

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 G-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	1972 FNL 2061 FWL	SENW	36	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	1242 FNL 1280 FWL	NWNW	36	8.0 S	16.0 E	S
At Total Depth	1242 FNL 1280 FWL	NWNW	36	8.0 S	16.0 E	S
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1242		23. NUMBER OF ACRES IN DRILLING UNIT 20		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1441		26. PROPOSED DEPTH MD: 6463 TVD: 6463		
27. ELEVATION - GROUND LEVEL 5405		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 43013501090000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6463		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6463	15.5			

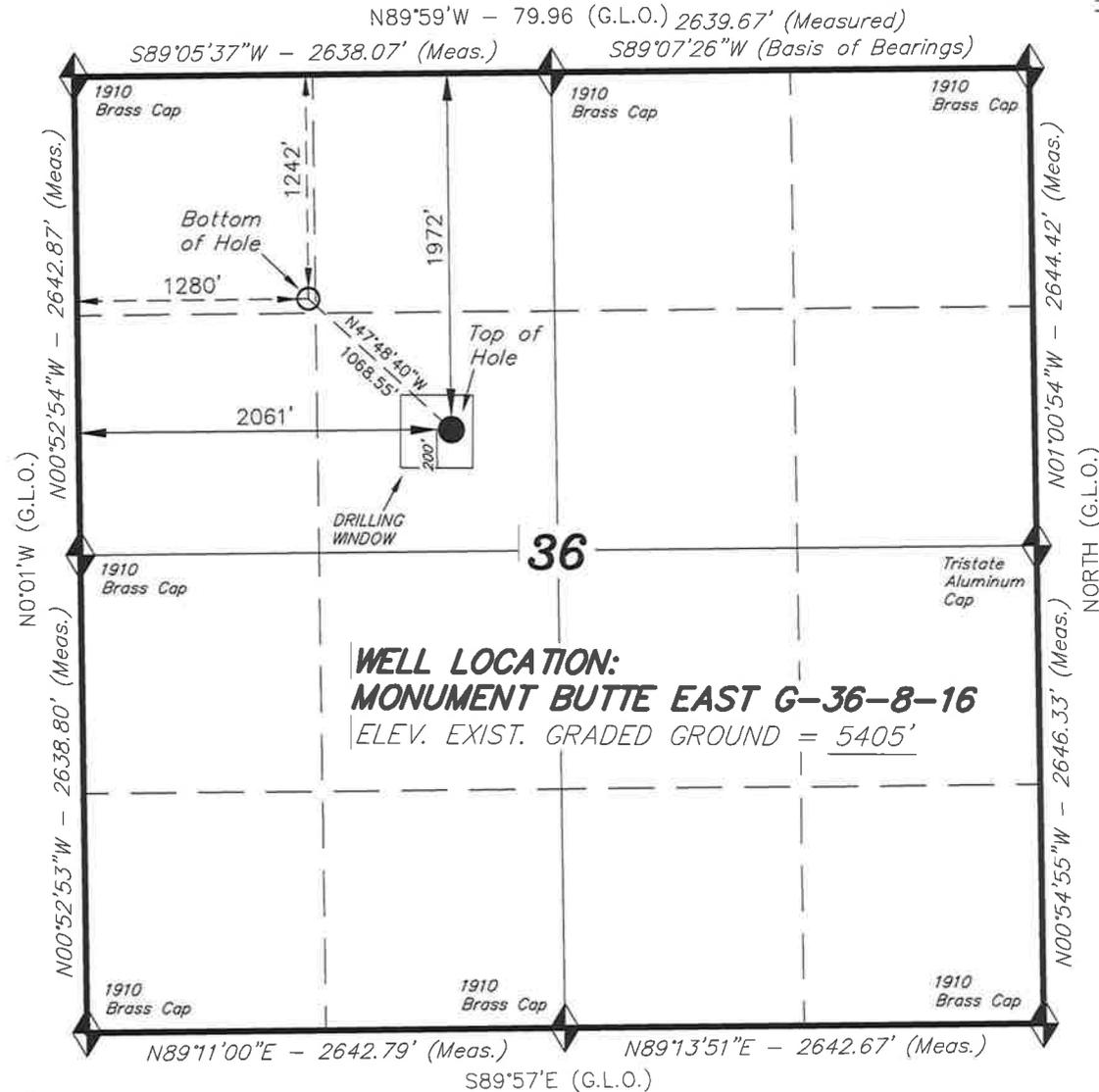
Proposed Hole, Casing, and Cement

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			

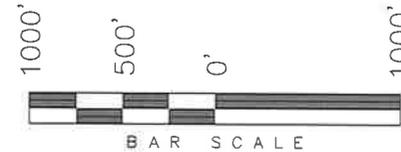
T8S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

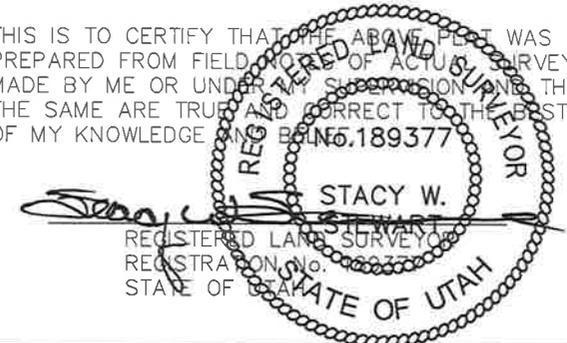
WELL LOCATION, MONUMENT BUTTE EAST G-36-8-16, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
MONUMENT BUTTE EAST G-36-8-16
 ELEV. EXIST. GRADED GROUND = 5405'



THIS IS TO CERTIFY THAT THE ABOVE PLOT 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



◆ = SECTION CORNERS LOCATED

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

MONUMENT BUTTE EAST G-36-8-16
 (Surface Location) NAD 83
 LATITUDE = $40^{\circ}04'34.39''$
 LONGITUDE = $110^{\circ}04'11.48''$

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 06-17-09	SURVEYED BY: T.H.
DATE DRAWN: 06-29-09	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



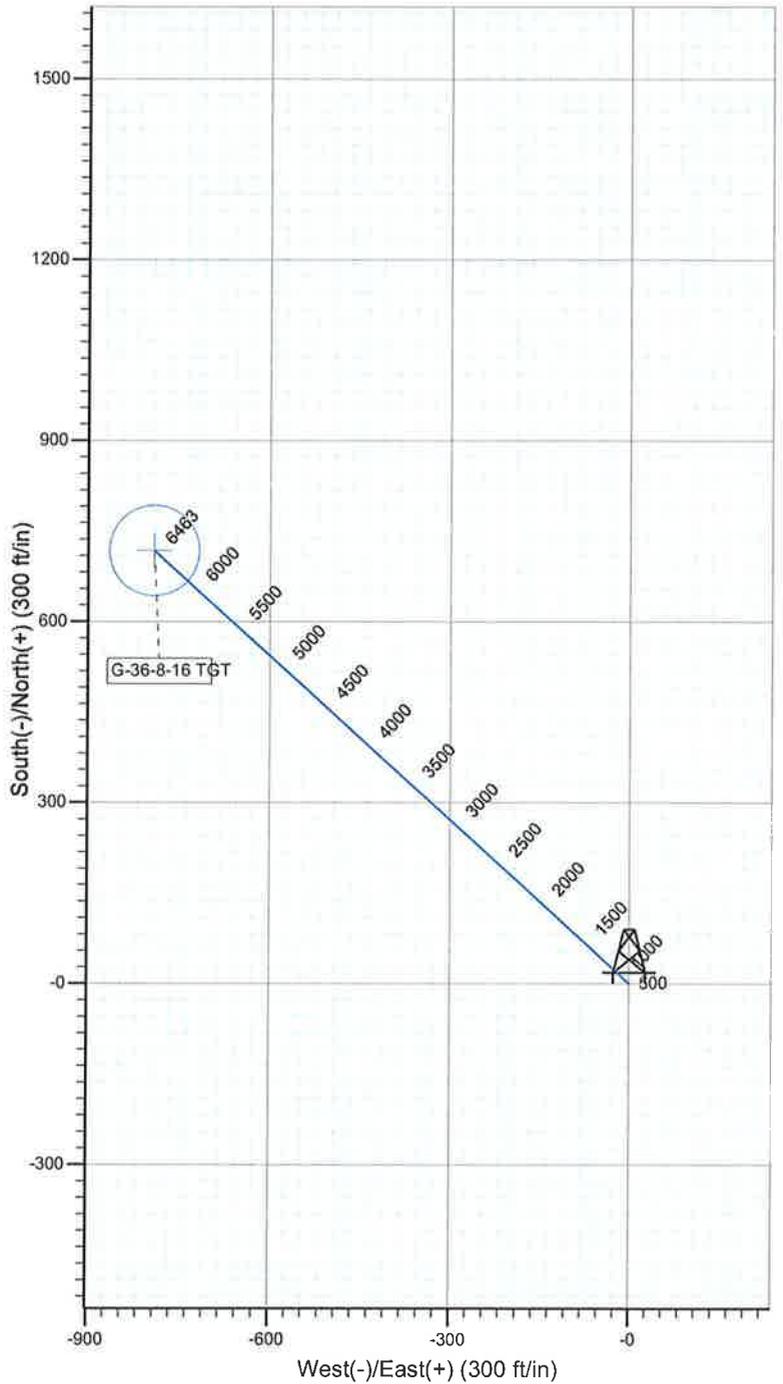
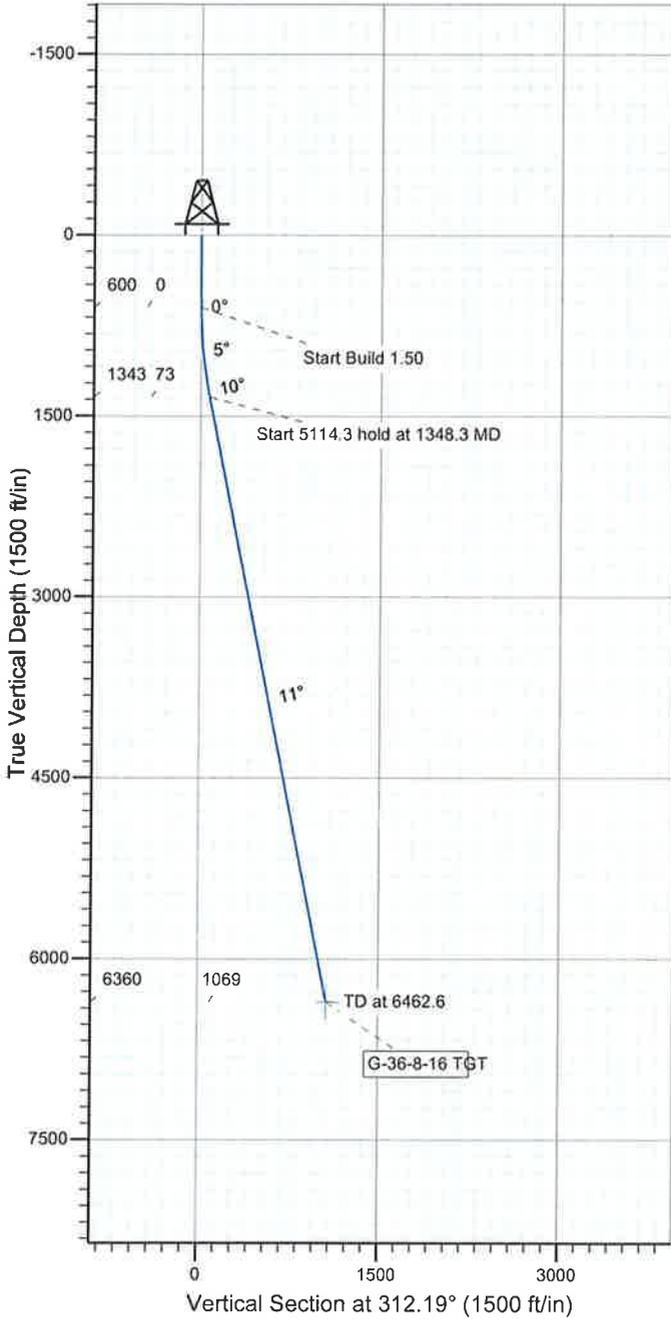
Project: USGS Myton SW (UT)
 Site: SECTION 36
 Well: G-36-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.55°

Magnetic Field
 Strength: 52506.1snT
 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
G-36-8-16 TGT	6360.0	717.6	-791.7	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	1348.3	11.22	312.19	1343.5	49.1	-54.1	1.50	312.19	73.1	
4	6462.6	11.22	312.19	6360.0	717.6	-791.7	0.00	0.00	1068.5	G-36-8-16 TGT





NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 36

G-36-8-16

Wellbore #1

Plan: Design #1

Standard Planning Report

16 July, 2009



HATHAWAY BURNHAM
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well G-36-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	G-36-8-16 @ 5417.0ft
Project:	USGS Myton SW (UT)	MD Reference:	G-36-8-16 @ 5417.0ft
Site:	SECTION 36	North Reference:	True
Well:	G-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	G-36-8-16, SHL LAT 40 04 34.39, LONG -110 04 11.48					
Well Position	+N/-S	-2,936.2 ft	Northing:	7,199,686.21 ft	Latitude:	40° 4' 34.390 N
	+E/-W	-4,707.6 ft	Easting:	2,040,590.39 ft	Longitude:	110° 4' 11.480 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	52,506

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 (°)
	6,360.0	0.0	0.0	312.19

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	
1,348.3	11.22	312.19	1,343.5	49.1	-54.1	1.50	1.50	0.00	312.19	
6,462.6	11.22	312.19	6,360.0	717.6	-791.7	0.00	0.00	0.00	0.00	G-36-8-16 TGT



HATHAWAY BURNHAM
Planning Report



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

Local Co-ordinate Reference: Well G-36-8-16
TVD Reference: G-36-8-16 @ 5417.0ft
MD Reference: G-36-8-16 @ 5417.0ft
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	312.19	700.0	0.9	-1.0	1.3	1.50	1.50	0.00
800.0	3.00	312.19	799.9	3.5	-3.9	5.2	1.50	1.50	0.00
900.0	4.50	312.19	899.7	7.9	-8.7	11.8	1.50	1.50	0.00
1,000.0	6.00	312.19	999.3	14.1	-15.5	20.9	1.50	1.50	0.00
1,100.0	7.50	312.19	1,098.6	21.9	-24.2	32.7	1.50	1.50	0.00
1,200.0	9.00	312.19	1,197.5	31.6	-34.8	47.0	1.50	1.50	0.00
1,300.0	10.50	312.19	1,296.1	43.0	-47.4	64.0	1.50	1.50	0.00
1,348.3	11.22	312.19	1,343.5	49.1	-54.1	73.1	1.50	1.50	0.00
1,400.0	11.22	312.19	1,394.2	55.8	-61.6	83.1	0.00	0.00	0.00
1,500.0	11.22	312.19	1,492.3	68.9	-76.0	102.6	0.00	0.00	0.00
1,600.0	11.22	312.19	1,590.4	82.0	-90.4	122.1	0.00	0.00	0.00
1,700.0	11.22	312.19	1,688.5	95.0	-104.9	141.5	0.00	0.00	0.00
1,800.0	11.22	312.19	1,786.6	108.1	-119.3	161.0	0.00	0.00	0.00
1,900.0	11.22	312.19	1,884.7	121.2	-133.7	180.5	0.00	0.00	0.00
2,000.0	11.22	312.19	1,982.8	134.3	-148.1	199.9	0.00	0.00	0.00
2,100.0	11.22	312.19	2,080.8	147.3	-162.5	219.4	0.00	0.00	0.00
2,200.0	11.22	312.19	2,178.9	160.4	-177.0	238.8	0.00	0.00	0.00
2,300.0	11.22	312.19	2,277.0	173.5	-191.4	258.3	0.00	0.00	0.00
2,400.0	11.22	312.19	2,375.1	186.6	-205.8	277.8	0.00	0.00	0.00
2,500.0	11.22	312.19	2,473.2	199.6	-220.2	297.2	0.00	0.00	0.00
2,600.0	11.22	312.19	2,571.3	212.7	-234.7	316.7	0.00	0.00	0.00
2,700.0	11.22	312.19	2,669.4	225.8	-249.1	336.2	0.00	0.00	0.00
2,800.0	11.22	312.19	2,767.5	238.8	-263.5	355.6	0.00	0.00	0.00
2,900.0	11.22	312.19	2,865.5	251.9	-277.9	375.1	0.00	0.00	0.00
3,000.0	11.22	312.19	2,963.6	265.0	-292.3	394.6	0.00	0.00	0.00
3,100.0	11.22	312.19	3,061.7	278.1	-306.8	414.0	0.00	0.00	0.00
3,200.0	11.22	312.19	3,159.8	291.1	-321.2	433.5	0.00	0.00	0.00
3,300.0	11.22	312.19	3,257.9	304.2	-335.6	453.0	0.00	0.00	0.00
3,400.0	11.22	312.19	3,356.0	317.3	-350.0	472.4	0.00	0.00	0.00
3,500.0	11.22	312.19	3,454.1	330.3	-364.4	491.9	0.00	0.00	0.00
3,600.0	11.22	312.19	3,552.2	343.4	-378.9	511.4	0.00	0.00	0.00
3,700.0	11.22	312.19	3,650.2	356.5	-393.3	530.8	0.00	0.00	0.00
3,800.0	11.22	312.19	3,748.3	369.6	-407.7	550.3	0.00	0.00	0.00
3,900.0	11.22	312.19	3,846.4	382.6	-422.1	569.7	0.00	0.00	0.00
4,000.0	11.22	312.19	3,944.5	395.7	-436.6	589.2	0.00	0.00	0.00
4,100.0	11.22	312.19	4,042.6	408.8	-451.0	608.7	0.00	0.00	0.00
4,200.0	11.22	312.19	4,140.7	421.9	-465.4	628.1	0.00	0.00	0.00
4,300.0	11.22	312.19	4,238.8	434.9	-479.8	647.6	0.00	0.00	0.00
4,400.0	11.22	312.19	4,336.9	448.0	-494.2	667.1	0.00	0.00	0.00
4,500.0	11.22	312.19	4,434.9	461.1	-508.7	686.5	0.00	0.00	0.00
4,600.0	11.22	312.19	4,533.0	474.1	-523.1	706.0	0.00	0.00	0.00
4,700.0	11.22	312.19	4,631.1	487.2	-537.5	725.5	0.00	0.00	0.00
4,800.0	11.22	312.19	4,729.2	500.3	-551.9	744.9	0.00	0.00	0.00
4,900.0	11.22	312.19	4,827.3	513.4	-566.4	764.4	0.00	0.00	0.00
5,000.0	11.22	312.19	4,925.4	526.4	-580.8	783.9	0.00	0.00	0.00
5,100.0	11.22	312.19	5,023.5	539.5	-595.2	803.3	0.00	0.00	0.00
5,200.0	11.22	312.19	5,121.6	552.6	-609.6	822.8	0.00	0.00	0.00



HATHAWAY BURNHAM
Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36
Well: G-36-8-16
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well G-36-8-16
TVD Reference: G-36-8-16 @ 5417.0ft
MD Reference: G-36-8-16 @ 5417.0ft
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	11.22	312.19	5,219.6	565.6	-624.0	842.3	0.00	0.00	0.00
5,400.0	11.22	312.19	5,317.7	578.7	-638.5	861.7	0.00	0.00	0.00
5,500.0	11.22	312.19	5,415.8	591.8	-652.9	881.2	0.00	0.00	0.00
5,600.0	11.22	312.19	5,513.9	604.9	-667.3	900.6	0.00	0.00	0.00
5,700.0	11.22	312.19	5,612.0	617.9	-681.7	920.1	0.00	0.00	0.00
5,800.0	11.22	312.19	5,710.1	631.0	-696.2	939.6	0.00	0.00	0.00
5,900.0	11.22	312.19	5,808.2	644.1	-710.6	959.0	0.00	0.00	0.00
6,000.0	11.22	312.19	5,906.3	657.2	-725.0	978.5	0.00	0.00	0.00
6,100.0	11.22	312.19	6,004.3	670.2	-739.4	998.0	0.00	0.00	0.00
6,200.0	11.22	312.19	6,102.4	683.3	-753.8	1,017.4	0.00	0.00	0.00
6,300.0	11.22	312.19	6,200.5	696.4	-768.3	1,036.9	0.00	0.00	0.00
6,400.0	11.22	312.19	6,298.6	709.4	-782.7	1,056.4	0.00	0.00	0.00
6,462.6	11.22	312.19	6,360.0	717.6	-791.7	1,068.5	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
G-36-8-16 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	6,360.0	717.6	-791.7	7,200,391.02	2,039,787.38	40° 4' 41.481 N	110° 4' 21.665 W

NEWFIELD PRODUCTION COMPANY
MONUMENT BUTTE EAST STATE G-36-8-16
AT SURFACE: SE/NW 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 – 1655'
Green River	1655'
Wasatch	6463'

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

Green River Formation 1655' – 6463' -- 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 & Sample 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 G-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'	6,463'	15.5	J-55	LTC	4,810	4,040	217,000
						2.34	1.96	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 G-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	4,463'	Prem Lite II w/ 10% gel + 3% KCl	308	30%	11.0	3.26
			1005			
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 PBSD 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.

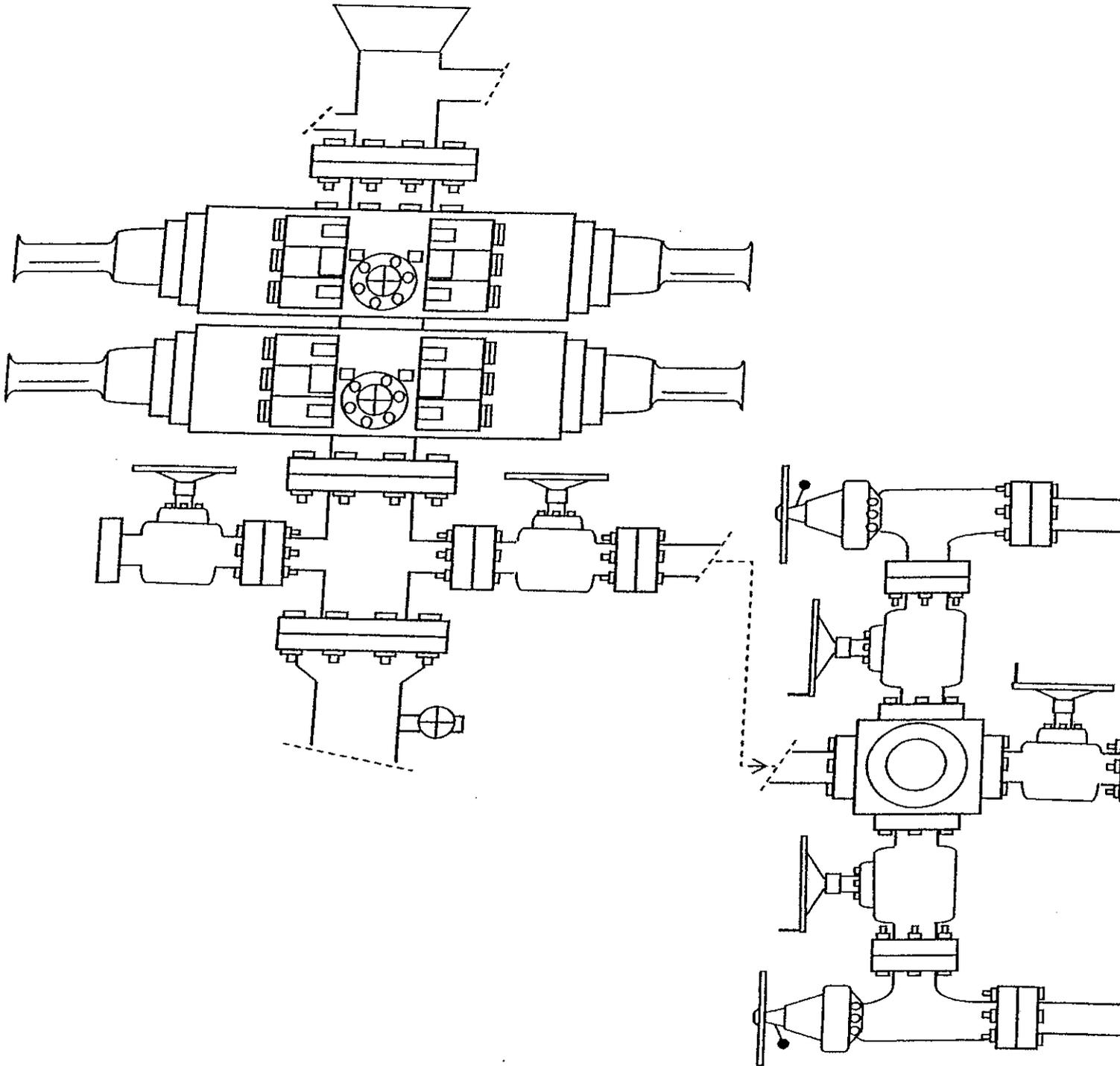
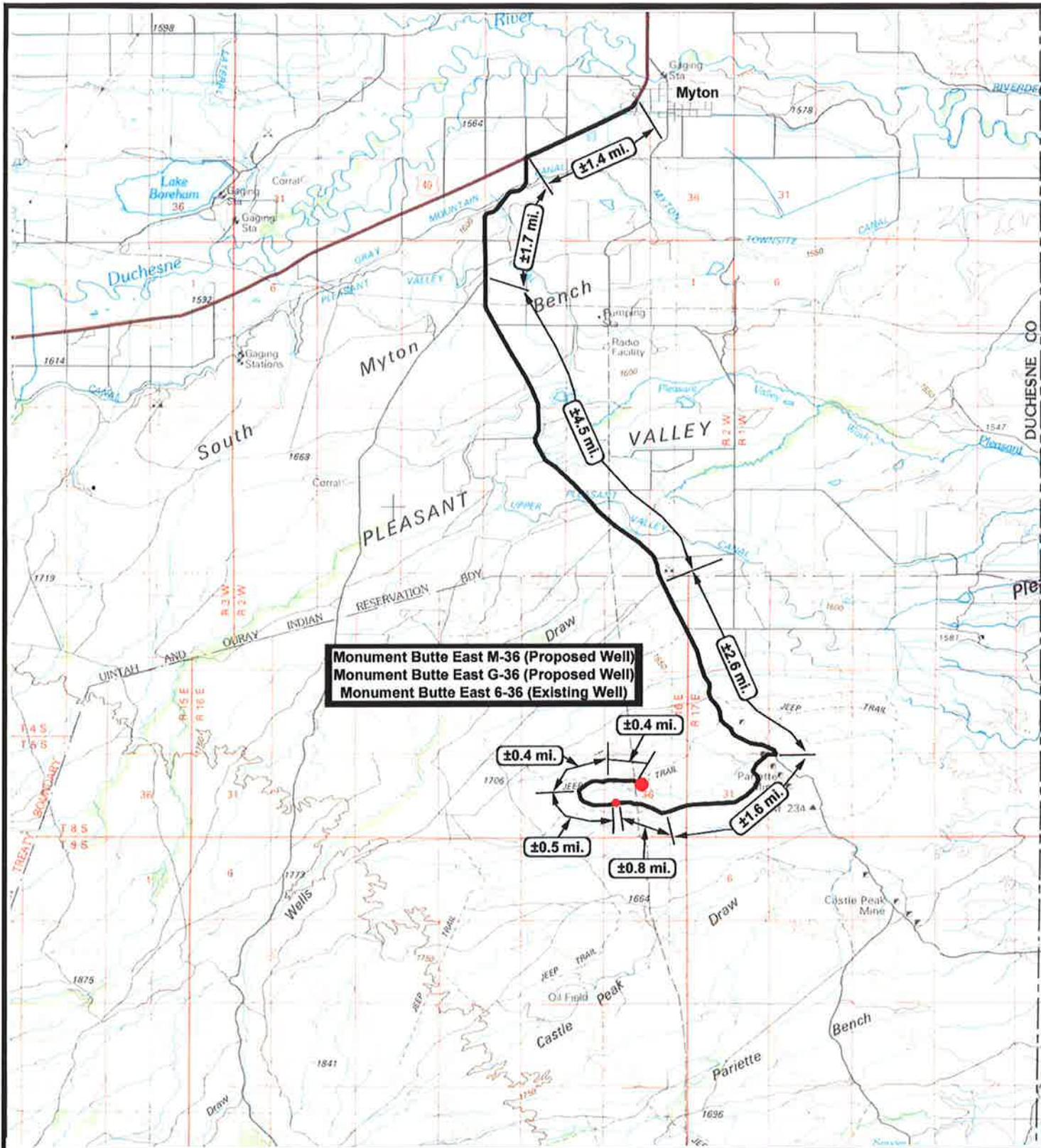


EXHIBIT C

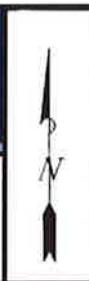


Monument Butte East M-36 (Proposed Well)
Monument Butte East G-36 (Proposed Well)
Monument Butte East 6-36 (Existing Well)



NEWFIELD
Exploration Company

Monument Butte East M-36-8-16 (Proposed Well)
Monument Butte East G-36-8-16 (Proposed Well)
Monument Butte East 6-36-8-16 (Existing Well)
 Pad Location: SENW SEC. 36, T8S, R16E, S.L.B.&M.




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 180 North Vernal Ave. Vernal, Utah 84078

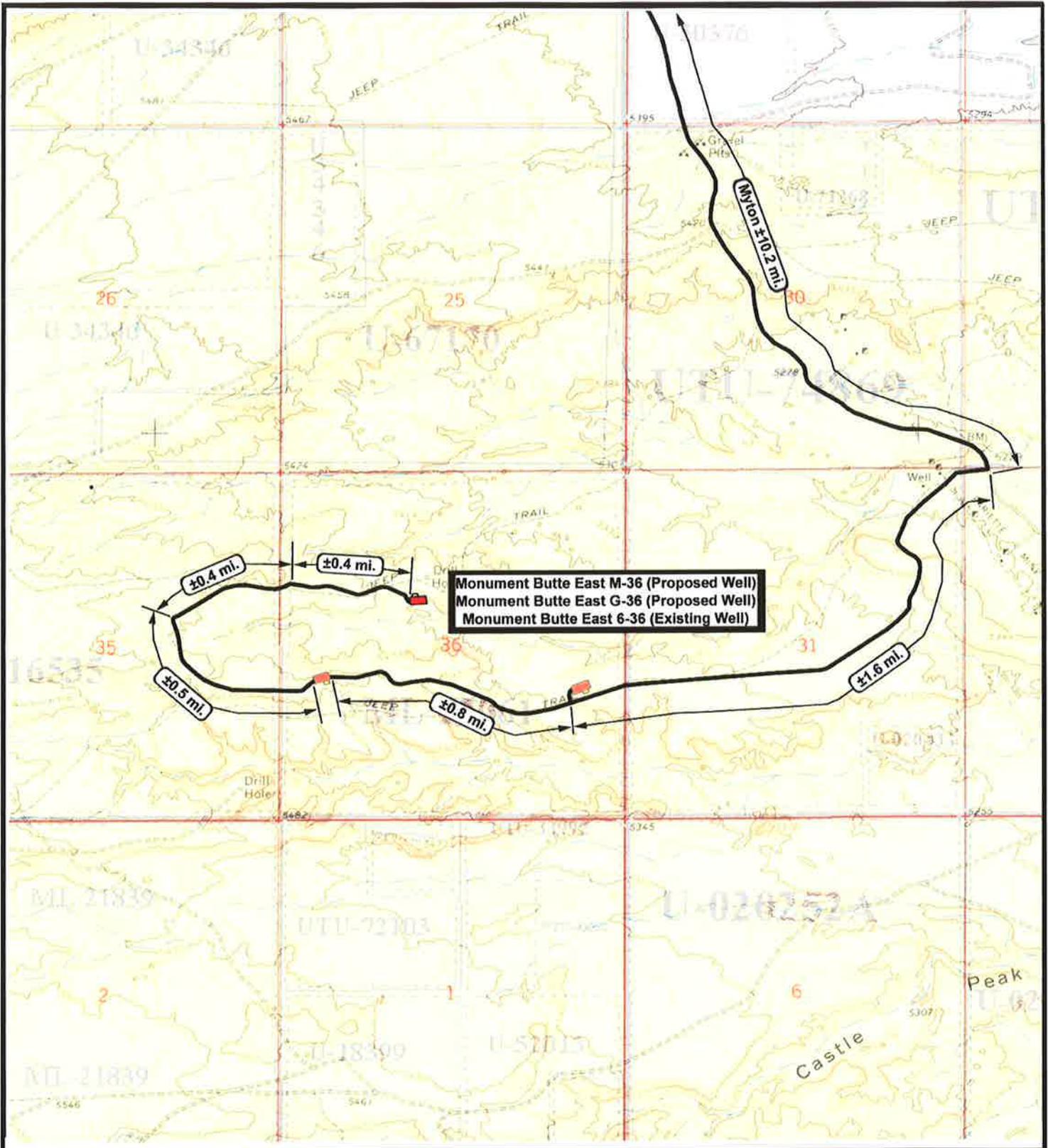
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-23-2009

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Monument Butte East M-36-8-16 (Proposed Well)
Monument Butte East G-36-8-16 (Proposed Well)
Monument Butte East 6-36-8-16 (Existing Well)
 Pad Location: SENW 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: 06-23-2009

Legend

Existing Road

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Monument Butte East M-36-8-16 (Proposed Well)
Monument Butte East G-36-8-16 (Proposed Well)
Monument Butte East 6-36-8-16 (Existing Well)
 Pad Location: SENW SEC. 36, T8S, R16E, S.L.B.&M.



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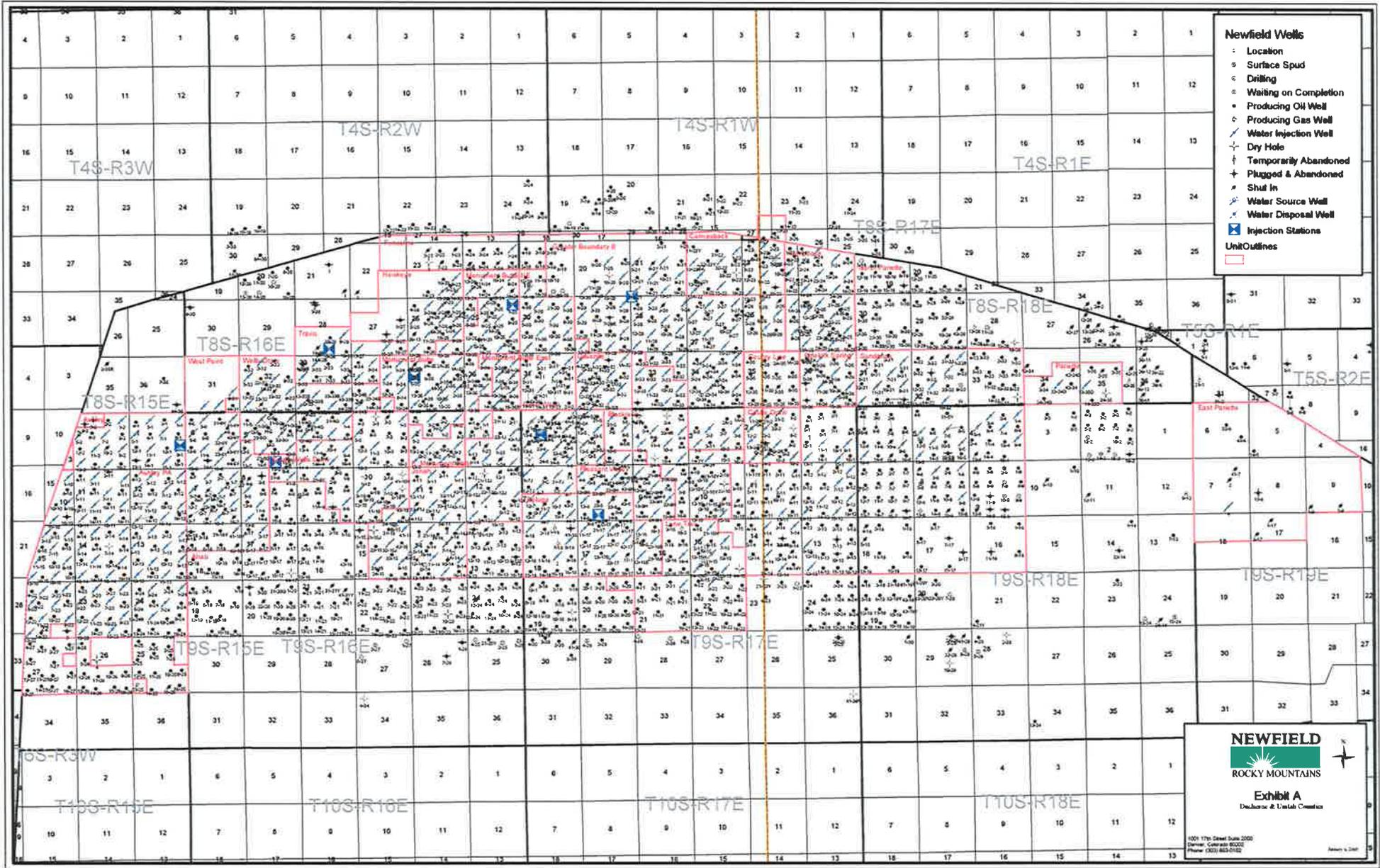
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 DRAWN BY: JAS
 DATE: 06-23-2009

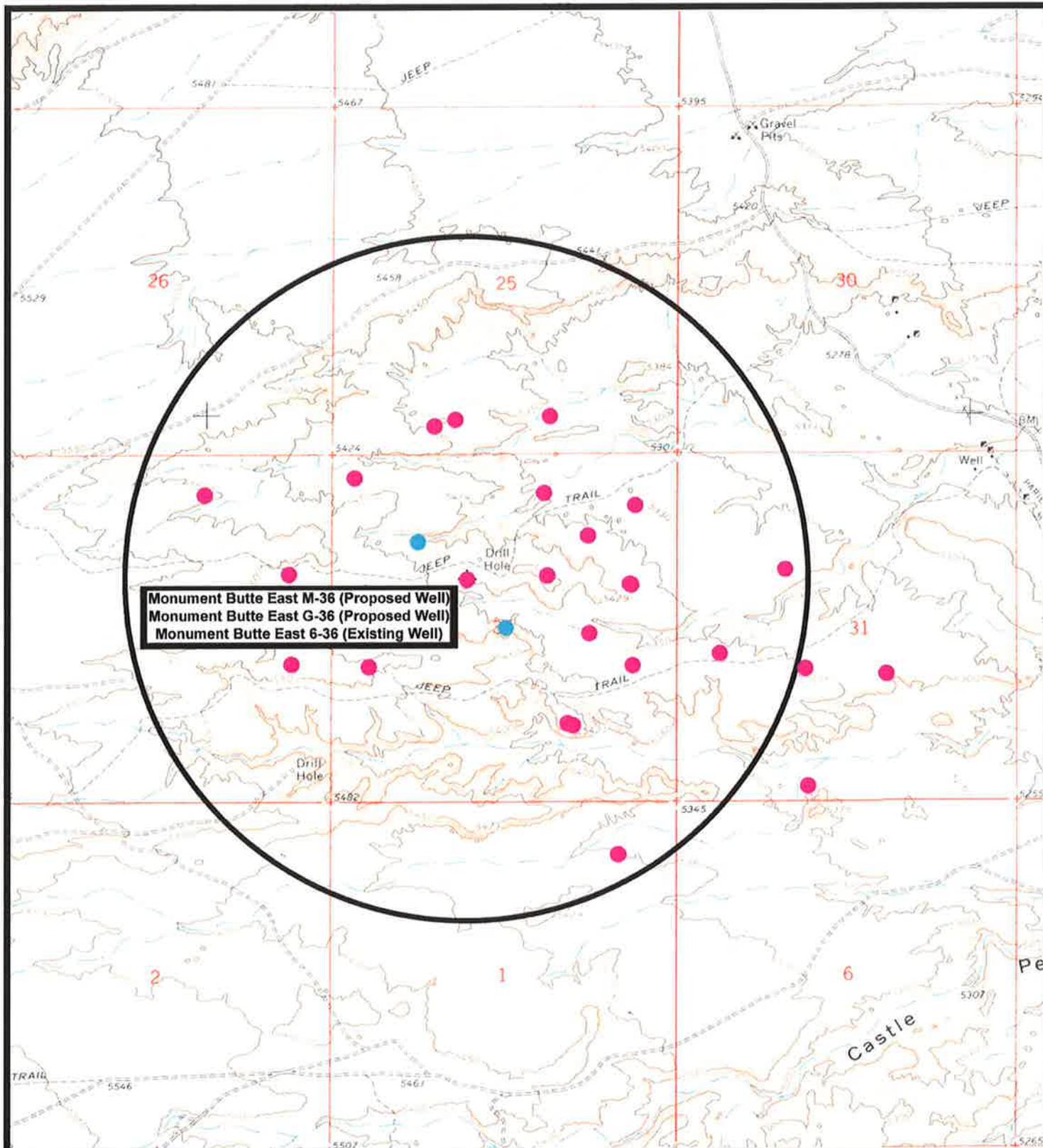
Legend

— Roads

TOPOGRAPHIC MAP

"C"





Monument Butte East M-36 (Proposed Well)
Monument Butte East G-36 (Proposed Well)
Monument Butte East 6-36 (Existing Well)



NEWFIELD
Exploration Company

Monument Butte East M-36-8-16 (Proposed Well)
Monument Butte East G-36-8-16 (Proposed Well)
Monument Butte East 6-36-8-16 (Existing Well)
 Pad Location: SENW 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: 06-24-2009

Legend

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

Exhibit "B"

NEWFIELD PRODUCTION COMPANY
MONUMENT BUTTE EAST STATE G-36-8-16
AT SURFACE: SE/NW 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 G-36-8-16 located in the SE ¼ NW 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 - 8.8 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 - 0.8 miles to the existing 6-36-8-16 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 6-36-8-16 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 6-36-8-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed G-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 G-36-8-16 will be drilled off of the existing 6-36-8-16 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 G-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 G-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 #G-36-8-16, SE/NW 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.

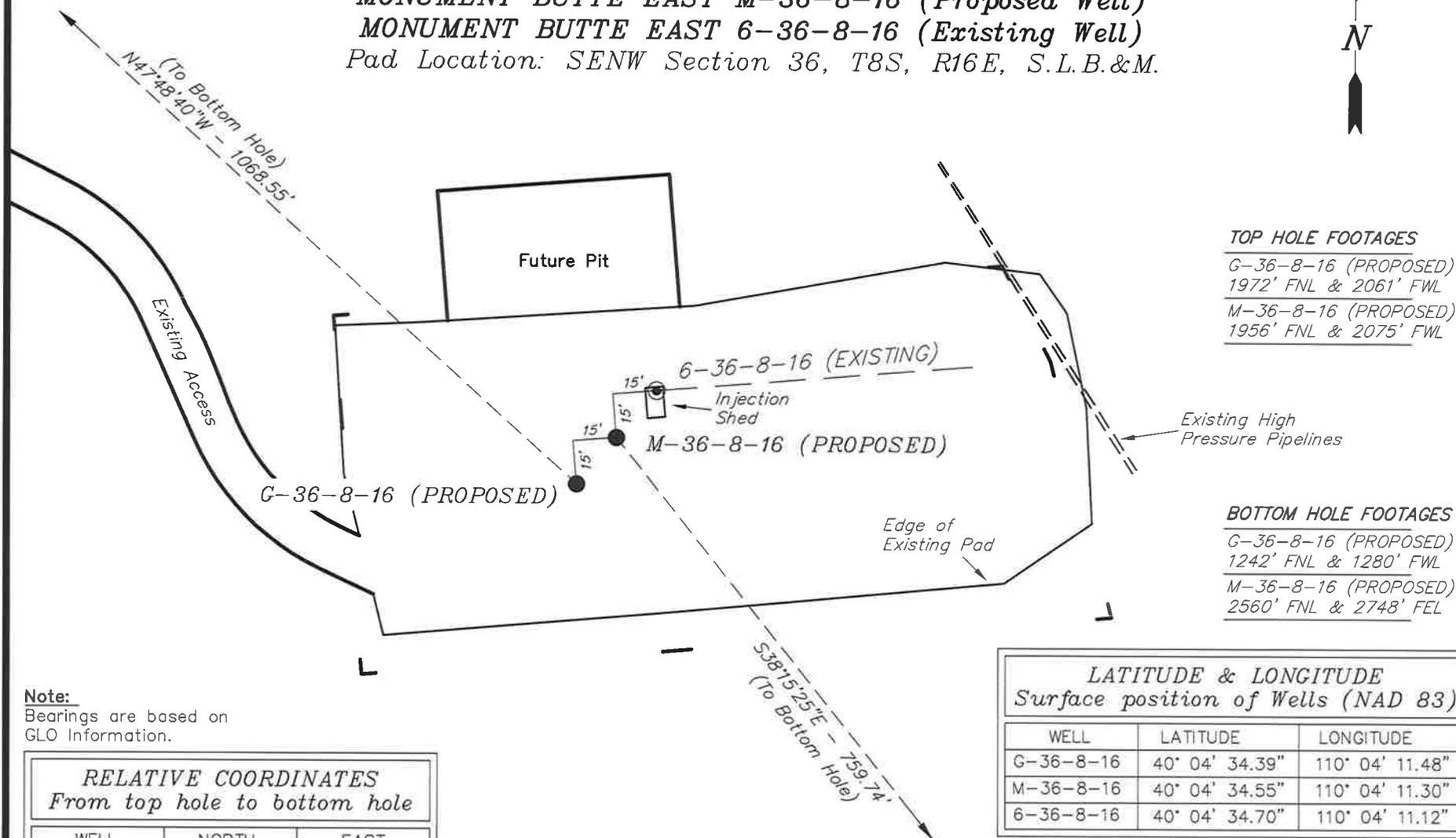
8/17/09
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

MONUMENT BUTTE EAST G-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST M-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST 6-36-8-16 (Existing Well)
 Pad Location: SENW Section 36, T8S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

G-36-8-16 (PROPOSED)
 1972' FNL & 2061' FWL
 M-36-8-16 (PROPOSED)
 1956' FNL & 2075' FWL

BOTTOM HOLE FOOTAGES

G-36-8-16 (PROPOSED)
 1242' FNL & 1280' FWL
 M-36-8-16 (PROPOSED)
 2560' FNL & 2748' FEL

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
G-36-8-16	40° 04' 34.39"	110° 04' 11.48"
M-36-8-16	40° 04' 34.55"	110° 04' 11.30"
6-36-8-16	40° 04' 34.70"	110° 04' 11.12"

Note:
Bearings are based on
GLO Information.

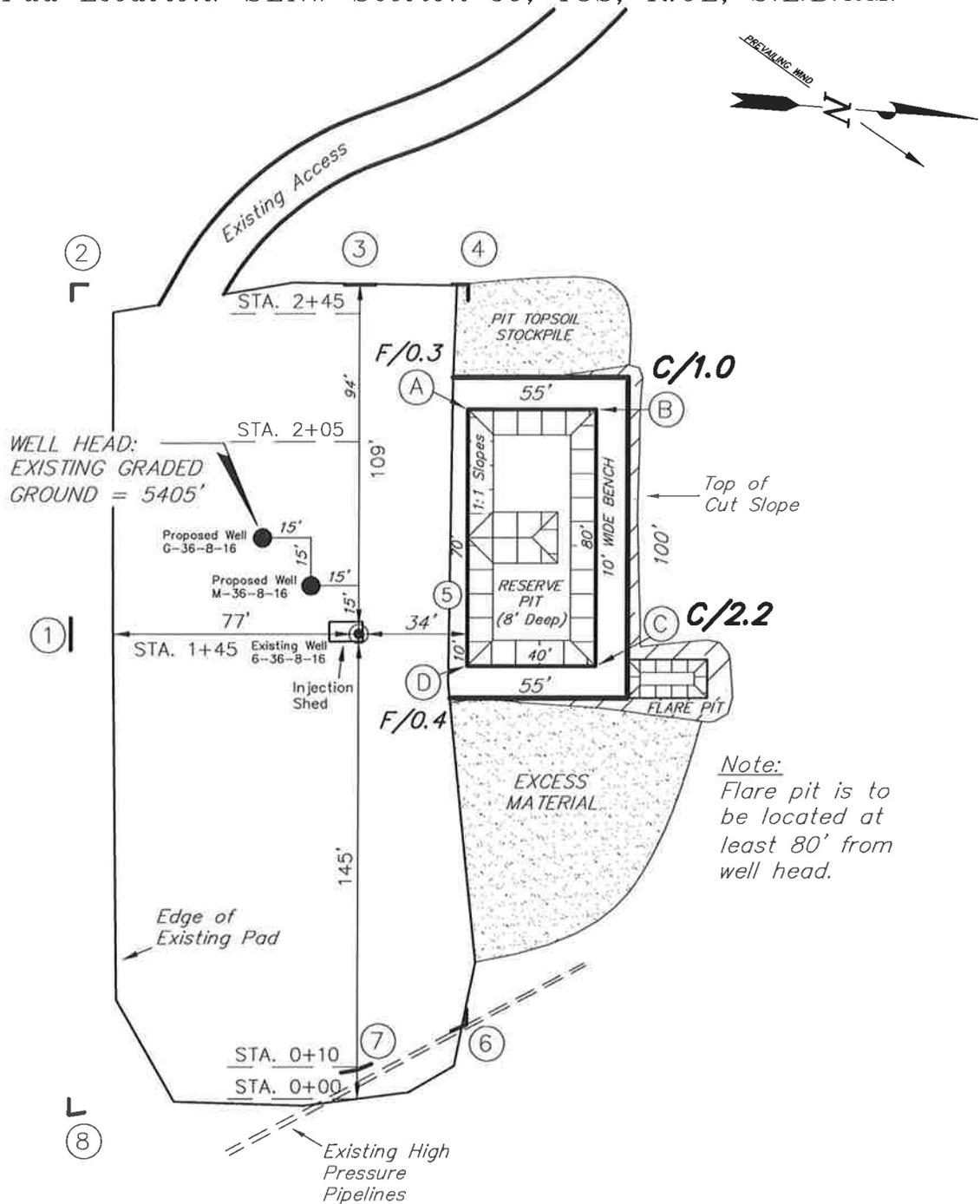
RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
G-36-8-16	-792'	718'
M-36-8-16	-597'	470'

SURVEYED BY: T.H. DATE SURVEYED: 06-17-09
 DRAWN BY: F.T.M. DATE DRAWN: 06-29-09
 SCALE: 1" = 50' REVISED:

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

NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE EAST C-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST M-36-8-16 (Proposed Well)
MONUMENT BUTTE EAST 6-36-8-16 (Existing Well)
 Pad Location: SENW Section 36, T8S, R16E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 06-17-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-29-09
SCALE: 1" = 50'	REVISED:

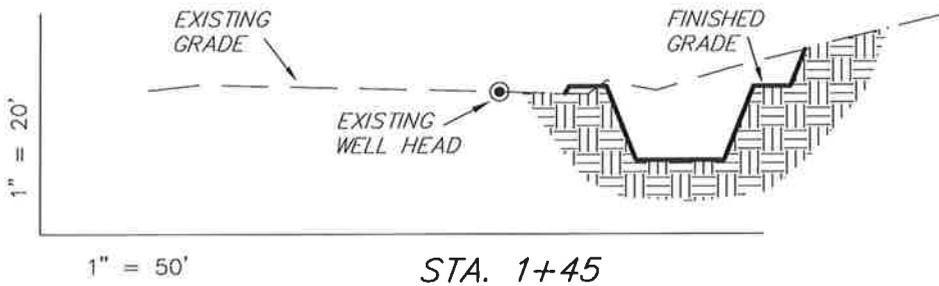
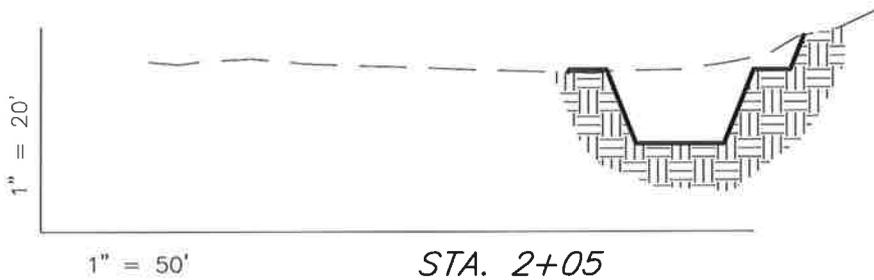
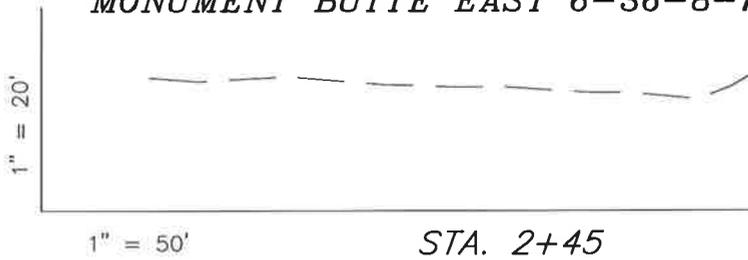
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NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

- MONUMENT BUTTE EAST G-36-8-16 (Proposed Well)
- MONUMENT BUTTE EAST M-36-8-16 (Proposed Well)
- MONUMENT BUTTE EAST 6-36-8-16 (Existing Well)



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	180	20	Topsoil is not included in Pad Cut	160
PIT	640	0		640
TOTALS	820	20	140	800

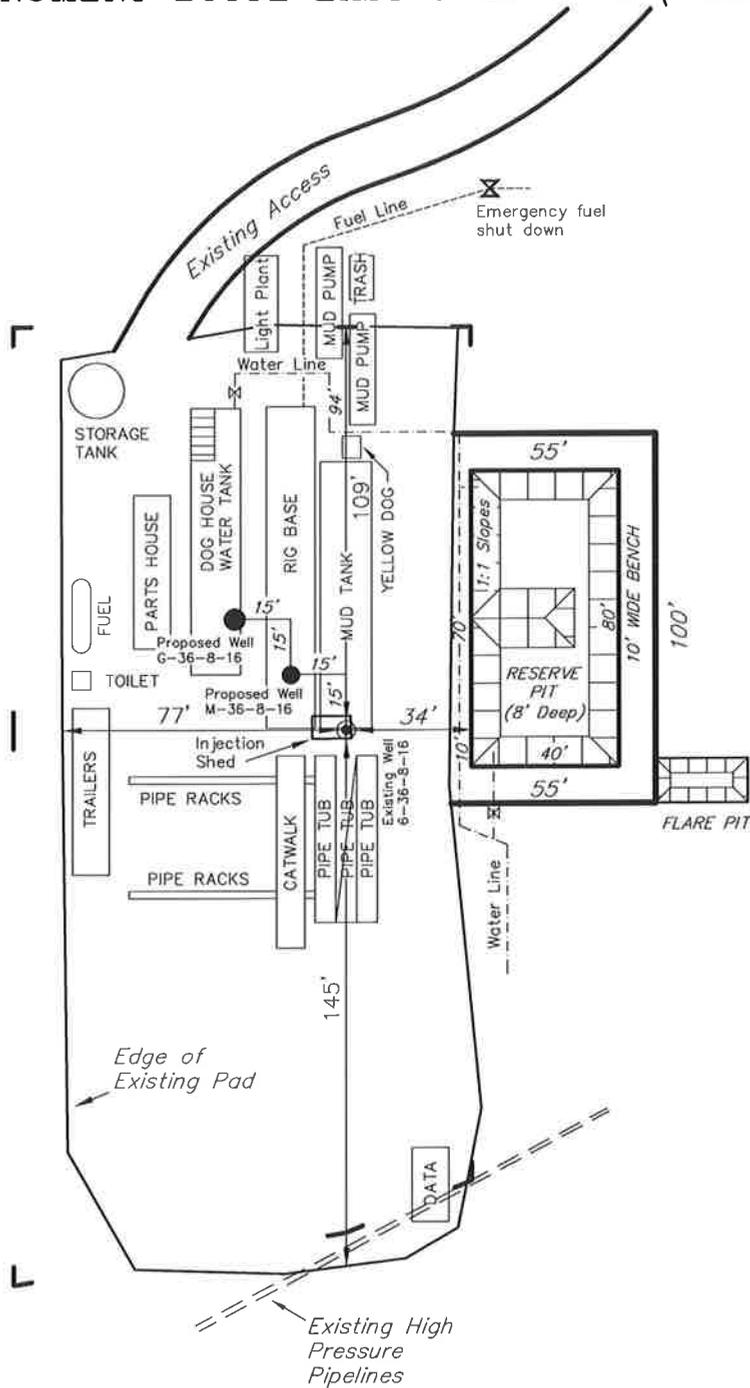
SURVEYED BY: T.H.	DATE SURVEYED: 06-17-09	
DRAWN BY: F.T.M.	DATE DRAWN: 06-29-09	
SCALE: 1" = 50'	REVISED:	

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

MONUMENT BUTTE EAST G-36-8-16 (Proposed Well)
 MONUMENT BUTTE EAST M-36-8-16 (Proposed Well)
 MONUMENT BUTTE EAST 6-36-8-16 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 06-17-09
DRAWN BY: F.T.M.	DATE DRAWN: 06-29-09
SCALE: 1" = 50'	REVISED:

(435) 781-2501

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

Newfield Production Company Proposed Site Facility Diagram

Monument Butte East State G-36-8-16

From the Mon. Butte State 6-36-8-16 Location

SE/NW Sec. 36 T8S, R16E

Duchesne County, Utah

ML-22061

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

Production Phase:

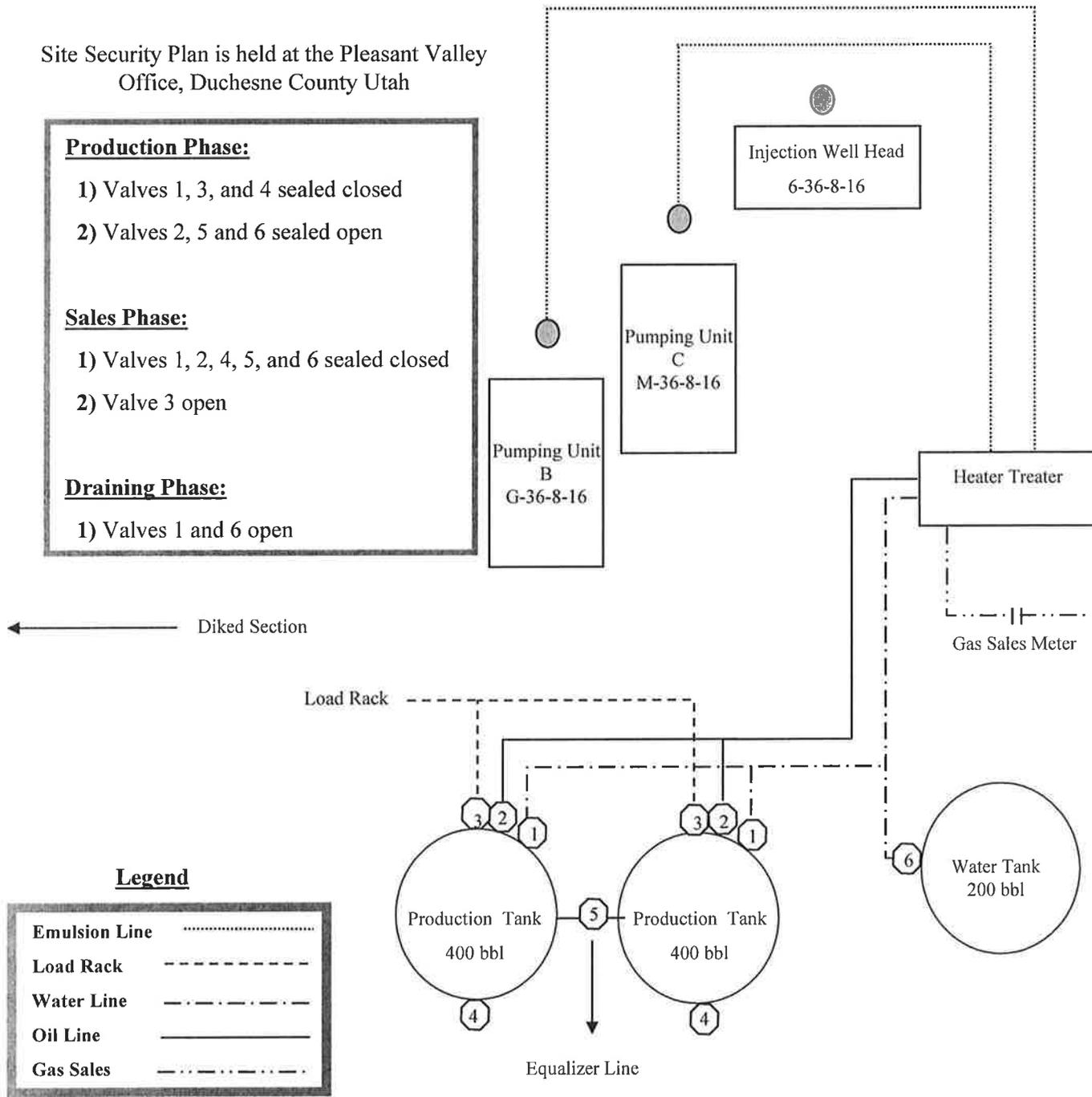
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

Sales Phase:

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

Draining Phase:

- 1) Valves 1 and 6 open



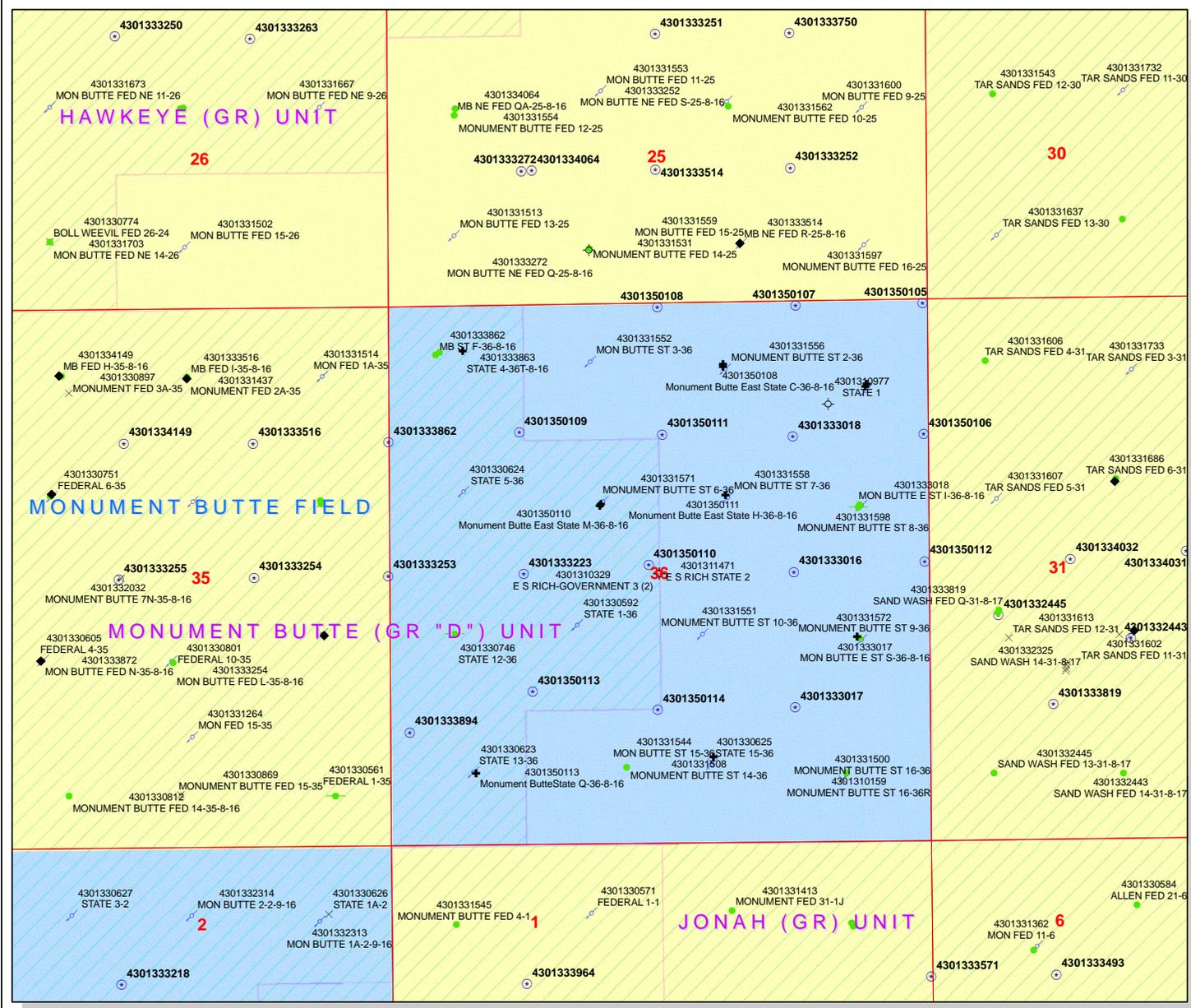
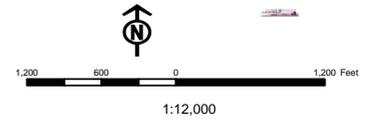
Legend

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

API Number: 4301350109
Well Name: Monument Butte East State G-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	<all other values>
ACTIVE	APD
EXPLORATORY	DRL
GAS STORAGE	GI
NF PP OIL	GS
NF SECONDARY	LA
PI OIL	NEW
PP GAS	OPS
PP GEOTHERMAL	PA
PP OIL	PGW
SECONDARY	POW
TERMINATED	RET
Fields	SGW
STATUS	SOW
ACTIVE	TA
COMBINED	TW
Sections	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 G-36-8-		
String	Surf	Prod	
Casing Size(")	8.625	5.500	
Setting Depth (TVD)	400	6360	
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)	2754	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 OK
Required Casing/BOPE Test Pressure=		400	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

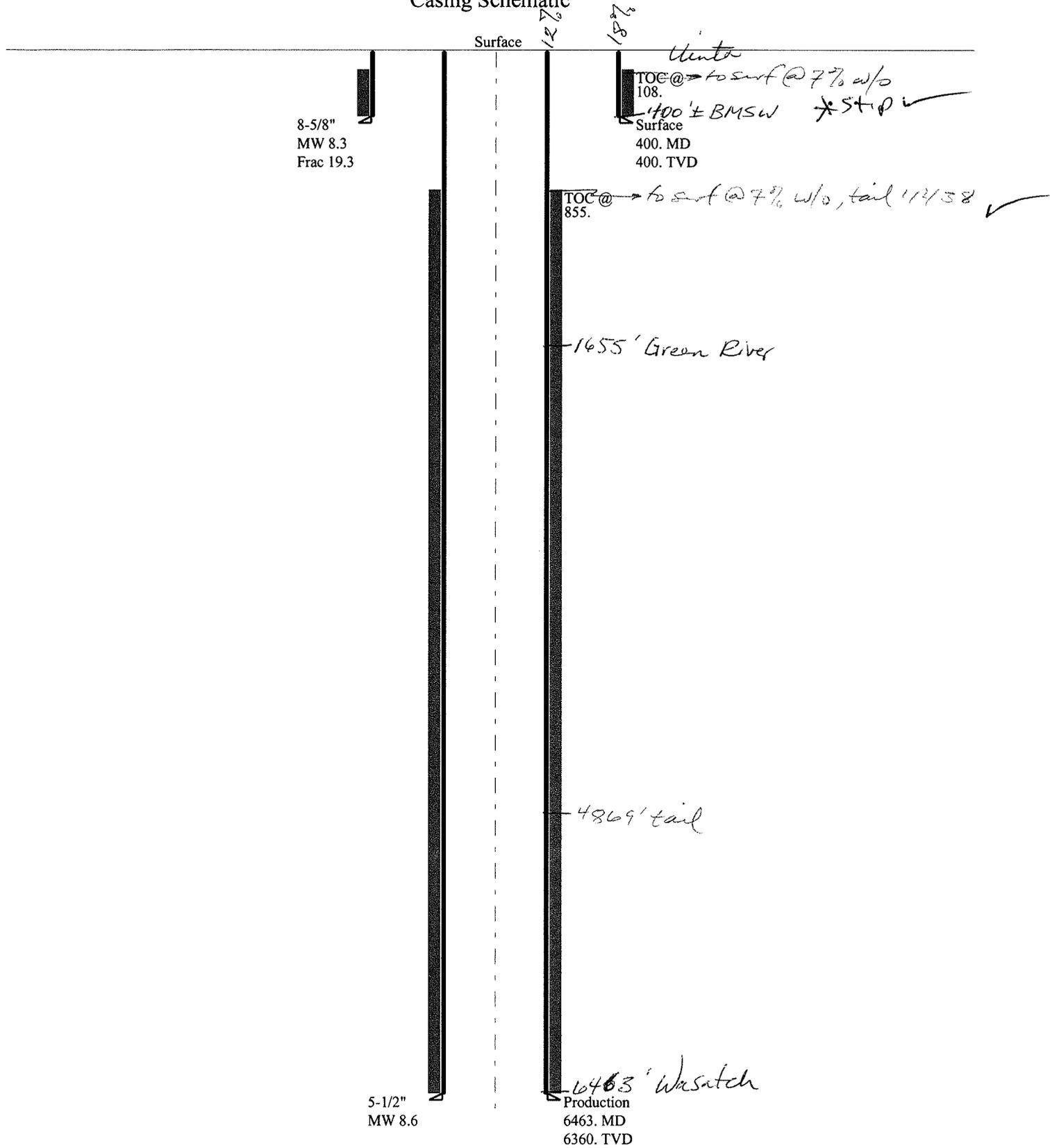
Calculations	Prod String	5.500	"
Max BHP (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	2844	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	2081	NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	1445	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	1533	NO Reasonable depth in 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

43013501090000 Monument Butte East State G-36-8-16

Casing Schematic



Well name:	43013501090000 Monument Butte East State G-36-8-16	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50109
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: 6,360 ft
Next mud weight: 8.600 ppg
Next setting BHP: 2,842 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	7.915	400	2950	7.37	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 2, 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:	43013501090000 Monument Butte East State G-36-8-16	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-50109
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: 855 ft

Burst

Max anticipated surface pressure: 1,442 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,842 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: 5,619 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1068 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 11.22 °

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	6463	5.5	15.50	J-55	LT&C	6360	6463	4.825	22821
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	2842	4040	1.422	2842	4810	1.69	98.6	217	2.20 J

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

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

Date: September 2, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6360 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 G-36-8-16
Greater Monument Butte (Green River) Unit
ML-22061
Surface Hole: T8S-R16E Section 36: SENW
1972' FNL 2061' FWL

At Target: T8S-R16E Section 36: NWNW
1242' FNL 1280' FWL

43-013-50109

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, appearing to read "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

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 G-36-8-16
API Number 43013501090000 **APD No** 1902 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 36 **Tw** 8.0S **Rng** 16.0E 1972 FNL 2061 FWL
GPS Coord (UTM) 579374 4436428 **Surface Owner**

Participants

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

Regional/Local Setting & Topography

The proposed Monument Butte East State G-36-8-16 and the Monument Butte East State M-36-8-16 are proposed oil wells to be directionally drilled from the existing pad of the Monument Butte East State 6-36-8-16 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 northwest 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	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	40	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug near the original location. 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
1902	43013501090000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Monument Butte East State G-36-8-16		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SEW 36 8S 16E S 1972 FNL 2061 FWL GPS Coord (UTM) 579376E 4436423N				

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 G-36-8-16 and the Monument Butte East State M-36-8-16 are proposed oil wells to be directionally drilled from the existing pad of the Monument Butte East State 6-36-8-16 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 northwest 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: 43013501090000

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

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SENW 36 080S 160E

Permit Tech Review:

SURFACE: 1972 FNL 2061 FWL

Engineering Review:

BOTTOM: 1242 FNL 1280 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.07623

LONGITUDE: -110.06910

UTM SURF EASTINGS: 579376.00

NORTHINGS: 4436423.00

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**

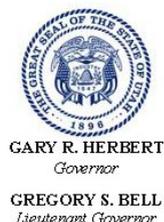
Commingle Approved

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 G-36-8-16
API Well Number: 43013501090000
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 #21

Submitted By Mitch Benson

Phone Number (435) 823-5885

Name/Number Monument Butte East State G-36-8-16

Qtr/Qrt SE/NW Section 36 Township 8S Range 16E

Lease Serial Number ML-22061

API Number 43-013-50109

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

Date/Time 5/24/2010 9:00:00 AM

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

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

Date/Time 5/24/2010 4:00:00 PM

Remarks:

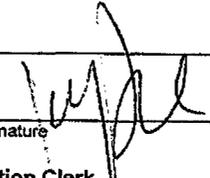
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	17633	4301350292	UTE TRIBAL 15-27-4-3	SWSE	27	4S	30 ^W	DUCHESNE	6/2/2010	6/7/10
WELL 1 COMMENTS: GRRV											
CONFIDENTIAL											
B	99999	17400	✓ 4301334158 4301334159	LONE TREE FEDERAL H-22-9-17	SENW	22	9S	17E	DUCHESNE	5/17/2010	6/7/10
GRRV BHL = N W N E											
A	99999	17634	4304750967	CHASEL 3-23-4-1 W	NENW	23	4S	1W	UINTAH	5/22/2010	6/7/10
GRRV											
B	99999	17400	✓ 4304740411	CASTLE DRAW ST H-2-9-17	NENW	2	9S	17E	UINTAH	5/24/2010	6/7/10
GRRV BHL = N E N W											
b	99999	17400	✓ 4301350110	ST MON BUTTE EAST M-36-8-16	SENW	36	8S	16E	DUCHESNE	5/22/2010	6/7/10
WELL 5 COMMENTS: GRRV BHL = S E N W											
B	99999	17400	✓ 4301350109	ST MON BUTTE EAST G-36-8-16	SENW	36	8S	16E	DUCHESNE	5/24/2010	6/7/10
WELL 5 COMMENTS: GRRV BHL = N W N W											

ACTION CODES (See instructions on back of form)
 A - 1 new entity for new well (single well only)
 B - 1 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 - thor (explain in comments section)

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

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 JUN 02 2010

DIV. OF OIL, GAS & MINING

Signature: 
 Jentri Park
 Production Clerk
 Date: 06/02/10

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22061
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
8. WELL NAME and NUMBER: MON BUTTE EAST G-36-8-16
9. API NUMBER: 4301350109
10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

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.

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

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 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: 05/27/2010	<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 5/24/10 MIRU Ross # 21. Spud well @ 8:00 AM. Drill 435' of 12 1/4" hole with air mist. TIH W/ 10 Jt's 8 5/8" J-55 24 # csgn. Set @ 433.97 KB On 5/26/10 cement with 200 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Alvin Nielsen TITLE Drilling Foreman
SIGNATURE *Alvin Nielsen* DATE 05/27/2010

(This space for State use only)

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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 G-36-8-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350109

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 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: <u>07/07/2010</u>	<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 07-07-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE  DATE 07/07/2010

(This space for State use only)

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JUL 12 2010
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

MON BUTTE EAST G-36-8-16

4/1/2010 To 8/30/2010

6/24/2010 Day: 1

Completion

Rigless on 6/24/2010 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6404' cement top @ 48'. Perforate CP3/CP4/CP5 sds as shown in perforation report. 149 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$12,497

6/29/2010 Day: 2

Completion

Rigless on 6/29/2010 - Frac well. Flow well back. Well won't flow back. 3 stage left to frac. - Stage #1; RU BJ Services "Ram Head" frac flange. RU BJ & open well w/ 500 psi on casing. Perfs broke down @ 2782 back to 2471 w/ 3 bpm w/ 4 bbls. ISIP was 1865 w/ .73FG. 1 min was 1643. 4 min was 1390. Pump 6 bbls of 15% HCL acid (had 900 psi drop when hit perfs). Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 20,243#'s of 20/40 sand in 366 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3104 w/ ave rate of bpm 40 w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2046 w/ .76FG. 5 min was 1821. 10 min was 1788. 15 min was 1767. Leave pressure on well. 515 bbls EWTR. - Stage #2; RU Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite (6K) flow through frac plug & perf guns. Set plug @ 5760'. Perferate A3 sds @ 5666-69', 5646-49' w/ 3-1/8" Port Guns (11 gram, .36"EH, 120°, 16.82pen) w/ 3 spf for total of 18 shots. RU BJ & open well w/ 1760 psi on casing. Perfs broke down @ 2337 back to 2344 w/ 3 bpm w/ 2 bbls. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 20,017#'s of 20/40 sand in 334 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3290 w/ ave rate of bpm 29 w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2606 w/ .89FG. 5 min was 2170. 10 min was 2070. 15 min was 2013. Leave pressure on well. 849 bbls EWTR. RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5500'. Perferate B2 sds @ 5402-04', 5363-65' & C sds @ 5242-48' w/ 3 spf for total of 30 shots. RU BJ & open well w/ 1029 psi on casing. Perfs won't break down. RIH w/ Dump Bailer & spot 8 gals of 15% HCL acid on sand @ 5225'. RU BJ & perfs won't break down. Well won't flow back. RD WLT & BJ. MIRUSU.

Daily Cost: \$0

Cumulative Cost: \$60,281

6/30/2010 Day: 3

Completion

Nabors #814 on 6/30/2010 - MIRUSU. TIH w;/ tbg & C/O sand. - MIRUSU. Open well w/ 1200 psi on casing (bled right off no flow). Instal pipe rames on BOP's. Spot trailer of tbg. Tally, drift & TIH w/ NC, new J-55, 2-7/8", 6.5#, 8eue tbg to tag fill @ 5015'. C/O to 5450' (435' sd). TOOH w/ 5 jts tbg. Leave EOT @ 5200'. SIFN.

Daily Cost: \$0

Cumulative Cost: \$99,984

7/1/2010 Day: 4

Completion

Nabors #814 on 7/1/2010 - TOOH w/ tbg. Finish frac well. - Stage #5; RU WLT. RIH w/ frac

plug & perf guns. Set plug @ 4640'. Perferate GB4 sds @ 4535-45', 4519-21' w/ 3 spf for total of 36 shots. RU BJ & open well w/ 1423 psi on casing. Perfs broke down @ 1728 psi back to 1597 psi w/ 2 bbls of fluid @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 70,959#'s of 20/40 sand in 590 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2681 w/ ave rate of 40 bpm w/ 8 ppg of sand. ISIP was 2185 w/ .92FG. 5 min was 1994. 10 min was 1951. 15 min was 1870. 2318 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 6 hours & turned to oil. SIFN w/ 1540 bbls EWTR. - Stage #3; Open well w/ 40 psi on well. TIH w/ tbg to tag no new sand. TOOH w/ tbg. RD pipe rams. RU BJ Services "Ram Head" frac flange. RU BJ & open well w/ 164 psi on casing. Perfs broke down @ 2210 psi back to 867 psi w/ 4 bbls of fluid @ 4 bpm. Pump 30 gals of Techni Hib chemical @ 4% by volume. Frac w/ 45,036#'s of 20/40 sand in 448 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2842 w/ ave rate of 43 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2019 w/ .81FG. 5 min was 1840. 10 min was 1752. 15 min was 1667. Leave pressure on well. 1267 bbls EWTR. - Stage #4; RU WLT, crane & lubricator. RIH w/ frac plug & perf guns. Set plug @ 5175'. Perferate D1 sds @ 5078-81', 5070-72', 5064-66' w/ 3 spf for total of 21 shots. RU BJ & open well w/ 1484 psi on casing. Perfs broke down @ 4062 psi back to 2118 psi w/ 3 bbls of fluid @ 3 bpm. Pump 30 gals of Techni Hib chemical @ 10% by volume. Frac w/ 49,106#'s of 20/40 sand in 461 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2761 w/ ave rate of 36 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2704 w/ .97FG. 5 min was 2437. 10 min was 2259. 15 min was 2111. Leave pressure on well. 1728 bbls EWTR.

Daily Cost: \$0

Cumulative Cost: \$155,680

7/2/2010 Day: 5

Completion

Nabors #814 on 7/2/2010 - Set kill plug. TIH w/ mill & tbg. Drlg plugs. - Open well w/ 1000 psi on casing. Pump 13 bbls hot water down casing. RU Perforators LLC WLT w/ lubricator. RIH w/ composite solid plug. Set @ 4468'. RD WLT. RU 4-3/4" Comp mill, x-over sub. TIH w/ tbg to tag kill plug @ 4468'. RU pump, tanks & swivel. Drlg out kill plug. TIH w/ tbg to tag plug @ 4640'. Drlg out plug #1. TIH w/ tbg to tag plug @ 5175'. Drlg out plug #2. TIH w/ tbg to 5256'. SIFN.

Daily Cost: \$0

Cumulative Cost: \$166,998

7/6/2010 Day: 6

Completion

Nabors #814 on 7/6/2010 - DU CBPs. C/O to PBTD. Swab & flow well. Recovered 150 bbls w/ ending oil cut @ approx. 30%. SWIFN. 1403 BWTR. - Csg. @ 1400 psi, tbg. @ 1000 psi. Bleed off well. Kill tbg. w/ 3 bbls water. Cont. RIH w/ tbg. Tag fill @ 5420'. C/O to CBP @ 5500'. DU CBP in 18 min. Cont. RIH w/ tbg. Tag CBP @ 5760'. DU CBP in 25 min. Cont. RIH w/ tbg. Tag fill @ 6326'. C/O to PBTD @ 6453'. Circulate well clean. Pull up to 6353'. RIH w/ swab. SFL @ surface. Made 7 runs & recovered 55 bbls. Well kicked off flowing. Flow well @ approx. 1 bpm. A lot of gas. Recovered 95 bbls. Total of 150 bbls recovered. Ending oil cut @ approx. 30%. SWIFN. 1403 BWTR.

Daily Cost: \$0

Cumulative Cost: \$180,042

7/7/2010 Day: 7

Completion

Nabors #814 on 7/7/2010 - Round trip tbg. ND BOP. NU wellhead. RIH w/ rods. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. PWOP @ 8:00 p.m. 144" stroke length, 5.5 SPM. Final Report. 1410 BWTR. - Csg. @ 800 psi, tbg. @ 750 psi. Bleed off

well. Kill tbg. w/ 20 bbls 10# brine. RIH w/ tbg. Tag PBTD @ 6453'. Kill well w/ 130 bbls 10# brine. POOH w/ tbg. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC & 200 jts 2 7/8" tbg. Well started flowing. Kill well w/ 60 bbls 10# brine. ND BOP. Set TAC @ 6230' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 50 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 24' RHAC rod pump, 4- 1 1/2" weight bars, 246- 7/8" guided rods (8 per), 1- 4', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 4 bbls water. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 8:00 p.m. 144" stroke length, 5.5 SPM. Final Report. 1410 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$219,897

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

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

At surface 1972' FNL & 2061' FWL (SE/NW) SEC. 36, T8S, R16E (ML-22061)
 At top prod. interval reported below 1408' FNL & 1428' FWL (SE/NW) SEC. 36, T8S, R16E (ML-22061)
 At total depth 1111' FNL & 1088' FWL (NW/NW) SEC. 36, T8S, R16E (ML-22061)

14. Date Spudded 05/24/2010 15. Date T.D. Reached 06/20/2010 16. Date Completed 07/06/2010
 D & A Ready to Prod.

18. Total Depth: MD 6500' TVD 6337' 19. Plug Back T.D.: MD 6453' TVD 6291' 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND
 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	434'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6498'		250 PRIMLITE		48'	
NEV						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@ 6329'	TA @ 6231'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			6135-6266' CP3 CP4 CP5	.36"	3	27
B) Green River			5646-5669' A3	.36"	3	18
C) Green River			5242-5404' C B1 B2	.36"	3	30
D) Green River			5064-5081' D1	.36"	3	21

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

Depth Interval	Amount and Type of Material
6135-6266'	Frac w/ 20243#'s 20/40 sand in 115 bbls of Lightning 17 fluid.
5646-5669'	Frac w/ 20017#'s 20/40 sand in 115 bbls of Lightning 17 fluid.
5242-5404'	Frac w/ 45036#'s 20/40 sand in 291 bbls of Lightning 17 fluid.
5064-5081'	Frac w/ 49106#'s 20/40 sand in 226 bbls of Lightning 17 fluid.

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
7-6-10	7-19-10	24	→	78	0	40			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	
			→						

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AUG 03 2010

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3997' 4208'
				GARDEN GULCH 2 POINT 3	4335' 4620'
				X MRKR Y MRKR	4873' 4906'
				DOUGALS CREEK MRK BI CARBONATE MRK	5032' 5288'
				B LIMESTON MRK CASTLE PEAK	5428' 5916'
				BASAL CARBONATE WASATCH	6349' 6485'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (GB4) 4519-4545', .36" 3/36 Frac w/ 70959#'s of 20/40 sand in 320 bbls of Lightning 17 fluid

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 07/23/2010

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
G-36-8-16**

Wellbore #1

Design: Wellbore #1

Standard Survey Report

29 July, 2010

HATHAWAY  BURNHAM
 DIRECTIONAL & MWD SERVICES 



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well G-36-8-16
TVD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
MD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
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	G-36-8-16, SHL LAT 40 04 34.39, LONG -110 04 11.48		
Well Position	+N/-S	0.0 ft	Northing: 7,199,686.21 ft
	+E/-W	0.0 ft	Easting: 2,040,590.39 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 4' 34.390 N
		Longitude:	110° 4' 11.480 W
		Ground Level:	5,405.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	2010/06/03	(°)	(°)	(nT)
			11.45	65.85	52,389

Design	Wellbore #1			
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	312.19

Survey Program	Date 2010/07/29			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
452.0	6,500.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
452.0	1.14	153.24	452.0	-4.0	2.0	-4.2	0.25	0.25	0.00
482.0	1.00	154.50	482.0	-4.5	2.3	-4.7	0.47	-0.47	4.20
513.0	0.80	165.30	513.0	-5.0	2.4	-5.1	0.84	-0.65	34.84
544.0	0.60	182.00	544.0	-5.3	2.5	-5.4	0.92	-0.65	53.87
574.0	0.60	201.50	574.0	-5.6	2.4	-5.6	0.68	0.00	65.00
605.0	0.50	210.00	605.0	-5.9	2.3	-5.7	0.42	-0.32	27.42
635.0	0.50	235.20	635.0	-6.1	2.1	-5.7	0.73	0.00	84.00
667.0	0.50	242.00	667.0	-6.2	1.9	-5.6	0.19	0.00	21.25
696.0	0.70	263.10	696.0	-6.3	1.6	-5.4	1.02	0.69	72.76
727.0	1.10	274.70	726.9	-6.3	1.1	-5.1	1.41	1.29	37.42
758.0	1.40	284.60	757.9	-6.2	0.5	-4.5	1.19	0.97	31.94
788.0	1.60	290.60	787.9	-6.0	-0.3	-3.8	0.85	0.67	20.00



HATHAWAY BURNHAM

Survey Report



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

Local Co-ordinate Reference: Well G-36-8-16
TVD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
MD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
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)
819.0	2.00	299.60	818.9	-5.5	-1.2	-2.9	1.58	1.29	29.03
849.0	2.00	307.10	848.9	-5.0	-2.0	-1.8	0.87	0.00	25.00
880.0	2.30	304.60	879.9	-4.3	-3.0	-0.7	1.01	0.97	-8.06
912.0	2.50	310.00	911.8	-3.5	-4.0	0.7	0.94	0.63	16.88
943.0	3.00	309.50	942.8	-2.5	-5.2	2.1	1.61	1.61	-1.61
975.0	3.00	313.00	974.8	-1.4	-6.4	3.8	0.57	0.00	10.94
1,006.0	3.20	316.10	1,005.7	-0.2	-7.6	5.5	0.84	0.65	10.00
1,039.0	3.60	320.10	1,038.7	1.2	-8.9	7.4	1.41	1.21	12.12
1,070.0	4.00	317.20	1,069.6	2.7	-10.3	9.5	1.43	1.29	-9.35
1,102.0	4.30	315.90	1,101.5	4.4	-11.9	11.8	0.98	0.94	-4.06
1,134.0	4.60	317.00	1,133.4	6.2	-13.6	14.3	0.97	0.94	3.44
1,166.0	4.90	318.50	1,165.3	8.2	-15.4	16.9	1.01	0.94	4.69
1,195.0	5.20	319.70	1,194.2	10.1	-17.1	19.4	1.10	1.03	4.14
1,228.0	5.60	318.50	1,227.0	12.5	-19.1	22.5	1.26	1.21	-3.64
1,260.0	6.00	317.30	1,258.9	14.9	-21.3	25.7	1.31	1.25	-3.75
1,291.0	6.30	316.30	1,289.7	17.3	-23.5	29.0	1.03	0.97	-3.23
1,322.0	6.90	317.30	1,320.5	19.9	-26.0	32.6	1.97	1.94	3.23
1,354.0	7.30	316.10	1,352.3	22.8	-28.7	36.5	1.33	1.25	-3.75
1,386.0	7.90	314.50	1,384.0	25.8	-31.7	40.8	1.99	1.88	-5.00
1,418.0	8.40	311.50	1,415.6	28.9	-35.0	45.3	2.05	1.56	-9.38
1,450.0	8.90	311.80	1,447.3	32.1	-38.6	50.1	1.57	1.56	0.94
1,481.0	9.20	310.50	1,477.9	35.3	-42.3	55.0	1.17	0.97	-4.19
1,513.0	10.00	311.20	1,509.5	38.8	-46.3	60.3	2.53	2.50	2.19
1,545.0	10.77	310.98	1,540.9	42.5	-50.6	66.1	2.41	2.41	-0.69
1,575.0	11.40	312.40	1,570.4	46.4	-54.9	71.9	2.29	2.10	4.73
1,608.0	12.02	313.27	1,602.7	50.9	-59.9	78.6	1.95	1.88	2.64
1,640.0	12.63	312.76	1,633.9	55.6	-64.8	85.4	1.94	1.91	-1.59
1,672.0	13.20	311.90	1,665.1	60.4	-70.1	92.5	1.88	1.78	-2.69
1,702.0	13.80	311.70	1,694.3	65.1	-75.4	99.5	2.01	2.00	-0.67
1,734.0	14.40	311.10	1,725.3	70.2	-81.2	107.3	1.93	1.88	-1.88
1,830.0	15.23	306.26	1,818.1	85.5	-100.4	131.8	1.55	0.86	-5.04
1,924.0	15.40	304.30	1,908.8	99.9	-120.6	156.5	0.58	0.18	-2.09
2,019.0	14.90	304.35	2,000.5	113.9	-141.1	181.1	0.53	-0.53	0.05
2,114.0	13.90	306.70	2,092.5	127.6	-160.4	204.5	1.22	-1.05	2.47
2,209.0	13.90	309.00	2,184.7	141.6	-178.4	227.3	0.58	0.00	2.42
2,305.0	14.52	311.75	2,277.8	156.9	-196.3	250.8	0.95	0.65	2.86
2,400.0	14.94	312.76	2,369.7	173.1	-214.2	275.0	0.52	0.44	1.06
2,495.0	15.12	313.30	2,461.4	189.9	-232.2	299.6	0.24	0.19	0.57
2,589.0	15.58	312.59	2,552.1	206.9	-250.4	324.5	0.53	0.49	-0.76
2,685.0	15.62	313.00	2,644.5	224.4	-269.4	350.3	0.12	0.04	0.43
2,780.0	14.90	307.80	2,736.2	240.6	-288.4	375.3	1.63	-0.76	-5.47
2,876.0	13.95	308.39	2,829.2	255.4	-307.2	399.1	1.00	-0.99	0.61
2,970.0	14.33	311.64	2,920.3	270.1	-324.8	422.1	0.94	0.40	3.46
3,066.0	16.17	316.47	3,012.9	287.7	-342.9	447.3	2.33	1.92	5.03
3,160.0	17.40	316.60	3,102.9	307.4	-361.5	474.3	1.31	1.31	0.14
3,255.0	17.30	316.00	3,193.6	327.9	-381.1	502.6	0.22	-0.11	-0.63
3,351.0	16.30	314.00	3,285.5	347.5	-400.7	530.3	1.20	-1.04	-2.08
3,446.0	15.90	313.50	3,376.8	365.8	-419.7	556.6	0.45	-0.42	-0.53
3,541.0	16.60	314.00	3,468.0	384.1	-438.9	583.2	0.75	0.74	0.53
3,637.0	16.80	312.00	3,559.9	402.9	-459.1	610.8	0.63	0.21	-2.08
3,731.0	17.00	311.80	3,649.9	421.2	-479.5	638.1	0.22	0.21	-0.21
3,827.0	16.90	313.30	3,741.7	440.1	-500.1	666.1	0.47	-0.10	1.56
3,921.0	16.10	313.00	3,831.8	458.4	-519.6	692.8	0.86	-0.85	-0.32
4,017.0	15.30	310.70	3,924.3	475.7	-538.9	718.8	1.06	-0.83	-2.40



Company: NEWFIELD EXPLORATION
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Local Co-ordinate Reference: Well G-36-8-16
 TVD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
 MD Reference: G-36-8-16 @ 5417.0ft (RIG 328)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,112.0	15.20	314.00	4,015.9	492.5	-557.4	743.7	0.92	-0.11	3.47
4,207.0	15.50	313.40	4,107.5	509.9	-575.5	768.9	0.36	0.32	-0.63
4,301.0	16.75	313.11	4,197.8	527.8	-594.5	795.0	1.33	1.33	-0.31
4,396.0	16.35	313.86	4,288.9	546.4	-614.2	822.0	0.48	-0.42	0.79
4,491.0	16.00	312.52	4,380.1	564.5	-633.5	848.5	0.54	-0.37	-1.41
4,586.0	15.50	311.10	4,471.6	581.7	-652.7	874.3	0.66	-0.53	-1.49
4,681.0	14.79	312.10	4,563.3	598.2	-671.3	899.1	0.80	-0.75	1.05
4,776.0	14.20	313.80	4,655.2	614.4	-688.7	922.9	0.77	-0.62	1.79
4,872.0	13.49	313.77	4,748.5	630.3	-705.2	945.8	0.74	-0.74	-0.03
4,967.0	13.82	313.75	4,840.8	645.8	-721.4	968.2	0.35	0.35	-0.02
5,062.0	13.30	309.50	4,933.1	660.6	-738.1	990.5	1.18	-0.55	-4.47
5,157.0	13.80	307.40	5,025.5	674.4	-755.5	1,012.7	0.74	0.53	-2.21
5,252.0	12.22	304.72	5,118.0	687.0	-772.8	1,034.0	1.78	-1.66	-2.82
5,339.1	12.11	305.53	5,203.2	697.6	-787.8	1,052.2	0.23	-0.13	0.93
G-36-8-16 TGT									
5,347.0	12.10	305.60	5,210.9	698.6	-789.1	1,053.8	0.23	-0.12	0.93
5,442.0	12.10	306.80	5,303.8	710.3	-805.2	1,073.6	0.26	0.00	1.26
5,537.0	11.30	306.00	5,396.8	721.8	-820.7	1,092.8	0.86	-0.84	-0.84
5,632.0	11.67	310.21	5,489.9	733.4	-835.6	1,111.7	0.96	0.39	4.43
5,726.0	12.22	311.03	5,581.9	746.1	-850.3	1,131.1	0.61	0.59	0.87
5,822.0	11.43	311.93	5,675.8	759.1	-865.1	1,150.8	0.85	-0.82	0.94
5,918.0	10.90	309.80	5,770.0	771.3	-879.1	1,169.4	0.70	-0.55	-2.22
6,013.0	12.90	312.70	5,863.0	784.2	-893.8	1,188.9	2.20	2.11	3.05
6,108.0	13.70	315.00	5,955.4	799.4	-909.6	1,210.8	1.01	0.84	2.42
6,203.0	13.71	314.87	6,047.7	815.3	-925.5	1,233.3	0.03	0.01	-0.14
6,298.0	13.75	314.63	6,140.0	831.2	-941.5	1,255.8	0.07	0.04	-0.25
6,445.0	11.60	311.90	6,283.4	853.3	-965.0	1,288.0	1.52	-1.46	-1.86
6,500.0	11.60	311.90	6,337.3	860.7	-973.2	1,299.1	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
G-36-8-16 TGT	0.00	0.00	5,200.0	717.6	-791.6	7,200,391.06	2,039,787.42	40° 4' 41.482 N	110° 4' 21.664 W
- hit/miss target									
- Shape									
- actual wellpath misses by 20.6ft at 5339.1ft MD (5203.2 TVD, 697.6 N, -787.8 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



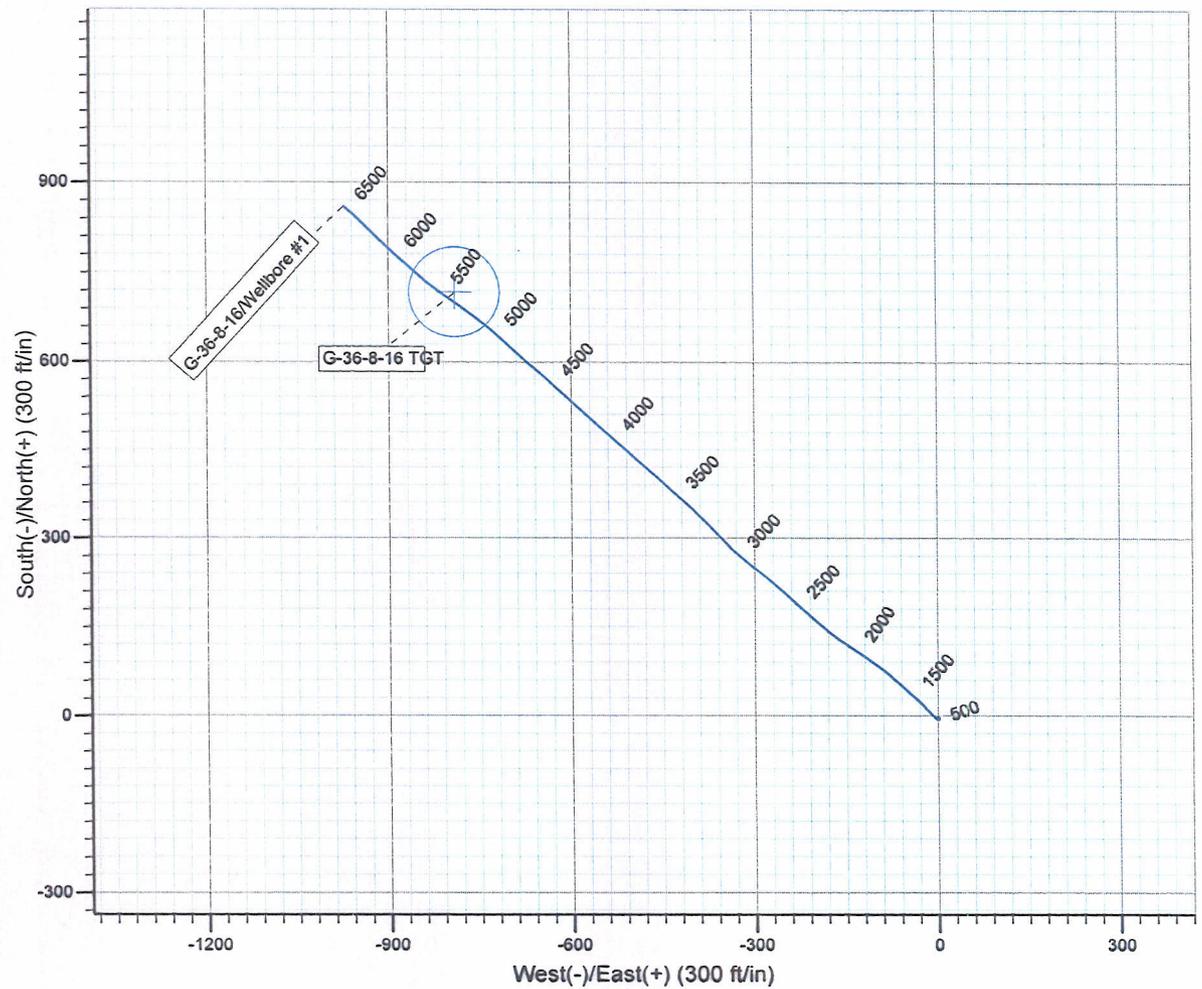
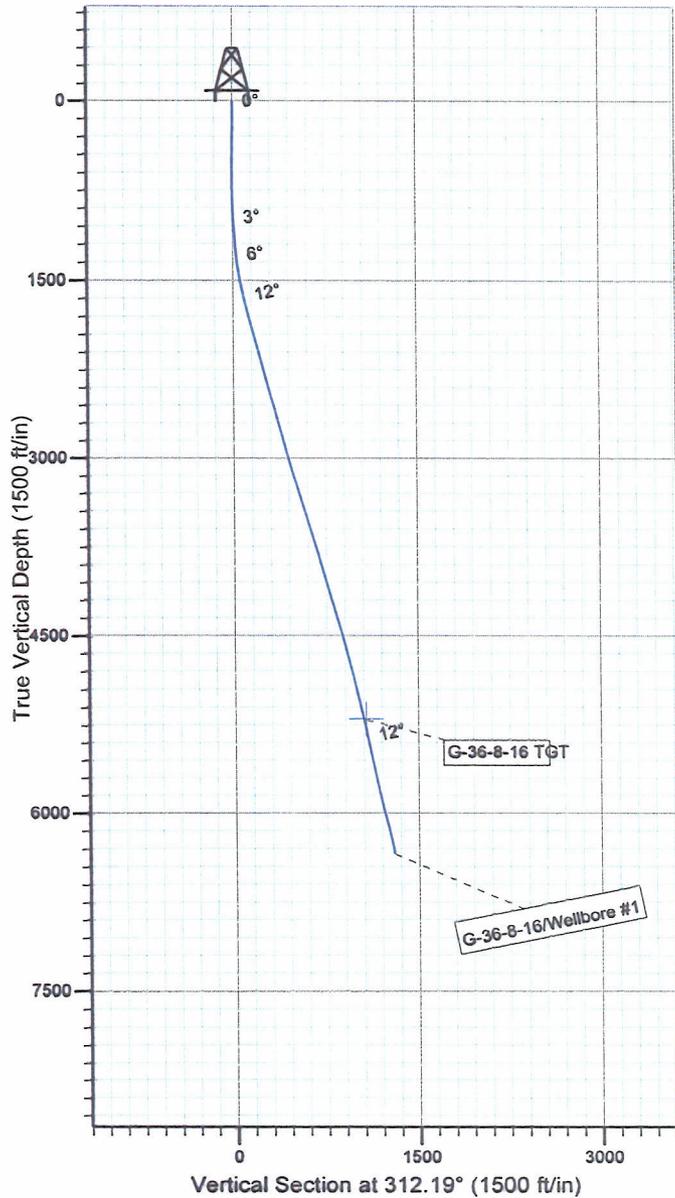
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R16E
 Well: G-36-8-16
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.45°

Magnetic Field
 Strength: 52389.3snT
 Dip Angle: 65.85°
 Date: 2010/06/03
 Model: IGRF2010



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

Created By: *Jim Hudson* Date: 10:52, July 29 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 G-36-8-16**4/1/2010 To 8/30/2010****MON BUTTE EAST G-36-8-16****Waiting on Cement****Date:** 5/27/2010

Ross #21 at 435. Days Since Spud - On 5/26/10 Cemented 85/8" casing with 200sks 15.8 ppg & 1.17 yeild G+2%CACl+.25#/skSK Cello flake - On 5/25/10 run 85/8" surface casing (Guide shoe, shoe jt, Baffle plate, 9 jts) Set @ 433.97' - Ross rig # 21 Spud the Monumont Butte State G-36-8-16 @ 8:00 AM on 5/24/10 TD 435' - BLM & State was notified - Returned 5 bbls of cmt to pit

Daily Cost: \$0**Cumulative Cost:** \$51,324**MON BUTTE EAST G-36-8-16****Waiting on Cement****Date:** 6/16/2010

NDSI #2 at 435. 0 Days Since Spud - Rig down and prepare for move to the MB G-36-8-16.

Daily Cost: \$0**Cumulative Cost:** \$54,055**MON BUTTE EAST G-36-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/17/2010

NDSI #2 at 1693. 1 Days Since Spud - Drill 7 7/8" hole from 433' to 1693' with 25 klbs WOB, 111 total RPM, and 120 ft/hr avg ROP. - Drill float collar, cement, and guide shoe from 390' to 433'. - sub, antenna sub, 1 monel, and 26 HWDP. - to 1500 psi for 30 minutes. All tested good. - upper kelly choke, and safety valve to 2000 psi for 10 minutes. Pressure test surface casing - R/U B&C Quick Test and pressure test pipe rams, blind rams, choke line, choke manifold, - Move 7 miles from the CD N-2-9-17 to the MB G-36-8-16 with Marcus Liddell Trucking. - Pick up BHA assembly as follows: Smith MI 616 PDC bit, Hunting .208 rev/gal MM, 1 monel, double gap

Daily Cost: \$0**Cumulative Cost:** \$83,539**MON BUTTE EAST G-36-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/18/2010

NDSI #2 at 4133. 2 Days Since Spud - Service and lube rig. - Drill 7 7/8" hole from 2930' to 3120' with 25 klbs WOB, 110 total RPM, and 76 ft/hr avg ROP. - Drill 7 7/8" hole from 3120' to 4133' with 25 klbs WOB, 110 total RPM, and 84 ft/hr avg ROP. - Well flowing 4 gpm @ 3152'. - Drill 7 7/8" hole from 1693' to 2930' with 20 klbs WOB, 110 total RPM, and 137 ft/hr avg ROP.

Daily Cost: \$0**Cumulative Cost:** \$129,819**MON BUTTE EAST G-36-8-16****Drill 7 7/8" hole with fresh water****Date:** 6/19/2010

NDSI #2 at 5274. 3 Days Since Spud - TOOH and change bit. Lay down 1 joint of drill pipe. TIOH with new Smith MI 616 bit - Drill 7 7/8" hole from 4133' to 4798' with 25 klbs WOB, 110 total RPM, and 95 ft/hr avg ROP. - Service rig. - Drill 7 7/8" hole from 4798' to 5052' with 25 klbs WOB, 110 total RPM, and 56 ft/hr avg ROP. - Drill 7 7/8" hole from 5052' to 5158' with 25 klbs WOB, 110 total RPM, and 35 ft/hr avg ROP. - Circulate for bit trip. - Wash and ream

from 5117' to 5158'. - Drill 7 7/8" hole from 5158' to 5274' with 20 klbs WOB, 110 total RPM, and 39 ft/hr avg ROP. - Well flowing 2 gpm @ 5052'.

Daily Cost: \$0

Cumulative Cost: \$148,728

MON BUTTE EAST G-36-8-16

Drill 7 7/8" hole with fresh water

Date: 6/20/2010

NDSI #2 at 6289. 4 Days Since Spud - Last survey at 6203' with 13.71 deg inclination and 314.87 deg azimuth. - Drill 7 7/8" hole from 5845' to 6289' with 20 klbs WOB, 110 total RPM, and 37 ft/hr avg ROP. - Drill 7 7/8" hole from 5813' to 5845' with 20 klbs WOB, 110 total RPM, and 32 ft/hr avg ROP. - Service rig. - Drill 7 7/8" hole from 5274' to 5813' with 20 klbs WOB, 110 total RPM, and 51 ft/hr avg ROP. - Average slide is 15' per kelly.

Daily Cost: \$0

Cumulative Cost: \$167,637

MON BUTTE EAST G-36-8-16

Rigging down

Date: 6/21/2010

NDSI #2 at 6500. 5 Days Since Spud - Clean mud tanks. - Nipple down and set slips with 92,000 lbs tension. - 400 sks tail cement mixed at 14.4 ppg and 1.24 yield. Returned 16 bbls to pit. - Rig up BJ Services and cement with 250 sks lead mixed at 11 ppg and 3.54 yield. Follow with - float collar at 6453.42'. Run guide shoe, shoe jt, float collar, 148 jts casing, and landing jt. - Run 149 jts of 5 1/2" 15.5# J-55 casing set at 6498.41'. Top of short joint at 4084.23' and top of - Rig up B&C Quick Test and pressure test 5 1/2" casing rams to 2000 psi for 10 minutes. - from logger's TD (6489') to 3000'. - Lay down Hathaway Burnham directional tools. - Lay down drill pipe, rotating head, and HWDP. - Circulate and condition hole. Pump sweep. - Drill 7 7/8" hole from 6289' to TD (6500') with 20 klbs WOB, 110 total RPM, and 141 ft/hr avg ROP. - Released Rig @ 6:00 AM - Rig up PSI and run DISGL/SP/GR suite from logger's TD (6489') to surface. Run DSN/SDL/GR/CAL suite **Finalized**

Daily Cost: \$0

Cumulative Cost: \$308,275

Pertinent Files: Go to File List