

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 3-32-8-16H		
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-21836		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	433 FNL 1699 FWL	NENW	32	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	433 FNL 1699 FWL	NENW	32	8.0 S	16.0 E	S
At Total Depth	150 FSL 290 FWL	SWSW	32	8.0 S	16.0 E	S
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 150		23. NUMBER OF ACRES IN DRILLING UNIT 320		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 397		26. PROPOSED DEPTH MD: 6226 TVD: 6226		
27. ELEVATION - GROUND LEVEL 5714		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 09/30/2010	EMAIL mcrozier@newfield.com
API NUMBER ASSIGNED 43013504330000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	500		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	500	24.0			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	11049		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	11049	17.0			

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**NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-32-8-16H
SHL: NE/NW SECTION 32, T8S, R16E
BHL: SW/SW SECTION 32, 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 5,864'. Directional tools will then be used to build to 91.5° 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	1,715'
Target (Basal Carbonate)	6,226'
TD	6,226' TVD / 11,049' MD

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

Green River Formation (Oil) 4,260' – 6,226' 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 STATE at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

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

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

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH

Water Classification (State of Utah)
 Dissolved Iron (Fe) (ug/l)
 Dissolved Magnesium (Mg) (mg/l)
 Dissolved Bicarbonate (NaHCO₃) (mg/l)
 Dissolved Sulfate (SO₄) (mg/l)

Dissolved Calcium (Ca) (mg/l)
 Dissolved Sodium (Na) (mg/l)
 Dissolved Carbonate (CO₃) (mg/l)
 Dissolved Chloride (Cl) (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'	500'	24.0	J-55	STC	8.33	8.33	12.0	10.24	8.22	20.33
Production 5-1/2"	0'	11,049'	17.0	N-80	LTC	8.3	8.5	--	3.73	2.95	2.23

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"	500'	Class G w/ 2% CaCl ₂ , 0.25 lbs/sk Cello Flake	237	15%	15.8	1.17
				203			
Production Lead	7-7/8"	4,260'	Premium Lite II w/ 3% KCl, 10% bentonite	849	15%	15.8	3.26
				260			
Production Tail	7-7/8"	1,604'	50/50 Poz/Class G w/ 3% KCl, 2% bentonite	320	15%	14.3	1.24
				258			

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 shall be notified, with sufficient lead time, in order to have a State 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.

The minimum diameter for conductor pipe shall be 13 3/8". The conductor pipe will be cemented back to surface or removed.

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

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

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

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager 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 representatives 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 500', an air system will be used. From 500' 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: TD - 3,200'

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.

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 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 10 days.
Completion Days:	Approximately 12 - 20 days.

b. Notification of Operations

The State of Utah DOGM will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form), 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 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. 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.

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.

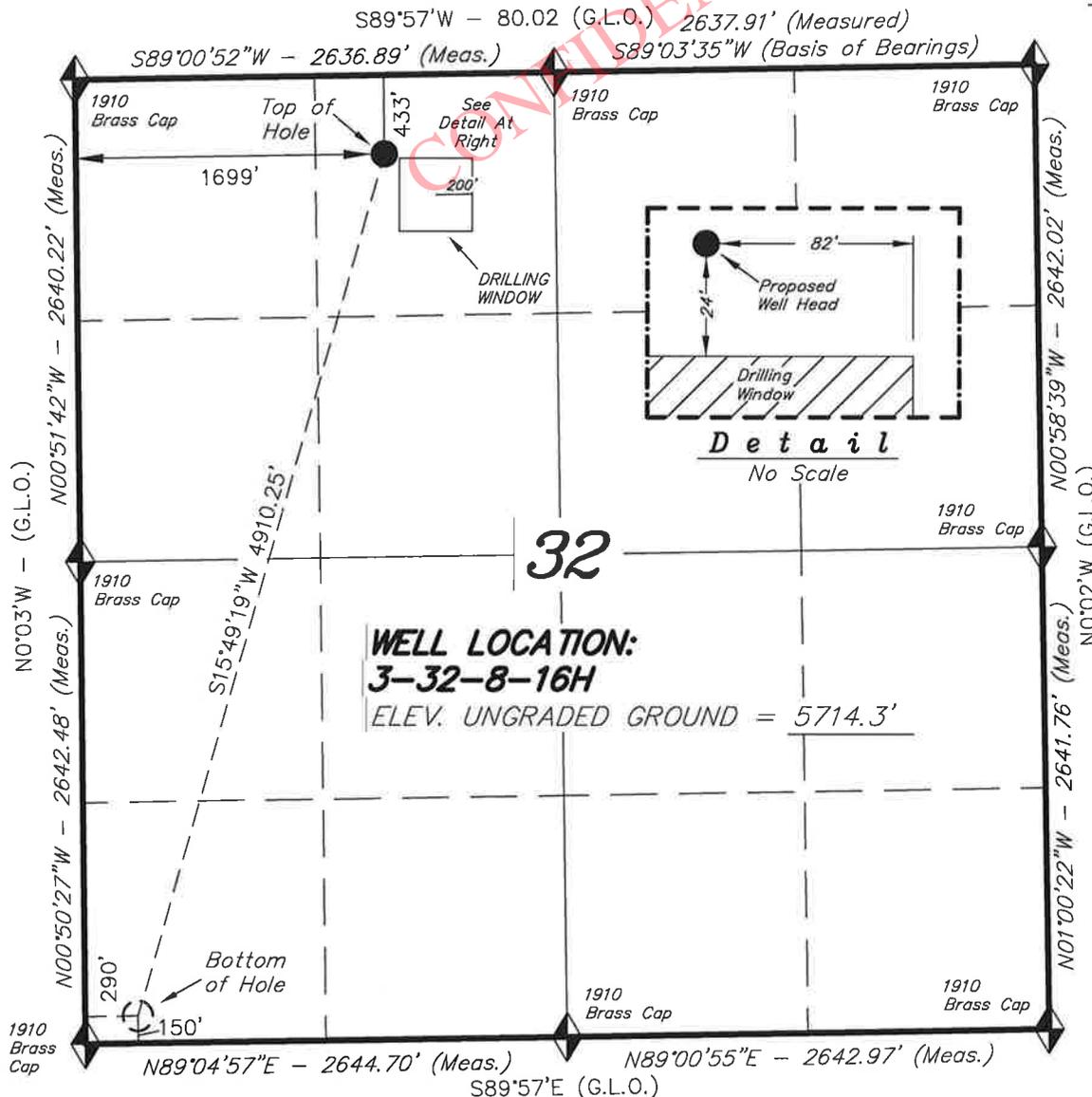
A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the State of Utah DOGM within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product 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, 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

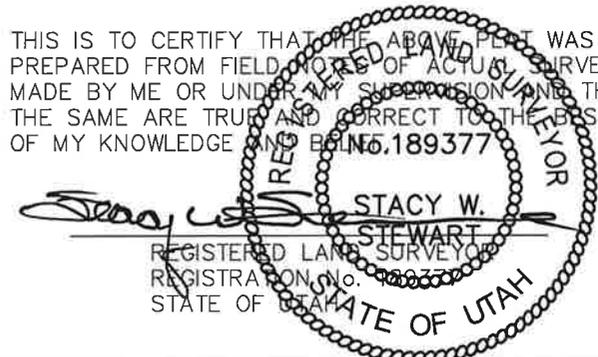


WELL LOCATION, 3-32-8-16H, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 32, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
3-32-8-16H
 ELEV. UNGRADED GROUND = 5714.3'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. 189377



◆ = SECTION CORNERS LOCATED

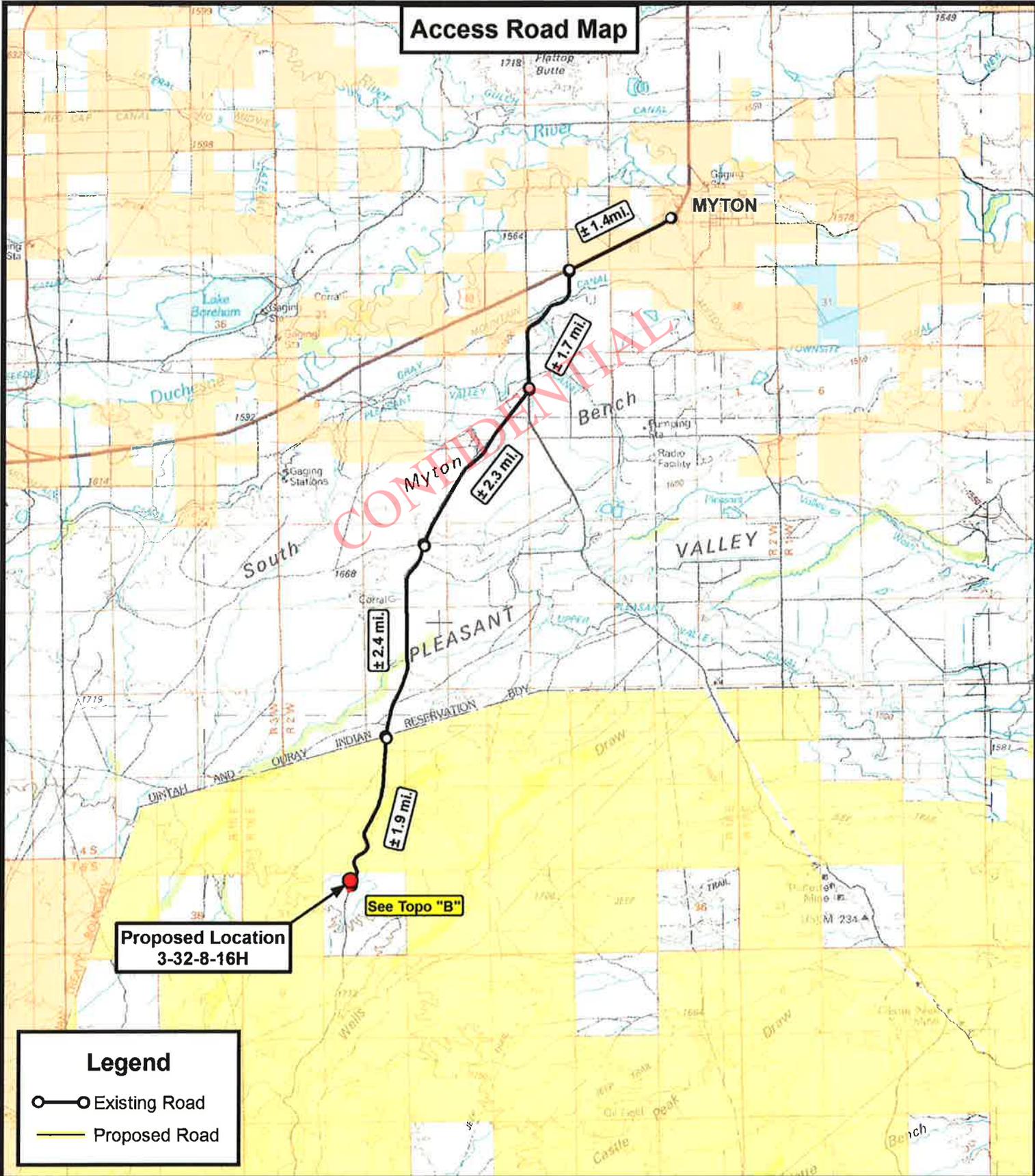
BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

3-32-8-16H
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 49.78"
 LONGITUDE = 110° 08' 47.97"

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

DATE SURVEYED: 07-15-10	SURVEYED BY: C.D.S.
DATE DRAWN: 07-26-10	DRAWN BY: F.T.M./M.W.
REVISED:	SCALE: 1" = 1000'

Access Road Map



**Proposed Location
3-32-8-16H**

Legend

- Existing Road
- Proposed Road

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

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



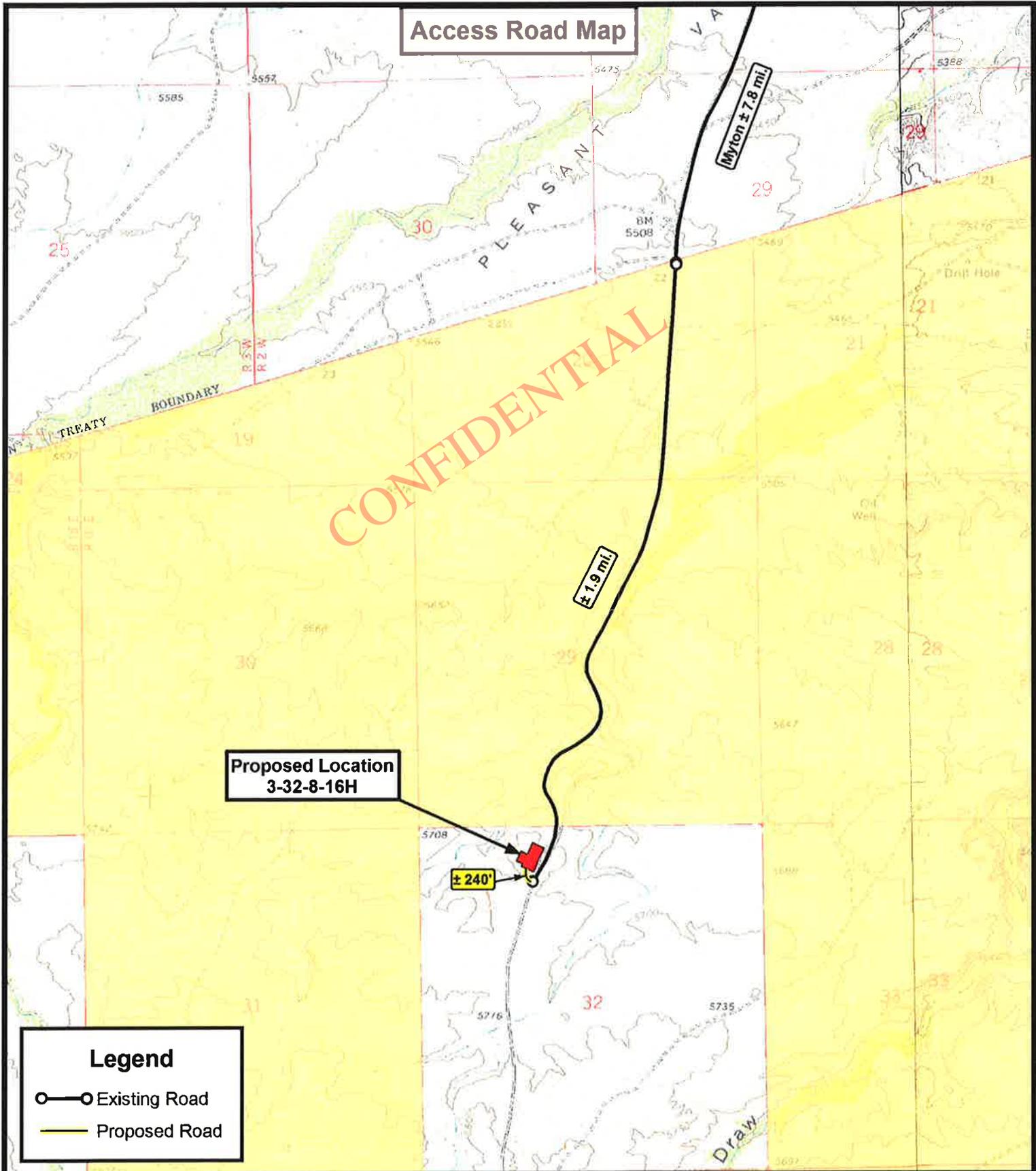
NEWFIELD EXPLORATION COMPANY

3-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-03-2010
SCALE:	1:100,000

TOPOGRAPHIC MAP

SHEET
A



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

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



NEWFIELD EXPLORATION COMPANY

3-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-03-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
B

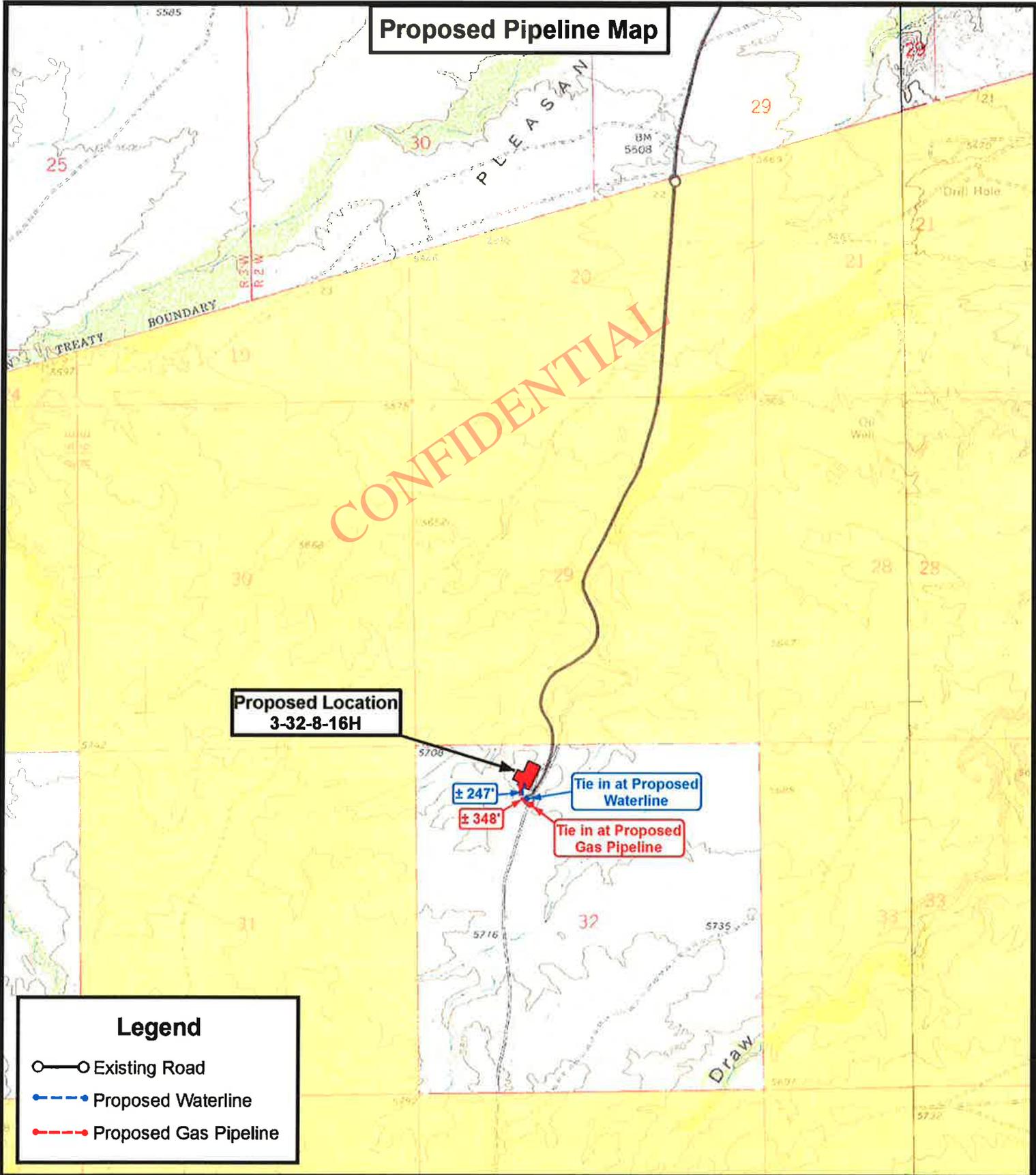
Proposed Pipeline Map

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Proposed Location
3-32-8-16H

Legend

- Existing Road
- Proposed Waterline
- Proposed Gas Pipeline



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3-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-03-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed Location
3-32-8-16H**

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Legend

-  1 Mile Radius
-  Proposed Location

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Land Surveying, Inc.
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 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

3-32-8-16H
SEC. 32, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	08-03-2010
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

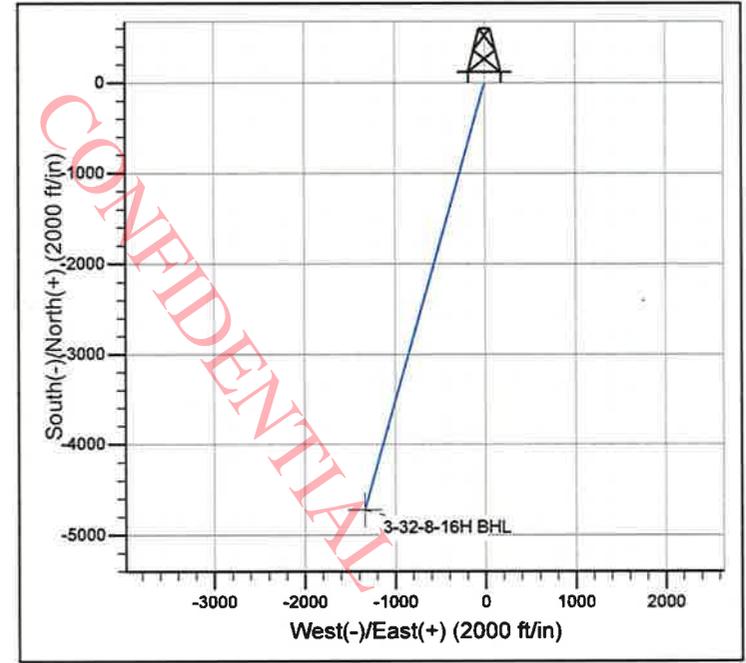
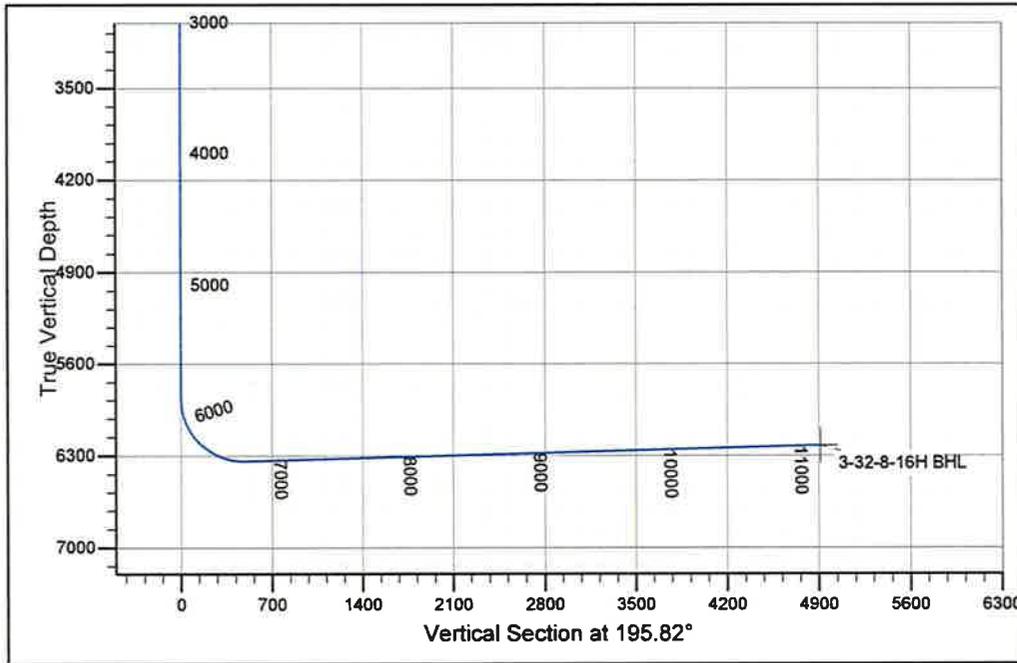
SHEET
D



Newfield Production Company

Project: Monument Butte
Site: GMB 3-32-8-16H
Well: GMB 3-32-8-16H
Wellbore: Wellbore #1
Design: Design #1

Azimuths to True North
 Magnetic North: 11.52°
 Magnetic Field
 Strength: 52451.5snT
 Dip Angle: 65.85°
 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	5864.4	0.00	0.00	5864.4	0.0	0.0	0.00	0.00	0.0	
3	6626.9	91.50	195.82	6341.7	-471.4	-133.6	12.00	195.82	490.0	
	411048.7	91.50	195.82	6226.0	-4724.2	-1338.8	0.00	0.00	4910.3	3-32-8-16H BHL

Created by: Hans Wychgram
Date: 09-15-10

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 3-32-8-16H

GMB 3-32-8-16H

Wellbore #1

Plan: Design #1

Standard Planning Report

15 September, 2010

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Newfield Exploration Planning Report

Database: EDM 2003.21 Single User Db	Local Co-ordinate Reference: Well GMB 3-32-8-16H	
Company: Newfield Production Company	TVD Reference: KB @ 5726.0ft (Capstar #329)	
Project: Monument Butte	MD Reference: KB @ 5726.0ft (Capstar #329)	
Site: GMB 3-32-8-16H	North Reference: True	
Well: GMB 3-32-8-16H	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 3-32-8-16H		
Site Position:		Northing: 2,194,841.41 m	Latitude: 40° 4' 49.780 N
From: Lat/Long		Easting: 615,416.22 m	Longitude: 110° 8' 47.970 W
Position Uncertainty: 0.0 ft		Slot Radius: in	Grid Convergence: 0.87 °

Well	GMB 3-32-8-16H		
Well Position	+N/-S 0.0 ft	Northing: 2,194,841.41 m	Latitude: 40° 4' 49.780 N
	+E/-W 0.0 ft	Easting: 615,416.22 m	Longitude: 110° 8' 47.970 W
Position Uncertainty 0.0 ft		Wellhead Elevation: ft	Ground Level: 5,714.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	11.52	65.85	52,452

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	195.82

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	
5,864.4	0.00	0.00	5,864.4	0.0	0.0	0.00	0.00	0.00	0.00	
6,626.9	91.50	195.82	6,341.7	-471.4	-133.6	12.00	12.00	0.00	195.82	
11,048.7	91.50	195.82	6,226.0	-4,724.2	-1,338.8	0.00	0.00	0.00	0.00	3-32-8-16H BHL

Newfield Exploration Planning Report

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: GMB 3-32-8-16H
Well: GMB 3-32-8-16H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well GMB 3-32-8-16H
TVD Reference: KB @ 5726.0ft (Capstar #329)
MD Reference: KB @ 5726.0ft (Capstar #329)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	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

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GMB 3-32-8-16H
Company:	Newfield Production Company	TVD Reference:	KB @ 5726.0ft (Capstar #329)
Project:	Monument Butte	MD Reference:	KB @ 5726.0ft (Capstar #329)
Site:	GMB 3-32-8-16H	North Reference:	True
Well:	GMB 3-32-8-16H	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
5,864.4	0.00	0.00	5,864.4	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	4.27	195.82	5,900.0	-1.3	-0.4	1.3	12.00	12.00	0.00
6,000.0	16.27	195.82	5,998.2	-18.4	-5.2	19.1	12.00	12.00	0.00
6,100.0	28.27	195.82	6,090.6	-54.8	-15.5	56.9	12.00	12.00	0.00
6,200.0	40.27	195.82	6,173.1	-108.8	-30.8	113.1	12.00	12.00	0.00
6,300.0	52.27	195.82	6,242.1	-178.2	-50.5	185.3	12.00	12.00	0.00
6,400.0	64.27	195.82	6,294.6	-259.9	-73.7	270.2	12.00	12.00	0.00
6,500.0	76.27	195.82	6,328.3	-350.3	-99.3	364.1	12.00	12.00	0.00
6,600.0	88.27	195.82	6,341.7	-445.5	-126.2	463.0	12.00	12.00	0.00
6,626.9	91.50	195.82	6,341.7	-471.4	-133.6	490.0	12.00	12.00	0.00
6,700.0	91.50	195.82	6,339.8	-541.7	-153.5	563.0	0.00	0.00	0.00
6,800.0	91.50	195.82	6,337.2	-637.8	-180.8	663.0	0.00	0.00	0.00
6,900.0	91.50	195.82	6,334.6	-734.0	-208.0	762.9	0.00	0.00	0.00
7,000.0	91.50	195.82	6,332.0	-830.2	-235.3	862.9	0.00	0.00	0.00
7,100.0	91.50	195.82	6,329.4	-926.4	-262.5	962.9	0.00	0.00	0.00
7,200.0	91.50	195.82	6,326.7	-1,022.6	-289.8	1,062.8	0.00	0.00	0.00
7,300.0	91.50	195.82	6,324.1	-1,118.7	-317.0	1,162.8	0.00	0.00	0.00
7,400.0	91.50	195.82	6,321.5	-1,214.9	-344.3	1,262.8	0.00	0.00	0.00
7,500.0	91.50	195.82	6,318.9	-1,311.1	-371.5	1,362.7	0.00	0.00	0.00
7,600.0	91.50	195.82	6,316.3	-1,407.3	-398.8	1,462.7	0.00	0.00	0.00
7,700.0	91.50	195.82	6,313.7	-1,503.4	-426.1	1,562.6	0.00	0.00	0.00
7,800.0	91.50	195.82	6,311.0	-1,599.6	-453.3	1,662.6	0.00	0.00	0.00
7,900.0	91.50	195.82	6,308.4	-1,695.8	-480.6	1,762.6	0.00	0.00	0.00
8,000.0	91.50	195.82	6,305.8	-1,792.0	-507.8	1,862.5	0.00	0.00	0.00
8,100.0	91.50	195.82	6,303.2	-1,888.2	-535.1	1,962.5	0.00	0.00	0.00
8,200.0	91.50	195.82	6,300.6	-1,984.3	-562.3	2,062.5	0.00	0.00	0.00
8,300.0	91.50	195.82	6,298.0	-2,080.5	-589.6	2,162.4	0.00	0.00	0.00
8,400.0	91.50	195.82	6,295.3	-2,176.7	-616.8	2,262.4	0.00	0.00	0.00
8,500.0	91.50	195.82	6,292.7	-2,272.9	-644.1	2,362.4	0.00	0.00	0.00
8,600.0	91.50	195.82	6,290.1	-2,369.1	-671.4	2,462.3	0.00	0.00	0.00
8,700.0	91.50	195.82	6,287.5	-2,465.2	-698.6	2,562.3	0.00	0.00	0.00
8,800.0	91.50	195.82	6,284.9	-2,561.4	-725.9	2,662.3	0.00	0.00	0.00
8,900.0	91.50	195.82	6,282.2	-2,657.6	-753.1	2,762.2	0.00	0.00	0.00
9,000.0	91.50	195.82	6,279.6	-2,753.8	-780.4	2,862.2	0.00	0.00	0.00
9,100.0	91.50	195.82	6,277.0	-2,849.9	-807.6	2,962.2	0.00	0.00	0.00
9,200.0	91.50	195.82	6,274.4	-2,946.1	-834.9	3,062.1	0.00	0.00	0.00
9,300.0	91.50	195.82	6,271.8	-3,042.3	-862.1	3,162.1	0.00	0.00	0.00
9,400.0	91.50	195.82	6,269.2	-3,138.5	-889.4	3,262.1	0.00	0.00	0.00
9,500.0	91.50	195.82	6,266.5	-3,234.7	-916.7	3,362.0	0.00	0.00	0.00
9,600.0	91.50	195.82	6,263.9	-3,330.8	-943.9	3,462.0	0.00	0.00	0.00
9,700.0	91.50	195.82	6,261.3	-3,427.0	-971.2	3,562.0	0.00	0.00	0.00
9,800.0	91.50	195.82	6,258.7	-3,523.2	-998.4	3,661.9	0.00	0.00	0.00
9,900.0	91.50	195.82	6,256.1	-3,619.4	-1,025.7	3,761.9	0.00	0.00	0.00
10,000.0	91.50	195.82	6,253.5	-3,715.5	-1,052.9	3,861.9	0.00	0.00	0.00
10,100.0	91.50	195.82	6,250.8	-3,811.7	-1,080.2	3,961.8	0.00	0.00	0.00
10,200.0	91.50	195.82	6,248.2	-3,907.9	-1,107.4	4,061.8	0.00	0.00	0.00
10,300.0	91.50	195.82	6,245.6	-4,004.1	-1,134.7	4,161.8	0.00	0.00	0.00
10,400.0	91.50	195.82	6,243.0	-4,100.3	-1,162.0	4,261.7	0.00	0.00	0.00
10,500.0	91.50	195.82	6,240.4	-4,196.4	-1,189.2	4,361.7	0.00	0.00	0.00

Newfield Exploration Planning Report

Database: EDM 2003.21 Single User Db
Company: Newfield Production Company
Project: Monument Butte
Site: GMB 3-32-8-16H
Well: GMB 3-32-8-16H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well GMB 3-32-8-16H
TVD Reference: KB @ 5726.0ft (Capstar #329)
MD Reference: KB @ 5726.0ft (Capstar #329)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,600.0	91.50	195.82	6,237.7	-4,292.6	-1,216.5	4,461.7	0.00	0.00	0.00
10,700.0	91.50	195.82	6,235.1	-4,388.8	-1,243.7	4,561.6	0.00	0.00	0.00
10,800.0	91.50	195.82	6,232.5	-4,485.0	-1,271.0	4,661.6	0.00	0.00	0.00
10,900.0	91.50	195.82	6,229.9	-4,581.2	-1,298.2	4,761.6	0.00	0.00	0.00
11,000.0	91.50	195.82	6,227.3	-4,677.3	-1,325.5	4,861.5	0.00	0.00	0.00
11,048.7	91.50	195.82	6,226.0	-4,724.2	-1,338.8	4,910.2	0.00	0.00	0.00

3-32-8-16H BHL

CONFIDENTIAL

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 3-32-8-16H
AT SURFACE: NE/NW SECTION 32, 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 3-32-8-16H located in the NE¼ NW¼ Section 32, T8S, R16E, S.E.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 southwesterly – 8.3 miles to it's junction with the beginning of the proposed access road to the northwest; proceed northwesterly along the proposed access road – 240' ± 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 240' 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 240' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 348' of surface gas line to be granted. Newfield Production Company requests 247' 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 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' 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 #01-10, 2/28/01. 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 3-32-8-16H, 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 3-32-8-16H 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

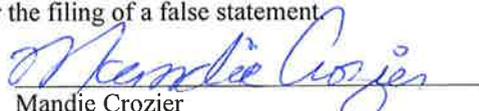
Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-32-8-16H, NE/NW Section 32, 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 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.

9/30/10
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

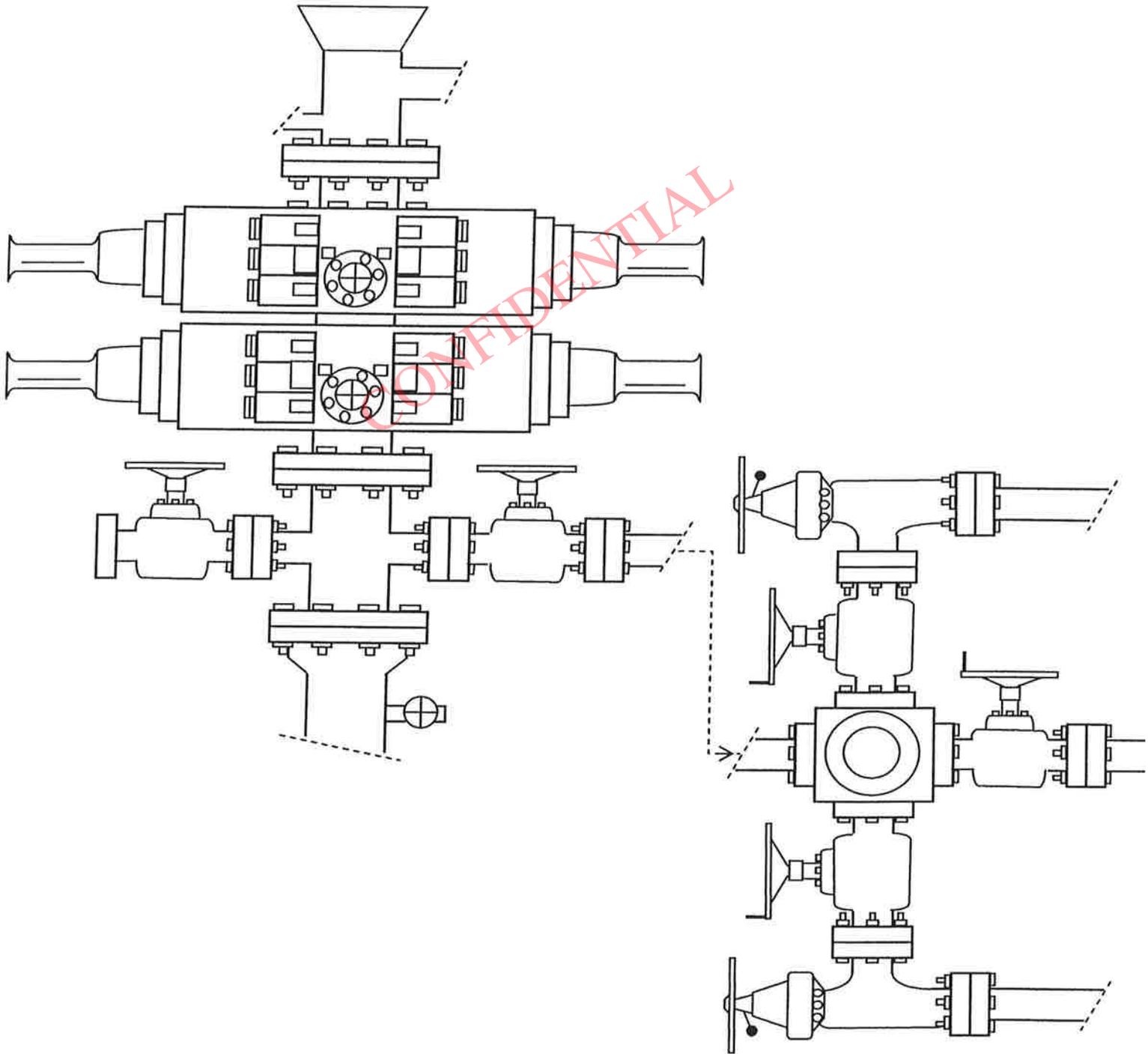
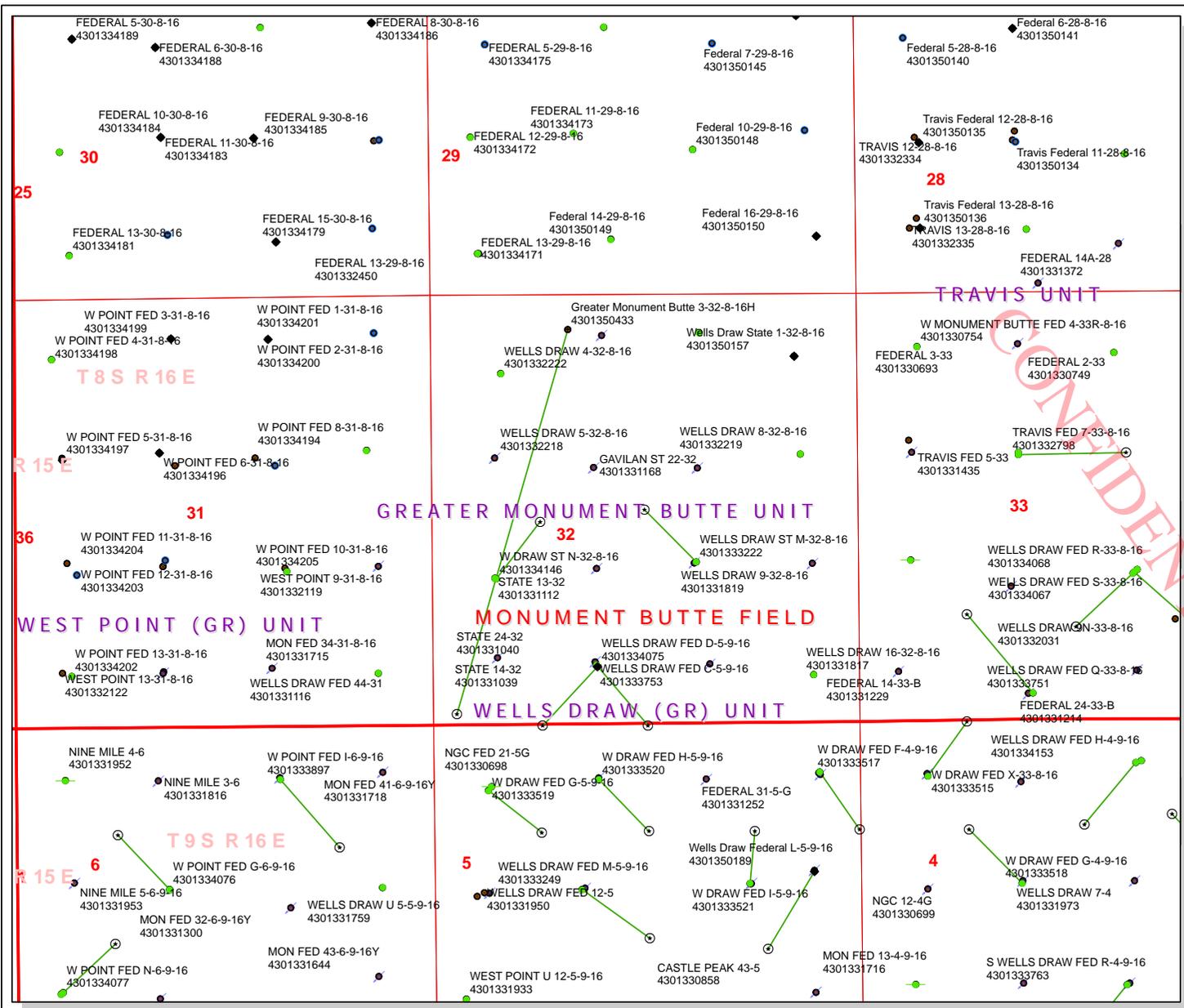
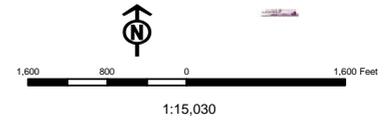


EXHIBIT C

API Number: 4301350433
Well Name: Greater Monument Butte 3-32-8-16H
Township 08.0 S Range 16.0 E Section 32
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

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



CONFIDENTIAL

From: Jim Davis
To: Bonner, Ed; Mason, Diana
CC: Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield.com
Date: 10/20/2010 12:33 PM
Subject: Newfield APD approvals (2)

The following wells have been approved including arch and paleo clearance.

Greater Monument Butte 3-32-8-16H (4301350433)

Greater Monument Butte 15-2-9-16H (4301350432)

-Jim

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

CONFIDENTIAL

Well Name	NEWFIELD PRODUCTION COMPANY Greater Monument Butte 3-32-8-16H			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	500	6226		
Previous Shoe Setting Depth (TVD)	0	500		
Max Mud Weight (ppg)	8.3	9.0		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	2696	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	216	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	156	YES <input type="checkbox"/> air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	106	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)=	106	NO <input type="checkbox"/> Reasonable depth in area
Required Casing/BOPE Test Pressure=		500	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=	2914	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2167	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1544	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)=	1654	NO <input type="checkbox"/> Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		500	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

Well name:	43013504330000 Greater Monument Butte 3-32-8-16H		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-013-50433
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: 81 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 176 ft

Burst

Max anticipated surface pressure: 440 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 500 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: 437 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,226 ft
 Next mud weight: 9.000 ppg
 Next setting BHP: 2,911 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 500 ft
 Injection pressure: 500 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	500	8.625	24.00	J-55	ST&C	500	500	7.972	2573
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	216	1370	6.333	500	2950	5.90	12	244	20.34 J

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

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

Date: November 30, 2010
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 500 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:	43013504330000 Greater Monument Butte 3-32-8-16H		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-50433
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 9.000 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: 156 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 1,361 ft

Burst

Max anticipated surface pressure: 1,452 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,742 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)

Non-directional string.

Tension is based on air weight.
 Neutral point: 5,064 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	5864	5.5	17.00	N-80	LT&C	5864	5864	4.767	33052
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	2742	6290	2.294	2742	7740	2.82	99.7	348	3.49 J

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

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

Date: November 30, 2010
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5864 ft, a mud weight of 9 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.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Greater Monument Butte 3-32-8-16H
API Number 43013504330000 **APD No** 3038 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 32 **Tw** 8.0S **Rng** 16.0E 433 **FNL** 1699 **FWL**
GPS Coord (UTM) 572828 4436836 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Joe Pippy (Newfield Production Company), Jim Davis and Lavonne Garrison (SITLA).

Regional/Local Setting & Topography

The general location is approximately 9.7 road miles southwest of Myton, UT in the middle portion of the Wells Draw Drainage. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Wells Draw drains into Pleasant Valley Wash that drains into the Pariette Draw drainage of Duchesne County. The lower reaches of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 240 feet of the site. From this point additional construction will be required.

The proposed Wells Draw 3-32-8-16 horizontal oil well location is on a small flat-topped ridge bordered on the east by an existing road and on the west by a shallow drainage. This drainage deepens as it continues north then to the east. The location is outside the normal drilling window to miss the road to the east. No drainages intersect the site and no diversions are needed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Wildlife Habitat

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

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetated with a desert shrub type consisting of blue gramma grass, Indian rice grass, halogeton, shadscale, greasewood, broom snakeweed, Gardner saltbrush, needle and thread grass, rabbitbrush, prickly pear, globe mallow, winter fat, curly mesquite grass and spring annuals.

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

Soil Type and Characteristics

Moderately deep gravely sandy loam with some brown surface rock

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson 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 pit liner is required. Newfield commonly uses a 16-mil liner.

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

Other Observations / Comments

Floyd Bartlett
Evaluator

10/13/2010
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
3038	43013504330000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Greater Monument Butte 3-32-8-16H		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NENW 32 8S 16E S 433 FNL 1699 FWL GPS Coord (UTM) 572822E 4436841N				

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 500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. 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 high volume source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill
APD Evaluator

10/28/2010
Date / Time

Surface Statement of Basis

The general location is approximately 9.7 road miles southwest of Myton, UT in the middle portion of the Wells Draw Drainage. Broad flats with rolling hills characterize the area. Flats are often intersected by drainages with gentle to moderate side slopes. Flats at lower elevations to the northeast are frequently used for agriculture. No seeps, springs or streams are known to exist in the immediate area. An occasional pond for livestock watering occurs. Wells Draw drains into Pleasant Valley Wash that drains into the Pariette Draw drainage of Duchesne County. The lower reaches of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 18 miles down drainage from the area. Access is by State and County and existing or proposed oilfield development roads to within 240 feet of the site. From this point additional construction will be required.

The proposed Wells Draw 3-32-8-16 horizontal oil well location is on a small flat-topped ridge bordered on the east by an existing road and on the west by a shallow drainage. This drainage deepens as it continues north then to the east. The location is outside the normal drilling window to miss the road to the east. No drainages intersect the site and no diversions are needed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA. Jim Davis of SITLA attended the site visit and had no concerns.

Ben Williams of the Utah Division of Wildlife Resources was invited to the evaluation but did not attend

Floyd Bartlett
Onsite Evaluator

10/13/2010
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.

**Application for Permit to Drill
Statement of Basis**

12/6/2010

Utah Division of Oil, Gas and Mining

Page 2

Surface

The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/30/2010

API NO. ASSIGNED: 43013504330000

WELL NAME: Greater Monument Butte 3-32-8-16H

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NENW 32 080S 160E

Permit Tech Review:

SURFACE: 0433 FNL 1699 FWL

Engineering Review:

BOTTOM: 0150 FSL 0290 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.08059

LONGITUDE: -110.14590

UTM SURF EASTINGS: 572822.00

NORTHINGS: 4436841.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21836

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

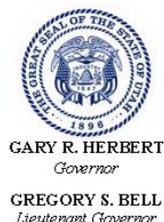
Commingle Approved

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 - bhll
15 - Directional - bhll
25 - Surface Casing - hmadonald
27 - Other - bhll



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Greater Monument Butte 3-32-8-16H
API Well Number: 43013504330000
Lease Number: ML-21836
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.

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

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 3-32-8-16H
Qtr/Qtr NE/NW Section 32 Township 8S Range 16E
Lease Serial Number ML-21836
API Number 43-013-50433

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

Date/Time 1/6/2011 8:00 AM PM

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

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

Date/Time 1/6/2011 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
 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				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	4301350138	FEDERAL 2-28-8-16	NWNE	28	8S	16E	DUCHESNE	1/7/2011	1/13/2011
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	17400	4301350433	Greater Mon Butte STATE 3-32-8-16H	NENW	32	8S	16E	DUCHESNE	1/6/2011	1/13/2011
WELL 1 COMMENTS: <i>GRRV</i> <i>BHL-SWSW</i>											
B	99999	17400	4301350141	FEDERAL 6-28-8-16	SENW	28	8S	16E	DUCHESNE	1/6/2011	1/13/2011
WELL 1 COMMENTS: <i>GRRV</i>											

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ACTION CODES (See Instructions on back of form)
 A - 1 new entity for new well (single well only)
 B - 1 well to existing entity (group or unit well)
 C - from one existing entity to another existing entity
 D - well from one existing entity to a new entity
 E - other (explain in comments section)

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 JAN 11 2011

[Signature]
 Signature Jentri Park
 Production Clerk 01/11/11

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

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21836
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 3-32-8-16H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013504330000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0433 FNL 1699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 32 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: 1/26/2011 <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 type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Newfield requests to change the production casing design for the above mentioned well. 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: 02/03/2011

By: *Derek Duff*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 1/26/2011

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-21836

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

8. WELL NAME and NUMBER:
GRTR MON BUTTE 3-32-8-16H

9. API NUMBER:
4301350433

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

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 32, 8, 16, 8, T1S, R32E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/10/2011	<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 1/6/11 MIRU Ross #29. Spud well @8:00 AM. Drill 540' of 12 1/4" hole with air mist. At @ 2:00 PM TIH W/ 13 Jt's 8 5/8" J-55 24# csgn. Set @ 530.28'. On 1/10/11 cement with 240 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels of cement to pit. WOC.

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JAN 25 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Adam Ferrari TITLE Production Engineer
SIGNATURE *Adam Ferrari* DATE 01/22/2011

(This space for State use only)

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-21836

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 3-32-8-16H

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301350433

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: 0433 FWL 1699 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 32, T8S, R16E

STATE: UT

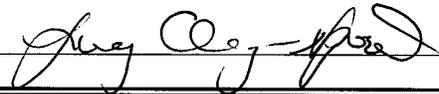
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/18/2011	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 03-18-11, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 03/24/2011

(This space for State use only)

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APR 07 2011

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

MONUMENT BUTTE 3-32-8-16H

1/1/2011 To 5/30/2011

2/12/2011 Day: 1**Completion**

Nabors #147 on 2/12/2011 - MIRU Nabors #147. NU BOP. RU wireline. Set HE plug & dump bail sand on plug. - MIRU Nabors #147. NU BOP. RU The Perforators wireline. Set HE plug @ 5750'. Dump bail one sack of sand on plug. RD wireline. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$14,580

2/14/2011 Day: 2**Completion**

Nabors #147 on 2/14/2011 - Pump cement. ND BOP. NU B1 adapter flange. Leave tbg. hanging. RD. - RIH w/ port collar shifting tool & 2 7/8" tbg. from trailer (tallying & drifting). RU BJ Services. Put 200 psi on tbg. Open port collar. Pump cement. Returned approx. 25 bbls cement to pit through surface csg. Shut port collar. RIH w/ tbg. to 5675'. Reverse circulate tbg. clean. Pressure test csg. & port collar to 3000 psi for 30 min. Good test. LD 8 jts 2 7/8". EOT @ 5455'. ND BOP. NU B1 adapter flange. SWIFN. RD.

Daily Cost: \$0**Cumulative Cost:** \$36,760

3/1/2011 Day: 3**Completion**

WWS #5 on 3/1/2011 - POOH w/ tbg. NU frac sleeve & frac valve. Pressure test to 6200 psi. - MIRU WWS #5. ND wellhead. NU Schaeffer BOP. RIH w/ tbg. Tag sand @ 5746'. LD 2 jts 2 7/8" tbg. POOH w/ tbg. LD port collar shifting tool. ND Schaeffer BOP. NU Cameron frac sleeve & Weatherford 10k, 7 1/16" frac valve. RU Heat Waves pressure truck. Pressure test csg., frac sleeve & valve to 6200 psi for 15 min. w/ no bleed off. RD Heat Waves. NU Schaeffer BOP & workfloor. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$55,795

3/2/2011 Day: 4**Completion**

Rigless on 3/2/2011 - Retrieve RBP. LD N-80 tbg. - Open well. MU Weatherford RH. TIH w/ tbg. Circulate 5' sand off RBP. Latch onto & release RBP. TOOH laying down N-80 tbg. Get out of hole w/ 182 jts tbg. LD RH & RBP. RD workfloor. ND BOP. RDMOSU WWS #5. SWIFN

Daily Cost: \$0**Cumulative Cost:** \$61,003

3/8/2011 Day: 5**Completion**

Rigless on 3/8/2011 - RU frac tree & flowback equipment. Pressure test frac tree & flowback equipment. - RU Weatherford frac tree & flowback equipment. RU Weatherford pressure testing unit. Pressure test frac tree & flowback lines. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$66,461

3/9/2011 Day: 6**Completion**

Rigless on 3/9/2011 - Replace valve in frac tree. - HCR valve in frac tree would not work. MIRU crane. ND frac tree. ND HCR valve. NU 7 1/6" 10K valve. NU frac tree. Pressure test frac tree & flowback lines. RD crane. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$68,856

3/10/2011 Day: 7**Completion**

Rigless on 3/10/2011 - Frac 5 of 12 stages. - Frac 5 of 12 stages. Stimulation reports to follow when BJ Services provides stimulation reports.

Daily Cost: \$0**Cumulative Cost:** \$69,156

3/14/2011 Day: 8**Completion**

Rigless on 3/14/2011 - Frac remaining stages. - Frac remaining stages. RD BJ Services. Stimulation report will follow when BJ provides frac reports. Open well to pit for immediate flowback.

Daily Cost: \$0**Cumulative Cost:** \$75,556

3/16/2011 Day: 10**Completion**

WWS #1 on 3/16/2011 - MIRU WWS #1. RIH w/ on/off tool to 940'. Circulate well clean. SWIFN. - ND Frac tree. RU The Perforators wireline. Set WRP @ 1010'. Bleed off well. Negative test plug for 15 min. ND master valve & Cameron frac sleeve. SWIFN. - MIRU WWS #1. NU Weatherford BOP. RIH w/ on/off tool & new 2 7/8" tbg. to 940'. Circulate well clean. SWIFN. - ND Frac tree. RU The Perforators wireline. Set WRP @ 1010'. Bleed off well. Negative test plug for 15 min. ND master valve & Cameron frac sleeve. SWIFN. - MIRU WWS #1. NU Weatherford BOP. RIH w/ on/off tool & new 2 7/8" tbg. to 940'. Circulate well clean. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$483,663

3/17/2011 Day: 11**Completion**

WWS #1 on 3/17/2011 - Release plug. RIH w/ tbg. Circulate well clean. POOH w/ tbg. LD plug. RIH w/ production string. ND BOP. SWIFN. - RIH w/ tbg. to 1005'. RU hotoiler. Circulate well w/ 10# brine. RIH w/ tbg. Release WRP. 500 psi on well under plug. Attempt to bleed off well. Well continued to flow. RIH w/ tbg. to 3158'. Circulate well w/ 10# brine. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6121' w/ 18,000# tension. NU wellhead. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$540,193

3/18/2011 Day: 12**Completion**

WWS #1 on 3/18/2011 - Run Co-rod. Seat pump. Stroke test to 800 psi. Good pump action.

PWOP @ 7:30 p.m. 168" stroke length, 5 spm. - RU hotoiler to tbg. Flush tbg. w/ 50 bbis water. RU Weatherford Co-rod. RIH w/ Weatherford 2 1/2" x 1 3/4" x 20' x 24' RTBC MacGyver pump, 7/8" stabalizer sub, LH on/off tool, 7/8" stabalizer sub, Weatherford SE 4 corod, 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 30' polished rod. Seat pump. Fill tbg. w/ 7 bbis water. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. PWOP @ 7:30 p.m. 168" stroke length, 5 spm. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$688,390

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

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

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface 433' FNL & 1699' FWL (NE/NW) SEC. 32, T8S, R16E (ML-21836) *BHL reviewed by HSM*

At top prod. interval reported below 1244' FNL & 1962' FWL (SE/NW) SEC. 32, T8S, R16E (ML-21836)

At total depth 236' FSL & 348' FWL (SW/SW) SEC. 32, T8S, R16E (ML-21836)

14. Date Spudded 01/06/2011 15. Date T.D. Reached 02/10/2011 16. Date Completed 03/17/2011
 D & A Ready to Prod.

18. Total Depth: MD 10830' TVD 6211' 19. Plug Back T.D.: MD 10754' TVD 6212' 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	533'		240 CLASS G			
7-7/8"	5-1/2" M-80	17#	0	6583'		305 PRIMLITE		350'	
6-1/8"	4-1/2" P-110	11.6#	6583'	10757'		300 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@ 6288'	TA @ 6122'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	6853'	10622'	6853-10622'	16.9 sq. in.	12	Sliding Sleeve
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
6853-10622'	Frac w/ 761011#s 100 mesh & 30/50 sand in 28395 bbls of fluid in 12 stages

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/18/11	04/04/11	24	→	116	163	77			Weatherford 2-1/2" x 1-3/4" x 20' x 24' RTBC MacGyver Pump, 7/8" stabilizer sub, LH 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	
			→					PRODUCING	

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

5. Lease Serial No.
ML-21836

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
GMBU

8. Lease Name and Well No.
GMB 3-32-8-16H

9. AFI Well No.
43-013-50433

10. Field and Pool or Exploratory
GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area
SEC. 32, T8S, R16E

12. County or Parish
DUCHESNE

13. State
UT

17. Elevations (DF, RKB, RT, GL)*
5714' GL 5726' KB

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JUN 13 2011

DEPT. OF OIL, GAS & MINING

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	6853'	10622'		GARDEN GULCH MRK	3928'
				GARDEN GULCH 1	4146'
				GARDEN GULCH 2	4261'
				POINT 3	4525'
				X MRKR	4789'
				Y MRKR	4824'
				DOUGALS CREEK MRK	4938'
				BI CARBONATE MRK	5173'
				B LIMESTON MRK	5284'
				CASTLE PEAK	5862'
				BASAL CARBONATE	6389'

32. Additional remarks (include plugging procedure):

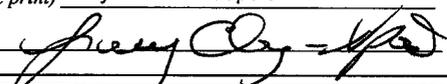
33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature 

Date 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.

(Continued on page 3)

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JUN 13 2011

(Form 3160-4, page 2)

DIV. OF OIL, GAS & MINING



Weatherford®

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

Date: February 7, 2011

Attention: Lucy Chavez-Naupoto

Re: Newfield Exploration
GMB_3-32-8-16H
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 557' to 10770' 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

Validity 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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JUN 13 2011



Weatherford International Ltd.
Survey Report



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-32-8-16H
Well: GMB 3-32-8-16H
Wellbore: GMB 3-32-8-16H
Design: GMB 3-32-8-16H

Local Co-ordinate Reference: Well GMB 3-32-8-16H
TVD Reference: WELL @ 5726.90ft (CAPSTAR 329)
MD Reference: WELL @ 5726.90ft (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 3-32-8-16H				
Site Position:		Northing:	7,200,908.85 ft	Latitude:	40° 4' 49.780 N
From:	Lat/Long	Easting:	2,019,078.06 ft	Longitude:	110° 8' 47.970 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.87 °

Well	GMB 3-32-8-16H					
Well Position	+N/-S	0.00 ft	Northing:	7,200,908.85 ft	Latitude:	40° 4' 49.780 N
	+E/-W	0.00 ft	Easting:	2,019,078.06 ft	Longitude:	110° 8' 47.970 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,714.30 ft	

Wellbore	GMB 3-32-8-16H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	1/14/2011	11.44	65.84	52,293

Design	GMB 3-32-8-16H				
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	195.64	

Survey Program	Date 2/7/2011				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
557.00	10,830.00	Survey #1 (GMB 3-32-8-16H)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557.00	0.22	170.29	557.00	-1.05	0.18	0.97	0.04	0.04	0.00
588.00	0.22	173.01	588.00	-1.17	0.20	1.08	0.03	0.00	8.77
618.00	0.26	144.67	618.00	-1.28	0.24	1.17	0.41	0.13	-94.47
648.00	0.22	138.56	648.00	-1.38	0.32	1.25	0.16	-0.13	-20.37
679.00	0.26	114.25	679.00	-1.46	0.43	1.29	0.35	0.13	-78.42
709.00	0.35	129.68	709.00	-1.54	0.56	1.34	0.40	0.30	51.43
740.00	0.44	147.92	740.00	-1.70	0.69	1.45	0.50	0.29	58.84
770.00	0.53	148.58	770.00	-1.92	0.83	1.63	0.30	0.30	2.20
816.00	0.53	147.39	815.99	-2.28	1.05	1.91	0.02	0.00	-2.59
861.00	0.66	165.94	860.99	-2.71	1.23	2.28	0.51	0.29	41.22
906.00	0.56	141.23	905.99	-3.13	1.43	2.63	0.62	-0.22	-54.91
952.00	0.66	152.53	951.99	-3.54	1.69	2.95	0.34	0.22	4.57

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Survey Report



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

Survey

Table with 11 columns: 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). Rows contain depth measurements from 997.00 to 3535.00 ft.

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Weatherford OIL & GAS & MINING



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-32-8-16H
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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,580.00	0.56	254.18	3,579.76	-22.98	-2.17	22.71	0.43	0.36	-29.29
3,626.00	0.50	248.38	3,625.76	-23.11	-2.58	22.95	0.17	-0.13	-12.61
3,716.00	0.79	232.95	3,715.76	-23.63	-3.44	23.68	0.37	0.32	-17.14
3,762.00	0.83	239.59	3,761.75	-23.99	-3.98	24.17	0.22	0.09	14.43
3,807.00	0.87	230.66	3,806.75	-24.37	-4.52	24.69	0.31	0.09	-19.84
3,852.00	0.97	224.56	3,851.74	-24.86	-5.05	25.30	0.31	0.22	-13.56
3,898.00	1.10	229.70	3,897.73	-25.42	-5.66	26.01	0.35	0.28	11.17
3,943.00	1.28	222.73	3,942.72	-26.07	-6.33	26.81	0.51	0.40	-15.49
3,988.00	1.23	222.67	3,987.71	-26.80	-7.00	27.69	0.11	-0.11	-0.13
4,034.00	1.36	223.90	4,033.70	-27.55	-7.72	28.61	0.29	0.28	2.67
4,079.00	1.27	221.22	4,078.69	-28.31	-8.41	29.53	0.24	-0.20	-5.96
4,124.00	1.19	218.45	4,123.68	-29.05	-9.03	30.41	0.22	-0.18	-6.16
4,170.00	1.18	214.66	4,169.67	-29.82	-9.60	31.30	0.17	-0.02	-8.24
4,215.00	1.27	212.91	4,214.66	-30.62	-10.13	32.22	0.22	0.20	-3.89
4,260.00	1.36	213.53	4,259.65	-31.48	-10.70	33.20	0.20	0.20	1.38
4,306.00	1.23	206.85	4,305.64	-32.38	-11.22	34.20	0.43	-0.28	-14.52
4,351.00	0.92	193.05	4,350.63	-33.16	-11.52	35.04	0.89	-0.69	-30.67
4,396.00	0.97	203.99	4,395.62	-33.86	-11.76	35.78	0.42	0.11	24.31
4,442.00	1.27	201.53	4,441.61	-34.69	-12.11	36.67	0.66	0.65	-5.35
4,487.00	1.32	204.70	4,486.60	-35.62	-12.51	37.68	0.19	0.11	7.04
4,532.00	1.32	199.64	4,531.59	-36.58	-12.90	38.71	0.26	0.00	-11.24
4,578.00	1.32	198.28	4,577.58	-37.58	-13.24	39.76	0.07	0.00	-2.96
4,623.00	1.41	197.58	4,622.56	-38.60	-13.57	40.83	0.20	0.20	-1.56
4,668.00	1.19	201.66	4,667.55	-39.57	-13.91	41.85	0.53	-0.49	9.07
4,713.00	1.19	200.17	4,712.54	-40.44	-14.24	42.78	0.07	0.00	-3.31
4,759.00	0.26	179.30	4,758.54	-40.99	-14.41	43.36	2.07	-2.02	-45.37
4,804.00	0.54	186.55	4,803.54	-41.31	-14.43	43.67	0.63	0.62	16.11
4,850.00	0.62	194.90	4,849.54	-41.76	-14.52	44.13	0.25	0.17	18.15
4,895.00	0.83	190.06	4,894.53	-42.32	-14.64	44.70	0.49	0.47	-10.76
4,940.00	1.10	186.59	4,939.53	-43.07	-14.75	45.45	0.61	0.60	-7.71
4,986.00	1.10	189.31	4,985.52	-43.94	-14.87	46.32	0.11	0.00	5.91
5,031.00	1.19	191.16	5,030.51	-44.83	-15.03	47.22	0.22	0.20	4.11
5,076.00	1.49	193.93	5,075.50	-45.85	-15.26	48.27	0.68	0.67	6.16
5,122.00	1.36	193.05	5,121.48	-46.96	-15.53	49.41	0.29	-0.28	-1.91
5,167.00	0.79	193.84	5,166.47	-47.79	-15.72	50.26	1.27	-1.27	1.76
5,212.00	1.01	189.49	5,211.47	-48.48	-15.86	50.96	0.51	0.49	-9.67
5,257.00	1.27	196.30	5,256.46	-49.35	-16.07	51.85	0.65	0.58	15.13
5,303.00	1.54	199.51	5,302.44	-50.42	-16.42	52.98	0.61	0.59	6.98
5,348.00	1.41	204.74	5,347.43	-51.49	-16.85	54.13	0.42	-0.29	11.62
5,393.00	0.48	201.27	5,392.42	-52.17	-17.15	54.86	2.07	-2.07	-7.71
5,439.00	0.83	187.46	5,438.42	-52.68	-17.26	55.38	0.83	0.76	-30.02
5,484.00	1.27	183.47	5,483.41	-53.50	-17.33	56.19	0.99	0.98	-8.87
5,529.00	1.19	183.82	5,528.40	-54.47	-17.40	57.14	0.18	-0.18	0.78
5,575.00	1.01	151.92	5,574.39	-55.30	-17.24	57.90	1.37	-0.39	-69.35
5,620.00	0.88	138.60	5,619.39	-55.91	-16.82	58.37	0.57	-0.29	-29.60
5,665.00	0.79	118.91	5,664.38	-56.32	-16.32	58.63	0.66	-0.20	-43.76
5,688.00	0.83	103.31	5,687.38	-56.43	-16.02	58.66	0.97	0.17	-67.83
5,718.00	0.83	90.06	5,717.38	-56.48	-15.59	58.60	0.64	0.00	-44.17
5,747.00	1.39	180.95	5,746.37	-56.84	-15.39	58.88	5.62	1.93	313.41
5,778.00	4.06	197.94	5,777.34	-58.26	-15.73	60.34	8.91	8.61	54.81
5,808.00	7.50	204.94	5,807.18	-61.04	-16.89	63.34	11.68	11.47	23.33
5,838.00	11.44	208.69	5,836.77	-65.43	-19.14	68.17	13.29	13.13	12.50
5,868.00	14.81	207.57	5,865.98	-71.44	-22.34	74.82	11.26	11.23	-3.73
5,898.00	18.25	204.32	5,894.73	-79.12	-26.05	83.22	11.87	11.47	-10.83



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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)
5,928.00	22.00	202.07	5,922.90	-88.61	-30.10	93.45	12.76	12.50	-7.50
5,958.00	25.44	200.69	5,950.36	-99.85	-34.49	105.45	11.61	11.47	-4.60
5,988.00	28.50	198.19	5,977.09	-112.68	-39.00	119.03	10.88	10.20	-8.33
6,018.00	31.63	194.94	6,003.06	-127.09	-43.27	134.05	11.76	10.43	-10.83
6,048.00	34.88	193.57	6,028.14	-143.03	-47.31	150.49	11.12	10.83	-4.57
6,078.00	37.19	193.69	6,052.40	-160.18	-51.47	168.13	7.70	7.70	0.40
6,108.00	39.00	193.57	6,076.01	-178.17	-55.83	186.62	6.04	6.03	-0.40
6,138.00	41.13	194.07	6,098.97	-196.92	-60.44	205.92	7.18	7.10	1.67
6,168.00	42.13	194.44	6,121.39	-216.23	-65.35	225.85	3.43	3.33	1.23
6,198.00	41.94	194.44	6,143.67	-235.69	-70.36	245.93	0.63	-0.63	0.00
6,228.00	41.75	194.19	6,166.02	-255.08	-75.31	265.94	0.84	-0.63	-0.83
6,258.00	42.69	194.19	6,188.24	-274.62	-80.25	286.09	3.13	3.13	0.00
6,288.00	45.81	194.94	6,209.72	-294.88	-85.52	307.02	10.55	10.40	2.50
6,318.00	49.50	195.94	6,229.93	-316.25	-91.42	329.19	12.54	12.30	3.33
6,358.00	54.38	196.82	6,254.58	-346.45	-100.31	360.67	12.32	12.20	2.20
6,388.00	58.38	197.94	6,271.19	-370.29	-107.78	385.63	13.69	13.33	3.73
6,418.00	61.00	198.44	6,286.33	-394.89	-115.86	411.50	8.85	8.73	1.67
6,448.00	63.88	198.69	6,300.21	-420.10	-124.33	438.06	9.63	9.60	0.83
6,461.00	65.19	198.07	6,305.80	-431.23	-128.03	449.78	10.96	10.08	-4.77
6,478.00	67.38	198.44	6,312.63	-446.01	-132.91	465.33	13.04	12.88	2.18
6,493.00	69.50	198.69	6,318.14	-459.24	-137.35	479.26	14.22	14.13	1.67
6,508.00	71.13	199.19	6,323.20	-472.60	-141.93	493.36	11.31	10.87	3.33
6,523.00	73.13	199.69	6,327.80	-486.06	-146.68	507.61	13.71	13.33	3.33
6,538.00	75.25	200.07	6,331.89	-499.63	-151.59	522.00	14.34	14.13	2.53
6,554.00	76.47	200.58	6,335.79	-514.18	-156.98	537.46	8.23	7.63	3.19
6,564.00	78.05	200.88	6,338.00	-523.30	-160.43	547.18	16.07	15.80	3.00
6,574.00	79.43	201.10	6,339.95	-532.46	-163.95	556.94	13.97	13.80	2.20
6,584.00	81.00	201.07	6,341.65	-541.65	-167.49	566.75	15.70	15.70	-0.30
6,594.00	82.56	201.19	6,343.08	-550.88	-171.06	576.60	15.65	15.60	-1.20
6,604.00	84.18	201.28	6,344.24	-560.14	-174.66	586.49	16.22	16.20	0.90
6,614.00	85.92	201.33	6,345.10	-569.42	-178.28	596.40	17.41	17.40	0.50
6,629.00	88.59	201.84	6,345.82	-583.35	-183.79	611.30	18.12	17.80	3.40
6,644.00	91.17	202.02	6,345.85	-597.27	-189.39	626.21	17.24	17.20	1.20
6,659.00	93.00	202.55	6,345.30	-611.14	-195.07	641.10	12.70	12.20	3.53
6,690.00	93.15	202.54	6,343.64	-639.73	-206.94	671.83	0.48	0.48	-0.03
6,735.00	92.89	200.35	6,341.27	-681.55	-223.37	716.54	4.89	-0.58	-4.87
6,780.00	92.22	196.94	6,339.26	-724.14	-237.74	761.42	7.72	-1.49	-7.58
6,826.00	92.78	195.21	6,337.26	-768.30	-250.46	807.38	3.95	1.22	-3.76
6,871.00	93.52	196.32	6,334.78	-811.54	-262.67	852.31	2.96	1.64	2.47
6,916.00	92.78	194.09	6,332.31	-854.89	-274.46	897.23	5.21	-1.64	-4.96
6,962.00	92.10	193.97	6,330.35	-899.48	-285.60	943.17	1.50	-1.48	-0.26
7,007.00	91.05	193.41	6,329.11	-943.19	-296.24	988.13	2.64	-2.33	-1.24
7,052.00	89.81	192.73	6,328.78	-987.02	-306.42	1,033.08	3.14	-2.76	-1.51
7,098.00	89.51	192.60	6,329.05	-1,031.90	-316.50	1,079.02	0.71	-0.65	-0.28
7,143.00	93.26	194.08	6,327.96	-1,075.66	-326.88	1,123.96	8.96	8.33	3.29
7,188.00	92.78	193.58	6,325.59	-1,119.30	-337.62	1,168.88	1.54	-1.07	-1.11
7,234.00	92.23	194.42	6,323.58	-1,163.89	-348.74	1,214.81	2.18	-1.20	1.83
7,279.00	91.23	193.59	6,322.22	-1,207.53	-359.63	1,259.77	2.89	-2.22	-1.84
7,324.00	92.40	195.92	6,320.80	-1,251.02	-371.08	1,304.74	5.79	2.60	5.18
7,370.00	90.74	192.57	6,319.54	-1,295.58	-382.39	1,350.70	8.13	-3.61	-7.28
7,415.00	92.34	195.19	6,318.33	-1,339.24	-393.18	1,395.66	6.82	3.56	5.82
7,460.00	92.34	196.11	6,316.49	-1,382.54	-405.31	1,440.62	2.04	0.00	2.04
7,506.00	91.11	194.28	6,315.10	-1,426.91	-417.36	1,486.60	4.79	-2.67	-3.98
7,551.00	92.77	198.54	6,313.58	-1,470.04	-430.06	1,531.55	10.15	3.69	9.47



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7,596.00	90.93	196.16	6,312.13	-1,512.97	-443.47	1,576.51	6.68	-4.09	-5.29
7,642.00	90.74	197.91	6,311.46	-1,556.94	-456.95	1,622.48	3.83	-0.41	3.80
7,687.00	90.12	198.05	6,311.12	-1,599.74	-470.84	1,667.45	1.41	-1.38	0.31
7,732.00	89.63	197.85	6,311.22	-1,642.55	-484.71	1,712.41	1.18	-1.09	-0.44
7,778.00	90.31	196.60	6,311.24	-1,686.49	-498.33	1,758.39	3.09	1.48	-2.72
7,823.00	90.93	196.98	6,310.75	-1,729.57	-511.32	1,803.38	1.62	1.38	0.84
7,868.00	91.61	196.91	6,309.76	-1,772.60	-524.44	1,848.36	1.52	1.51	-0.16
7,914.00	92.96	195.79	6,307.92	-1,816.70	-537.38	1,894.31	3.81	2.93	-2.43
7,959.00	92.72	195.87	6,305.69	-1,859.94	-549.64	1,939.26	0.56	-0.53	0.18
8,004.00	92.41	195.52	6,303.68	-1,903.22	-561.80	1,984.21	1.04	-0.69	-0.78
8,050.00	91.91	196.03	6,301.95	-1,947.46	-574.29	2,030.18	1.55	-1.09	1.11
8,095.00	93.57	195.50	6,299.79	-1,990.71	-586.50	2,075.13	3.87	3.69	-1.18
8,140.00	93.82	195.18	6,296.89	-2,034.02	-598.38	2,120.03	0.90	0.56	-0.71
8,186.00	91.79	195.98	6,294.64	-2,078.28	-610.72	2,165.97	4.74	-4.41	1.74
8,231.00	91.61	194.19	6,293.31	-2,121.70	-622.43	2,210.95	4.00	-0.40	-3.98
8,276.00	92.28	193.58	6,291.78	-2,165.36	-633.22	2,255.90	2.01	1.49	-1.36
8,322.00	91.73	193.81	6,290.17	-2,210.03	-644.11	2,301.85	1.30	-1.20	0.50
8,367.00	92.72	192.52	6,288.42	-2,253.81	-654.35	2,346.77	3.61	2.20	-2.87
8,412.00	93.59	191.94	6,285.95	-2,297.72	-663.87	2,391.62	2.32	1.93	-1.29
8,458.00	93.76	192.09	6,283.00	-2,342.62	-673.42	2,437.44	0.49	0.37	0.33
8,503.00	92.29	191.29	6,280.62	-2,386.63	-682.53	2,482.26	3.72	-3.27	-1.78
8,548.00	91.05	190.68	6,279.31	-2,430.78	-691.10	2,527.10	3.07	-2.76	-1.36
8,594.00	93.94	191.54	6,277.31	-2,475.87	-699.95	2,572.90	6.55	6.28	1.87
8,639.00	93.51	191.71	6,274.39	-2,519.85	-709.00	2,617.70	1.03	-0.96	0.38
8,684.00	93.52	192.46	6,271.63	-2,563.77	-718.40	2,662.53	1.66	0.02	1.67
8,730.00	92.84	192.08	6,269.08	-2,608.65	-728.16	2,708.37	1.69	-1.48	-0.83
8,775.00	92.65	193.83	6,266.92	-2,652.46	-738.24	2,753.27	3.91	-0.42	3.89
8,820.00	92.03	196.32	6,265.08	-2,696.87	-749.93	2,798.23	5.70	-1.38	5.53
8,881.00	93.15	202.63	6,262.32	-2,753.29	-770.24	2,859.00	10.50	1.84	10.34
8,926.00	92.54	201.69	6,260.09	-2,794.91	-787.19	2,903.65	2.49	-1.36	-2.09
8,971.00	92.04	200.83	6,258.29	-2,836.82	-803.49	2,948.40	2.21	-1.11	-1.91
9,016.00	91.29	200.01	6,256.99	-2,878.97	-819.19	2,993.22	2.47	-1.67	-1.82
9,062.00	92.41	200.62	6,255.50	-2,922.09	-835.15	3,039.05	2.77	2.43	1.33
9,107.00	92.82	200.61	6,253.45	-2,964.16	-850.98	3,083.83	0.91	0.91	-0.02
9,152.00	92.97	199.85	6,251.17	-3,006.33	-866.52	3,128.63	1.72	0.33	-1.69
9,198.00	93.65	199.41	6,248.52	-3,049.58	-881.94	3,174.44	1.76	1.48	-0.96
9,243.00	93.96	199.42	6,245.53	-3,091.93	-896.87	3,219.24	0.69	0.69	0.02
9,289.00	92.84	199.05	6,242.80	-3,135.29	-912.00	3,265.07	2.56	-2.43	-0.80
9,334.00	93.08	199.41	6,240.48	-3,177.72	-926.80	3,309.92	0.96	0.53	0.80
9,379.00	92.22	198.87	6,238.40	-3,220.19	-941.54	3,354.79	2.26	-1.91	-1.20
9,424.00	92.77	198.48	6,236.44	-3,262.78	-955.93	3,399.68	1.50	1.22	-0.87
9,470.00	90.74	197.83	6,235.03	-3,306.46	-970.26	3,445.62	4.63	-4.41	-1.41
9,515.00	90.43	197.71	6,234.57	-3,349.31	-983.99	3,490.58	0.74	-0.69	-0.27
9,560.00	91.91	197.77	6,233.65	-3,392.16	-997.70	3,535.54	3.29	3.29	0.13
9,606.00	92.28	199.04	6,231.97	-3,435.78	-1,012.21	3,581.46	2.87	0.80	2.76
9,651.00	90.12	199.06	6,231.03	-3,478.30	-1,026.90	3,626.36	4.80	-4.80	0.04
9,696.00	88.03	198.86	6,231.76	-3,520.85	-1,041.51	3,671.28	4.67	-4.64	-0.44
9,742.00	85.98	197.88	6,234.16	-3,564.45	-1,055.99	3,717.16	4.94	-4.46	-2.13
9,787.00	85.79	198.02	6,237.39	-3,607.15	-1,069.82	3,762.01	0.52	-0.42	0.31
9,832.00	88.40	197.79	6,239.67	-3,649.91	-1,083.64	3,806.91	5.82	5.80	-0.51
9,878.00	89.20	197.70	6,240.63	-3,693.71	-1,097.66	3,852.87	1.75	1.74	-0.20
9,923.00	90.93	196.75	6,240.58	-3,736.69	-1,110.98	3,897.85	4.39	3.84	-2.11
9,968.00	91.36	196.14	6,239.68	-3,779.84	-1,123.72	3,942.84	1.66	0.96	-1.36
10,014.00	91.73	196.15	6,238.44	-3,824.01	-1,136.50	3,988.82	0.80	0.80	0.02



Weatherford International Ltd.
Survey Report



Company: NEWFIELD EXPLORATION CO.
Project: DUCHESNE COUNTY, UT
Site: GMB 3-32-8-16H
Well: GMB 3-32-8-16H
Wellbore: GMB 3-32-8-16H
Design: GMB 3-32-8-16H

Local Co-ordinate Reference: Well GMB 3-32-8-16H
TVD Reference: WELL @ 5726.90ft (CAPSTAR 329)
MD Reference: WELL @ 5726.90ft (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)
10,059.00	92.29	195.14	6,236.86	-3,867.32	-1,148.63	4,033.79	2.57	1.24	-2.24
10,104.00	92.84	195.27	6,234.85	-3,910.70	-1,160.42	4,078.75	1.26	1.22	0.29
10,150.00	93.40	194.98	6,232.35	-3,955.04	-1,172.41	4,124.68	1.37	1.22	-0.63
10,195.00	93.14	195.16	6,229.78	-3,998.42	-1,184.09	4,169.60	0.70	-0.58	0.40
10,240.00	90.49	194.86	6,228.35	-4,041.86	-1,195.74	4,214.57	5.93	-5.89	-0.67
10,286.00	92.04	196.24	6,227.34	-4,086.16	-1,208.06	4,260.56	4.51	3.37	3.00
10,331.00	92.84	196.94	6,225.42	-4,129.25	-1,220.90	4,305.51	2.36	1.78	1.56
10,376.00	91.67	196.55	6,223.65	-4,172.31	-1,233.86	4,350.47	2.74	-2.60	-0.87
10,422.00	90.74	197.07	6,222.69	-4,216.33	-1,247.16	4,396.45	2.32	-2.02	1.13
10,467.00	89.88	194.38	6,222.44	-4,259.64	-1,259.35	4,441.44	6.28	-1.91	-5.98
10,512.00	90.49	194.53	6,222.30	-4,303.22	-1,270.58	4,486.43	1.40	1.36	0.33
10,558.00	92.28	194.97	6,221.18	-4,347.68	-1,282.29	4,532.41	4.01	3.89	0.96
10,603.00	92.47	195.44	6,219.32	-4,391.07	-1,294.08	4,577.37	1.13	0.42	1.04
10,648.00	92.97	194.95	6,217.18	-4,434.45	-1,305.86	4,622.32	1.55	1.11	-1.09
10,694.00	93.57	195.30	6,214.56	-4,478.78	-1,317.85	4,668.24	1.51	1.30	0.76
10,739.00	90.93	193.32	6,212.79	-4,522.35	-1,328.96	4,713.19	7.33	-5.87	-4.40
LAST SVY									
10,770.00	90.86	193.82	6,212.31	-4,552.48	-1,336.23	4,744.16	1.63	-0.23	1.61
PROJ SVY - PBHL GMB 3-32-8-16H									
10,830.00	90.72	194.79	6,211.48	-4,610.61	-1,351.05	4,804.14	1.63	-0.23	1.62

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
10,770.00	6,212.31	-4,552.48	-1,336.23	LAST SVY
10,830.00	6,211.48	-4,610.61	-1,351.05	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____

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Daily Activity Report**Format For Sundry****MONUMENT BUTTE 3-32-8-16H****12/1/2010 To 4/28/2011****MONUMENT BUTTE 3-32-8-16H****Waiting on Cement****Date:** 1/21/2011

Ross #29 at 540. Days Since Spud - On 1-6-11 Ross # 29 spud and drilled 540 of 12 1/4" hole, P/U and run 13 jts. Of 8 5/8" casing set - yield. Returned 5bbls to pit, bump plug to 120 psi, BLM and State were notified of spud via email. - @ 530.28', On 1-10-11 cement w/ BJ w/ 240 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0**Cumulative Cost:** \$94,695**MONUMENT BUTTE 3-32-8-16H****Drill 7 7/8" hole with salt water****Date:** 1/24/2011

Capstar #329 at 762. 1 Days Since Spud - Trip...TOOH found few metal slivers on magnet - Rig repair...Iron Roughneck - Trip...TOOH laydown magnet - Trip P/U motor, MWD, & scribe tools - Install rotating head and hook up kelly hose - Trip TIH tag cmt @ 470' - Drill cmt @ float equipt 470'-530' - Drlg 540' - 762'(222') @ 222 fph, gpm 426, rot 60 MM 140=200 trpm, w/ 800 psi pump pressure - 20500 hrs on 1/23/11 RNI water truck ran over the 11" x 5K wellhead damaging head and bending casing - Cut off damaged wellhead_dig cellar and install 6' x 6' cellar ring_cut off damaged casing - Install new 11" x 5K wellhead @ 26" below ground level_make up additional 24" 11" x 5K spacer spool - Spot and rig up Capstar rig 329 with trucks - Nipple up BOP and rig up - Pressure Test BOP Test Blind & Pipe rams to 250 psi low 2000 psi high - Test Choke line, Choke Manifold, Lower Kelly cock, & safety valve to 250 psi low 2000 psi high - Test Hydrill to 250 psi low 1500 high all equipt tested good - Install Wear Bushing in 11" x 5K head - TIH...P/U and MU magnet w/ cutlip sub and TIH tag cmt @ - Install wear bushing - Trip pick up magnet w/ cut lip sub and TIH tag cmt @ 470' work magnet

Daily Cost: \$0**Cumulative Cost:** \$138,352**MONUMENT BUTTE 3-32-8-16H****Drill 7 7/8" hole with salt water****Date:** 1/25/2011

Capstar #329 at 4094. 2 Days Since Spud - Rig repair flowline section not chained came apart while slideing well flowing >2 bpm shut hydrill - Rig Service - bleed thru 2" while repairing - Drlg 762' - 2680'(1918') @ 167 fph, gpm 426, rot 60 MM 140=200 trpm, w/ 900 psi pump pressure - Vent gas thru seperator from 3117' (7-8' flare) - Drlg 2680' - 4094'(1414') @ 123 fph, gpm 426, rot 60 MM 140=200 trpm, w/ 1000 psi pump pressure

Daily Cost: \$0**Cumulative Cost:** \$179,008**MONUMENT BUTTE 3-32-8-16H****TOOH****Date:** 1/26/2011

Capstar #329 at 5740. 3 Days Since Spud - Rig repair flowline - Mix 64 bbl weighted (10.7#) pill in slug pit and spot from 530' to 2150' check for flow well dead - pump 40 bbl high vis sweep and circ out - Drlg 5083' - 5740'(657') @ 77 fph, gpm 426, rot 60 MM 140=200 trpm, w/ 1250 psi pump pressure - Rig service - Drlg 4094' - 5083'(989') @ 90 fph, gpm 426, rot 60 MM 140=200 trpm, w/ 1175 psi pump pressure - TOOH multiple flow checks well flowing +/- 1bpm

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

Cumulative Cost: \$243,098

MONUMENT BUTTE 3-32-8-16H

wait on MWD

Date: 1/27/2011

Capstar #329 at 5740. 4 Days Since Spud - LD MWD tools - Change out swivel lock - load pipe racks & strap pipe - MU Bit, Mtr. MWD & scribe - Trouble shoot MWD - Cut Drilling line - TIH - 1618' - Trouble shoot MWD - POOH for MWD - Wait on MWD - POOH - spot 100 bbl pill

Daily Cost: \$0

Cumulative Cost: \$297,417

MONUMENT BUTTE 3-32-8-16H

Drill 7 7/8" hole with salt water

Date: 1/28/2011

Capstar #329 at 5934. 5 Days Since Spud - Drlg Curve 5747' - 5934', 187' @ 13.85 fph gpm 420, rpm 60 Mtr. 84 = 154 wob 35K slide & rot - Drlg. 5740' - 5747', 7' @ 14 fph, gpm 420, rpm 60 Mtr. 84 = 154 wob 35K - TIH - Wait on MWD tools - Change out swivel lock

Daily Cost: \$0

Cumulative Cost: \$347,475

MONUMENT BUTTE 3-32-8-16H

Drill 7 7/8" hole with salt water

Date: 1/29/2011

Capstar #329 at 6319. 6 Days Since Spud - Drlg Curve 6110' - 6319', 209' @ 16.07 fph gpm 420, rpm 60 Mtr. 84 = 154 wob 35K slide & rot - Drlg Curve 5934' - 6110', 176' @ 16.76 fph gpm 420, rpm 60 Mtr. 84 = 154 wob 35K slide & rot - Service rig

Daily Cost: \$0

Cumulative Cost: \$381,184

MONUMENT BUTTE 3-32-8-16H

Drill 7 7/8" hole with salt water

Date: 1/30/2011

Capstar #329 at 6600. 7 Days Since Spud - Drlg Curve 6518' - 6600', 82' @ 12.61 fph gpm 420, rpm 60 Mtr. 84 = 154 wob 35K slide & rot - Circ./Cond hole for trip - POOH for Lateral Ass'y - Drlg Curve 6319' - 6518', 199' @ 17.30 fph gpm 420, rpm 60 Mtr. 84 = 154 wob 35K slide & rot - Service rig

Daily Cost: \$0

Cumulative Cost: \$412,574

MONUMENT BUTTE 3-32-8-16H

Drill 6 1/8" lateral with salt water

Date: 1/31/2011

Capstar #329 at 6803. 8 Days Since Spud - TIH W/ 4" DP - Program LWD tool - MU new Mtr., Bit LWD, MWD scribe - LD MWD, Bit, & Mtr. - POOH for Lateral Ass'y - Install Rotating head - Circ. - TIH - Circ. Strape pipe 3' flar - POOH to retrieve DP screen - Wash to bottom 6450' - 6600' - Drlg.curve 6600' - 6664' EOB 6664' - Drlg lateral 6664' - 6803', 139' @ 69.5, gpm 275 rpm 60, mtr. 126 - TIH

Daily Cost: \$0

Cumulative Cost: \$445,494

MONUMENT BUTTE 3-32-8-16H

Drill 6 1/8" lateral with salt water

Date: 2/1/2011

Capstar #329 at 7938. 9 Days Since Spud - service rig - Drlg lateral 6803' - 7248', 445' @ 52.53 fph, gpm 275 rpm 60, mtr. 126 - Drlg lateral 7248' - 7938', 690' @ 46 fph, gpm 275 rpm 60, mtr. 126

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Daily Cost: \$0
Cumulative Cost: \$501,821

MONUMENT BUTTE 3-32-8-16H**Circulate & Condition Hole****Date:** 2/2/2011

Capstar #329 at 8900. 10 Days Since Spud - Rig service - Drlg lateral 7938' - 8472', 534' @ 46.43 fph, gpm 275 rpm 60, mtr. 126 - Drlg lateral 8472 - 8900', 428' @ 35.66 fph, gpm 275 rpm 60, mtr. 126

Daily Cost: \$0
Cumulative Cost: \$551,457

MONUMENT BUTTE 3-32-8-16H**TIH****Date:** 2/3/2011

Capstar #329 at 8900. 11 Days Since Spud - Circ./Cond hole for trip - POOH - Take off Kelly hose - POOH - Check flow no flow - POOH - hook up Kelly hose Pump slug check flow no flow - POOH POOH - PJSM remove sources LDDT & Bit - MU new Mtr. Bit - wait on LWD tool - MU scribe tools - Program hel tool & load sources - hook up kelly hose & test tools - TIH TIH - work on roughneck - TIH brake Circ. Ever 3000'

Daily Cost: \$0
Cumulative Cost: \$601,828

MONUMENT BUTTE 3-32-8-16H**TIH****Date:** 2/4/2011

Capstar #329 at 9847. 12 Days Since Spud - TIH - /Wash 45' to bottom for precaution - - Service Rig - Drlg lateral 8900' - 9113', 213' @ 53.25 fph, gpm 275 rpm 60, mtr. 126

Daily Cost: \$0
Cumulative Cost: \$651,059

MONUMENT BUTTE 3-32-8-16H**Circulate & Condition Hole****Date:** 2/5/2011

Capstar #329 at 10830. 13 Days Since Spud - Drlg lateral 9847' - 10119', 272' @ 54.4 fph, gpm 275 rpm 60, mtr. 126 - Service Rig - Circ./Cond hole for Trip, Torun Logs - Trouble shoot LWD tool - Drlg lateral 10543' - 10830', 287' @ 31.88 fph, gpm 275 rpm 60, mtr. 126 (TD well @ 10830 2-5-11) - Drlg lateral 10119' - 10543', 424' @ 65.23 fph, gpm 275 rpm 60, mtr. 126

Daily Cost: \$0
Cumulative Cost: \$707,959

MONUMENT BUTTE 3-32-8-16H**Logging****Date:** 2/6/2011

Capstar #329 at 10380. 14 Days Since Spud - Circ./Cond hole for trip to run logs - Check flow, pump slug & POOH - Pull rotating head & check flow - POOH - PJSM W/ Weatherford Loggers RU Logs - Loggers preparing tool for logs - PU 5000' of pipe & run hole starting to flow @ 14 bbl per hour - Circ. Out gas set 40 bbl pill @ 11lb - Check flow POOH for logs - PJSM with LWD hands LD sources, MWD, Mtr. & Bit

Daily Cost: \$0
Cumulative Cost: \$761,209

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Capstar #329 at 10830. 15 Days Since Spud - Circ. With BJ pump truck - TIH with DP & Logs - Install rotating head - TIH with DP & Logs Tag bottom @ 10851' - Pressure test lines, pump messenger 83 bbls @ 4 bbl per min for 21 min, then pump 50 bbls @ 2 min - Circ. BU & pump 20 bbl pill - Circ. BU - POOH with Logs - flowing through DP 6425' hook up kelly hose & pump down DP kill flow - POOH with logs to 5700' - then pump 50 bbls @ 2 min per for bbl for 25 min per bbl

Daily Cost: \$0

Cumulative Cost: \$808,498

MONUMENT BUTTE 3-32-8-16H

Logging

Date: 2/8/2011

Capstar #329 at 10830. 16 Days Since Spud - Run Logs GR/CMI - Brake down Logs & down link - TIH with reamer Ass'y - PJSM PU reamer Ass'y & TIH - Hook up Hook up Kelly hose & Circ. Gas out 4-6' flar - RU & run wire line logsLitho-density/Neutron Porosity/ GR/CAL Suite Logs W/ 6425'

Daily Cost: \$0

Cumulative Cost: \$934,000

MONUMENT BUTTE 3-32-8-16H

Running casing

Date: 2/9/2011

Capstar #329 at 10830. 17 Days Since Spud - TIH W/ Reamers - Service Rig - TIH W/ Reamers - Circ./Cond. Hole Spot luber beads - Pump slug & POOH for casing - run 5 1/2 casing - PJSM W/ Packers Plus rep & RU to run casing - PU GS, FC, 6', pup jt, FC, toe Circ. Sub, dual Hyd. Fracport, run 77 4 1/2 casing W/ rockseal 11S - anchor/packer - MU X/O 4 1/2 - 5 1/2 sub - Pull rotating head & wear bushing

Daily Cost: \$0

Cumulative Cost: \$962,065

MONUMENT BUTTE 3-32-8-16H

Running casing

Date: 2/10/2011

Capstar #329 at 10830. 18 Days Since Spud - Run 5 1/2" csg - Hold PJSM w/ BJ, rig up pump truck, & break circulation @ EOC - Run 5 1/2" csg & tag tight spot @ 7836' & stack out 40K, drag up 15-20K - Circulate bottoms up with pump truck & excess amount of parafin balls circulated to surface - Run 3 jts of 5 1/2" csg with excess drag up and down on 3rd jt - Rig up BJ pump truck to rig swivel and condition mud in pits to 9.4+ weight & 40 vis - P/U & M/U landing mandrell & landing jt & land csg @ 10,760' - Run 5 1/2" csg & breaking circulation every 4th jt - Circulate bottoms up @ 2.5 bpm returning large amounts of parafin after 180 bbls pumped - Wash down 5 1/2" csg with pump truck @ 1 bpm - Circulate - Wash down 5 1/2" csg with pump truck @ 1 bpm work multiple times @ 10,780' with no movement downhole - Wash 3 jts of csg down @ rate of 1 bpm with drag decreasing to 20 - 25K

Daily Cost: \$0

Cumulative Cost: \$990,821

MONUMENT BUTTE 3-32-8-16H

Rigging down

Date: 2/11/2011

Capstar #329 at 10830. 19 Days Since Spud - Hold PJSM with BJ and rig up - Pump 120 bbls of 2% KCL ahead, drop ball & pump additional 180 bbls of 2% KCL to seat, pressure up - in stages to inflate packers & pump rates of 1 - 2 bpm - Rig down prep for trucks - Nipple down BOP & install cap - Clean pits Release rig @ 15:30 hrs on 02/10/2011 - Rig down BJ pump truck **Finalized**

Daily Cost: \$0

Cumulative Cost: \$1,370,111

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