

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 Greater Monument Butte 3-36-8-16H			
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 <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				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 type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>			
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	356 FNL 2040 FWL	NENW	36	8.0 S	16.0 E	S	
Top of Uppermost Producing Zone	356 FNL 2040 FWL	NENW	36	8.0 S	16.0 E	S	
At Total Depth	300 FSL 100 FWL	SWSW	36	8.0 S	16.0 E	S	
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 100		23. NUMBER OF ACRES IN DRILLING UNIT 320			
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 293		26. PROPOSED DEPTH MD: 6169 TVD: 6169			
27. ELEVATION - GROUND LEVEL 5407		28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478			

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 10/20/2010	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013504440000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	11110		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	11110	17.0			

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

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**NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-36-8-16H
SHL: NE/NW SECTION 36, T8S, R16E
BHL: SW/SW SECTION 36, T8S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

This well is designed as a horizontal in the Basal Carbonate formation, at the base of the Green River formation. The well will be drilled vertically to a kick off point of 5,819'. Directional tools will then be used to build to 91.61° inclination and the well will be landed in the Basal Carbonate formation. The lateral will be drilled to the proposed bottomhole location, and 5-1/2" production casing will be run to TD. An open hole packer system and sliding sleeves will be used to isolate separate frac stages in the lateral. The casing will be cemented from the top of the curve to surface with a port collar.

1. GEOLOGIC SURFACE FORMATION:

Uinta formation

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Green River	1,720'
Target (Basal Carbonate)	6,169'
TD	6,169' TVD / 11,110' MD

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

Green River Formation (Oil) 4,285' – 6,169' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 300'. 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 the State at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the State of Utah DOGM Office.

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

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

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH

Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design**

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Design Factors		
	Top	Bottom							Burst	Col	Tens
Surface 8-5/8"	0'	300'	24.0	J-55	STC	8.33	8.33	12.0	17.07	13.71	33.89
Production 5-1/2"	0'	11,110'	17.0	N-80	LTC	8.3	8.5	--	3.77	2.98	2.25

Assumptions:

- 1) Surface casing MASP = (frac gradient + 1.0 ppg) – gas gradient
- 2) Production casing MASP (production mode) = reservoir pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing
- 4) Surface tension calculations assume air weight of casing
- 5) Production tension calculations assume air weight in vertical portion of hole, plus 50,000 lbs overpull

All casing shall be new.

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

b. **Cement Design**

Job	Hole Size	Fill	Slurry Description	ft ³	OH Excess	Weight (ppg)	Yield (ft ³ /sk)
				Sacks			
Surface	12-1/4"	300'	Class G w/ 2% CaCl ₂ , 0.25 lbs/sk Cello Flake	142	15%	15.8	1.17
				122			
Production Lead	7-7/8"	4,285'	Premium Lite II w/ 3% KCl, 10% bentonite	854	15%	15.8	3.26
				262			
Production Tail	7-7/8"	1,534'	50/50 Poz/Class G w/ 3% KCl, 2% bentonite	306	15%	14.3	1.24
				247			

Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Cement will be pumped through a port cementing collar located at the top of the curve. The lateral will be left uncemented. The lateral will be isolated with open hole packers.

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

The State of Utah DOGM Office shall be notified, with sufficient lead time, in order to have a State of Utah DOGM representative on location while running all casing strings and cementing.

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.

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

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

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the State of Utah DOGM Office within 30 days after the work is completed. This report must include the following information:

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

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

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system.

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and a rotating head per **Exhibit C**. This system will be in accordance to the specifications listed in the Standard Operating Procedures for the Greater Monument Butte Green River Development Program.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to State of Utah DOGM Office upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

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

From surface to 300', an air system will be used. From 300' to TD, a fresh water or brine water system will be utilized. Anticipated maximum mud weight is 9.0 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 State 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.

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

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

a. **Logging Program:**

(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: Top of the curve -- 4,285'

CBL: A cement bond log will be run from KOP to the cement top of the production casing.
A field copy will be submitted to the State of Utah DOGM Office.

b. **Cores:** As deemed necessary.

c. **Drill Stem Tests:** No DSTs are planned in the Green River.

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

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total true vertical depth in feet multiplied by a 0.433 psi/foot gradient.

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

a. **Drilling Activity**

Anticipated Commencement Date: Upon approval of the site specific APD.

Drilling Days: Approximately 18 days.

Completion Days: Approximately 12 - 20 days.

b. **Notification of Operations**

The State of Utah DOGM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or State policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the State of Utah DOGM before resumption of operations.

Daily drilling and completion reports shall be submitted to the State of Utah DOGM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the State of Utah DOGM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

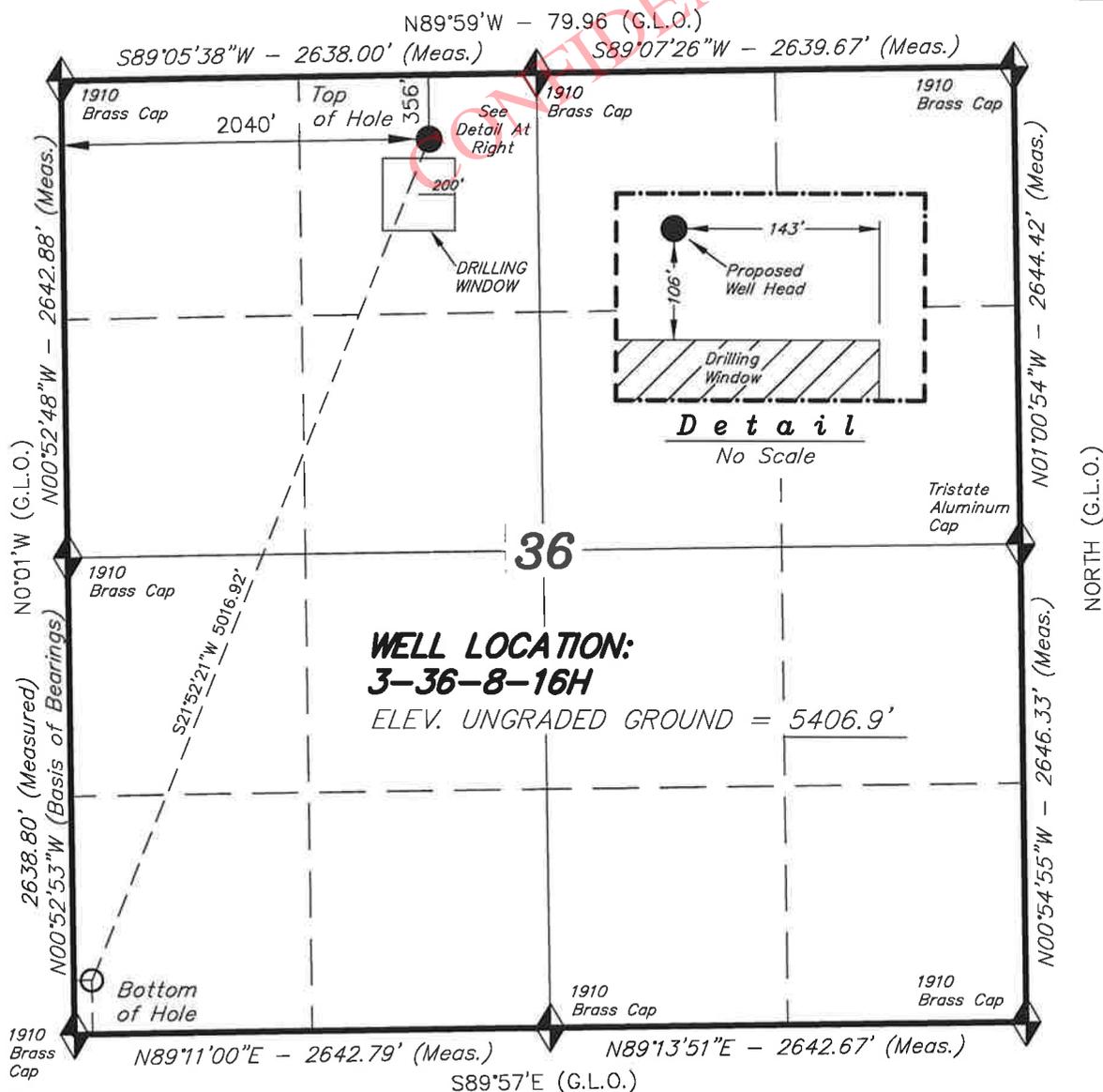
Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

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



NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 3-36-8-16H, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

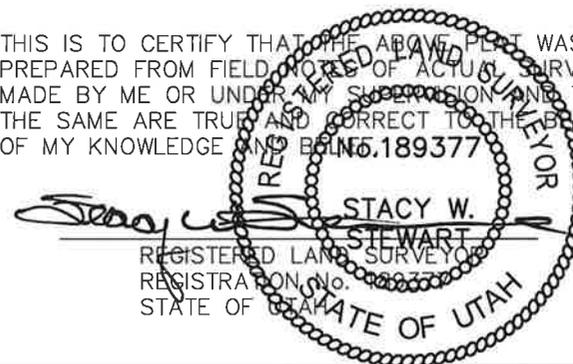
TARGET BOTTOM HOLE, 3-36-8-16H, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

- The bottom hole footages are 300' FSL & 100' FWL.

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°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

3-36-8-16H
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 50.35"
 LONGITUDE = 110° 04' 11.72"

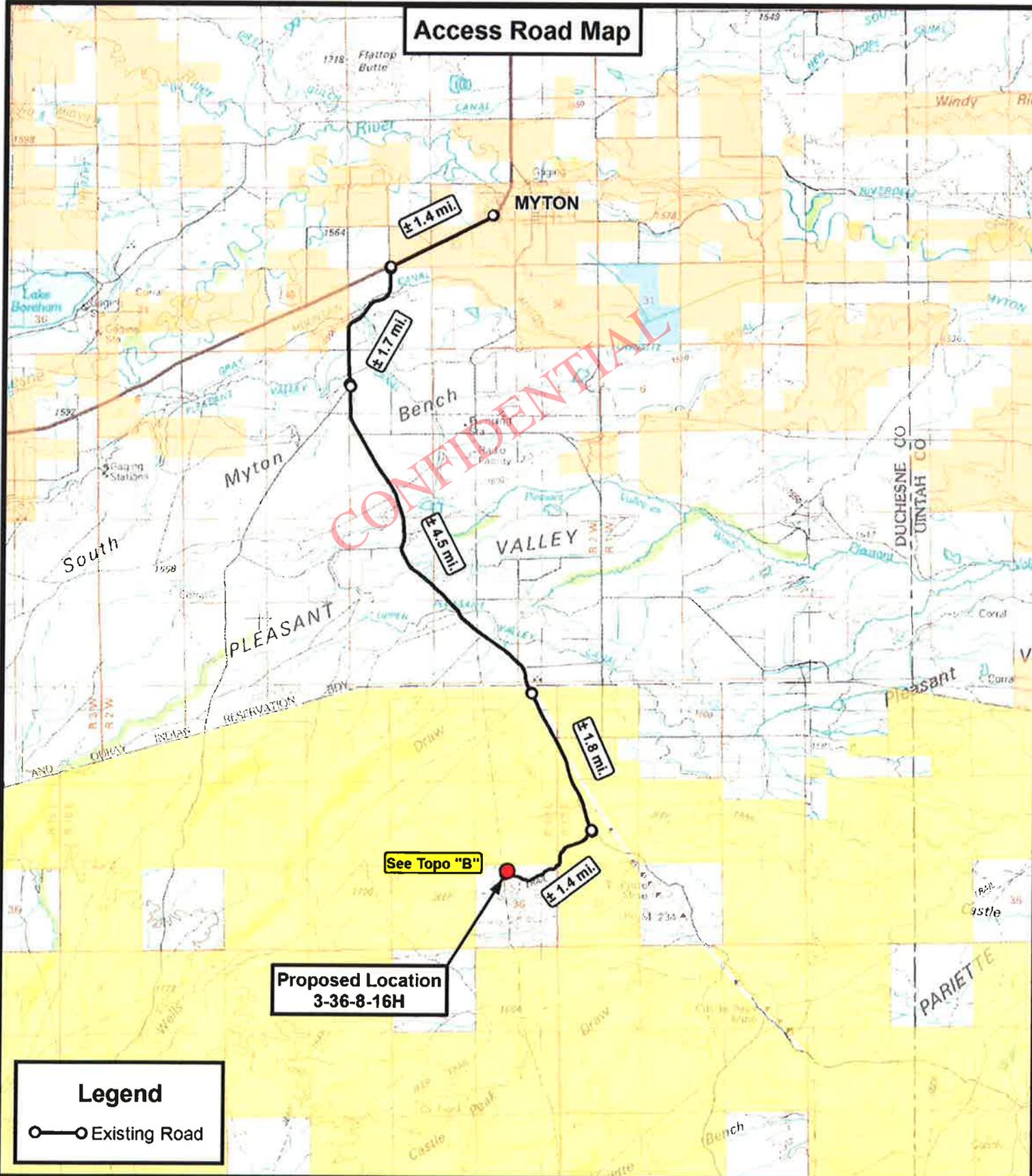
TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 07-02-10	SURVEYED BY: C.M.
DATE DRAWN: 07-23-10	DRAWN BY: M.W.
REVISED: 08-10-10 - M.W.	SCALE: 1" = 1000'

Access Road Map

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Legend
 ○— Existing Road

Tri State Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY
 3-36-8-16H
 SEC. 36, T8S, R16E, S.L.B.&M.
 Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	07-23-2010
SCALE:	1:100,000

TOPOGRAPHIC MAP

SHEET
A

Access Road Map

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**Proposed Location
3-36-8-16H**

± 146'

± 1.4 mi.

Winton ± 9.4 mi.

Legend

○—○ Existing Road



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

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



NEWFIELD EXPLORATION COMPANY

**3-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.**

DRAWN BY:	C.H.M.
DATE:	07-23-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map

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Proposed Location
3-36-8-16H

± 140'
± 143'
Tie in at Proposed
Waterline
Tie in at Proposed
Gas Pipeline

Legend

- Existing Road
- Proposed Waterline
- Proposed Gas Pipeline



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

P: (435) 781-2501
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NEWFIELD EXPLORATION COMPANY

3-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

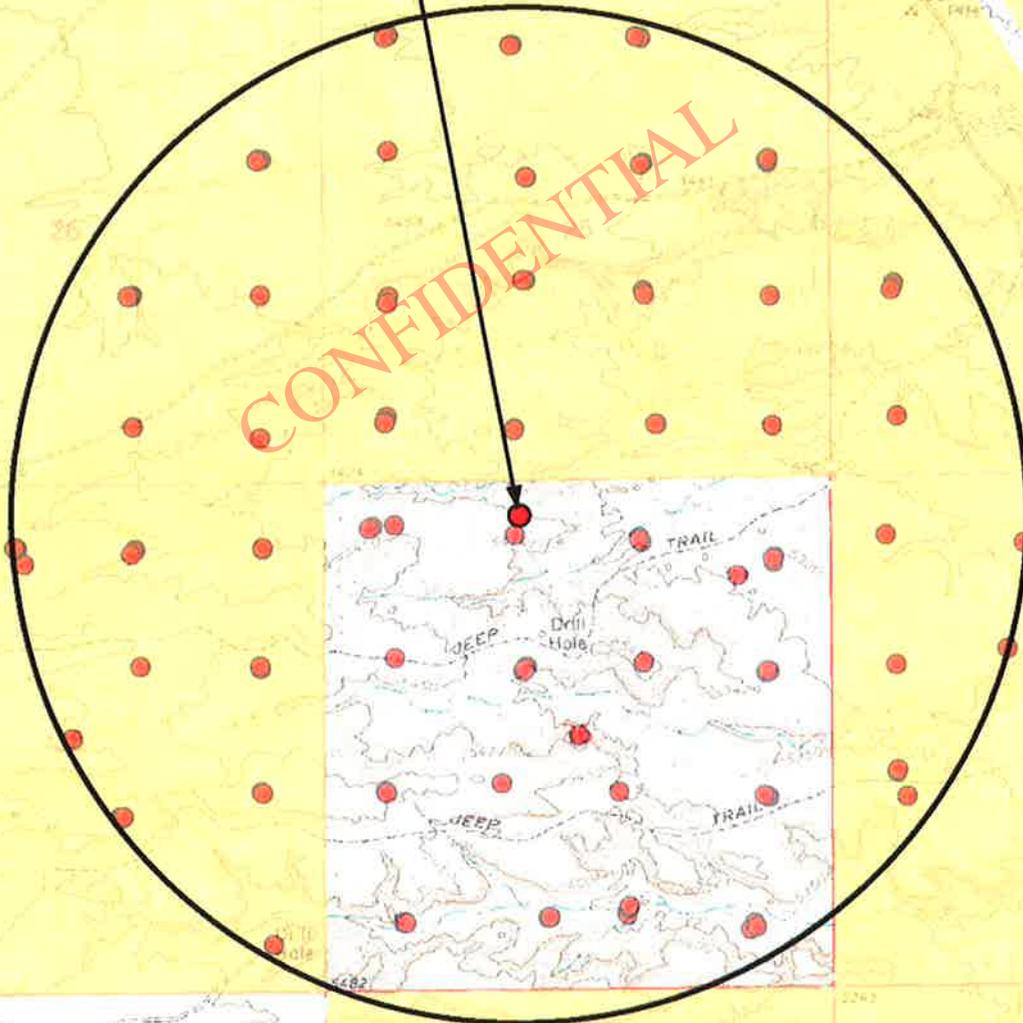
DRAWN BY:	C.H.M.
DATE:	07-23-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed Location
3-36-8-16H**



Legend

-  1 Mile Radius
-  Proposed Location

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

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



NEWFIELD EXPLORATION COMPANY

3-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: C.H.M.
 DATE: 07-23-2010
 SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

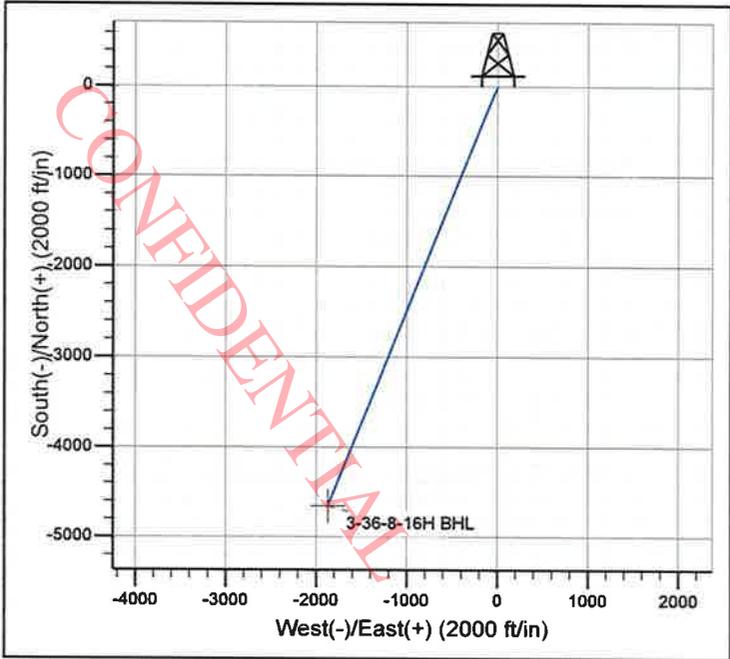
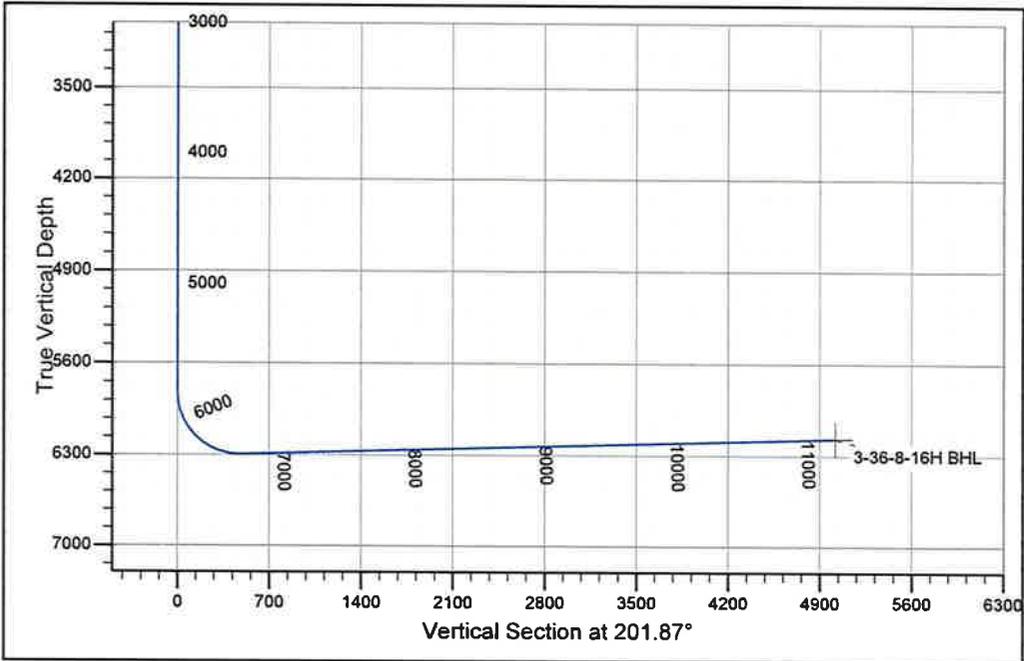
SHEET
D



Newfield Production Company

Project: Monument Butte
Site: GMB 3-36-8-16H
Well: Well #1
Wellbore: Wellbore #1
Design: Design #1

T M Azimuths to True North
 Magnetic North: 11.49°
 Magnetic Field
 Strength: 52465.0snT
 Dip Angle: 65.87°
 Date: 12/31/2009
 Model: IGRF200510



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	5818.9	0.00	0.00	5818.9	0.0	0.0	0.00	0.00	0.0	
3	6582.3	91.61	201.87	6296.2	-455.5	-182.9	12.00	201.87	490.9	
	41110.2	91.61	201.87	6169.0	-4655.8	-1869.0	0.00	0.00	5016.9	3-36-8-16H BHL

Created by: Hans Wychgram
Date: 10-13-10

PROJECT DETAILS: Monument Butte
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
System Datum: Mean Sea Level

Newfield Production Company

Monument Butte

GMB 3-36-8-16H

Well #1

Wellbore #1

Plan: Design #1

Standard Planning Report

14 October, 2010

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Newfield Exploration Planning Report

Database: EDM 2003.21 Single User Db	Local Co-ordinate Reference: Well Well #1
Company: Newfield Production Company	TVD Reference: RKB @ 5417.0ft (NDSI #2)
Project: Monument Butte	MD Reference: RKB @ 5417.0ft (NDSI #2)
Site: GMB 3-36-8-16H	North Reference: True
Well: Well #1	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Design #1	

Project	Monument Butte		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	GMB 3-36-8-16H		
Site Position:		Northing:	2,194,960.81 m
From:	Lat/Long	Easting:	621,959.64 m
Position Uncertainty:	0.0 ft	Slot Radius:	in
		Latitude:	40° 4' 50.350 N
		Longitude:	110° 4' 11.720 W
		Grid Convergence:	0.92 °

Well	Well #1		
Well Position	+N/-S	0.0 ft	Northing: 2,194,960.81 m
	+E/-W	0.0 ft	Easting: 621,959.64 m
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 4' 50.350 N
		Longitude:	110° 4' 11.720 W
		Ground Level:	5,407.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.49	65.87	52,465

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	201.87

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	
5,818.9	0.00	0.00	5,818.9	0.0	0.0	0.00	0.00	0.00	0.00	
6,582.3	91.61	201.87	6,296.2	-455.5	-182.9	12.00	12.00	0.00	201.87	
11,110.2	91.61	201.87	6,169.0	-4,655.8	-1,869.0	0.00	0.00	0.00	0.00	3-36-8-16H BHL

Newfield Exploration Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Well #1
Company:	Newfield Production Company	TVD Reference:	RKB @ 5417.0ft (NDSI #2)
Project:	Monument Butte	MD Reference:	RKB @ 5417.0ft (NDSI #2)
Site:	GMB 3-36-8-16H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Newfield Exploration Planning Report

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Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,818.9	0.00	0.00	5,818.9	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	9.73	201.87	5,899.6	-6.4	-2.6	6.9	12.00	12.00	0.00
6,000.0	21.73	201.87	5,995.7	-31.5	-12.6	33.9	12.00	12.00	0.00
6,100.0	33.73	201.87	6,084.0	-74.6	-29.9	80.4	12.00	12.00	0.00
6,200.0	45.73	201.87	6,160.8	-133.8	-53.7	144.2	12.00	12.00	0.00
6,300.0	57.73	201.87	6,222.6	-206.5	-82.9	222.5	12.00	12.00	0.00
6,400.0	69.73	201.87	6,266.8	-289.6	-116.2	312.0	12.00	12.00	0.00
6,500.0	81.73	201.87	6,291.4	-379.4	-152.3	408.8	12.00	12.00	0.00
6,582.3	91.61	201.87	6,296.2	-455.5	-182.9	490.9	12.00	12.00	0.00
6,600.0	91.61	201.87	6,295.7	-471.9	-189.4	508.5	0.00	0.00	0.00
6,700.0	91.61	201.87	6,292.9	-564.7	-226.7	608.5	0.00	0.00	0.00
6,800.0	91.61	201.87	6,290.1	-657.5	-263.9	708.4	0.00	0.00	0.00
6,900.0	91.61	201.87	6,287.3	-750.2	-301.2	808.4	0.00	0.00	0.00
7,000.0	91.61	201.87	6,284.5	-843.0	-338.4	908.4	0.00	0.00	0.00
7,100.0	91.61	201.87	6,281.7	-935.7	-375.6	1,008.3	0.00	0.00	0.00
7,200.0	91.61	201.87	6,278.9	-1,028.5	-412.9	1,108.3	0.00	0.00	0.00
7,300.0	91.61	201.87	6,276.0	-1,121.3	-450.1	1,208.3	0.00	0.00	0.00
7,400.0	91.61	201.87	6,273.2	-1,214.0	-487.4	1,308.2	0.00	0.00	0.00
7,500.0	91.61	201.87	6,270.4	-1,306.8	-524.6	1,408.2	0.00	0.00	0.00
7,600.0	91.61	201.87	6,267.6	-1,399.6	-561.8	1,508.1	0.00	0.00	0.00
7,700.0	91.61	201.87	6,264.8	-1,492.3	-599.1	1,608.1	0.00	0.00	0.00
7,800.0	91.61	201.87	6,262.0	-1,585.1	-636.3	1,708.1	0.00	0.00	0.00
7,900.0	91.61	201.87	6,259.2	-1,677.9	-673.6	1,808.0	0.00	0.00	0.00
8,000.0	91.61	201.87	6,256.4	-1,770.6	-710.8	1,908.0	0.00	0.00	0.00
8,100.0	91.61	201.87	6,253.6	-1,863.4	-748.0	2,007.9	0.00	0.00	0.00
8,200.0	91.61	201.87	6,250.8	-1,956.2	-785.3	2,107.9	0.00	0.00	0.00
8,300.0	91.61	201.87	6,247.9	-2,048.9	-822.5	2,207.9	0.00	0.00	0.00
8,400.0	91.61	201.87	6,245.1	-2,141.7	-859.8	2,307.8	0.00	0.00	0.00
8,500.0	91.61	201.87	6,242.3	-2,234.5	-897.0	2,407.8	0.00	0.00	0.00
8,600.0	91.61	201.87	6,239.5	-2,327.2	-934.2	2,507.7	0.00	0.00	0.00
8,700.0	91.61	201.87	6,236.7	-2,420.0	-971.5	2,607.7	0.00	0.00	0.00
8,800.0	91.61	201.87	6,233.9	-2,512.7	-1,008.7	2,707.7	0.00	0.00	0.00
8,900.0	91.61	201.87	6,231.1	-2,605.5	-1,046.0	2,807.6	0.00	0.00	0.00
9,000.0	91.61	201.87	6,228.3	-2,698.3	-1,083.2	2,907.6	0.00	0.00	0.00
9,100.0	91.61	201.87	6,225.5	-2,791.0	-1,120.4	3,007.5	0.00	0.00	0.00
9,200.0	91.61	201.87	6,222.7	-2,883.8	-1,157.7	3,107.5	0.00	0.00	0.00
9,300.0	91.61	201.87	6,219.9	-2,976.6	-1,194.9	3,207.5	0.00	0.00	0.00
9,400.0	91.61	201.87	6,217.0	-3,069.3	-1,232.2	3,307.4	0.00	0.00	0.00
9,500.0	91.61	201.87	6,214.2	-3,162.1	-1,269.4	3,407.4	0.00	0.00	0.00
9,600.0	91.61	201.87	6,211.4	-3,254.9	-1,306.6	3,507.3	0.00	0.00	0.00
9,700.0	91.61	201.87	6,208.6	-3,347.6	-1,343.9	3,607.3	0.00	0.00	0.00
9,800.0	91.61	201.87	6,205.8	-3,440.4	-1,381.1	3,707.3	0.00	0.00	0.00
9,900.0	91.61	201.87	6,203.0	-3,533.2	-1,418.4	3,807.2	0.00	0.00	0.00
10,000.0	91.61	201.87	6,200.2	-3,625.9	-1,455.6	3,907.2	0.00	0.00	0.00
10,100.0	91.61	201.87	6,197.4	-3,718.7	-1,492.8	4,007.1	0.00	0.00	0.00
10,200.0	91.61	201.87	6,194.6	-3,811.5	-1,530.1	4,107.1	0.00	0.00	0.00
10,300.0	91.61	201.87	6,191.8	-3,904.2	-1,567.3	4,207.1	0.00	0.00	0.00
10,400.0	91.61	201.87	6,189.0	-3,997.0	-1,604.6	4,307.0	0.00	0.00	0.00
10,500.0	91.61	201.87	6,186.1	-4,089.8	-1,641.8	4,407.0	0.00	0.00	0.00

Newfield Exploration Planning Report

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Company:	Newfield Production Company	TVD Reference:	RKB @ 5417.0ft (NDSI #2)
Project:	Monument Butte	MD Reference:	RKB @ 5417.0ft (NDSI #2)
Site:	GMB 3-36-8-16H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,600.0	91.61	201.87	6,183.3	-4,182.5	-1,679.0	4,506.9	0.00	0.00	0.00
10,700.0	91.61	201.87	6,180.5	-4,275.3	-1,716.3	4,606.9	0.00	0.00	0.00
10,800.0	91.61	201.87	6,177.7	-4,368.0	-1,753.5	4,706.9	0.00	0.00	0.00
10,900.0	91.61	201.87	6,174.9	-4,460.8	-1,790.7	4,806.8	0.00	0.00	0.00
11,000.0	91.61	201.87	6,172.1	-4,553.6	-1,828.0	4,906.8	0.00	0.00	0.00
11,100.0	91.61	201.87	6,169.3	-4,646.3	-1,865.2	5,006.8	0.00	0.00	0.00
11,110.2	91.61	201.87	6,169.0	-4,655.8	-1,869.0	5,016.9	0.00	0.00	0.00
3-36-8-16H BHL									

CONFIDENTIAL

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-36-8-16H
AT SURFACE: NE/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 Greater Monument Butte 3-36-8-16H located in the NE¼ NW¼ 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 – 8.0 miles ± to it's junction with an existing road to the southwest; proceed southwesterly – 1.4 miles ± to it's junction with the beginning of the proposed access road to the north; proceed northerly along the proposed access road – 146' ± to the proposed 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

Approximately 146' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

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

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

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

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to State specifications.

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

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

Newfield Production will transport water by truck 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**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and 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:**

Newfield Production Company requests 146' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 140' of surface gas line to be granted. Newfield Production Company requests 143' of buried water line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

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

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #10-170, 9/28/10. Paleontological Resource Survey prepared by, Wade E. Miller, 9/6/10. See attached report cover pages, Exhibit "D".

- 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 Greater Monument Butte 3-36-8-16H, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte 3-36-8-16H Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

Representative

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

Certification

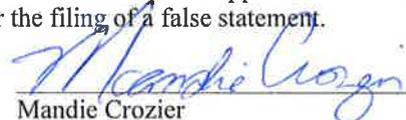
Please be advised that Newfield Production Company is considered to be the operator of well #3-36-8-16H, NE/NW Section 36, T8S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #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

Ten Point Well Program &
Thirteen Point Well Program
Page 6 of 6

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.

10/20/10
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

CONFIDENTIAL

2-M SYSTEM

Blowout Prevention Equipment Systems

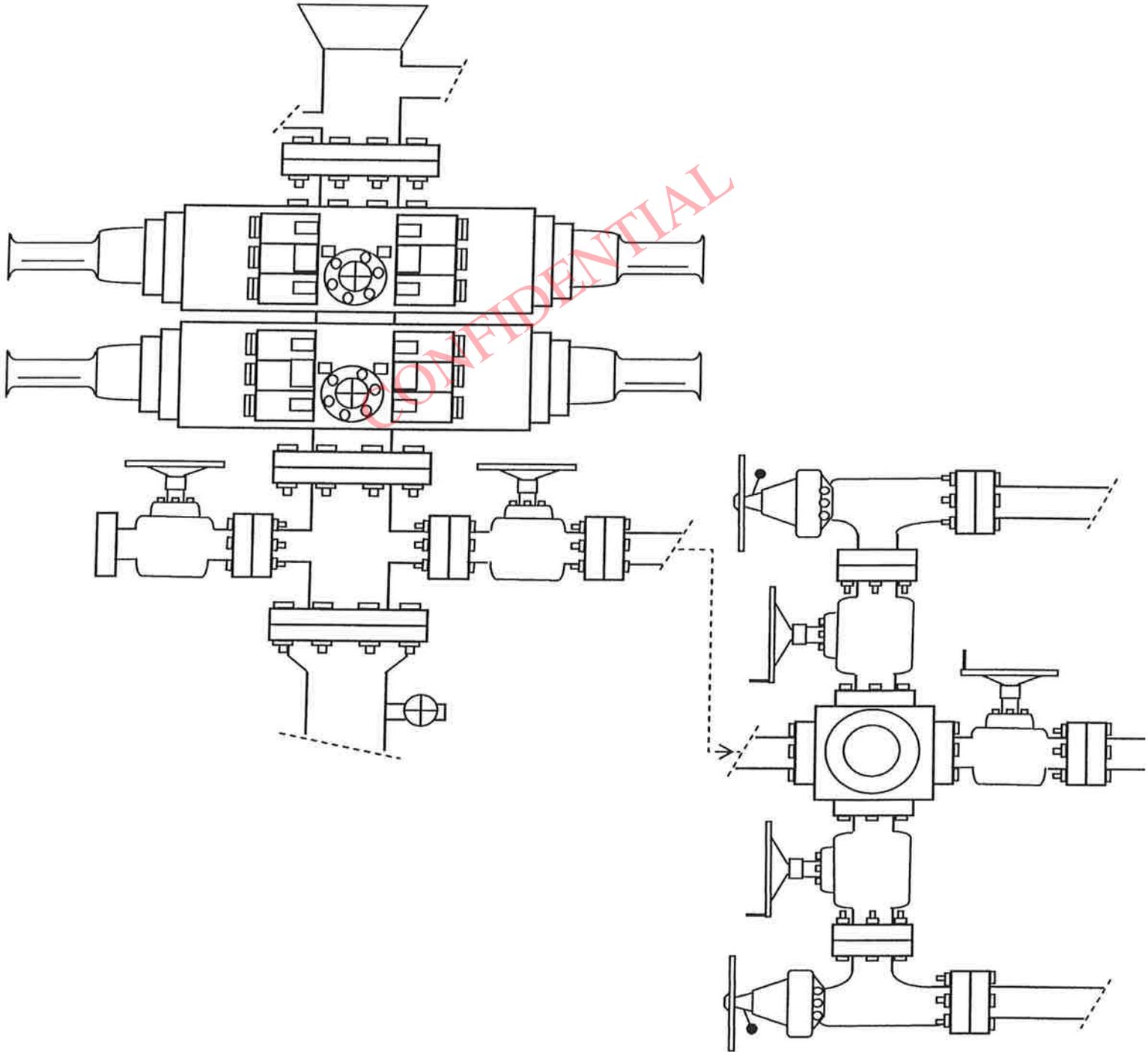


EXHIBIT C

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)

October 22, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal wells are planned for calendar year 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
43-013-50440	GMBU 3-2-9-16H	Sec 02 T09S R16E 0941 FNL 1774 FWL
	Lateral 1	Sec 02 T09S R16E 0250 FSL 0075 FWL
43-013-50441	GMBU 3-16-9-16H	Sec 16 T09S R16E 0984 FNL 1885 FWL
	Lateral 1	Sec 16 T09S R16E 0100 FSL 0150 FWL
43-013-50442	GMBU 15-16-9-16H	Sec 16 T09S R16E 0926 FSL 1757 FEL
	Lateral 1	Sec 16 T09S R16E 0150 FNL 0450 FEL
43-013-50443	GMBU 15-32-8-16H	Sec 32 T08S R16E 0534 FSL 2305 FEL
	Lateral 1	Sec 32 T08S R16E 0200 FNL 0200 FEL
43-013-50444	GMBU 3-36-8-16H	Sec 36 T08S R16E 0356 FNL 2040 FWL
	Lateral 1	Sec 36 T08S R16E 0300 FSL 0100 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2010.10.22 10:15:16 -06'00'

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

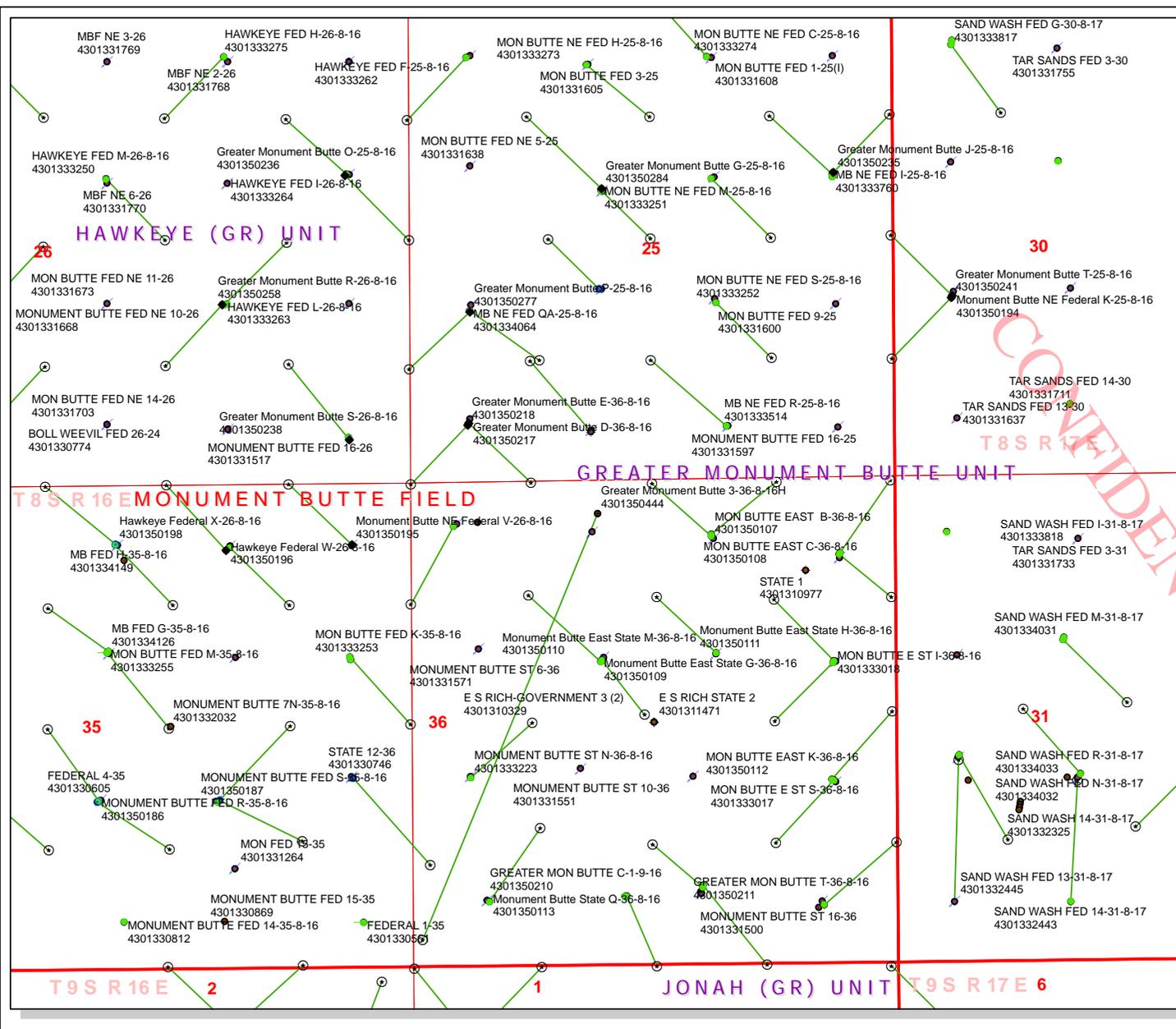
MCoulthard:mc:10-22-10

API Number: 4301350444
Well Name: Greater Monument Butte 3-36-8-16H
Township 08.0 S Range 16.0 E Section 36

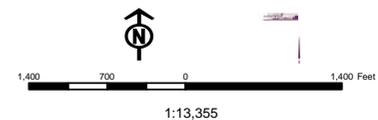
Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason



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



CONFIDENTIAL

From: Jim Davis
To: Bonner, Ed; Hill, Brad; Mason, Diana
CC: Garrison, LaVonne
Date: 11/10/2010 5:20 PM
Subject: Newfield approvals (4) one with an arc stip

The following wells have been approved by SITLA including arch and paleo clearance- with one well having an arch stip as a C.O.A.

Newfield's Greater Monument Butte 15-6-9-16H [API #4301350442] (U-10-MQ-0653s)

Newfield's Greater Monument Butte 3-2-9-16H [API #4301350440] (U-10-MQ-0652s)

Newfield's Greater Monument Butte 3-16-9-16H [API #4301350441] (U-07-MQ-1297s)

Newfield's Greater Monument Butte 3-36-8-16H [API #4301350444] (U-10-MQ-0654b,s; 1 eligible site, 42Dc909, adjacent to well pad which must be avoided as a condition of the approval of this APD.

-Jim Davis

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

Well Name	NEWFIELD PRODUCTION COMPANY Greater Monument Butte 3-36-8-16H			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6169		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.5		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	2653	8.3		

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

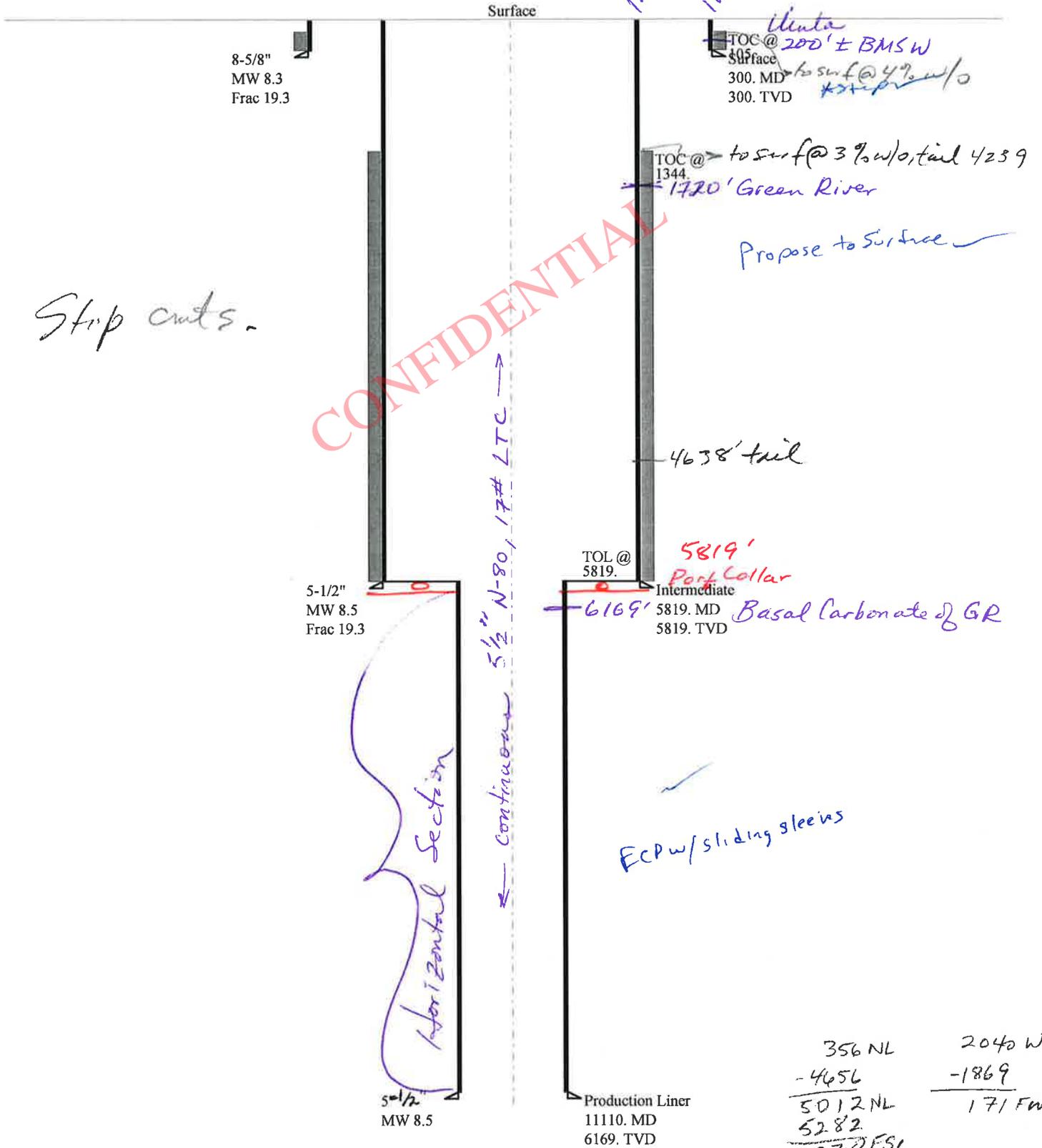
Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2727	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1987	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1370	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1436	NO <input type="checkbox"/> Common for Area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

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

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

43013504440000 Greater Monument Butte 3-36-8-16H

Casing Schematic



356 NL	2040 WL
-4656	-1869
<hr/>	<hr/>
5012 NL	171 FWL
5282	
<hr/>	
270 FSL	

SW SW Sec 36-85-16E

Well name:	43013504440000 Greater Monument Butte 3-36-8-16H	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-50444
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft
Cement top: 105 ft

Burst

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

No backup mud specified.

Tension:

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

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

Non-directional string.

Re subsequent strings:

Next setting depth: 6,169 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,884 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

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

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

Date: November 18, 2010
Salt Lake City, Utah

Remarks:

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

Burst strength is not adjusted for tension.

Well name:	43013504440000 Greater Monument Butte 3-36-8-16H		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-50444
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.500 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: 160 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Burst

Max anticipated surface pressure: 1,367 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,724 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)

Directional Info - Build & Hold

Kick-off point 5819 ft
 Departure at shoe: 5017 ft
 Maximum dogleg: 12 °/100ft
 Inclination at shoe: 91.61 °

Tension is based on air weight.
 Neutral point: 5,374 ft

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	11110	5.5	17.00	N-80	LT&C	6169	11110	4.767	62620
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	2724	6290	2.309	2752	7740	2.81	104.9	348	3.32 J

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

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

Date: November 18, 2010
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6169 ft, a mud weight of 8.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Greater Monument Butte 3-36-8-16H
API Number 43013504440000 **APD No** 3087 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 36 **Tw** 8.0S **Rng** 16.0E 356 **FNL** 2040 **FWL**
GPS Coord (UTM) 579303 4436923 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Shon McKinnon (Newfield Production Company), Ed Bonner (SITLA), Ben Williams (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general area is approximately 11 miles southwest of Myton, Utah in the middle Castle Peak Draw area. Castle Peak Draw runs in a northeasterly direction about 10 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. The drainages of Castle Peak Draw are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. No streams springs or seeps occur in this area. An occasional pond constructed to store runoff for livestock or wildlife exists. . Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 10.8 miles. Construction of 146 feet of new road will be required.

The proposed Greater Monument Butte 3-36-8-16H horizontal well location is in broken topography intersected with draws or gullies. The pad is located on the gentle north slope of a bench which begins north of the existing road with pipelines to the west. Beyond the location the bench drops off sharply to the north into a deep ravine which continues in a northeasterly direction. A gully heads on the northeast corner of the location and will be filled. Also, a shallow swale which exists along the west side of the location will be filled. No diversions are needed. The pad will be located north outside the normal drilling window to avoid the road and pipelines. The well will be drilled horizontally with the target zone continuing southwesterly a distance of 5017 feet from the wellhead. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
 Recreational
 Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.01	Width 310 Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetation is a desert shrub type. Identified vegetation consisted of mat saltbrush, Gardiner saltbrush, prickly pear, globe mallow, shadscale, mustard weed, rabbit brush, horsebrush, broom snakeweed, globe mallow, curly mesquite grass and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Moderately deep sandy clay loam with some angular dark surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

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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)	300 to 1320	10
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	30
		1 Sensitivity Level

Characteristics / Requirements

A 100' x 165' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A 16-mil pit liner and a felt sub-liner are required.

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

Other Observations / Comments

Floyd Bartlett
Evaluator

11/4/2010
Date / Time

Application for Permit to Drill Statement of Basis

12/6/2010

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3087	43013504440000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Greater Monument Butte 3-36-8-16H		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NENW 36 8S 16E S 356 FNL 2040 FWL GPS Coord (UTM) 579366E 4436915N				

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

Brad Hill
APD Evaluator

11/17/2010
Date / Time

Surface Statement of Basis

The general area is approximately 11 miles southwest of Myton, Utah in the middle Castle Peak Draw area. Castle Peak Draw runs in a northeasterly direction about 10 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. The drainages of Castle Peak Draw are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. No streams springs or seeps occur in this area. An occasional pond constructed to store runoff for livestock or wildlife exists. . Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 10.8 miles. Construction of 146 feet of new road will be required.

The proposed Greater Monument Butte 3-36-8-16H horizontal well location is in broken topography intersected with draws or gullies. The pad is located on the gentle north slope of a bench which begins north of the existing road with pipelines to the west. Beyond the location the bench drops off sharply to the north into a deep ravine which continues in a northeasterly direction. A gulley heads on the northeast corner of the location and will be filled. Also, a shallow swale which exists along the west side of the location will be filled. No diversions are needed. The pad will be located north outside the normal drilling window to avoid the road and pipelines. The well will be drilled horizontally with the target zone continuing southwesterly a distance of 5017 feet from the wellhead. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. Both the surface and minerals are owned by SITLA.

Ed Bonner of SITLA was invited to and attended the pre-site visit. He had no concerns regarding the proposal. SITLA will provide reclamation standards including the re-vegetation practices to be followed. Ben Williams representing the Utah Division of Wildlife Resources stated the area is classified crucial yearlong antelope habitat. No restrictions were requested. No other wildlife is expected to be significantly affected.

Application for Permit to Drill Statement of Basis

12/6/2010

Utah Division of Oil, Gas and Mining

Page 2

Floyd Bartlett
Onsite Evaluator

11/4/2010
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.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/20/2010

API NO. ASSIGNED: 43013504440000

WELL NAME: Greater Monument Butte 3-36-8-16H

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENW 36 080S 160E

Permit Tech Review:

SURFACE: 0356 FNL 2040 FWL

Engineering Review:

BOTTOM: 0300 FSL 0100 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.08067

LONGITUDE: -110.06916

UTM SURF EASTINGS: 579366.00

NORTHINGS: 4436915.00

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: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

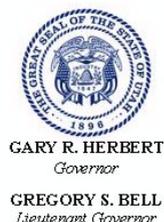
Commingle Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
9 - Cement casing to Surface - hmacdonald
15 - Directional - bhill
25 - Surface Casing - hmacdonald
27 - Other - bhill



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Greater Monument Butte 3-36-8-16H
API Well Number: 43013504440000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 12/6/2010

Issued to:

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

Authority:

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

Duration:

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

General:

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

Conditions of Approval:

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

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

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.

The cement volumes for the 5 1/2" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the stage collar depth back to the surface.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:



For John Rogers
Associate Director, Oil & Gas

CONFIDENTIAL

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Adam Ferrari Phone Number 435-823-6740
Well Name/Number State 3-36-8-16H
Qtr/Qtr NE/NW Section 36 Township 8S Range 16E
Lease Serial Number ML-22061
API Number 43-013-50444

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

Date/Time 2/1/2011 10:00 AM PM

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

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

Date/Time 2/1/2011 2:00PM AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22061
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GREATER MON BUTTE 3-36-8-16H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013504440000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0356 FNL 2040 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 08.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/17/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="APD Change"/>

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

Newfield requests to change the production casing design. The change in design is in the horizontal portion of the well only. Due to geological requirements, a special density LWD (logging while drilling) tool will be used. This tool is only available in 4-3/4" tool size. The well will be drilled as previously submitted in the vertical and curve sections (7-7/8" hole size). Once the well is landed in the Basal Carbonate formation the hole size will be changed to 6-1/8". The production casing will be changed to 4-1/2", 11.6#, N-80, LTC in the lateral portion of the well only. All other tubulars and production casing info will remain as originally submitted.

Approved by the Utah Division of Oil, Gas and Mining

Date: 02/17/2011

By: *Derek Duff*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 2/17/2011

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

CONFIDENTIAL

LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-22061

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GRTR MON BUTTE 3-36-8-16H

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350444

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: 8, T3S, R36E STATE: UT

8S 16E 36

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: 02/04/2011	<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 2/1/11 MIRU Ross #21. Spud well @8:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 301.78'. On 2/3/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Cheyenne Bateman

TITLE

SIGNATURE

DATE 02/04/2011

(This space for State use only)

RECEIVED
FEB 23 2011
DIV. OF OIL, GAS & MINING

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	✓ 4301350444 430350444	GREATER MON BUTTE 3-36-8-16H	NENW	36	8S	16E	DUCHESNE	2/1/2011	2/28/11
WELL 1 COMMENTS: GRRU BHL = SWSW CONFIDENTIAL											
B	99999	17400	✓ 4301334246	FEDERAL 1-35-8-15	NENE	35	8S	15E	DUCHESNE	1/27/2011	2/28/11
GRRU											
B	99999	17400	✓ 4301350237	GREATER MON BUTTE 0-26-8-16	SWNW	26	8S	16E	DUCHESNE	1/26/2011	2/28/11
GRRU BHL = SWNW											
B	99999	17400	✓ 4301350220	GREATER MON BUTTE T-34-8-16	NWSW	35	8S	16E	DUCHESNE	1/25/2011	2/28/11
GRRU BHL = Sec 34 SESE											
B	99999	17400	✓ 4301350233	GREATER MON BUTTE E-25-8-16	SWSW	24	8S	16E	DUCHESNE	1/29/2011	2/28/11
GRRU BHL = Sec 25 NWNW											
B	99999	17400	✓ 4301350232	GREATER MON BUTTE P-24-8-16	SWSW	24	8S	16E	DUCHESNE	1/28/2011	2/28/11
GRRU BHL = SWSW											

ACTION CODES (See instructions on back of form)

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

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

RECEIVED

FEB 14 2011

DIV. OF OIL, GAS & MINING

Signature

Production Clerk

Jentri Park

02/01/11

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:
GRTR MON BUTTE 3-36-8-16H

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350444

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

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:

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

COUNTY: DUCHESNE

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/09/2011	<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 04-09-11, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE *Lucy Chavez-Naupoto* DATE 04/11/2011

(This space for State use only)

RECEIVED
APR 25 2011
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GMB 3-36-8-16H

2/1/2011 To 6/30/2011

3/3/2011 Day: 1

Completion

WWS #5 on 3/3/2011 - Set WRP & dump bail sand on plug. RIH w/ port collar shifting tool & tbg. - MIRU WWS #5. NU Cameron wellhead. NU Schaeffer BOP. RU The Perforators wireline. Set WRP @ 5816'. Dump bail sand on plug. RD wireline. RIH w/ port collar shifting tool & 160 jts 2 7/8" tbg. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$9,618

3/4/2011 Day: 2

Completion

WWS #5 on 3/4/2011 - Cement csg. RD. - Cont. RIH w/ tbg. to port collar. RU BJ Services. Hold 300 psi on tbg. Open port collar. Establish circulation. Cement csg. w/ 515 sks cement. Returned approx. 55 bbls cement to pit. Shut port collar. RIH w/ 2 jts 2 7/8" tbg. Reverse circulate well clean. Pressure test to 3000 psi for 15 min w/ no bleed off. LD 8 jts 2 7/8" tbg. EOT @ 5504'. ND BOP. Land tbg. on B1 adapter flange. RD. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$50,455

3/24/2011 Day: 3

Completion

WWS #5 on 3/24/2011 - MIRU WWS #5. NU BOP. POOH w/ tbg. ND BOP. NU Frac sleeve & frac valve. - MIRU WWS #5. NU Weatherford BOP. Spot tbg. trailer. PU 10 jts 2 7/8" tbg. Tag fill. POOH w/ tbg. LD port shifting tool. ND BOP. NU Cameron frac sleeve, Weatherford 10M 7 1/16" frac valve and change overs to pressure test wellhead. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$55,370

3/25/2011 Day: 4

Completion

WWS #5 on 3/25/2011 - Pressure test sleeve & frac valve. Release plug. LD tbg. - RU Heatwaves pump truck. Pressure test csg., frac sleeve & frac valve to 6500 psi for 30 min. w/ no bleed off. NU Schaeffer BOP on frac valve. RIH w/ retrieving head & tbg. Circulate sand off plug. Circulate well clean. Release WRP. LD tbg. on trailer. ND Schaeffer BOP. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$62,282

3/28/2011 Day: 5

Completion

Rigless on 3/28/2011 - Run CBL & ru frac tree. - RU The Perforators wireline. Run CBL (no open hole log to correlate with). NU frac tree & flowback line & manifold. Pressure test frac tree & flowback equipment. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$72,370

3/31/2011 Day: 6**Completion**

Rigless on 3/31/2011 - Frac 6 stages. - RU BJ Services. Frac 6 stages. Stimulation report to follow. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$72,670

4/1/2011 Day: 7**Completion**

Rigless on 4/1/2011 - Frac remaining stages. Flow well. - Frac remaining stages. RD BJ Services. Open well to pit for immediate flowback. Turn well over to flowback crew.

Daily Cost: \$0

Cumulative Cost: \$90,593

4/5/2011 Day: 8**Completion**

Stone #8 on 4/5/2011 - ND frac tree. Set WRP @ 3030'. RIH w/ retrieving head & tbg. to 2911'. Circulate well w/ 10#. - RD frac tree to frac valve. RU The Perforators wireline. Set WRP @ 3030'. Bleed off well. ND Frac valve & frac mandrel. NU Schaeffer BOP. RIH w/ retrieving head & new 2 7/8" tbg. from pipe racks (tallying & drifting) to 2911'. RU hotoiler to tbg. Circulate well clean w/ 75 bbls 10# brine. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$227,315

4/6/2011 Day: 9**Completion**

Stone #8 on 4/6/2011 - Release WRP. Attempt to kill well w/ 10# brine w/ no success. - 0 PSI on well. RIH w/ tbg. Latch onto plug. Release plug. Well started flowing @ approx. 4 bpm. RU hotoiler to tbg. Pump 20 bbls 10# brine down tbg. RIH w/ 5 jts tbg. and stacked out. Pull up to 3098'. Circulate well w/ 170 bbls 10# brine. 550 psi on well after circulating well. Well continued to flow. Kill tbg. w/ 20 bbls 10# brine. RIH w/ tbg. Stacked out @ 3385'. Pull up to 3289'. Bull head 200 bbls 10# brine water down well. 1700 psi on well after bull heading. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$567,925

4/7/2011 Day: 10**Completion**

Stone #8 on 4/7/2011 - Attempt to kill well w/ no success. - Csg. @ 750 psi, tbg. @ 700 psi. RU hotoiler. Circulate well w/ 100 bbls 10# brine. Well still flowing. Flow well to tank. Returned 100 bbls brine & turned to oil. Flowed well for 7 hrs. Recovered 350 bbls water & 100 bbls oil. Pressure dropped to 100 psi. Circulate well w/ 80 bbls 10 brine water. SWIFN w/ 100 psi on well.

Daily Cost: \$0

Cumulative Cost: \$576,214

4/8/2011 Day: 11**Completion**

Stone #8 on 4/8/2011 - Round trip tbg. - Csg. @ 450 psi, tbg. @ 550 psi. Open well. Circulate well w/ 100 bbls 10# brine. POOH w/ tbg., stopping to kill well w/ 10# brine once. LD WRP. RIH w/ sand drain plug, 3 jts 2 7/8" tbg., sand gas anchor, 2 7/8" sub, 1 jt 2 7/8" tbg., PSN, 1

jt 2 7/8" tbg., 5 1/2" TAC, 196 jts 2 7/8" tbg., drifting tbg. (had to kill tbg. w/ 10# brine multiple times). SWIFN.

Daily Cost: \$0

Cumulative Cost: \$584,492

4/9/2011 Day: 12

Completion

Stone #8 on 4/9/2011 - Land tbg. Run Co-rod. PWOP. 3:30 p.m. 168" stroke length, 6 spm. - Kill well w/ 200 bbls 10# brine. ND BOP. Set TAC @ 6122' w/ 18,000# tension. Land tbg. on hanger. NU wellhead. RD. MIRU Weatherford Co-rod rig. RIH w/ MacGyver 1 3/4" x 28' rod pump, stabalizer sub, on/off tool, stabalizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Good pump action. RU pumping unit. Hang off rods. PWOP @ 3:30 p.m. 168" stroke length, 6 spm.

Daily Cost: \$0

Cumulative Cost: \$586,875

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
ML-22061

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

8. Lease Name and Well No.
GMB 3-36-8-16H

9. AFI Well No.
43-013-50444

10. Field and Pool or Exploratory
GREATER MB UNIT

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

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
02/01/2011

15. Date T.D. Reached
02/27/2011

16. Date Completed
04/08/2011
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5407' GL 5419' KB

18. Total Depth: MD 11003'
TVD 6158'

19. Plug Back T.D.: MD 10973'
TVD 6158'

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	315'		160 CLASS G			
7-7/8"	5-1/2" N-80	17#	0	6595'		320 PRIMLITE		118'	
6-1/8"	4-1/2" P-110	11.6#	6595'	10973'		385 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@ 6304'	TA @ 6120'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	6863'	10883'	6863-10883'	16.9 sq. in.	12	Sliding Sleeve
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6863-10883'	Frac w/ 647828#'s 100 mesh & 30/50 sand in 26736 bbls of fluid in 12 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/09/11	04/24/11	24	→	107	201	55			Weatherford 2-1/2" x 1-3/4" x 28' RTBC MacGyver Pump, stabilizer sub, on/off tool
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→					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	
	SI		→						

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD & USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	6706'	10961'		GARDEN GULCH MRK	3959'
				GARDEN GULCH 1	4160'
				GARDEN GULCH 2	4281'
				POINT 3	4558'
				X MRKR	4803'
				Y MRKR	4837'
DOUGALS CREEK MRK				BI CARBONATE MRK	4961'
					5210'
B LIMESTON MRK				CASTLE PEAK	5344'
					5825'
BASAL CARBONATE					6356'

32. Additional remarks (include plugging procedure):

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

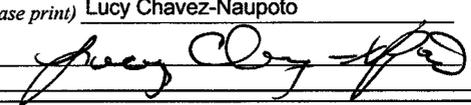
- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: Drilling Daily Activity

DIV. OF OIL, GAS & MINING

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 06/03/2011

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.



Weatherford®

Weatherford International Ltd.
2000 Oil Drive
Casper, WY 82604
Tel. 307-268-7900 Fax 307-235-3958

Date: February 22, 2011

Attention: Lucy Chavez-Naupoto

Re: Newfield Exploration
GMB 3-36-8-16H
DUCHESNE COUNTY, UT

Attached to this letter is a copy of the surveys taken by Precision Energy Services, a Weatherford International Ltd. company, MWD equipment on the subject well. The surveys from 346' to 10939' MD represent, to the best of our knowledge, a true and accurate survey of the wellbore at the time the survey was run.



Tracy Williams

Validly unknown

Tracy Williams
Well Planning Department

Digitally signed by
Tracy Williams
DN: cn=Tracy
Williams,
o=Weatherford
International Ltd., c=US
Date: 2009.09.22
09:41:38 -06'00'

Cc: Hans Wychgram
Newfield Exploration

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Weatherford International Ltd.
Survey Report



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-36-8-16H
Well: GMB 3-36-8-16H
Wellbore: GMB 3-36-8-16H
Design: GMB 3-36-8-16H

Local Co-ordinate Reference: Well GMB 3-36-8-16H
TVD Reference: WELL @ 5419.50ft (capstar 329)
MD Reference: WELL @ 5419.50ft (capstar 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	DUCHESNE COUNTY, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	GMB 3-36-8-16H				
Site Position:	Northing:	7,201,300.59ft	Latitude:	40° 4' 50.350 N	
From: Lat/Long	Easting:	2,040,545.92ft	Longitude:	110° 4' 11.720 W	
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.92 °

Well	GMB 3-36-8-16H					
Well Position	+N/-S	0.00 ft	Northing:	7,201,300.59 ft	Latitude:	40° 4' 50.350 N
	+E/-W	0.00 ft	Easting:	2,040,545.92 ft	Longitude:	110° 4' 11.720 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,406.90 ft	

Wellbore	GMB 3-36-8-16H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	2/11/2011	11.40	65.85	52,298

Design	GMB 3-36-8-16H				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	196.67	

Survey Program	Date 2/24/2011	
From (ft)	To (ft)	Survey (Wellbore)
346.00	11,003.00	MWD SURFACE SVY (GMB 3-36-8-16H)
		Tool Name
		MWD
		Description
		MWD - Standard

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Survey DIV. OF OIL, GAS & MINING

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
346.00	0.17	53.24	346.00	0.31	0.41	-0.41	0.05	0.05	0.00
438.00	0.13	109.03	438.00	0.35	0.62	-0.52	0.16	-0.04	60.64
529.00	0.18	112.50	529.00	0.27	0.85	-0.50	0.06	0.05	3.81
621.00	0.35	135.53	621.00	0.01	1.18	-0.35	0.21	0.18	25.03
713.00	0.50	100.94	713.00	-0.27	1.77	-0.25	0.32	0.16	-37.60
910.00	0.18	61.61	909.99	-0.28	2.89	-0.56	0.19	-0.16	-19.96
1,000.00	0.22	69.30	999.99	-0.15	3.17	-0.76	0.05	0.04	8.54
1,091.00	0.59	91.86	1,090.99	-0.11	3.80	-0.99	0.44	0.41	24.79
1,182.00	0.36	94.26	1,181.99	-0.14	4.56	-1.17	0.25	-0.25	2.64
1,273.00	0.66	81.25	1,272.98	-0.09	5.36	-1.46	0.35	0.33	-14.30
1,363.00	0.53	109.25	1,362.98	-0.14	6.27	-1.66	0.35	-0.14	31.11
1,454.00	0.79	106.30	1,453.97	-0.46	7.27	-1.64	0.29	0.29	-3.24



Weatherford International Ltd.
Survey Report



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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,545.00	0.40	101.64	1,544.97	-0.70	8.18	-1.68	0.43	-0.43	-5.12
1,635.00	0.57	94.04	1,634.96	-0.79	8.93	-1.80	0.20	0.19	-8.44
1,726.00	0.70	66.00	1,725.96	-0.60	9.89	-2.26	0.37	0.14	-30.81
1,816.00	0.44	93.69	1,815.95	-0.40	10.74	-2.70	0.41	-0.29	30.77
1,907.00	0.18	39.33	1,906.95	-0.31	11.18	-2.91	0.40	-0.29	-59.74
1,998.00	0.35	358.33	1,997.95	0.08	11.26	-3.31	0.27	0.19	-45.06
2,088.00	0.40	321.11	2,087.95	0.60	11.06	-3.74	0.27	0.06	-41.36
2,179.00	0.40	263.27	2,178.95	0.81	10.54	-3.80	0.43	0.00	-63.56
2,269.00	0.40	281.91	2,268.95	0.84	9.92	-3.65	0.14	0.00	20.71
2,360.00	0.53	255.28	2,359.94	0.79	9.20	-3.40	0.27	0.14	-29.26
2,451.00	0.83	258.66	2,450.94	0.56	8.15	-2.87	0.33	0.33	3.71
2,542.00	1.19	264.59	2,541.92	0.34	6.56	-2.21	0.41	0.40	6.52
2,632.00	0.79	234.40	2,631.91	-0.11	5.13	-1.37	0.72	-0.44	-33.54
2,723.00	0.75	247.76	2,722.90	-0.70	4.07	-0.50	0.20	-0.04	14.68
2,813.00	1.19	247.76	2,812.89	-1.28	2.66	0.46	0.49	0.49	0.00
2,904.00	1.40	272.85	2,903.86	-1.58	0.67	1.32	0.66	0.23	27.57
2,995.00	1.54	295.22	2,994.84	-1.00	-1.54	1.40	0.64	0.15	24.58
3,085.00	0.88	317.68	3,084.82	0.02	-3.10	0.87	0.89	-0.73	24.96
3,176.00	0.66	315.16	3,175.81	0.91	-3.94	0.26	0.24	-0.24	-2.77
3,267.00	0.53	305.95	3,266.80	1.53	-4.65	-0.13	0.18	-0.14	-10.12
3,358.00	0.75	269.34	3,357.80	1.77	-5.59	-0.09	0.50	0.24	-40.23
3,448.00	0.79	248.16	3,447.79	1.53	-6.76	0.47	0.32	0.04	-23.53
3,539.00	1.01	239.85	3,538.78	0.90	-8.03	1.44	0.28	0.24	-9.13
3,720.00	0.92	237.08	3,719.75	-0.69	-10.63	3.71	0.06	-0.05	-1.53
3,811.00	1.32	240.20	3,810.73	-1.61	-12.15	5.03	0.44	0.44	3.43
3,901.00	1.05	234.01	3,900.72	-2.61	-13.72	6.44	0.33	-0.30	-6.88
3,992.00	1.14	258.75	3,991.70	-3.28	-15.28	7.52	0.52	0.10	27.19
4,083.00	1.09	258.35	4,082.68	-3.63	-17.02	8.36	0.06	-0.05	-0.44
4,173.00	1.23	255.01	4,172.66	-4.05	-18.79	9.27	0.17	0.16	-3.71
4,264.00	1.41	248.73	4,263.64	-4.71	-20.78	10.47	0.25	0.20	-6.90
4,355.00	1.49	243.68	4,354.61	-5.64	-22.88	11.97	0.17	0.09	-5.55
4,445.00	1.45	236.25	4,444.58	-6.79	-24.88	13.64	0.22	-0.04	-8.26
4,536.00	1.05	219.11	4,535.56	-8.08	-26.36	15.30	0.60	-0.44	-18.84
4,626.00	1.49	205.35	4,625.54	-9.78	-27.38	17.22	0.59	0.49	-15.29
4,717.00	1.80	207.02	4,716.50	-12.12	-28.54	19.80	0.34	0.34	1.84
4,808.00	0.83	201.58	4,807.47	-14.01	-29.43	21.86	1.07	-1.07	-5.98
4,898.00	0.44	193.14	4,897.47	-14.95	-29.75	22.85	0.44	-0.43	-9.38
4,989.00	1.08	181.79	4,988.46	-16.15	-29.85	24.03	0.72	0.70	-12.47
5,080.00	1.19	168.00	5,079.44	-17.93	-29.68	25.69	0.32	0.12	-15.15
5,170.00	1.45	189.67	5,169.42	-19.96	-29.68	27.64	0.62	0.29	24.08
5,261.00	1.49	177.85	5,260.39	-22.28	-29.83	29.90	0.34	0.04	-12.99
5,352.00	1.41	182.85	5,351.36	-24.58	-29.84	32.11	0.16	-0.09	5.49
5,442.00	1.67	171.78	5,441.33	-26.99	-29.71	34.37	0.44	0.29	-12.30
5,533.00	1.91	171.20	5,532.28	-29.80	-29.29	36.95	0.26	0.26	-0.64
5,624.00	2.11	167.47	5,623.23	-32.93	-28.69	39.78	0.26	0.22	-4.10
5,648.00	1.80	174.59	5,647.21	-33.74	-28.56	40.51	1.64	-1.29	29.67
5,686.00	2.04	172.46	5,685.19	-35.00	-28.41	41.68	0.66	0.63	-5.61
5,716.00	3.31	173.40	5,715.16	-36.39	-28.24	42.96	4.24	4.23	3.13
5,742.00	5.56	174.40	5,741.08	-38.39	-28.04	44.82	8.66	8.65	3.85
5,757.00	7.00	176.53	5,755.99	-40.03	-27.91	46.35	9.72	9.60	14.20
5,772.00	8.25	178.15	5,770.86	-42.02	-27.82	48.23	8.45	8.33	10.80
5,787.00	9.94	180.03	5,785.67	-44.39	-27.78	50.49	11.44	11.27	12.53
5,802.00	11.50	182.90	5,800.40	-47.17	-27.86	53.18	10.99	10.40	19.13
5,817.00	13.38	185.28	5,815.05	-50.40	-28.10	56.34	10.53	10.53	15.87

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 North Reference: True
 Survey Calculation Method: Minimum Curvature
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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)
5,832.00	15.13	186.40	5,829.59	-54.07	-28.47	59.97	11.81	11.67	7.47
5,847.00	16.81	188.78	5,844.01	-58.16	-29.02	64.04	12.02	11.20	15.87
5,862.00	18.56	190.90	5,858.30	-62.65	-29.81	68.56	12.43	11.67	14.13
5,878.00	20.06	192.28	5,873.40	-67.83	-30.87	73.83	9.80	9.38	8.63
5,892.00	21.88	195.28	5,886.47	-72.69	-32.07	78.84	15.09	13.00	21.43
5,907.00	23.19	195.78	5,900.33	-78.23	-33.61	84.58	8.83	8.73	3.33
5,923.00	24.56	196.65	5,914.96	-84.45	-35.42	91.06	8.84	8.56	5.44
5,937.00	25.81	197.78	5,927.63	-90.14	-37.18	97.02	9.57	8.93	8.07
5,968.00	28.29	199.56	5,955.23	-103.49	-41.70	111.10	8.41	8.00	5.74
5,998.00	31.25	201.28	5,981.27	-117.44	-46.91	125.96	10.27	9.87	5.73
6,014.00	32.81	201.90	5,994.84	-125.33	-50.03	134.42	9.96	9.75	3.88
6,044.00	34.75	203.65	6,019.77	-140.71	-56.50	151.00	7.23	6.47	5.83
6,059.00	35.38	204.03	6,032.05	-148.59	-59.98	159.55	4.45	4.20	2.53
6,071.00	36.06	204.78	6,041.79	-154.97	-62.87	166.49	6.74	5.67	6.25
6,086.00	37.63	204.53	6,053.79	-163.14	-66.63	175.40	10.51	10.47	-1.67
6,101.00	39.06	204.53	6,065.56	-171.61	-70.49	184.62	9.53	9.53	0.00
6,120.00	40.19	204.65	6,080.19	-182.63	-75.53	196.62	5.96	5.95	0.63
6,150.00	40.94	204.03	6,102.98	-200.40	-83.57	215.95	2.84	2.50	-2.07
6,180.00	42.18	203.61	6,125.43	-218.61	-91.61	235.70	4.24	4.13	-1.40
6,210.00	45.19	202.78	6,147.12	-237.65	-99.76	256.28	10.21	10.03	-2.77
6,225.00	47.56	202.53	6,157.47	-247.67	-103.95	267.08	15.85	15.80	-1.67
6,240.00	49.69	202.15	6,167.39	-258.08	-108.22	278.28	14.33	14.20	-2.53
6,270.00	52.75	202.65	6,186.17	-279.70	-117.14	301.55	10.28	10.20	1.67
6,285.00	53.88	203.03	6,195.13	-290.79	-121.81	313.51	7.80	7.53	2.53
6,300.00	55.44	203.15	6,203.81	-302.04	-126.60	325.67	10.42	10.40	0.80
6,320.00	58.19	203.15	6,214.76	-317.43	-133.18	342.30	13.75	13.75	0.00
6,350.00	62.75	203.15	6,229.54	-341.43	-143.44	368.23	15.20	15.20	0.00
6,376.00	66.19	202.15	6,240.74	-363.08	-152.47	391.56	13.68	13.23	-3.85
6,406.00	69.19	201.28	6,252.13	-388.86	-162.74	419.20	10.35	10.00	-2.90
6,436.00	71.63	200.40	6,262.19	-415.27	-172.79	447.39	8.59	8.13	-2.93
6,466.00	74.31	199.03	6,270.97	-442.27	-182.47	476.03	9.94	8.93	-4.57
6,496.00	76.69	198.65	6,278.48	-469.76	-191.84	505.05	8.03	7.93	-1.27
6,512.00	78.38	198.65	6,281.94	-484.56	-196.84	520.66	10.56	10.56	0.00
6,522.00	79.38	198.65	6,283.87	-493.86	-199.98	530.47	10.00	10.00	0.00
6,532.00	80.50	198.28	6,285.61	-503.20	-203.10	540.31	11.78	11.20	-3.70
6,542.00	81.81	198.53	6,287.15	-512.57	-206.22	550.18	13.33	13.10	2.50
6,552.00	83.63	198.78	6,288.42	-521.97	-209.39	560.10	18.37	18.20	2.50
6,562.00	85.38	198.78	6,289.38	-531.39	-212.59	570.04	17.50	17.50	0.00
6,604.00	89.65	198.63	6,291.20	-571.13	-226.05	611.97	10.17	10.17	-0.36
6,650.00	91.36	199.01	6,290.79	-614.67	-240.88	657.93	3.81	3.72	0.83
6,695.00	93.44	198.45	6,288.91	-657.24	-255.32	702.86	4.79	4.62	-1.24
6,740.00	93.53	198.28	6,286.17	-699.87	-269.47	747.76	0.43	0.20	-0.38
6,786.00	94.69	198.48	6,282.87	-743.41	-283.94	793.62	2.56	2.52	0.43
6,831.00	93.53	199.51	6,279.65	-785.85	-298.55	838.47	3.44	-2.58	2.29
6,876.00	90.19	199.18	6,278.19	-828.28	-313.44	883.39	7.46	-7.42	-0.73
6,922.00	88.15	198.07	6,278.86	-871.87	-328.13	929.35	5.05	-4.43	-2.41
6,967.00	88.58	198.50	6,280.14	-914.58	-342.25	974.31	1.35	0.96	0.96
7,012.00	88.83	197.19	6,281.16	-957.40	-356.03	1,019.29	2.96	0.56	-2.91
7,058.00	89.08	197.05	6,282.00	-1,001.35	-369.57	1,065.28	0.62	0.54	-0.30
7,103.00	88.82	196.60	6,282.82	-1,044.42	-382.59	1,110.28	1.15	-0.58	-1.00
7,148.00	90.92	198.22	6,282.92	-1,087.35	-396.06	1,155.27	5.89	4.67	3.60
7,194.00	92.97	198.40	6,281.36	-1,131.00	-410.50	1,201.22	4.47	4.46	0.39
7,239.00	92.59	198.27	6,279.18	-1,173.66	-424.64	1,246.15	0.89	-0.84	-0.29
7,285.00	91.54	197.39	6,277.52	-1,217.42	-438.71	1,292.11	2.98	-2.38	-1.91

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Company: NEWFIELD EXPLORATION CO.
 Project: DUCHESNE COUNTY, UT
 Site: GMB 3-36-8-16H
 Well: GMB 3-36-8-16H
 Wellbore: GMB 3-36-8-16H
 Design: GMB 3-36-8-16H

Local Co-ordinate Reference: Well GMB 3-36-8-16H
 TVD Reference: WELL @ 5419.50ft (capstar 329)
 MD Reference: WELL @ 5419.50ft (capstar 329)
 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)
7,330.00	92.66	198.74	6,275.87	-1,260.18	-452.66	1,337.06	3.90	2.49	3.00
7,375.00	91.05	200.11	6,274.41	-1,302.59	-467.62	1,381.98	4.70	-3.58	3.04
7,420.00	92.12	201.63	6,273.17	-1,344.62	-483.64	1,426.84	4.13	2.38	3.38
7,466.00	92.20	204.09	6,271.44	-1,386.97	-501.50	1,472.54	5.35	0.17	5.35
7,511.00	91.50	204.45	6,269.98	-1,427.97	-519.98	1,517.12	1.75	-1.56	0.80
7,557.00	90.18	204.27	6,269.31	-1,469.87	-538.95	1,562.70	2.90	-2.87	-0.39
7,602.00	92.16	204.43	6,268.39	-1,510.86	-557.50	1,607.29	4.41	4.40	0.36
7,647.00	93.28	204.75	6,266.25	-1,551.73	-576.21	1,651.81	2.59	2.49	0.71
7,693.00	93.08	204.46	6,263.70	-1,593.49	-595.33	1,697.30	0.77	-0.43	-0.63
7,738.00	87.97	201.42	6,263.29	-1,634.91	-612.86	1,742.00	13.21	-11.36	-6.76
7,783.00	86.35	203.13	6,265.52	-1,676.50	-629.89	1,786.73	5.23	-3.60	3.80
7,828.00	86.05	201.79	6,268.50	-1,717.99	-647.05	1,831.40	3.05	-0.67	-2.98
7,874.00	87.60	200.76	6,271.05	-1,760.79	-663.71	1,877.18	4.04	3.37	-2.24
7,919.00	91.42	202.00	6,271.44	-1,802.68	-680.11	1,922.02	8.92	8.49	2.76
7,964.00	95.62	202.51	6,268.67	-1,844.24	-697.12	1,966.71	9.40	9.33	1.13
8,010.00	92.66	201.83	6,265.35	-1,886.73	-714.43	2,012.37	6.60	-6.43	-1.48
8,055.00	92.84	203.18	6,263.19	-1,928.25	-731.63	2,057.09	3.02	0.40	3.00
8,100.00	91.66	203.15	6,261.43	-1,969.59	-749.32	2,101.76	2.62	-2.62	-0.07
8,146.00	91.66	204.62	6,260.09	-2,011.63	-767.94	2,147.38	3.19	0.00	3.20
8,191.00	92.15	206.89	6,258.60	-2,052.14	-787.48	2,191.79	5.16	1.09	5.04
8,236.00	92.22	207.86	6,256.88	-2,092.07	-808.16	2,235.97	2.16	0.16	2.16
8,312.00	92.20	210.97	6,253.95	-2,158.21	-845.45	2,310.03	4.09	-0.03	4.09
8,357.00	91.97	212.81	6,252.31	-2,196.39	-869.21	2,353.42	4.12	-0.51	4.09
8,403.00	91.86	213.44	6,250.78	-2,234.90	-894.33	2,397.51	1.39	-0.24	1.37
8,448.00	91.17	211.83	6,249.59	-2,272.78	-918.59	2,440.76	3.89	-1.53	-3.58
8,493.00	91.36	212.26	6,248.59	-2,310.91	-942.46	2,484.14	1.04	0.42	0.96
8,539.00	90.68	212.54	6,247.77	-2,349.74	-967.10	2,528.41	1.60	-1.48	0.61
8,584.00	91.48	211.70	6,246.93	-2,387.85	-991.03	2,571.78	2.58	1.78	-1.87
8,629.00	93.39	209.61	6,245.01	-2,426.52	-1,013.95	2,615.40	6.29	4.24	-4.64
8,675.00	91.54	207.57	6,243.04	-2,466.87	-1,035.94	2,660.36	5.98	-4.02	-4.43
8,720.00	91.73	207.64	6,241.75	-2,506.73	-1,056.78	2,704.52	0.45	0.42	0.16
8,765.00	91.54	206.62	6,240.47	-2,546.76	-1,077.29	2,748.76	2.30	-0.42	-2.27
8,811.00	90.43	204.41	6,239.68	-2,588.27	-1,097.10	2,794.20	5.38	-2.41	-4.80
8,856.00	88.89	201.00	6,239.94	-2,629.77	-1,114.47	2,838.94	8.31	-3.42	-7.58
8,901.00	89.44	200.19	6,240.60	-2,671.89	-1,130.29	2,883.83	2.18	1.22	-1.80
8,946.00	89.63	199.81	6,240.96	-2,714.18	-1,145.69	2,928.75	0.94	0.42	-0.84
8,992.00	89.94	200.09	6,241.14	-2,757.42	-1,161.38	2,974.68	0.91	0.67	0.61
9,037.00	90.86	199.55	6,240.82	-2,799.75	-1,176.64	3,019.61	2.37	2.04	-1.20
9,082.00	91.97	198.22	6,239.71	-2,842.31	-1,191.20	3,064.56	3.85	2.47	-2.96
9,128.00	93.27	199.42	6,237.61	-2,885.81	-1,206.02	3,110.48	3.84	2.83	2.61
9,173.00	92.34	198.33	6,235.41	-2,928.33	-1,220.56	3,155.39	3.18	-2.07	-2.42
9,218.00	91.67	198.07	6,233.83	-2,971.06	-1,234.61	3,200.35	1.60	-1.49	-0.58
9,264.00	92.29	197.47	6,232.24	-3,014.83	-1,248.64	3,246.31	1.88	1.35	-1.30
9,309.00	93.94	196.72	6,229.80	-3,057.78	-1,261.85	3,291.24	4.03	3.67	-1.67
9,354.00	94.45	196.98	6,226.51	-3,100.73	-1,274.85	3,336.12	1.27	1.13	0.58
9,400.00	94.82	196.67	6,222.79	-3,144.62	-1,288.13	3,381.97	1.05	0.80	-0.67
9,445.00	94.83	196.78	6,219.00	-3,187.56	-1,301.03	3,426.81	0.24	0.02	0.24
9,490.00	94.27	196.56	6,215.43	-3,230.54	-1,313.90	3,471.67	1.34	-1.24	-0.49
9,536.00	93.46	196.89	6,212.33	-3,274.49	-1,327.11	3,517.56	1.90	-1.76	0.72
9,581.00	93.64	197.15	6,209.55	-3,317.44	-1,340.25	3,562.47	0.70	0.40	0.58
9,626.00	94.27	196.68	6,206.44	-3,360.39	-1,353.31	3,607.37	1.75	1.40	-1.04
9,672.00	93.76	195.43	6,203.22	-3,404.48	-1,366.00	3,653.25	2.93	-1.11	-2.72
9,717.00	93.45	195.93	6,200.39	-3,447.72	-1,378.14	3,698.15	1.31	-0.69	1.11
9,762.00	93.69	195.36	6,197.59	-3,490.97	-1,390.25	3,743.06	1.37	0.53	-1.27

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Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-36-8-16H
Well: GMB 3-36-8-16H
Wellbore: GMB 3-36-8-16H
Design: GMB 3-36-8-16H

Local Co-ordinate Reference: Well GMB 3-36-8-16H
TVD Reference: WELL @ 5419.50ft (capstar 329)
MD Reference: WELL @ 5419.50ft (capstar 329)
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)
9,808.00	94.27	195.17	6,194.40	-3,535.24	-1,402.34	3,788.93	1.33	1.26	-0.41
9,853.00	94.69	194.60	6,190.88	-3,578.60	-1,413.86	3,833.77	1.57	0.93	-1.27
9,897.00	93.83	195.03	6,187.61	-3,621.02	-1,425.08	3,877.63	2.18	-1.95	0.98
9,942.00	92.16	196.21	6,185.26	-3,664.29	-1,437.18	3,922.56	4.54	-3.71	2.62
9,987.00	90.06	196.14	6,184.39	-3,707.50	-1,449.71	3,967.54	4.67	-4.67	-0.16
10,033.00	90.25	196.49	6,184.27	-3,751.65	-1,462.63	4,013.54	0.87	0.41	0.76
10,078.00	90.99	196.76	6,183.78	-3,794.77	-1,475.51	4,058.54	1.75	1.64	0.60
10,123.00	91.23	195.96	6,182.91	-3,837.93	-1,488.18	4,103.53	1.86	0.53	-1.78
10,169.00	91.23	196.00	6,181.92	-3,882.15	-1,500.84	4,149.52	0.09	0.00	0.09
10,214.00	91.73	195.79	6,180.76	-3,925.41	-1,513.16	4,194.50	1.21	1.11	-0.47
10,259.00	91.54	195.46	6,179.48	-3,968.73	-1,525.28	4,239.47	0.85	-0.42	-0.73
10,305.00	91.05	195.15	6,178.44	-4,013.09	-1,537.42	4,285.45	1.26	-1.07	-0.67
10,350.00	90.99	195.08	6,177.63	-4,056.52	-1,549.15	4,330.42	0.20	-0.13	-0.16
10,395.00	92.41	195.82	6,176.30	-4,099.88	-1,561.13	4,375.39	3.56	3.16	1.64
10,441.00	91.67	195.70	6,174.66	-4,144.12	-1,573.62	4,421.36	1.63	-1.61	-0.26
10,486.00	91.73	196.62	6,173.33	-4,187.32	-1,586.13	4,466.33	2.05	0.13	2.04
10,531.00	90.99	196.08	6,172.26	-4,230.49	-1,598.80	4,511.32	2.04	-1.64	-1.20
10,577.00	90.80	196.35	6,171.54	-4,274.66	-1,611.64	4,557.31	0.72	-0.41	0.59
10,622.00	90.80	196.21	6,170.91	-4,317.85	-1,624.26	4,602.31	0.31	0.00	-0.31
10,667.00	91.91	196.31	6,169.85	-4,361.03	-1,636.85	4,647.29	2.48	2.47	0.22
10,713.00	91.66	195.80	6,168.42	-4,405.22	-1,649.57	4,693.27	1.23	-0.54	-1.11
10,758.00	91.91	196.00	6,167.01	-4,448.48	-1,661.89	4,738.24	0.71	0.56	0.44
10,803.00	92.84	195.73	6,165.15	-4,491.72	-1,674.18	4,783.20	2.15	2.07	-0.60
10,849.00	92.78	195.77	6,162.89	-4,535.94	-1,686.65	4,829.14	0.16	-0.13	0.09
10,894.00	92.53	195.57	6,160.81	-4,579.22	-1,698.79	4,874.08	0.71	-0.56	-0.44
LAST SVY									
10,939.00	91.23	195.96	6,159.33	-4,622.51	-1,711.01	4,919.05	3.02	-2.89	0.87
PROJ SVY - PBHL GMB 3-36-8-16H									
11,003.00	91.23	195.96	6,157.96	-4,684.03	-1,728.61	4,983.03	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,939.00	6,159.33	-4,622.51	-1,711.01	LAST SVY
11,003.00	6,157.96	-4,684.03	-1,728.61	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____

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JUN 13 2011

Daily Activity Report

Format For Sundry

GMB 3-36-8-16H**12/1/2010 To 4/28/2011****GMB 3-36-8-16H****Waiting on Cement****Date:** 2/4/2011

Ross #21 at 310. Days Since Spud - @ 301.78. On 1/27/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 5bbls to pit, bump plug to 120 psi, BLM and State were notified of spud via email. - On 2/1/11 Ross #21 spud and drilled 310' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set

Daily Cost: \$0**Cumulative Cost:** \$127,052**GMB 3-36-8-16H****Drill 7 7/8" hole with fresh water****Date:** 2/12/2011

Capstar #329 at 826. 1 Days Since Spud - Hook up Kelly hose - Slip and cut drilling line found bad drilling line on drum - Nipple up BOP's - Pick up motor, MWD, scribe tools, install rotating head, & TIH tag cmt @ - Test BOP's & Hydrill 250 low 1500 high_Rams & choke 250 low 2000 high_Test 8 5/8" csg to 1500 psi - Drill 310' - 826' (516') @ 129 fph/av 55 rot + 141 mm=195 trpm 860 psi pump press w/ 426 gpm - Hold pre move & rig up safety meeting & move in with howcroft trucking, set rig components, & rig up - Load pipe rack with BHA and SLM same - Rig repair rotating head bowl leaking - Drill cmt & float equipt tag cmt @ 265' - Rig up hook up kill lines & install wear bushing

Daily Cost: \$0**Cumulative Cost:** \$169,416**GMB 3-36-8-16H****Drill 7 7/8" hole with fresh water****Date:** 2/13/2011

Capstar #329 at 4180. 2 Days Since Spud - Drill 826' - 962' (136') @ 136 fph/av 55 rot + 141 mm=195 trpm 880 psi pump press w/ 426 gpm - Troubleshoot MWD - Drill 962' - 1735' (773') @ 172 fph/av 55 rot + 141 mm=195 trpm 900 psi pump press w/ 426 gpm - Rig service - Drill 1735' - 4180' (2445') @ 140 fph/av 55 rot + 141 mm=195 trpm 1200 psi pump press w/ 426 gpm

Daily Cost: \$0**Cumulative Cost:** \$192,647**GMB 3-36-8-16H****TIH****Date:** 2/14/2011

Capstar #329 at 5700. 3 Days Since Spud - Load racks with Build / Curve BHA and SLM - Drill 4180' - 4905' (725') @ 85 fph/av 55 rot + 141 mm=195 trpm 1200 psi pump press w/ 426 gpm - Rig Service - Drill 4905' - 5700' (795') @ 106 fph/av 55 rot + 141 mm=195 trpm 1200 psi pump press w/ 426 gpm - Pick up Build / Curve bha and scribe tools - TOOH - Flow check / no flow Break off kelly hose and circ pumps - TOOH and laydown BHA - Circulate pump high vis sweep and circ hole clean flow check / no flow

Daily Cost: \$0**Cumulative Cost:** \$244,137**RECEIVED****JUN 13 2011****GMB 3-36-8-16H****Drill 7 7/8" hole with fresh water****Date:** 2/15/2011

Capstar #329 at 6198. 4 Days Since Spud - TOOH to check bit, pick up low speed motor (.20

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rpm) and dial mtr to 2.0 deg - circulate pump high vis pill and circulate hole clean flow check/no flow - Rot drill for tangent 6119' - 6198' (79') @ 39.5 fph/av 40 rpm + 136 MM=176, 1000 psi pump pressure - Slide drill for Curve 5700' - 6119' (419') @ 35 fph/av 136 rpm MM, 1000 psi pump pressure - Wash in the hole from 5300-5700 for gamma ray log - TIH load racks and SLM pipe - Rig repair repair 2" line going to brake water - Rig repair brake water pumped stopped up due sludge in bottom of tank - Rig service brake water lines - TIH load racks and SLM pipe - Pick up Build / Curve bha and scribe tools - insufficient build rates to land curve

Daily Cost: \$0

Cumulative Cost: \$283,841

GMB 3-36-8-16H

Drill 7 7/8" curve

Date: 2/16/2011

Capstar #329 at 6469. 5 Days Since Spud - TOOH laydown motor and inspect bit bit not damaged - Slide/Rot drill for Curve 6198' - 6469' (271') @ 18.7 fph/av 85mm + 20=105, 1000 psi pump pressure - Work BHA P/U .20 rpg weatherford motor, scribe tools, and TIH - Wash from 6000'-6198' - Rig Service replace belts on swivel motor - Rig Repair replace belts on swivel motor - TOOH to c/o mtr - Rig Repair repair iron roughneck

Daily Cost: \$0

Cumulative Cost: \$334,163

GMB 3-36-8-16H

TIH

Date: 2/17/2011

Capstar #329 at 6611. 6 Days Since Spud - Circ./Cond hole for trip - Service Rig - Slide/Rot drill for Curve 6469' - 6611' (142') @ 14.2 fph/av 85mm + 20=105, 1000 psi pump pressure - POOH to PU Lateral Ass'y - LD MWD, Mtr. & Bit - Load pipe racks & strap DP - PU Mtr. Bit - PU LWD Scribe & Program - Hook up Kelly hose & test LWD tools - Take off Kelly hose - TIH - TIH

Daily Cost: \$0

Cumulative Cost: \$371,346

GMB 3-36-8-16H

Drlg. 6 1/8 Lateral

Date: 2/18/2011

Capstar #329 at 7208. 7 Days Since Spud - TIH - Install rotating head - Hook up Kelly hose & brake Circ. - TIH - Load pipe on racks & strap pipe - TIH - Load pipe on racks & strap pipe - TIH - Load pipe on racks & strap pipe - Wash 200' to bottom @ 100' per hour for LWD - Drlg. 6611' - 6710', 99', @ 39.6 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Service rig - Drlg. 6710' - 7208', 498', @ 41.5 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275

Daily Cost: \$0

Cumulative Cost: \$414,042

GMB 3-36-8-16H

Drlg. 6 1/8 Lateral

Date: 2/19/2011

Capstar #329 at 7910. 8 Days Since Spud - Drlg. 7571' - 7910', 339', @ 28.25 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Rig Service - Drlg. 7208' - 7526', 318', @ 37.41 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - LWD coumputer failer - Drlg. 7526' - 7571', 45', @ 22.5 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275

Daily Cost: \$0

Cumulative Cost: \$451,144

GMB 3-36-8-16H

Drlg. 6 1/8 Lateral

Date: 2/20/2011

Capstar #329 at 8330. 9 Days Since Spud - Cir/Cond hole for trip. Pump high vis sweep and pump slug. - Drlg. 7910' - 8330', 420', @ 40 FPH, WOB 12, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - TOO H for motor failure. - LD LWD tools - Program LWD tool - Hook up Kelly hose & test tools - TIH - PU Dirc. Tools scribe

Daily Cost: \$0**Cumulative Cost:** \$504,252**GMB 3-36-8-16H****Drlg. 6 1/8 Lateral****Date:** 2/21/2011

Capstar #329 at 8961. 10 Days Since Spud - TIH - Hook up Kelly hose Brake Circ. - TIH to 8055' - Wash to bottom - Drlg. 8330' - 8961', 631', @ 43.51 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275

Daily Cost: \$0**Cumulative Cost:** \$555,358**GMB 3-36-8-16H****Drlg. 6 1/8 Lateral****Date:** 2/22/2011

Capstar #329 at 9957. 11 Days Since Spud - LWD tool failure. Pulser quit working. - Drlg. 9821' - 9957', 136', @ 34 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Replace hydraulic pump - Drlg. 9097' - 9821', 724', @ 60.3 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Service Rig - Drlg. 8961' - 9097', 136', @ 54.4 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Condition mud and circulate.

Daily Cost: \$0**Cumulative Cost:** \$601,849**GMB 3-36-8-16H****Drlg. 6 1/8 Lateral****Date:** 2/23/2011

Capstar #329 at 10047. 12 Days Since Spud - LD Sources & LWD Tools - Drlg. 9957' - 10047', 90', @ 36 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - W&R from 9157' - 9957' W&R 9157' - 9957' - TIH - Hookup Kelly hose & Brake Circ. - TIH Hook up Kelly hose & fill pipe @ 5625' - PU new Bit Mtr. Scrib, & calbrate & Program LWD tools - POOH for LWD Tools - Take Kelly hose lose - POOH for LWD Tools - Circ./Cond. Hole for trip

Daily Cost: \$0**Cumulative Cost:** \$662,631**GMB 3-36-8-16H****TOOH****Date:** 2/24/2011

Capstar #329 at 11003. 13 Days Since Spud - POOH for Logs - Take Kelly hose loose - Circ./Cond hole LD joint of pipe each BU spot lubra-beads Pump slug - TD Well @ 23:00 hours 2-23-11 - Drlg. 10183' - 11003', 820', @ 60.74 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275 - Service Rig - POOH for Logs - Drlg. 10047' - 10183', 136', @ 45.33 FPH, WOB 20, RPM Rot. 60 Mtr. 126 = 186, GPM 275

Daily Cost: \$0**Cumulative Cost:** \$710,190**GMB 3-36-8-16H****TOOH****Date:** 2/25/2011

Capstar #329 at 11003. 14 Days Since Spud - TIH with Logs - RU Loggers Shallow test - Wait on Weatherford Loggers - TOO H for Logs - Repair Rig Right angle drive braring

Daily Cost: \$0**RECEIVED****JUN 13 2011**

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Cumulative Cost: \$769,469

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Logging

Date: 2/26/2011

Capstar #329 at 10003. 15 Days Since Spud - POOH to change battters - Batteris not charge good RD Suttel logs RU wireline Logs - Run wireline Logs - Rig Repair

Daily Cost: \$0

Cumulative Cost: \$790,324

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Logging

Date: 2/27/2011

Capstar #329 at 1003. 16 Days Since Spud - Run Logs went to 6150' run MLG,MMI, MDN,MPD,CMI,CML - Run casing - Rig repair Hyd. Cylinder on boom

Daily Cost: \$0

Cumulative Cost: \$840,212

GMB 3-36-8-16H

Rigging down

Date: 2/28/2011

Capstar #329 at 1003. 17 Days Since Spud - Run casing Tight @ 10550' To 10973' - Circ. @ 3 bbl's per min - Pump 70 bbl's of 2% KCL - RD For Move - ND BOP & Clean pits (RR @ 18:00 hours 2-27-11) - Drop ball & Pump 180 displacement, bump ball held 2500 ps1 for 5 min& 3000 psi for 10 min **Finalized**

Daily Cost: \$0

Cumulative Cost: \$1,241,576

Pertinent Files: Go to File List

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