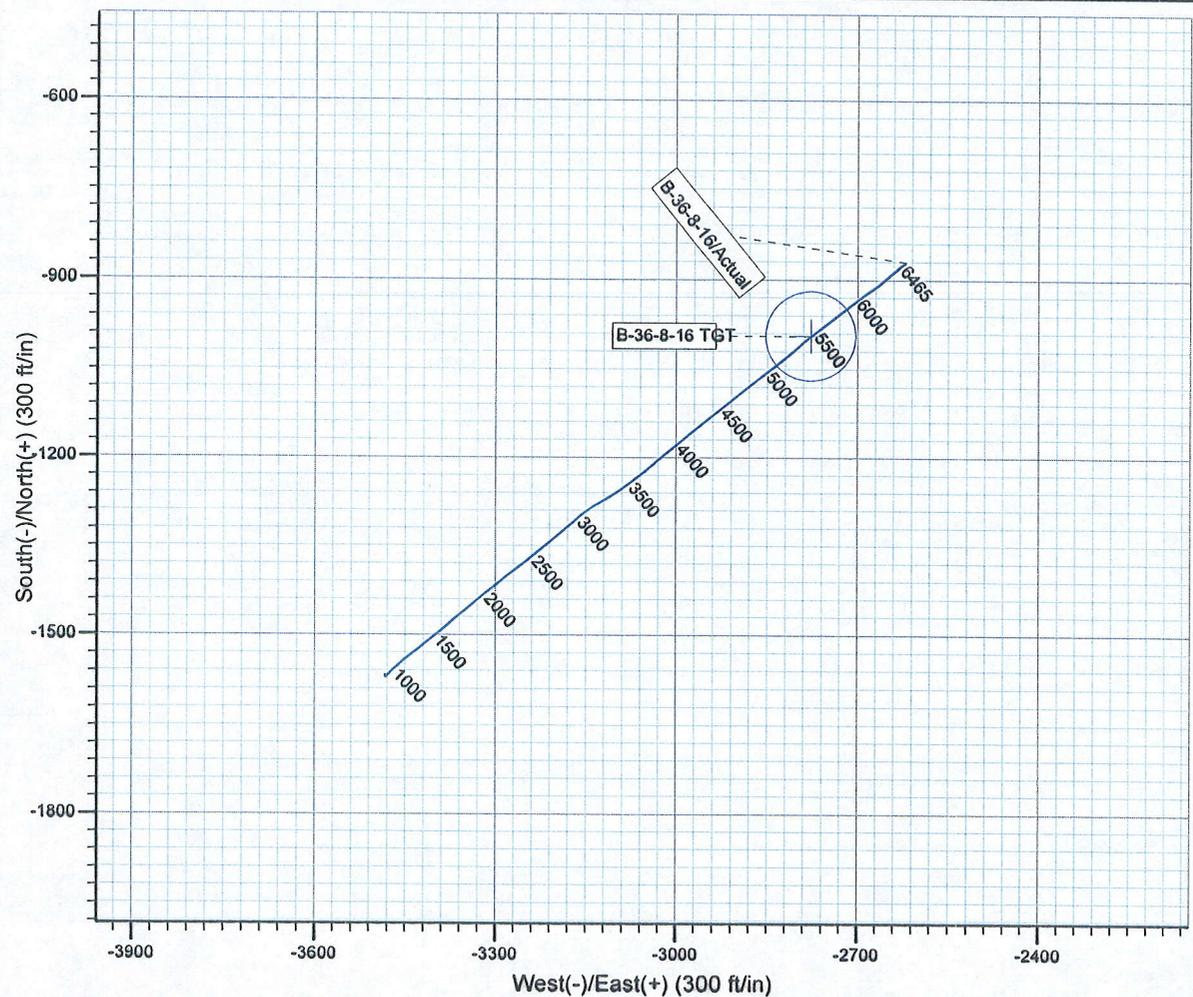
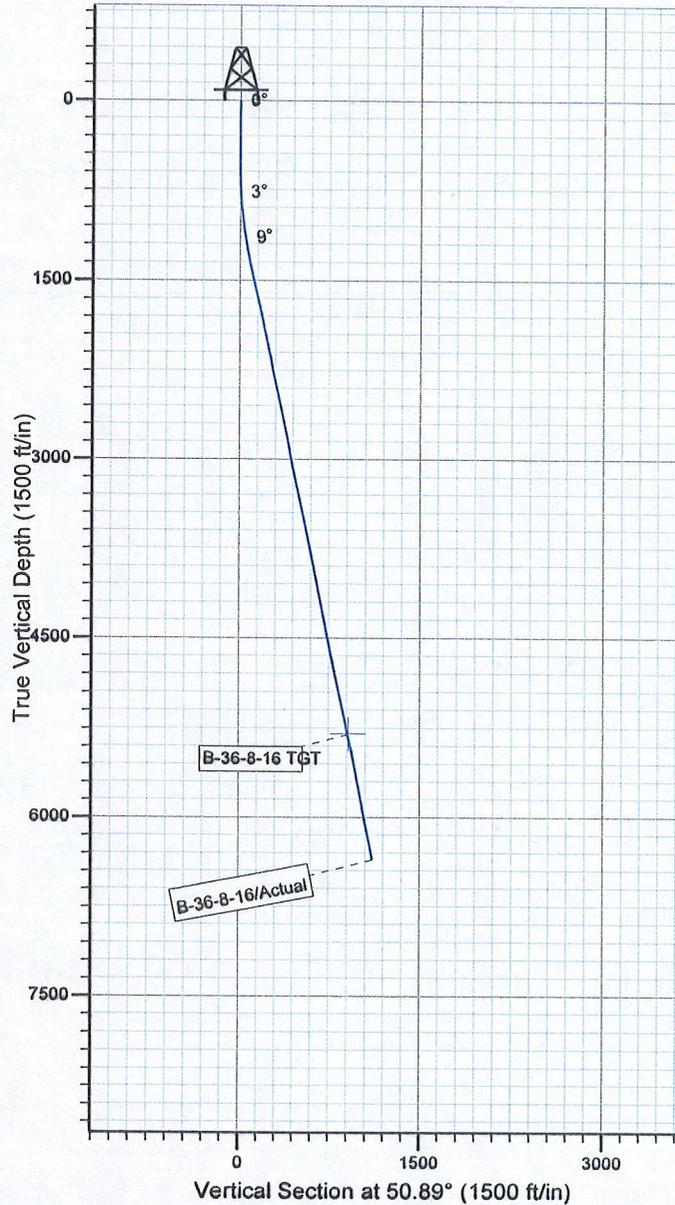
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R16E
Well: B-36-8-16
Wellbore: Wellbore #1
SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
Magnetic North: 11.55°

Magnetic Field
Strength: 52509.2snT
Dip Angle: 65.88°
Date: 2009/07/16
Model: IGRF200510



HATHAWAY HUB BURNHAM
DIRECTIONAL & MWD SERVICES

Design: Actual (B-36-8-16/Wellbore #1)

Created By: *Tom Hudson* Date: 19:03, July 14 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 EAST B-36-8-16

4/1/2010 To 8/30/2010

MON BUTTE EAST B-36-8-16

Waiting on Cement

Date: 6/13/2010

Ross #29 at 443. Days Since Spud - ppg and 1.17 yield, returned 5 bbls to pit, bump plug to 500 psi - Set@ 443.44', On 6-14-10 cement w/ BJ w/ 220 sks of Class G+2%KCL+.25#/sk cello flake mixed @ 15.8 - BLM and State Were notified via email - On 6-12-10 Ross # 29 spud and drilled 445' of 12 1/4" hole, P/U and run 10 jts. Of 8 5/8" J55,24#STC

Daily Cost: \$0

Cumulative Cost: \$49,810

MON BUTTE EAST B-36-8-16

Drill 7 7/8" hole with fresh water

Date: 6/24/2010

Capstar #328 at 2539. 1 Days Since Spud - inside Choke Line, inside/outside upright Manifold, Kelly valve & TIW Valves To 2000 pis For 10 mins - OK - P/U BHA Smith 7 7/8" PDC, Hunting Mud Motor 7/8 4.8 Stage, 1x30' Monel DC, 1 Gap Sub, 1 Antenna Sub, - 1x30 Monel DC. - Test Directional Tools, Not Working, Laydown Tool, Work on Tool - P/U Directional Tools Trip in Hole - Tag Cement @ 384' Drill Plug, Cement, Shoe - Drill 7 7/8" Hole From 384' To 2539' 15,000 lbs WOB, 184 TRPM, 409 GPM, 187.3 fph AVG ROP - Accept Rig On 6/23/10 @ 13:50 R/U B&C Quick Test. Test Pipe, Blind Rams, Inside Check Kill Line, - Nipple Up B.O.P - MBES C-36-8-16) - 6/23/10 MIRU On MBES B-36-8-16. Set Surface Equipment With Howcraft Trucking. (15 ft Rig Move from - Test Annular To 1500 psi For 10 mins. Test Surface Casing To 1500 Pis For 30 Mins. Everything Tested

Daily Cost: \$0

Cumulative Cost: \$73,850

MON BUTTE EAST B-36-8-16

Drill 7 7/8" hole with fresh water

Date: 6/25/2010

Capstar #328 at 5276. 2 Days Since Spud - No H2S or flow in last 24 hours - Drill 7 7/8" hole F/ 2536' to 3792' w/ 20K WOB, TRPM-184, GPM-409, Avg ROP-167 ft/hr - Rig Service , check crownomatic and BOP - Drill 7 7/8" hole F/ 3792' to 5276' w/ 20K WOB, Trpm-184, GPM-409, Avg ROP-93 ft/hr

Daily Cost: \$0

Cumulative Cost: \$121,262

MON BUTTE EAST B-36-8-16

Lay Down Drill Pipe/BHA

Date: 6/26/2010

Capstar #328 at 6465. 3 Days Since Spud - Change out hydraulic pump on swivel and rig service - Drill 7 7/8" hole f/ 5276' to 5573' w/ 20K WOB, TRPM-184, GPM-409, Avg ROP-85 ft/hr - Circulate for lay down - Work on swivel - Lay down drill pipe to 4000' - No H2S reported in last 24 hours - Lay down drill pipe - Pump 260 bbls of 9.7 lb brine to kill flow - Drill 7 7/8' hole f/ 5573' to 6465' w/ 20K WOB, TRPM-184, GPM-409, Avg ROP-74 ft/hr

Daily Cost: \$0

Cumulative Cost: \$161,284

MON BUTTE EAST B-36-8-16

Waiting on Cement

Date: 6/27/2010

Capstar #328 at 6465. 4 Days Since Spud - BLM and State were notified via email - displace

w/ 152.5 bbls fresh, returned 10 bbls to pit, bump plug to 2290 psi - yield , pump 400 sks (50:50:2 +.05#SF+3%KCL+.5%EC-1+.25#CF) mixed @ 14.4ppg and 1.24 yield, - Test lines to 4000# , pump 250 sks lead(PL II+.05 SF+3%KCL+.5# CF+2# Kol Seal+FP-6L) @ 11 ppg &3.53 - Circulate casing and rig up BJ Services - Run 148 jts of 5.5",J-55,LTC,15.5# set @ 6458.15', Float collar@ 6411.32',short Jt.4078.71' - R/U PSI and Log from Loggers TD-6464' to surface (Gamma Ray,Density, dual guard,Neutron) - LDDP and BHA - Release rig @ 1:00 AM on 6-27-10. - Nipple down and set slips w/ 90,000# tension - Clean mud tanks **Finalized**

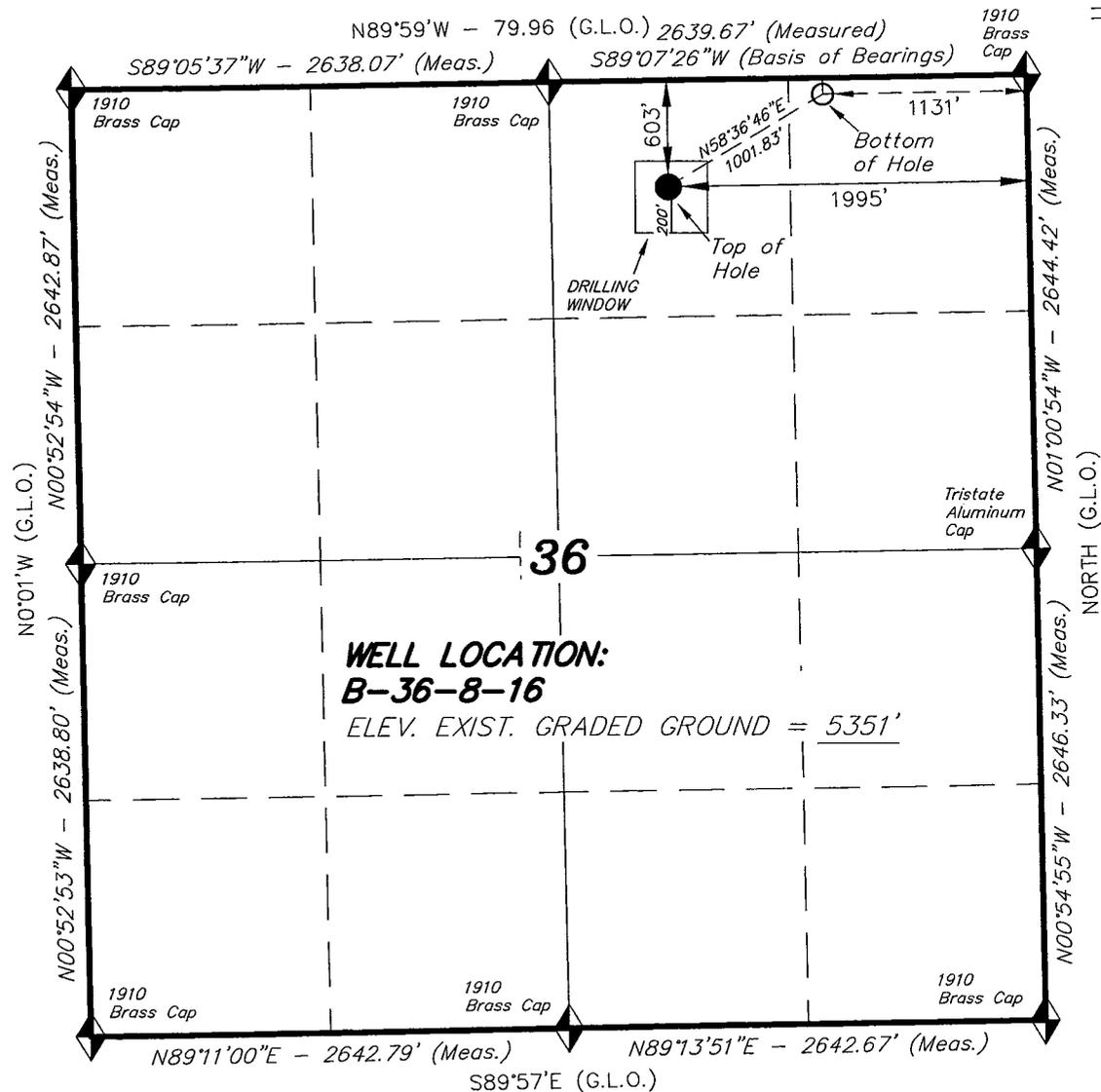
Daily Cost: \$0

Cumulative Cost: \$280,585

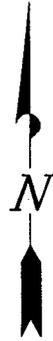
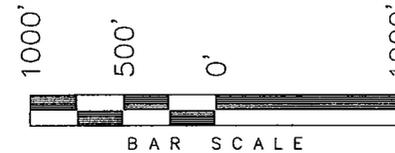
Pertinent Files: Go to File List

T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, B-36-8-16, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:
1. The bottom of hole footages are 94' FNL & 1131' FEL.

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. 189377

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

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

◆ = 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'

B-36-8-16
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 47.91"
 LONGITUDE = 110° 03' 55.73"

DATE SURVEYED: 06-16-09	SURVEYED BY: T.H.
DATE DRAWN: 06-29-09	DRAWN BY: F.T.M.
REVISED: 07-21-10 - M.W.	SCALE: 1" = 1000'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-67170	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Greater Monument Butte	
8. Lease Name and Well No. Monument Butte East B-36-8-16	
9. API Well No. 43-013-50107	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 36, T8S R16E	
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 14.4 miles south of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 94' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 959.869
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. 1008'	19. Proposed Depth 6,465'
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5351' 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) 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 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)

NOS ^{APD} posted 7/28/2010

AFMSS# 10CX50035A

JUL 26 2010

NOTICE OF APPROVAL

RECEIVED

JAN 26 2011



No NOS

DIV. OF OIL, GAS & MINING



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
Well No: Monument Butte East B-36-8-16
API No: 43-013-50107

Location: NWNE, Sec. 36, T8S, R16E
Lease No: UTU-67170
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.
- 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 ($\frac{1}{4}$ 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.