

**NEWFIELD**



June 20, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: **Directional APD's**  
Mon. Butte St. H-2-9-16  
So. Mon. Butte St. R-2-9-16  
So. Mon. Butte St. S-2-9-16  
So. Mon. Butte St. Q-2-9-16  
Mon. Butte St. N-36-8-16  
Wells Draw St. M-32-8-16

Dear Diana:

Enclosed find APD's on the above referenced wells. They are all directional wells that will be drilled off of existing well pads. When these APD's are received, please contact Shon McKinnon to set up a State On-Site. Our Denver Office has been notified and will send you the required Directional Drill Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**JUN 23 2006**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-21839</b>
1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
1b. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME <b>Monument Butte</b>
2. NAME OF OPERATOR <b>Newfield Production Company</b>		8. FARM OR LEASE NAME <b>N/A</b>
3. ADDRESS AND TELEPHONE NUMBER: <b>Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721</b>		9. WELL NO. <b>Monument Butte State #H-2-9-16</b>
4. LOCATION OF WELL (FOOTAGE) At Surface <b>SE/NW 577747x 4434836y 40.062083 -110.088383</b> 1835' FNL 1968' FWL At proposed Producing Zone <b>NW 577958x 4434995y 40.063494 -110.085987</b> 1322' FNL 2638' FWL		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 13.9 miles southwest of Myton, UT</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SE/NW Sec. 2, T9S, R16E</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx. 1322' f/lse line and 1318' f/unit line</b>		12. County <b>Duchesne</b>
16. NO. OF ACRES IN LEASE <b>640.00</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>20</b>	13. STATE <b>UT</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approximately 1208' (Down Hole)</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5491' GL</b>		22. APPROX. DATE WORK WILL START* <b>4th Quarter 2006</b>

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
<b>See Detail Below</b>				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

**\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

**SURFACE PIPE** - 155 sx Class G Cement +/- 10%, w/ 2% CaCl2 & 1/4#/sk Cello-flake  
 Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H2O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
 Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
 Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

24. Name & Signature: *Mandie Crozier* **Regulatory Specialist** Date: 6/19/2006  
**Mandie Crozier**

(This space for State use only)

API Number Assigned: 43013-33218 APPROVAL:

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

\*See Instructions On Reverse Side

**RECEIVED**

**JUN 23 2006**

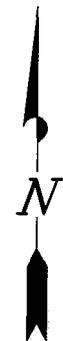
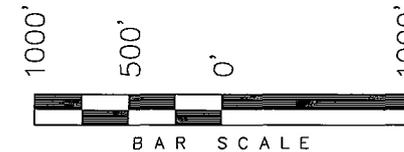
**DIV. OF OIL, GAS & MINING**

Date: 10-10-06  
 By: *[Signature]*

# T9S, R16E, S.L.B.&M.

# NEWFIELD PRODUCTION COMPANY

WELL LOCATION, MONUMENT BUTTE H-2-9-16, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 2, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**

1. The bottom of hole bears N52°11'37"E 841.54' from the well head.

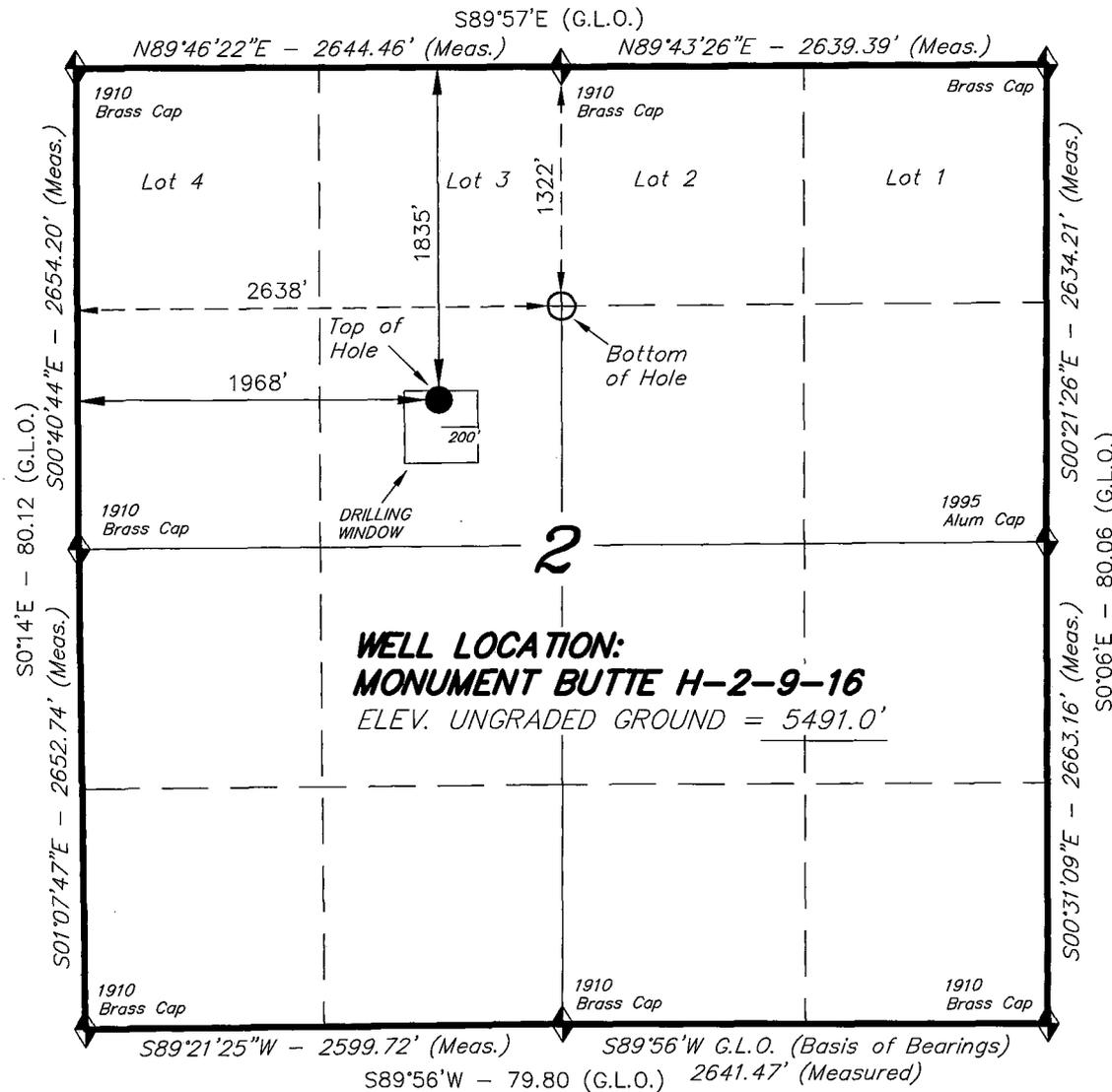
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD AND OFFICE SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377



## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 5-22-06	SURVEYED BY: C.M.
DATE DRAWN: 05-22-06	DRAWN BY: F.T.M.
REVISED: 05-30-06 F.T.M.	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**MONUMENT BUTTE H-2-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 03' 43.63"  
LONGITUDE = 110° 05' 20.53"

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT  
MONUMENT BUTTE UNIT UT080P49-8861680  
DUCHESNE COUNTY, UTAH**

Monument Butte State N-36-8-16

State of Utah Lease # ML-22061 (surface & bottomhole)  
2064' FSL, 639' FWL (at surface)  
2654' FSL, 1313' FWL (bottomhole)  
Section 36-T8S-R16E

Monument Butte State H-2-9-16

State of Utah Lease # ML-21839 (surface & bottomhole)  
1835' FNL, 1968' FWL (at surface)  
1322' FNL, 2638' FWL (bottomhole)  
Section 2-T9S-R16E

Monument Butte Federal K-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1885' FNL, 671' FEL (at surface)  
2629' FNL, 0' FEL (bottomhole)  
Section 35-T8S-R16E

Monument Butte Federal L-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1828' FSL, 2125' FEL (at surface)  
2649' FSL, 1327' FEL (bottomhole)  
Section 35-T8S-R16E

Monument Butte Federal M-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1810' FNL, 1978' FWL (at surface)  
2636' FNL, 2642' FWL (bottomhole)  
Section 35-T8S-R16E

NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE STATE #H-2-9-16  
SE/NW SECTION 2, T9S, R16E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

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

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)

Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

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

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

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

The well will be drilled with a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**MUD PROGRAM**

Surface – 3200'  
3200' – TD'

**MUD TYPE**

fresh water  
fresh water system

From about surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

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

It is anticipated that the drilling operations will commence the fourth quarter of 2006, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE STATE #H-2-9-16  
SE/NW SECTION 2, T9S, R16E  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Monument Butte State H-2-9-16 located in the SE ¼ NW ¼ Section 2, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.6 ± miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 5.2 miles ± to its junction with an existing road to the southwest; proceed southwesterly approximately 2.9 miles ± to its junction with an existing road to the south; proceed southeasterly approximately 2.4 miles ± to its junction with an existing road to the southwest; proceed southwesterly approximately 1.0 miles ± to its junction with an existing road to the north; proceed in a northeasterly direction approximately 0.8 miles ± to the existing #6-2-9-16 well location.

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

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled off of the existing 6-2-9-16 well pad. See attached **Topographic Map "B"**.

There will be no new gates or cattle guards required.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the existing 6-2-9-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed H-2-9-16.

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

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

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

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

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Monument Butte State H-2-9-16 will be drilled off of the existing 6-2-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

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

a) **Producing Location**

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

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

b) **Dry Hole Abandoned Location**

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

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

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Monument Butte State H-2-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Monument Butte State H-2-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

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

#### Representative

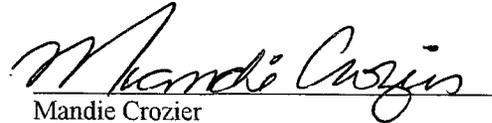
Name:	Shon McKinnon	Brad Mecham
Address:	Newfield Production Company Route 3, Box 3630 Myton, UT 84052	Newfield Production Company Route 3, Box 3630 Myton, UT 84052
Telephone:	(435) 646-3721	(435) 646-4811

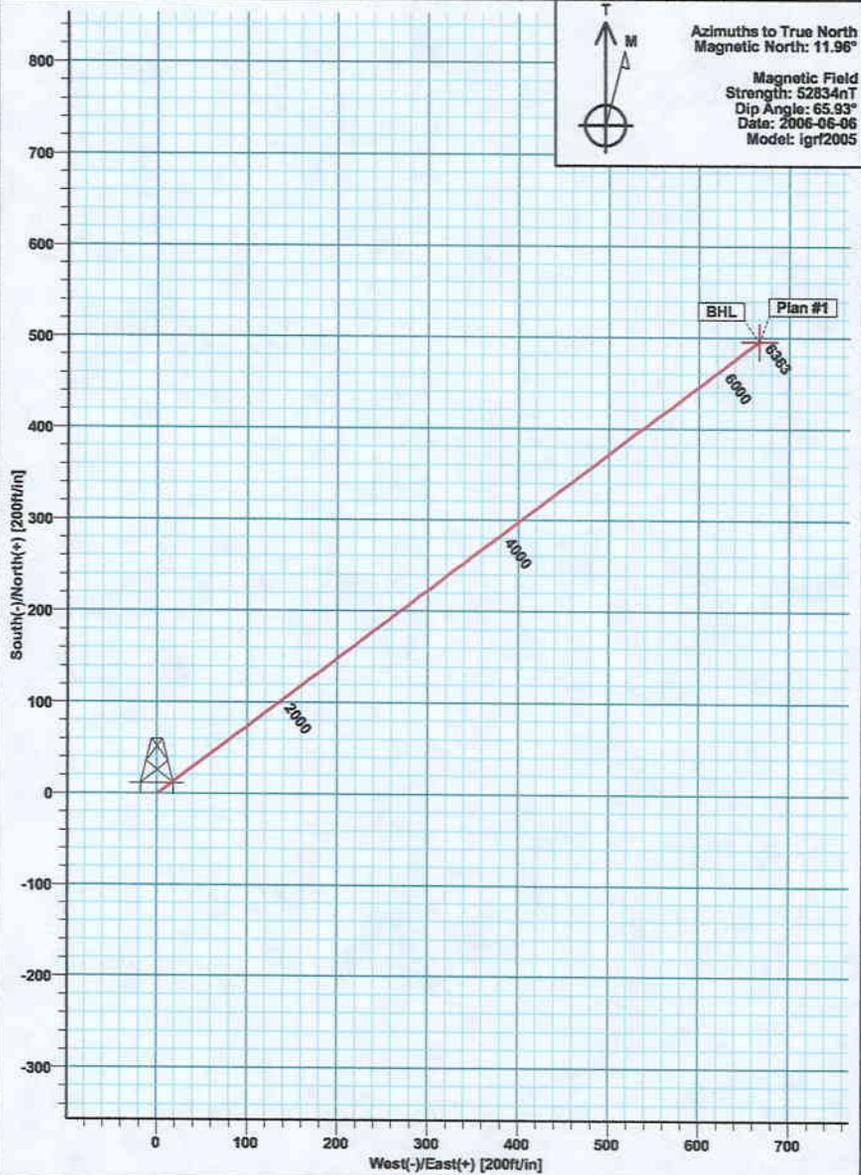
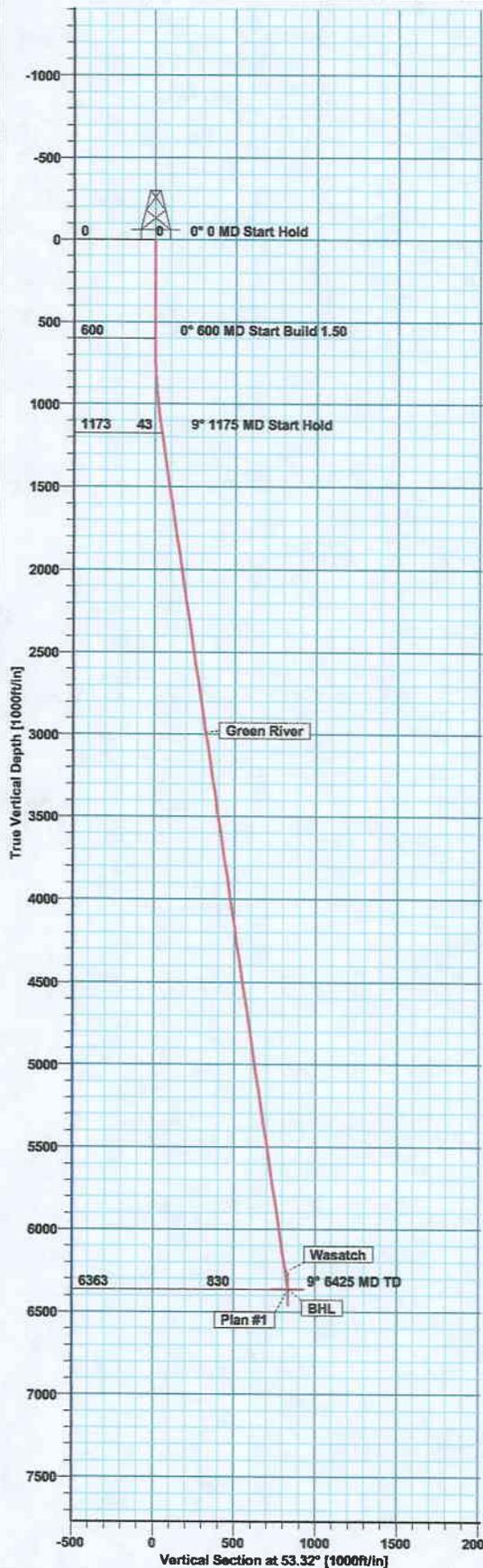
#### Certification

Please be advised that Newfield Production Company is considered to be the operator of well #H-2-9-16, SE/NW Section 2, T9S, R16E, LEASE #ML-21839, 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 Hartford Accident #4471291.

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.

June 19, 2006  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	53.32	0.00	0.00	0.00	0.00	0.00	0.00	
2	606.66	0.00	53.32	606.66	0.00	0.00	0.00	0.00	0.00	
3	1174.97	0.82	53.32	1172.90	25.80	34.64	1.50	63.32	43.19	
4	6424.53	0.82	53.32	6363.00	496.00	666.00	0.00	0.00	830.40	BHL

WELL DETAILS							
Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
MB H-2-9-16	0.00	0.00	7194479.99	2035308.95	40°03'43.630N	110°05'20.530W	N/A

**SITE DETAILS**  
Monument Butte H-2-9-16  
Sec. 2 T9S R16E  
Site Centre Latitude: 40°03'43.630N  
Longitude: 110°05'20.530W  
Ground Level: 5491.00  
Positional Uncertainty: 0.00  
Convergence: 0.90

Plan: Plan #1 (MB H-2-9-16/OH)  
Created By: Julie Seaman Date: 2006-06-06  
**FIELD DETAILS**  
Duchesne County, UT  
Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: Igr2005  
System Datum: Mean Sea Level  
Local North: True North



# Scientific Drilling International

## Planning Report

<b>Company:</b> Newfield Exploration Co. <b>Field:</b> Duchesne County, UT <b>Site:</b> Monument Butte H-2-9-16 <b>Well:</b> MB H-2-9-16 <b>Wellpath:</b> OH	<b>Date:</b> 2006-06-06 <b>Co-ordinate(NE) Reference:</b> Well: MB H-2-9-16, True North <b>Vertical (TVD) Reference:</b> GL 5491' & RKB 12' 5503.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,53.32Azi) <b>Plan:</b> Plan #1	<b>Time:</b> 17:12:54 <b>Page:</b> 1
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<b>Field:</b> Duchesne County, UT		
<b>Map System:</b> US State Plane Coordinate System 1983 <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> igrf2005	

**Site:** Monument Butte H-2-9-16  
Sec. 2 T9S R16E

<b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5491.00 ft	<b>Northing:</b> 7194479.99 ft <b>Easting:</b> 2035308.95 ft	<b>Latitude:</b> 40 3 43.630 N <b>Longitude:</b> 110 5 20.530 W <b>North Reference:</b> True <b>Grid Convergence:</b> 0.90 deg
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<b>Well:</b> MB H-2-9-16 <b>SHL:</b> 1806' FNL, 1980' FWL <b>Well Position:</b> +N-S 0.00 ft <b>+E/-W</b> 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b> <b>Northing:</b> 7194479.99 ft <b>Easting :</b> 2035308.95 ft <b>Latitude:</b> 40 3 43.630 N <b>Longitude:</b> 110 5 20.530 W
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<b>Wellpath:</b> OH <b>Current Datum:</b> GL 5491' & RKB 12' <b>Magnetic Data:</b> 2006-06-06 <b>Field Strength:</b> 52834 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Height</b> 5503.00 ft <b>+N/-S</b> ft <b>+E/-W</b> ft	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 11.96 deg <b>Mag Dip Angle:</b> 65.93 deg <b>Direction</b> deg
6363.00	0.00	0.00

<b>Plan:</b> Plan #1 <b>Principal:</b> Yes	<b>Date Composed:</b> 2006-06-06 <b>Version:</b> 1 <b>Tied-to:</b> From Surface
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**Plan Section Information**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	53.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	53.32	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1174.97	8.62	53.32	1172.80	25.80	34.64	1.50	1.50	0.00	53.32	
6424.53	8.62	53.32	6363.00	496.00	666.00	0.00	0.00	0.00	0.00	BHL

**Section 1 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	53.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	53.32	100.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32
200.00	0.00	53.32	200.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32
300.00	0.00	53.32	300.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32
400.00	0.00	53.32	400.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32
500.00	0.00	53.32	500.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32
600.00	0.00	53.32	600.00	0.00	0.00	0.00	0.00	0.00	0.00	53.32

**Section 2 : Start Build 1.50**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
700.00	1.50	53.32	699.99	0.78	1.05	1.31	1.50	1.50	0.00	0.00
800.00	3.00	53.32	799.91	3.13	4.20	5.23	1.50	1.50	0.00	0.00
900.00	4.50	53.32	899.69	7.03	9.44	11.77	1.50	1.50	0.00	0.00
1000.00	6.00	53.32	999.27	12.50	16.78	20.92	1.50	1.50	0.00	0.00
1100.00	7.50	53.32	1098.57	19.52	26.21	32.68	1.50	1.50	0.00	0.00
1174.97	8.62	53.32	1172.80	25.80	34.64	43.19	1.50	1.50	0.00	0.00





# Scientific Drilling International

## Planning Report

**Company:** Newfield Exploration Co.  
**Field:** Duchesne County, UT  
**Site:** Monument Butte H-2-9-16  
**Well:** MB H-2-9-16  
**Wellpath:** OH

**Date:** 2006-06-06      **Time:** 17:12:54      **Page:** 3  
**Co-ordinate(NE) Reference:** Well: MB H-2-9-16, True North  
**Vertical (TVD) Reference:** GL 5491' & RKB 12' 5503.0  
**Section (VS) Reference:** Well (0.00N,0.00E,53.32Azi)  
**Plan:** Plan #1

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
300.00	0.00	53.32	300.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
400.00	0.00	53.32	400.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
500.00	0.00	53.32	500.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
600.00	0.00	53.32	600.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
700.00	1.50	53.32	699.99	0.78	1.05	1.31	1.50	1.50	0.00	MWD
800.00	3.00	53.32	799.91	3.13	4.20	5.23	1.50	1.50	0.00	MWD
900.00	4.50	53.32	899.69	7.03	9.44	11.77	1.50	1.50	0.00	MWD
1000.00	6.00	53.32	999.27	12.50	16.78	20.92	1.50	1.50	0.00	MWD
1100.00	7.50	53.32	1098.57	19.52	26.21	32.68	1.50	1.50	0.00	MWD
1174.97	8.62	53.32	1172.80	25.80	34.64	43.19	1.50	1.50	0.00	MWD
1200.00	8.62	53.32	1197.55	28.04	37.65	46.95	0.00	0.00	0.00	MWD
1300.00	8.62	53.32	1296.42	37.00	49.68	61.94	0.00	0.00	0.00	MWD
1400.00	8.62	53.32	1395.29	45.95	61.71	76.94	0.00	0.00	0.00	MWD
1500.00	8.62	53.32	1494.16	54.91	73.73	91.93	0.00	0.00	0.00	MWD
1600.00	8.62	53.32	1593.03	63.87	85.76	106.93	0.00	0.00	0.00	MWD
1700.00	8.62	53.32	1691.89	72.83	97.79	121.92	0.00	0.00	0.00	MWD
1800.00	8.62	53.32	1790.76	81.78	109.81	136.92	0.00	0.00	0.00	MWD
1900.00	8.62	53.32	1889.63	90.74	121.84	151.92	0.00	0.00	0.00	MWD
2000.00	8.62	53.32	1988.50	99.70	133.87	166.91	0.00	0.00	0.00	MWD
2100.00	8.62	53.32	2087.37	108.65	145.89	181.91	0.00	0.00	0.00	MWD
2200.00	8.62	53.32	2186.24	117.61	157.92	196.90	0.00	0.00	0.00	MWD
2300.00	8.62	53.32	2285.11	126.57	169.95	211.90	0.00	0.00	0.00	MWD
2400.00	8.62	53.32	2383.98	135.52	181.97	226.90	0.00	0.00	0.00	MWD
2500.00	8.62	53.32	2482.85	144.48	194.00	241.89	0.00	0.00	0.00	MWD
2600.00	8.62	53.32	2581.72	153.44	206.03	256.89	0.00	0.00	0.00	MWD
2700.00	8.62	53.32	2680.59	162.40	218.05	271.88	0.00	0.00	0.00	MWD
2800.00	8.62	53.32	2779.46	171.35	230.08	286.88	0.00	0.00	0.00	MWD
2900.00	8.62	53.32	2878.33	180.31	242.11	301.87	0.00	0.00	0.00	MWD
3000.00	8.62	53.32	2977.19	189.27	254.14	316.87	0.00	0.00	0.00	MWD
3005.87	8.62	53.32	2983.00	189.79	254.84	317.75	0.00	0.00	0.00	Green River
3100.00	8.62	53.32	3076.06	198.22	266.16	331.87	0.00	0.00	0.00	MWD
3200.00	8.62	53.32	3174.93	207.18	278.19	346.86	0.00	0.00	0.00	MWD
3300.00	8.62	53.32	3273.80	216.14	290.22	361.86	0.00	0.00	0.00	MWD
3400.00	8.62	53.32	3372.67	225.09	302.24	376.85	0.00	0.00	0.00	MWD
3500.00	8.62	53.32	3471.54	234.05	314.27	391.85	0.00	0.00	0.00	MWD
3600.00	8.62	53.32	3570.41	243.01	326.30	406.84	0.00	0.00	0.00	MWD
3700.00	8.62	53.32	3669.28	251.96	338.32	421.84	0.00	0.00	0.00	MWD
3800.00	8.62	53.32	3768.15	260.92	350.35	436.84	0.00	0.00	0.00	MWD
3900.00	8.62	53.32	3867.02	269.88	362.38	451.83	0.00	0.00	0.00	MWD
4000.00	8.62	53.32	3965.89	278.84	374.40	466.83	0.00	0.00	0.00	MWD
4100.00	8.62	53.32	4064.76	287.79	386.43	481.82	0.00	0.00	0.00	MWD
4200.00	8.62	53.32	4163.63	296.75	398.46	496.82	0.00	0.00	0.00	MWD
4300.00	8.62	53.32	4262.49	305.71	410.49	511.82	0.00	0.00	0.00	MWD
4400.00	8.62	53.32	4361.36	314.66	422.51	526.81	0.00	0.00	0.00	MWD
4500.00	8.62	53.32	4460.23	323.62	434.54	541.81	0.00	0.00	0.00	MWD
4600.00	8.62	53.32	4559.10	332.58	446.57	556.80	0.00	0.00	0.00	MWD
4700.00	8.62	53.32	4657.97	341.53	458.59	571.80	0.00	0.00	0.00	MWD
4800.00	8.62	53.32	4756.84	350.49	470.62	586.79	0.00	0.00	0.00	MWD
4900.00	8.62	53.32	4855.71	359.45	482.65	601.79	0.00	0.00	0.00	MWD
5000.00	8.62	53.32	4954.58	368.41	494.67	616.79	0.00	0.00	0.00	MWD
5100.00	8.62	53.32	5053.45	377.36	506.70	631.78	0.00	0.00	0.00	MWD
5200.00	8.62	53.32	5152.32	386.32	518.73	646.78	0.00	0.00	0.00	MWD
5300.00	8.62	53.32	5251.19	395.28	530.75	661.77	0.00	0.00	0.00	MWD

# Scientific Drilling International

## Planning Report

**Company:** Newfield Exploration Co.  
**Field:** Duchesne County, UT  
**Site:** Monument Butte H-2-9-16  
**Well:** MB H-2-9-16  
**Wellpath:** OH

**Date:** 2006-06-06 **Time:** 17:12:54 **Page:** 4  
**Co-ordinate(NE) Reference:** Well: MB H-2-9-16, True North  
**Vertical (TVD) Reference:** GL 5491' & RKB 12' 5503.0  
**Section (VS) Reference:** Well (0.00N,0.00E,53.32Azi)  
**Plan:** Plan #1

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5400.00	8.62	53.32	5350.06	404.23	542.78	676.77	0.00	0.00	0.00	MWD
5500.00	8.62	53.32	5448.93	413.19	554.81	691.76	0.00	0.00	0.00	MWD
5600.00	8.62	53.32	5547.79	422.15	566.83	706.76	0.00	0.00	0.00	MWD
5700.00	8.62	53.32	5646.66	431.10	578.86	721.76	0.00	0.00	0.00	MWD
5800.00	8.62	53.32	5745.53	440.06	590.89	736.75	0.00	0.00	0.00	MWD
5900.00	8.62	53.32	5844.40	449.02	602.92	751.75	0.00	0.00	0.00	MWD
6000.00	8.62	53.32	5943.27	457.98	614.94	766.74	0.00	0.00	0.00	MWD
6100.00	8.62	53.32	6042.14	466.93	626.97	781.74	0.00	0.00	0.00	MWD
6200.00	8.62	53.32	6141.01	475.89	639.00	796.73	0.00	0.00	0.00	MWD
6300.00	8.62	53.32	6239.88	484.85	651.02	811.73	0.00	0.00	0.00	MWD
6318.33	8.62	53.32	6258.00	486.49	653.23	814.48	0.00	0.00	0.00	Wasatch
6400.00	8.62	53.32	6338.75	493.80	663.05	826.73	0.00	0.00	0.00	MWD
6424.53	8.62	53.32	6363.00	496.00	666.00	830.40	0.00	0.00	0.00	BHL

### Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
BHL -Plan hit target		6363.00	496.00	666.00	7194986.43	2035967.04	40 3 48.532 N	110 5 11.963 W

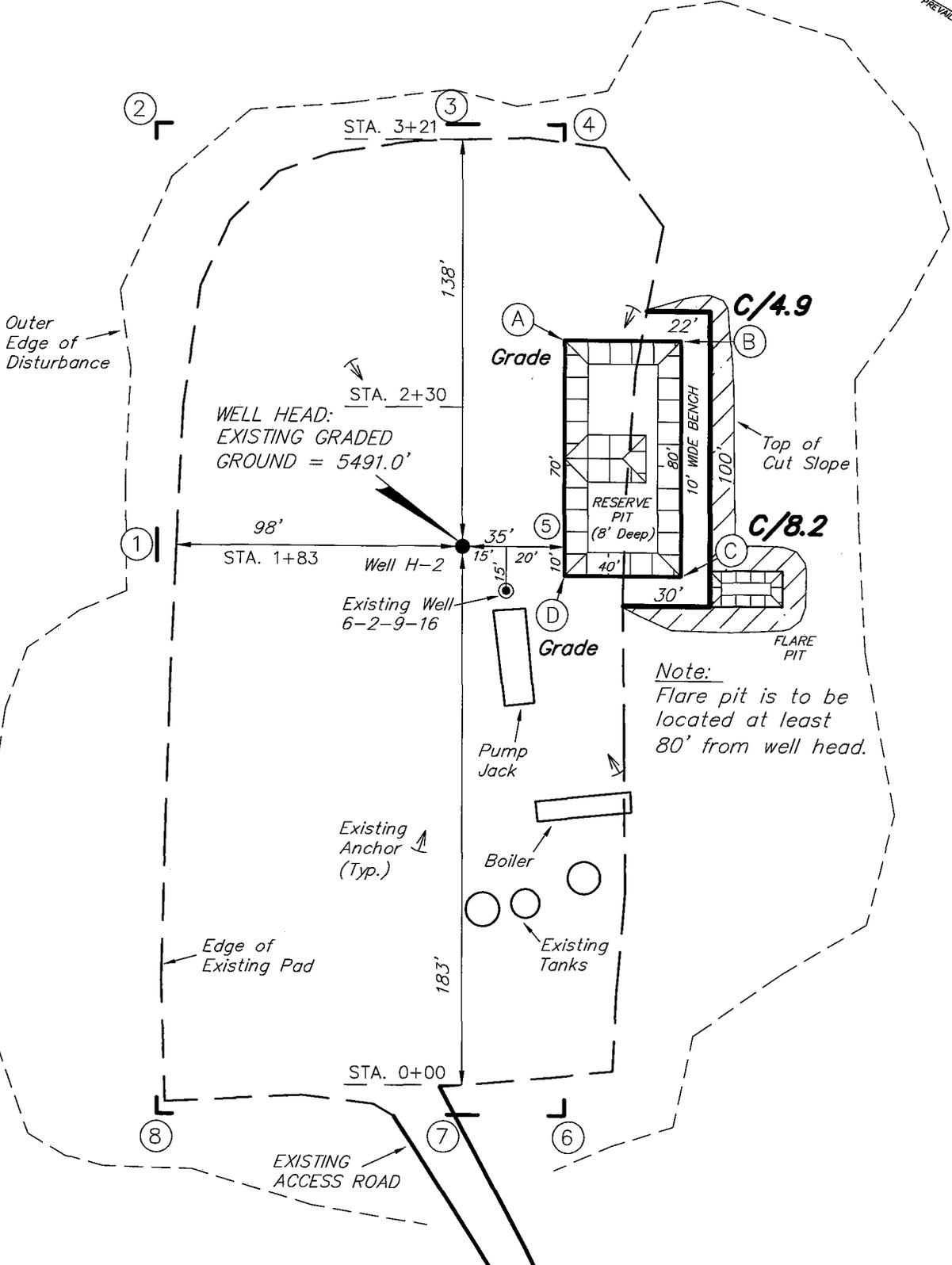
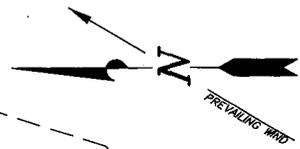
### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3005.87	2983.00	Green River		0.00	0.00
6318.33	6258.00	Wasatch		0.00	0.00

# NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE 6-2-9-16 (H-2)

Section 2, T9S, R16E, S.L.B.&M.

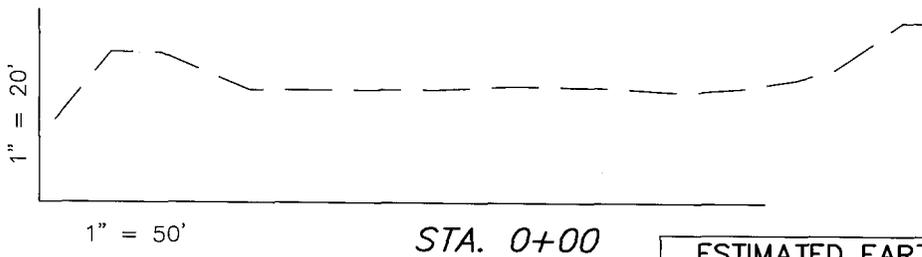
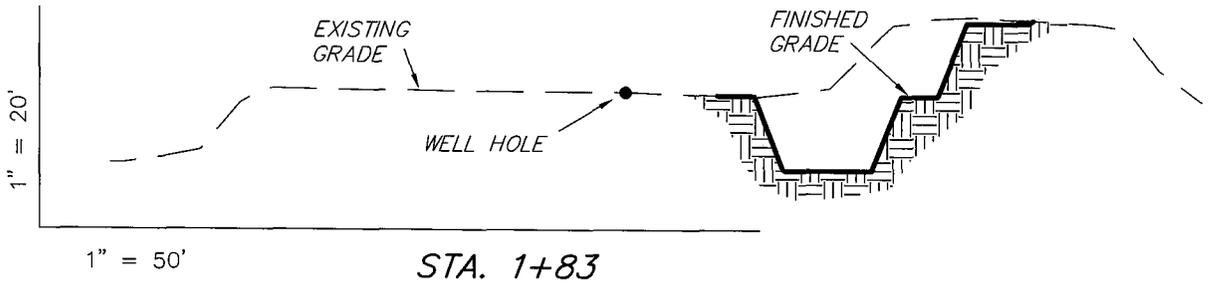
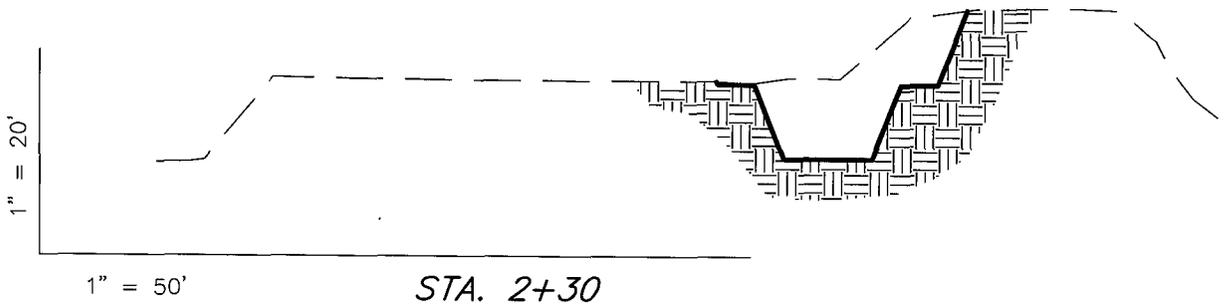
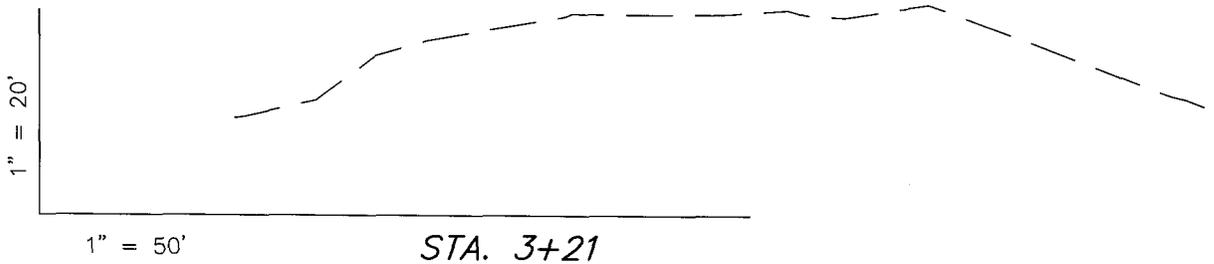


*Note:*  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-22-06

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

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**MONUMENT BUTTE 6-2-9-16 (H-2)**



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	880	0	Topsoil is not included in Pad Cut	880
PIT	640	0		640
TOTALS	1,520	0	N/A	1,520

SURVEYED BY: C.M.

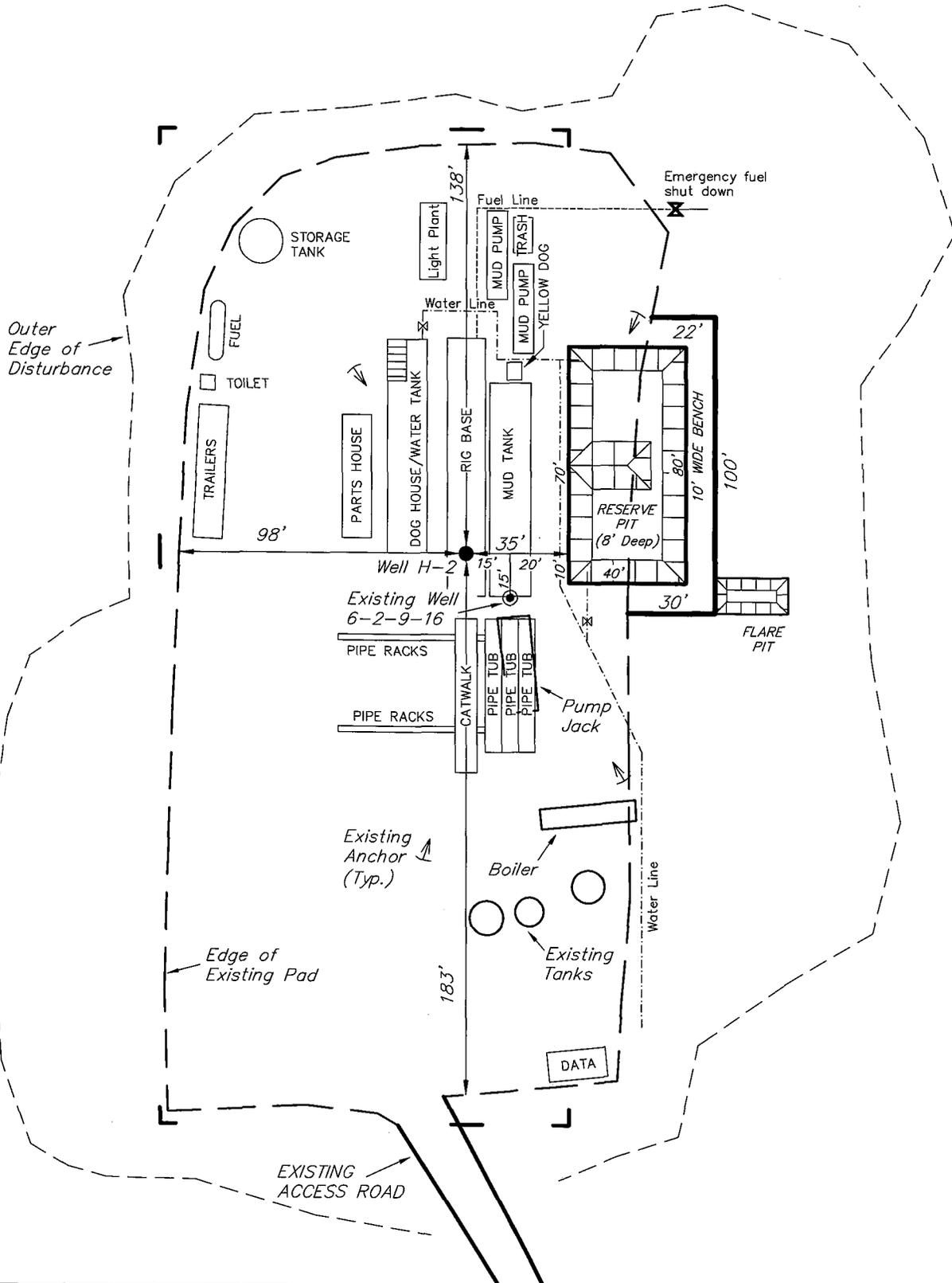
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 05-22-06

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

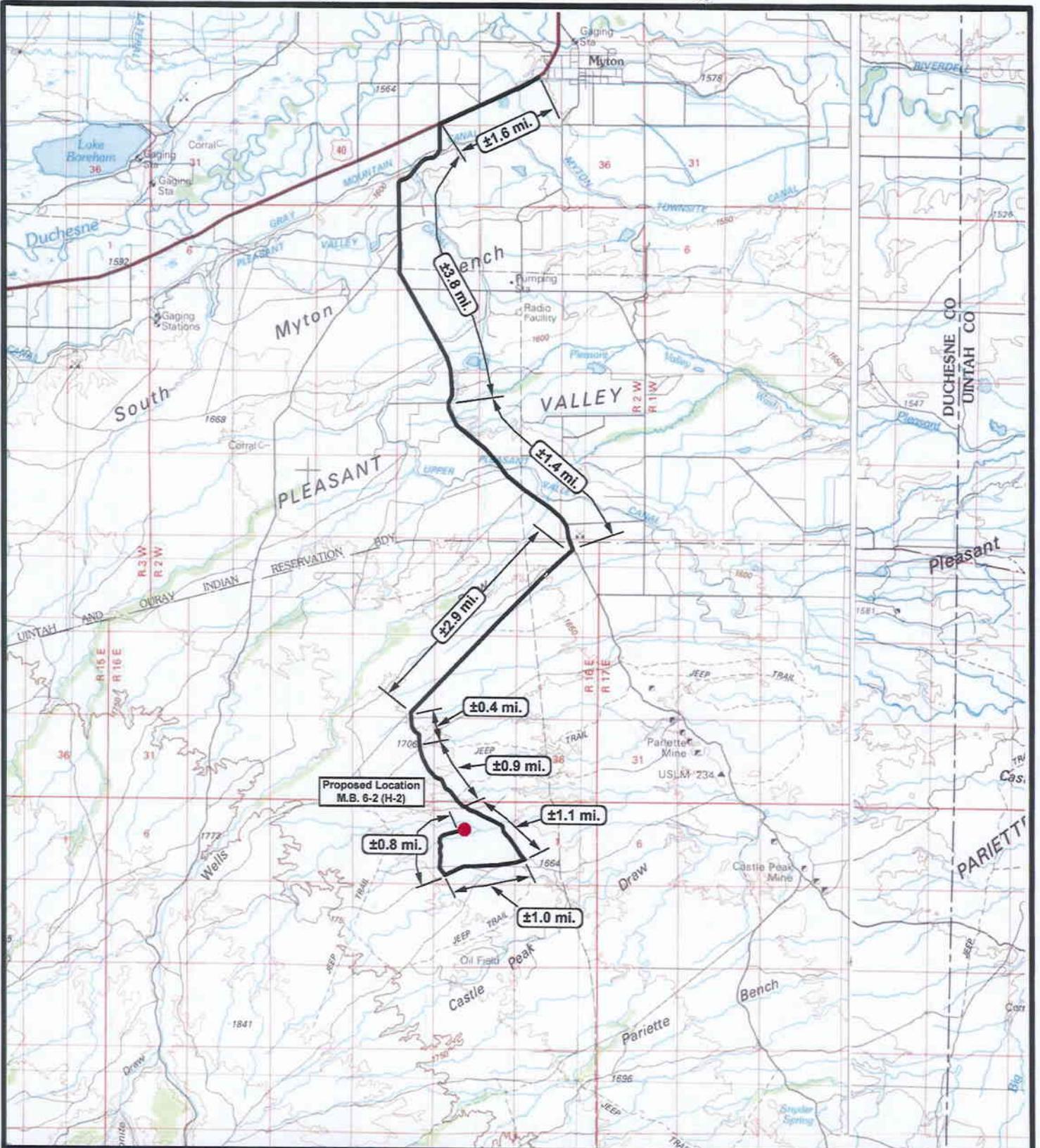
**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**MONUMENT BUTTE 6-2-9-16 (H-2)**



SURVEYED BY: C.M.  
 DRAWN BY: F.T.M.

SCALE: 1" = 50'  
 DATE: 05-22-06

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



 **NEWFIELD**  
Exploration Company

**Monument Butte 6-2-9-16 (H-2)**  
**SEC. 2, T9S, R16E, S.L.B.&M.**



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

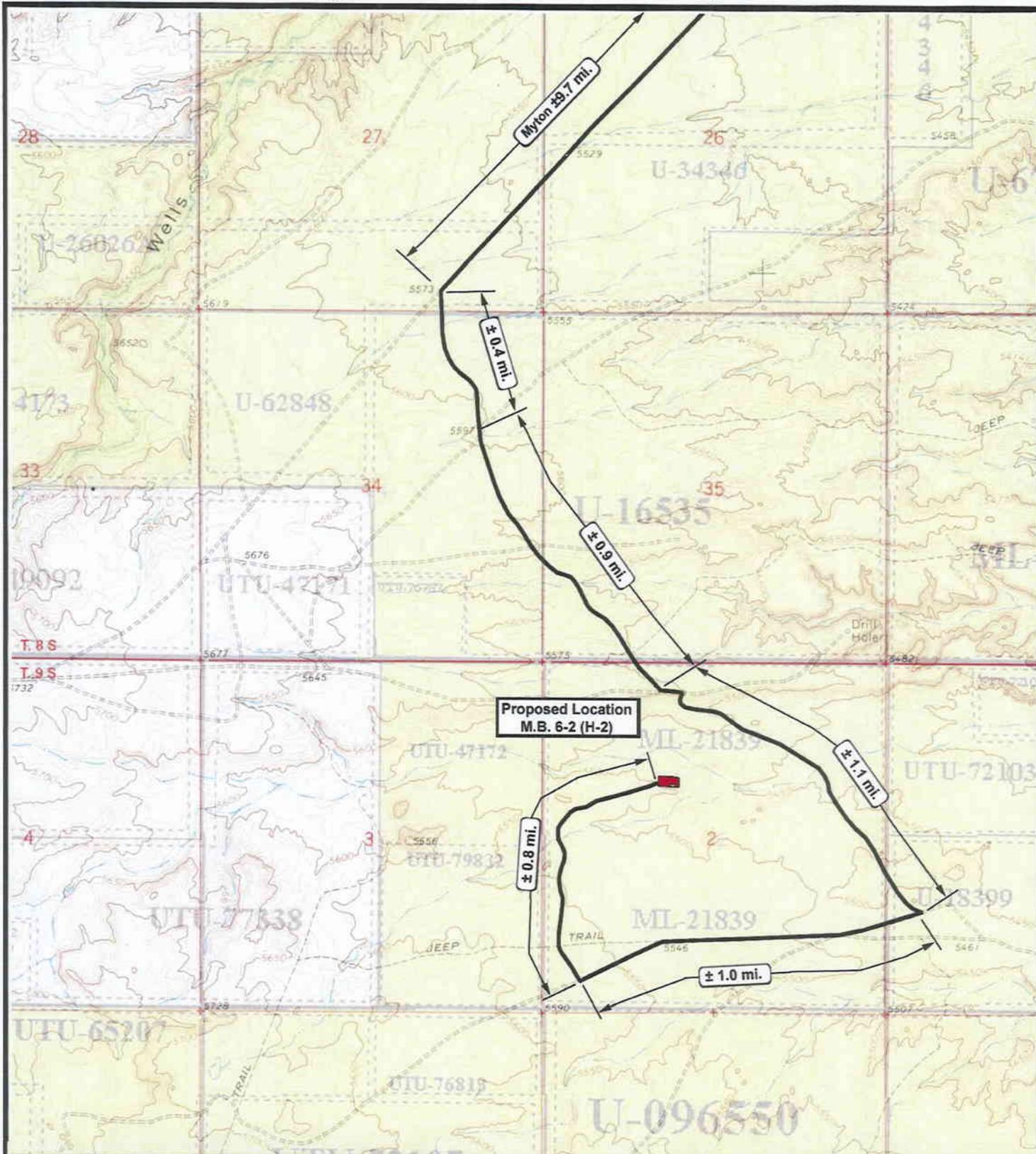
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

 Existing Road

**TOPOGRAPHIC MAP**

**"A"**



Proposed Location  
M.B. 6-2 (H-2)



**NEWFIELD**  
Exploration Company

**Monument Butte 6-2-9-16 (H-2)**  
**SEC. 2, T9S, R16E, S.L.B.&M.**



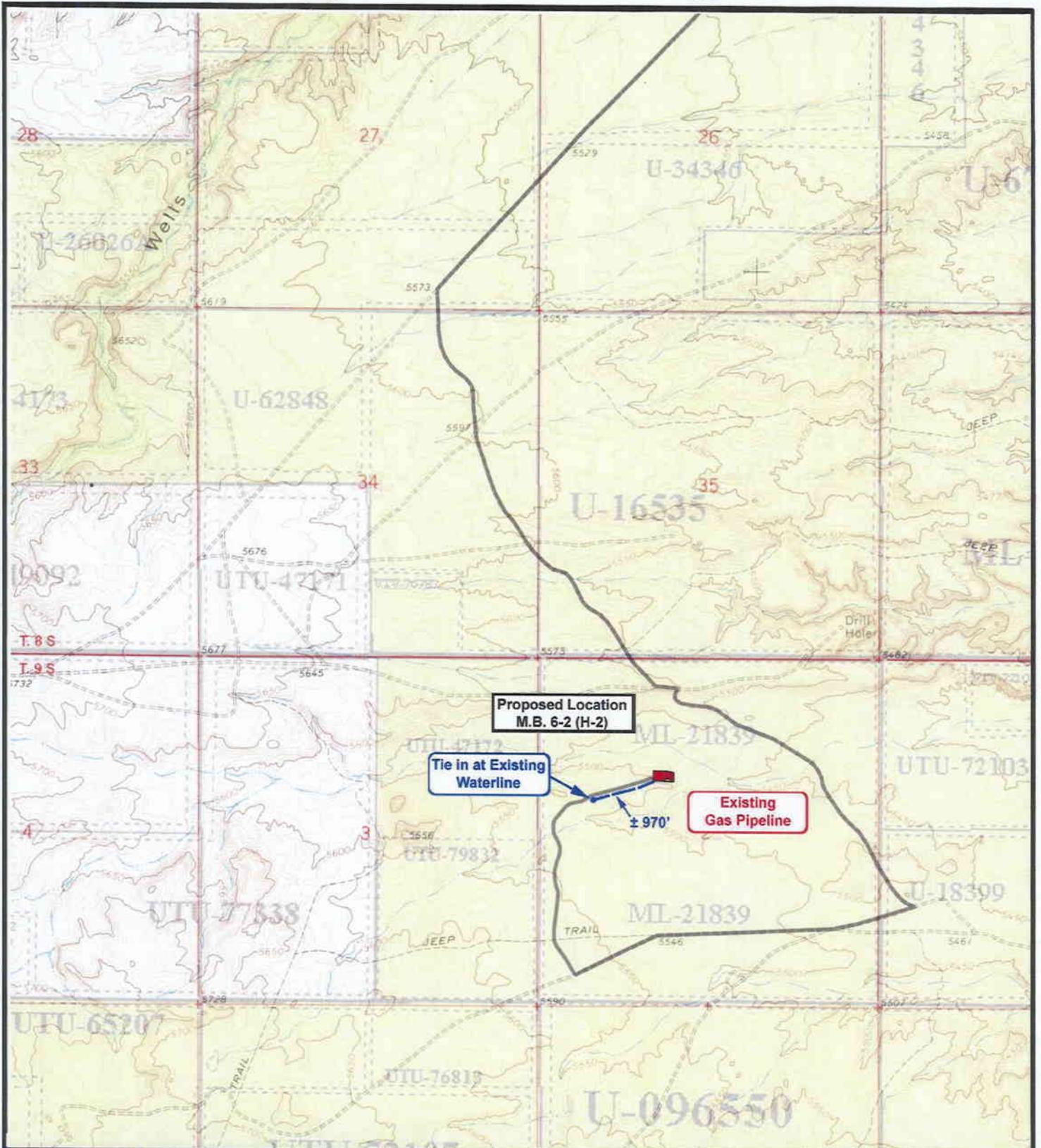

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

 Existing Road

TOPOGRAPHIC MAP  
**"B"**



Proposed Location  
M.B. 6-2 (H-2)

Tie in at Existing  
Waterline

Existing  
Gas Pipeline

± 970'

**NEWFIELD**  
Exploration Company

**Monument Butte 6-2-9-16 (H-2)**  
**SEC. 2, T9S, R16E, S.L.B.&M.**



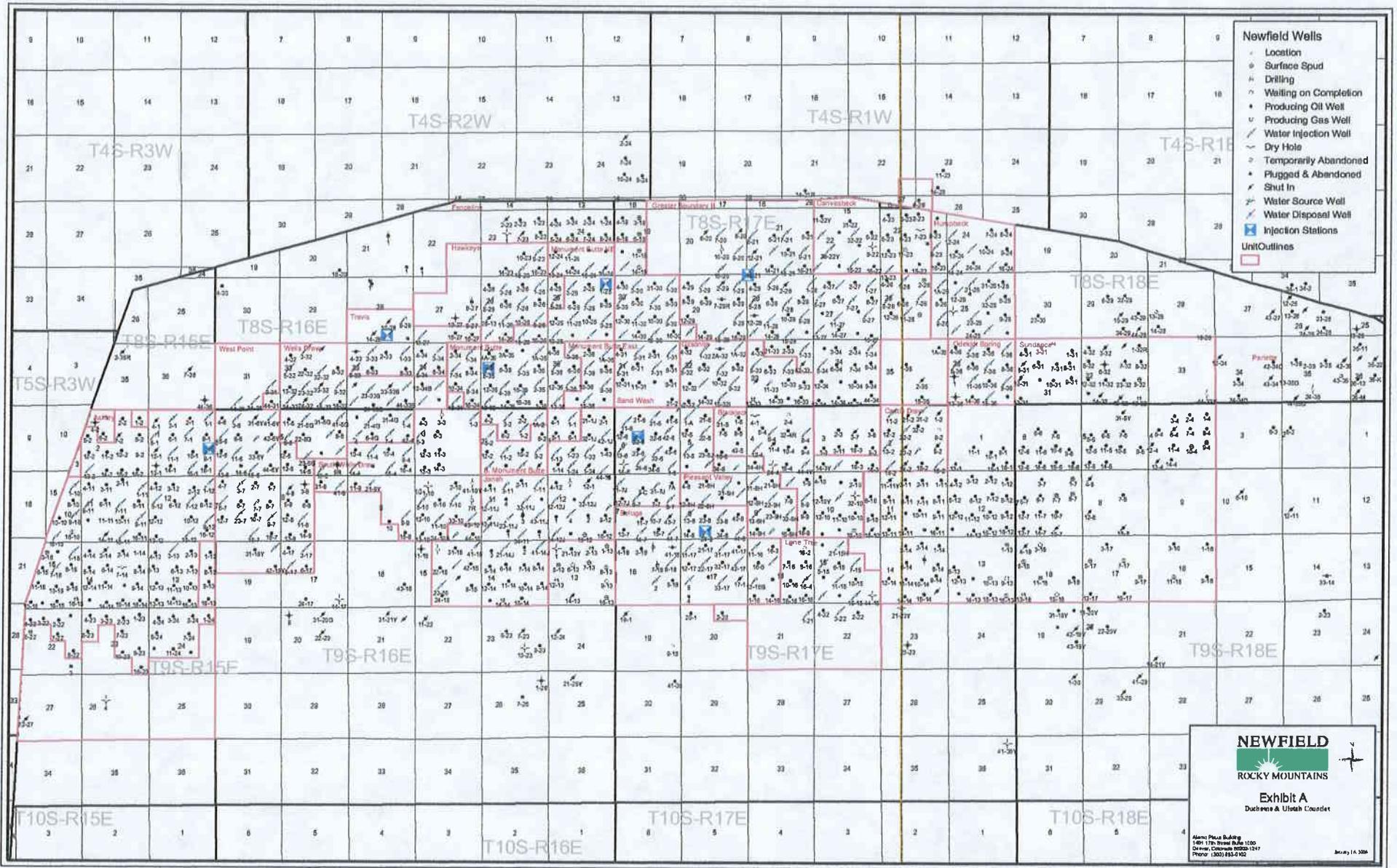
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

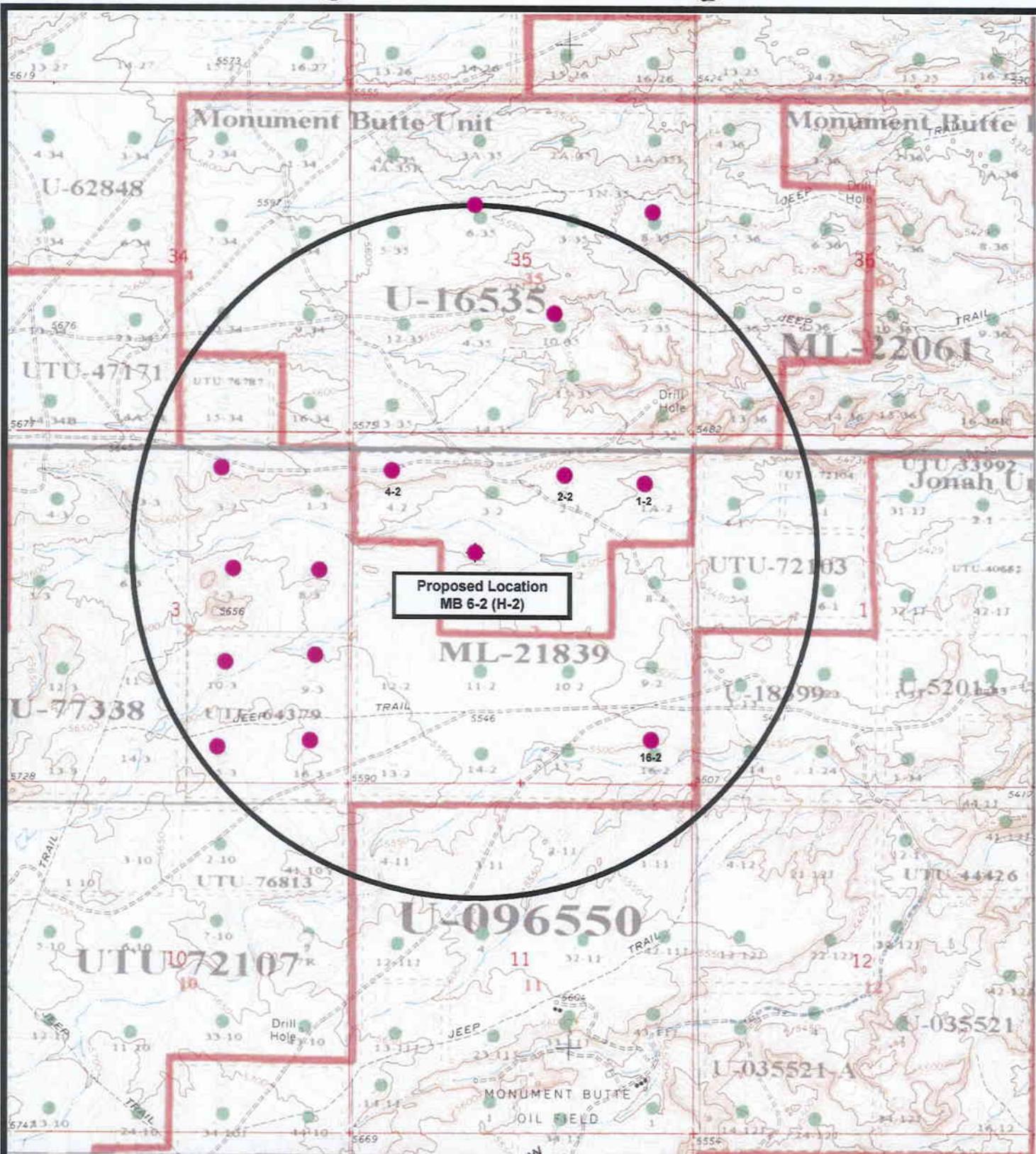
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

- Roads
- Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**





 **NEWFIELD**  
Exploration Company

**Monument Butte 6-2-9-16 (H-2)**  
**SEC. 2, T9S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-23-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

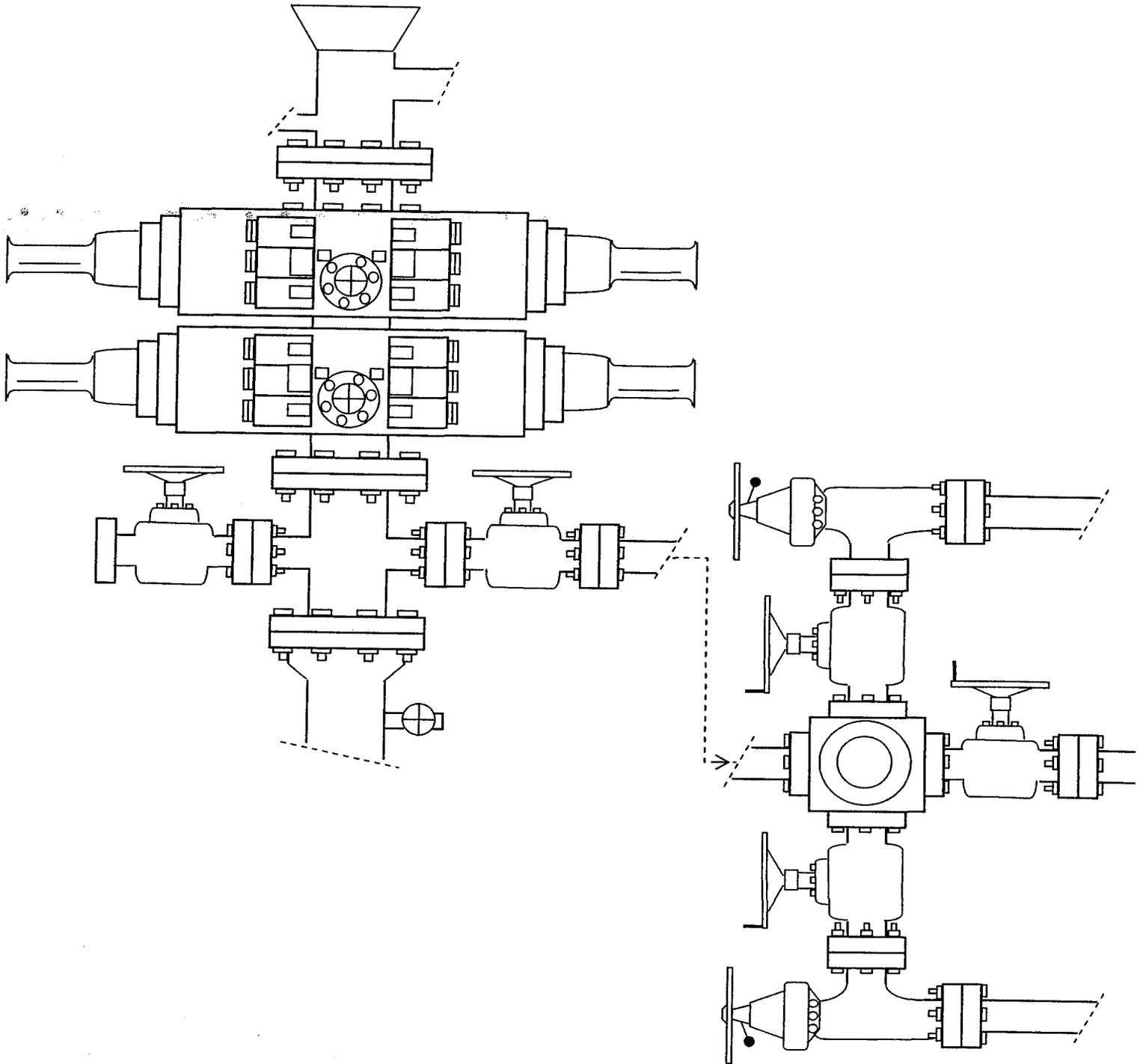


EXHIBIT C

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/23/2006

API NO. ASSIGNED: 43-013-33218
--------------------------------

WELL NAME: MONUMENT BUTTE ST H-2-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 02 090S 160E  
 SURFACE: 1835 FNL 1968 FWL  
 BOTTOM: 1322 FNL 2638 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.06208 LONGITUDE: -110.0884  
 UTM SURF EASTINGS: 577747 NORTHINGS: 4434836  
 FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DWD	7/28/06
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-21839  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. B001834 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

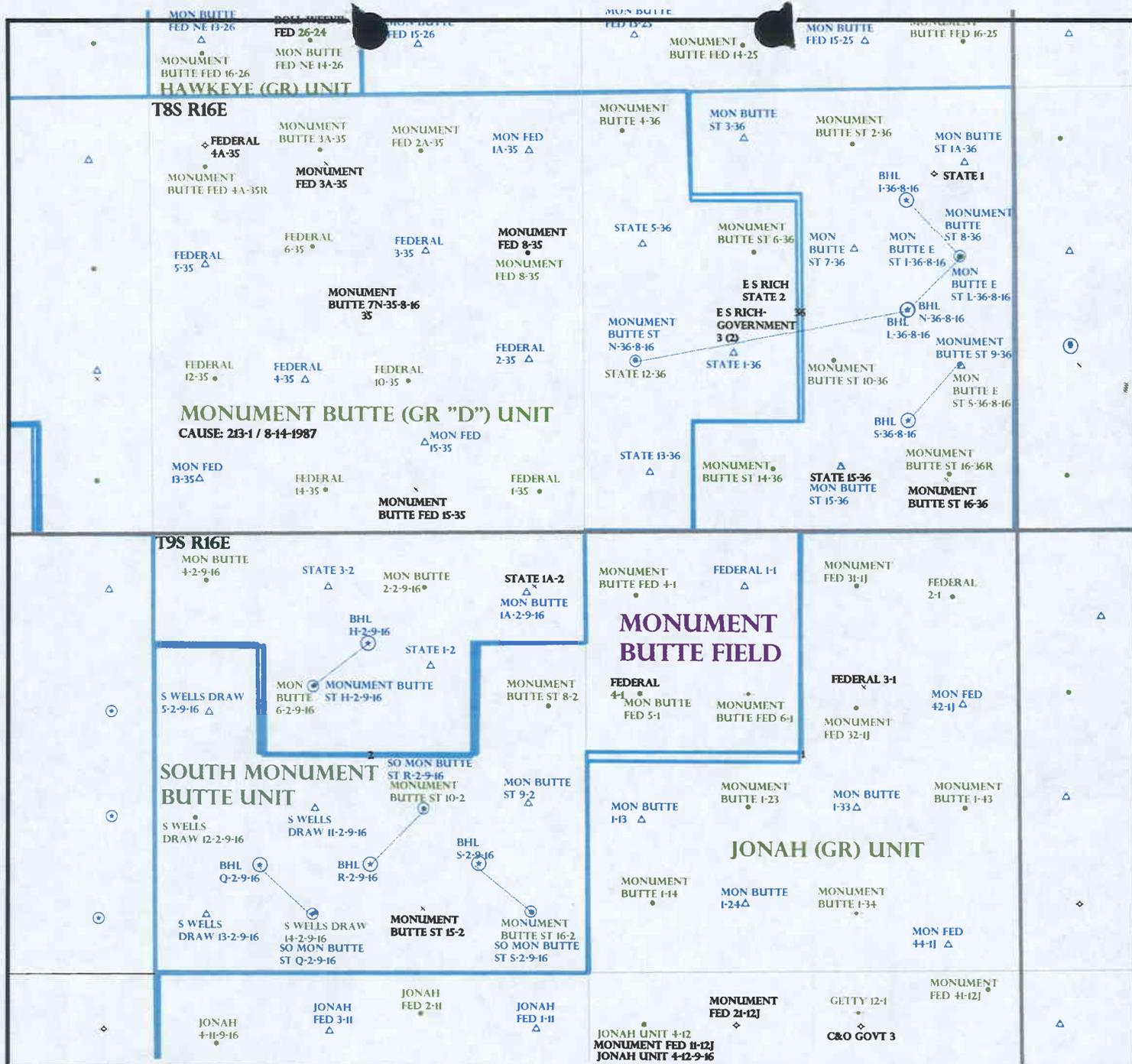
- R649-2-3.
- Unit: MONUMENT BUTTE (GR D)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 213-1  
Eff Date: 8-14-1987  
Siting: 460' fr u ldr g & 920' fr other wells.
- R649-3-11. Directional Drill

COMMENTS:

Needs Permit (07-13-06)

STIPULATIONS:

1- STATEMENT OF BASIS



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 2 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

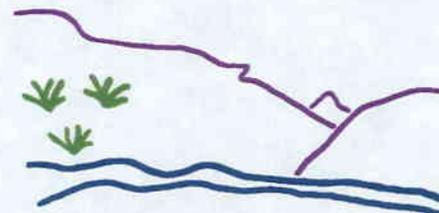
COUNTY: DUCHESNE

CAUSE: 213-1 / 8-14-1987

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 14-JULY-2006

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** Newfield Production Company

**WELL NAME & NUMBER:** Monument Butte State #H-2-9-16

**API NUMBER:** 43-013-33218

**LOCATION:** 1/4,1/4 SE/NW Sec: 2 TWP: 09S RNG: 16E 1835 FNL 1968 FWL

**Geology/Ground Water:**

Newfield proposes to set 290' 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 proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water and nearby wells.

**Reviewer:** Brad Hill

**Date:** 07/19/06

**Surface:**

Richard Powell did schedule this presite with Newfield and was therefore the person who contacted SITLA and UDWR regarding the meeting date and time. SITLA did not attend, as this well is staked on an existing location with the new disturbance located in previously disturbed lands. Newfield plans to re-open the same reserve pit area that was utilized to drill the Monument Butte 6-2-9-16 well. The operator has requested they be allowed to drill without a pit liner under the Methods of Handling Waste Disposal Plan. As stated, if insufficient fine clay or silt is not present, or if water is encountered during the surface hole drilling they should line the pit. Furthermore, the reserve pit is shown in cut. The operator shall take any preventative actions to prevent any leaks from this pit and assure stability. This is a directional well with the bottom hole location set for NW, 1322' FNL; 2638' FWL on twenty acre spacing. There were no other issues noted during the presite meeting.

**Reviewer:** Dennis L Ingram

**Date:** July 17, 2006

**Conditions of Approval/Application for Permit to Drill:**

None

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

OPERATOR: Newfield Production Company  
WELL NAME & NUMBER: Monument Butte State #H-2-9-16  
API NUMBER: 43-013-33218  
LEASE: ML-21839 STATE FIELD/UNIT: Monument Butte  
LOCATION: 1/4, 1/4 SE/NW Sec: 2 TWP: 09S RNG: 16E 1835 FNL 1968 FWL  
LEGAL WELL SITING: 460' from unit boundary and 920 from another well.  
GPS COORD (UTM): X =0577754 E; Y =4434942 N SURFACE OWNER: SITLA

**PARTICIPANTS**

Dennis L Ingram (DOGM) Ben Williams (UDWR) Shon Mckinnon (Newfield)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Proposed approximately 10.0 miles south of Myton, Utah on an existing pad, the Monument Butte #6-2-9-16. This well stakes up 1.5 miles north of Castle Peak Draw and is centrally located between the Wells Draw and the Pleasant Valley Roads. The elevation in this region drops northeast and drains toward Pleasant Valley, from broad ridge or table top type habitat. Wells Draw is located approximately 2.0 +/- miles northwest of this site.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Existing oil well, the 6-2-9-16

PROPOSED SURFACE DISTURBANCE: Existing location with new dirt work into previously remediated lands,

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: There are 44 injector or oil wells within a one mile radius

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Existing tanks and production facilities already on location, a pump jack will added along with a short flowlines.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed material

ANCILLARY FACILITIES: None requested

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS?  
(EXPLAIN): NO

**WASTE MANAGEMENT PLAN:**

Submitted to the Division with the Application to Drill

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Shadscale community, sparse; antelope range, coyote and rabbit.

SOIL TYPE AND CHARACTERISTICS: Light tan sandy loam with some clays present and underlying sandstone

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation

EROSION/SEDIMENTATION/STABILITY: existing location, little or no new erosion problems or sedimentation, no stability problems.

PALEONTOLOGICAL POTENTIAL: Previously disturbed surface, none observed

**RESERVE PIT**

CHARACTERISTICS: Proposed on the south side of location in previously disturbed reserve pit, in cut and measuring 80'x 40'x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points, level II and optional pit liner, doesn't need liner if clays and silt is present.

**SURFACE RESTORATION/RECLAMATION PLAN**

Reshape, contour and seed surface unless otherwise authorized by SITLA

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Previously done, no new disturbance outside of the old reclamation.

**OTHER OBSERVATIONS/COMMENTS**

Broad east west ridge, drainage to north and south that comes together east of location, no surface water in area, existing pad,

**ATTACHMENTS**

Photos of this location were taken and placed on file.

Dennis L Ingram  
DOGM REPRESENTATIVE

July 13, 2006 10:00 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

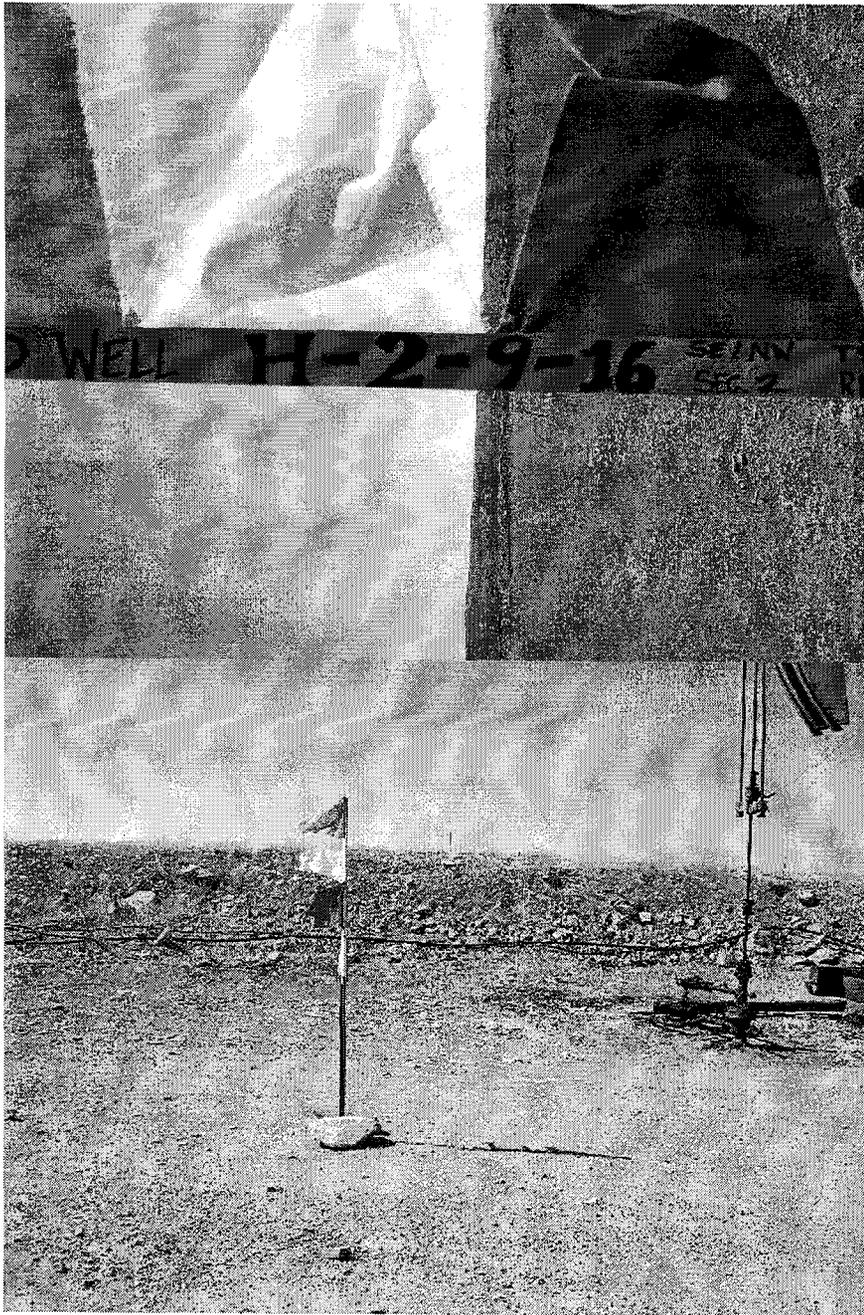
<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>15</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

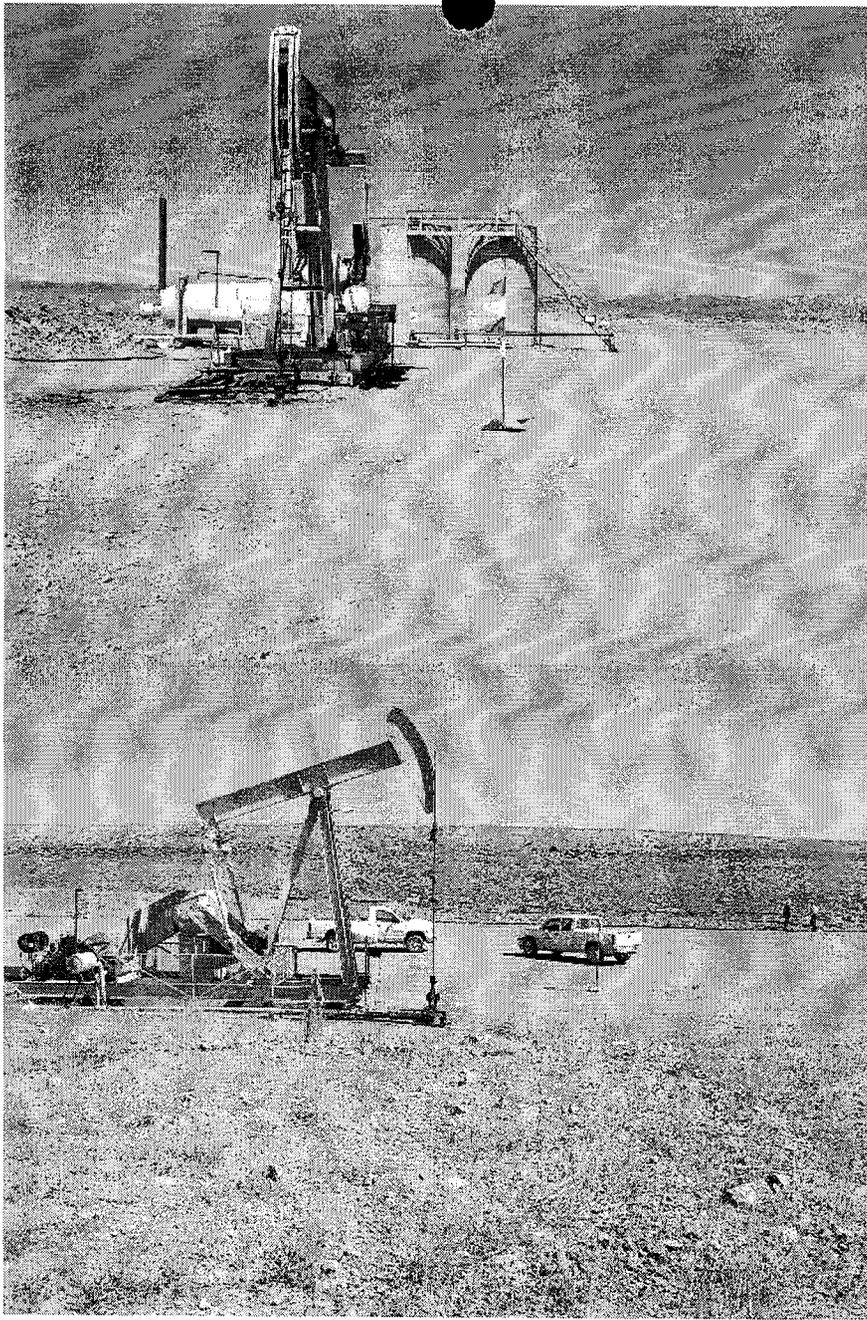
**Final Score**      15      (Level II Sensitivity)

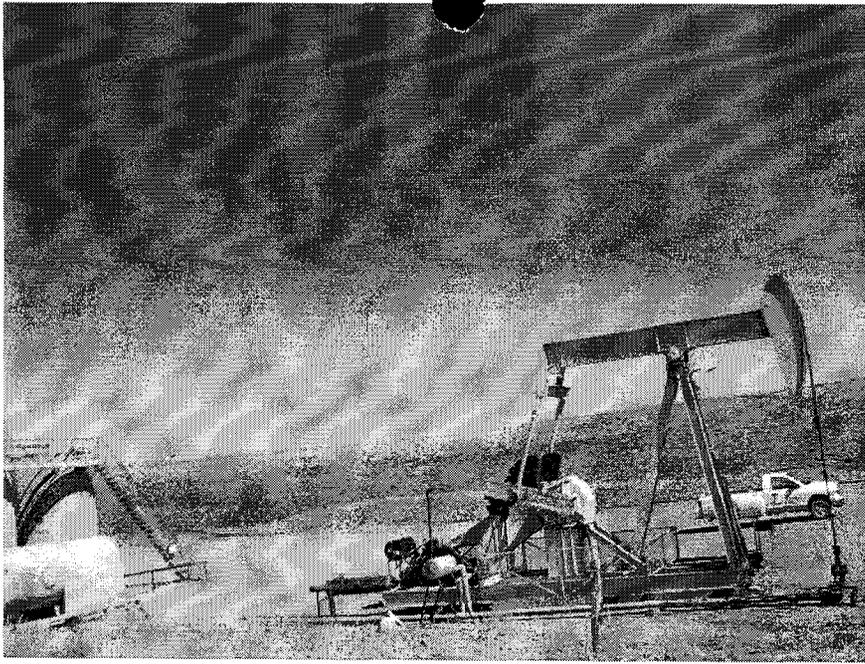
Sensitivity Level I = 20 or more: total containment is required, consider criteria for excluding pit use.

Sensitivity Level II = 15-19: lining is discretionary.

Sensitivity Level III = below 15: no specific lining is required.







07-06 Newfield Monument Butte St H-2-9-16

Casing Schematic

Uceta

Surface

8-5/8"  
MW 8.4  
Frac 19.3

TOC @ 0.  
TOC @ 0.  
Surface  
290. MD  
290. TVD

✓ w/12% Washcoat

BHP

$(.050)(6363)(8.6) = 2845$

Anticipate 2,000

G<sub>0</sub>

$(.12)(6363) = 763$

MASP = 2082

Fluid

$(.22)(6363) = 1399$

MASP = 1446

BoPE 2,000 ✓

Surf csg - 2950

70% = 2065

Max pressure @ Surf csg shoe = 1509

Test to 1509# ✓

✓ Adequate D<sub>2</sub>O 7/22/04

500 BMSJ

1700  
Green River

3582  
To c Tail

✓ w/11% Washcoat

5-1/2"  
MW 8.6

Production  
6424. MD  
6363. TVD

Well name:	<b>07-06 Newfield Monument Butte St H-2-9-16</b>	
Operator:	<b>Newfield Production Company</b>	
String type:	<b>Surface</b>	Project ID: 43-013-33218
Location:	<b>Duchesne County</b>	

**Design parameters:**

**Collapse**

Mud weight: 8.400 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: 75 °F  
Bottom hole temperature: 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 255 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 290 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: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 253 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,363 ft  
Next mud weight: 8.600 ppg  
Next setting BHP: 2,842 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 290 ft  
Injection pressure 290 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)	Internal Capacity (ft³)
1	290	8.625	24.00	J-55	ST&C	290	290	7.972	14
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	127	1370	10.826	290	2950	10.17	6	244	40.12 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 26, 2006  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.4 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.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**07-06 Newfield Monument Butte St H-2-9-16**

Operator: **Newfield Production Company**

String type: **Production**

Project ID:

43-013-33218

Location: **Duchesne County**

**Design parameters:**

**Collapse**

Mud weight: 8.600 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 164 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 639 psi  
Internal gradient: 0.346 psi/ft  
Calculated BHP 2,842 psi

No backup mud specified.

**Tension:**

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

**Directional well information:**

Kick-off point 0 ft  
Departure at shoe: 830 ft  
Maximum dogleg: 1.5 °/100ft  
Inclination at shoe: 8.62 °

Tension is based on buoyed weight.

Neutral point: 5,587 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)	Internal Capacity (ft³)
1	6424	5.5	15.50	J-55	LT&C	6363	6424	4.825	201.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2842	4040	1.421	2842	4810	1.69	86	217	2.53 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 26,2006  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6363 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

*Engineering responsibility for use of this design will be that of the purchaser.*

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

July 28, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2006 Plan of Development Monument Butte Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33218	Monument Butte St H-2-9-16	Sec 2 T09S R16E 1835 FNL 1968 FWL BHL Sec 2 T09S R16E 1322 FNL 2638 FWL
43-013-33223	Monument Butte St N-36-8-16	Sec 36 T08S R16E 2064 FSL 0639 FWL BHL Sec 36 T08S R16E 2654 FSL 1313 FWL

These wells are part of a 20 acre infill program in the Greater Monument Butte Field. Telephone conversation with Kelly Donohue, Newfield, indicated that they will apply for exceptions to the locating and siting requirements of the State of Utah (R649-3-2) on a well by well basis. Newfield is currently scheduled to seek relief on a unit basis at the September meeting of the Board of Oil Gas and Mining.

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:7-28-06

**NEWFIELD**



ROCKY MOUNTAINS

October 3, 2006

Ms. Diana Whitney  
State of Utah, Div. of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Monument Butte Unit UT080P49-8861680  
Various Wells & Locations (See Attached)  
Duchesne County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Monument Butte Unit UT080P49-8861680. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Monument Butte Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Monument Butte Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

**Newfield Production Company**

Rhonda Deimer  
Land Associate

Enclosures

**RECEIVED**

**OCT 10 2006**

DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

October 10, 2006

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Monument Butte State H-2-9-16 Well, 1835' FNL, 1968' FWL, SE NW,  
Sec. 2, T. 9 South, R. 16 East, Bottom Location 1322' FNL, 2638' FWL,  
SE NW, Sec. 2, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-013-33218.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
SITLA  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Monument Butte State H-2-9-16  
API Number: 43-013-33218  
Lease: ML-21839

Location: SE NW Sec. 2 T. 9 South R. 16 East  
Bottom Location: SE NW Sec. 2 T. 9 South R. 16 East

### Conditions of Approval

#### 1. 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.

#### 2. Notification Requirements

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

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. 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.

5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

**DIVISION OF OIL, GAS AND MINING**

***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: MONUMENT BUTTE ST H-2-9-16

Api No: 43-013-33218 Lease Type: STATE

Section 02 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRLG RIG # 24

**SPUDDED:**

Date 02/07/07

Time 3:30 PM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 02/08/2007 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
BYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	89999	13269	43-013-32965	S WELLS DRAW 8-3-9-16	SE/NE	3	9S	16E	DUCHESNE	2/20/2007	2/22/07
WELL 1 COMMENTS: <i>GRRV</i>											
A	99999	15944	43-047-38613	HANCOCK 3-26-4-1	NE/NW	26	4S	1E	UINTAH	2/17/2007	2/22/07
WELL 2 COMMENTS: <i>GRRV</i>											
A	99999	15945	43-047-38601	HANCOCK 13-23-4-1	SW/SW	23	4S	1E	UINTAH	2/16/2007	2/22/07
WELL 3 COMMENTS: <i>GRRV</i>											
A	99999	15946	43-013-32957	FEDERAL S WELLS DRAW 6-9-9-16	SE/NW	9	9S	16E	DUCHESNE	2/19/2007	2/22/07
WELL 4 COMMENTS: <i>GRRV</i>											
B	99999	13195	43-013-33218	MON BUTTE STATE H-2-9-16	SE/NW	2	9S	16E	DUCHESNE	2/7/2007	2/22/07
WELL 5 COMMENTS: <i>GRRV BHL = NW</i>											
WELL 6 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - entity for new well (single well only)
  - B - to existing entity (group or unit well)
  - C - use existing entity to spot or existing well by
  - D - use an existing entity to a new entity
  - E - split's in component sections

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

RECEIVED RECEIVED  
FEB 21 2007 FEB 21 2007

DIV. OF OIL, GAS & MINING  
D.V. OF OIL, GAS & MINING

*Lana Nebeker*  
Signature  
LANA NEBEKER  
Production Analyst  
Date February 21, 2008

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Monument Butt State H-2-9-16

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

MON BUTTE UNIT

8. WELL NAME and NUMBER:

MONUMENT BUTTE STATE H-2-9-16

9. API NUMBER:

4301333218

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

1. TYPE OF WELL:

OIL WELL  GAS WELL  OTHER UNKNOWN

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: 1835 FNL 1968 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 2, T9S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>02/16/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

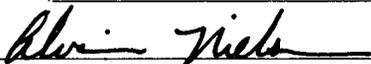
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 2/7/07 MIRU Ross Rig # 24. Spud well @ 3:30 PM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.67 KB On 2/13/07 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 0 bbls cement to pit. Cement was 66 1/2' down. Come back on 2/15/07 run 66' of 1" pipe in hole & pumped 200 sks Class " G " neat cement no returns to pit waited 4 hrs on cement. Run 60' of 1" back in hole and pumped 175 sks of class " G " neat cement w/ 3% CaCL2. We did get cement to surface & it stayed. WOC.

NAME (PLEASE PRINT) Alvin Nielsen

TITLE Drilling Foreman

SIGNATURE



DATE 02/16/2007

(This space for State use only)

**RECEIVED**  
**FEB 22 2007**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

\_\_\_\_\_ 8 5/8 CASING SET AT \_\_\_\_\_ 324.67 \_\_\_\_\_

LAST CASING 8 5/8" set @ 324.67  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL MB State H-2-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.41'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.82
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			314.67
TOTAL LENGTH OF STRING		314.67	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>324.67</b>
TOTAL		312.82	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		312.82	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	2/7/2007	3:30 PM	GOOD CIRC THRU JOB			NO
CSG. IN HOLE		2/9/2007	2:00 PM	Bbls CMT CIRC TO SURFACE			NONE
BEGIN CIRC		2/13/2007	11:58 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		2/13/2007	12:34 PM				
BEGIN DSPL. CMT		2/13/2007	12:47 PM	BUMPED PLUG TO			Did not bump plug _____ PSI
PLUG DOWN		2/13/2007	12:54 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
2-3-4-5	375	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
		Job 3& 4&5 had 3% CaCL2, We 1" 375 sx to top it off					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Alvin Nielse DATE 2/16/2007

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Monument Butte State # H-2-9-16

API number: 43-013-33218

Well Location: QQ SE/NE Section 2 Township 9S Range 16E County Duchesne

Well operator: Newfield Production company

Address: Rt. #3 Box 3630

city Milton state Utah zip 84052

Phone: 435-646-3721

Drilling contractor: Leon Ross Drilling Rig #24

Address: Po Box 757

city Roosevelt state Utah zip 84066

Phone: 435-722-4469

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
at 70'	75'	30 GPM	Fresh

Formation tops: (Top to Bottom)

1	<u>Surface</u>	2	_____	3	_____
4	_____	5	_____	6	_____
7	_____	8	_____	9	_____
10	_____	11	_____	12	_____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Alvin Nielsen

TITLE Drilling Farmer

SIGNATURE Alvin Nielsen

DATE 2/16/07

RECEIVED

FEB 22 2007

DIV. OF OIL, GAS & MINING

Analytical Laboratory Report for:  
**NEWFIELD PRODUCTION COMPANY**



**Chemical Services**

Account Representative:  
Mecham, Kelly

## Production Water Analysis

Listed below please find water analysis report from: Run B, MON BUTTE STATE H-2-9-16

Lab Test No: 2007400436      Sample Date: 02/15/2007  
Specific Gravity: 1.003  
TDS: 2412  
pH: 7.10

Cations:	mg/L	as:
Calcium	640	(Ca <sup>++</sup> )
Magnesium	48.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	6.60	(Fe <sup>++</sup> )
Manganese	4.80	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	366	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	1100	(SO <sub>4</sub> <sup>-</sup> )
Chloride	247	(Cl)
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

Alvin 823-7468

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Monument Butte State # H-2-9-16

API number: 43-013-33218

Well Location: QQ SE/NW Section 2 Township 9S Range 16E County Duchesne

Well operator: Newfield Production company

Address: Rt. #3 Box 3630

city Myton state Utah zip 84052

Phone: 435-646-3721

Drilling contractor: Leon Ross Drilling Rig #24

Address: Po Box 757

city Roosevelt state Utah zip 84066

Phone: 435-722-4469

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
at 70'	75'	30 GPM	Fresh

Formation tops: (Top to Bottom)

1	<u>Surface</u>	2	_____	3	_____
4	_____	5	_____	6	_____
7	_____	8	_____	9	_____
10	_____	11	_____	12	_____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Alvin Nielsen  
 SIGNATURE Alvin Nielsen

TITLE Drilling Foreman  
 DATE 2/16/07

RECEIVED  
 FEB 22 2007  
 DIV. OF OIL, GAS & MINING

Analytical Laboratory Report for:

**NEWFIELD PRODUCTION COMPANY**



**Chemical Services**

Account Representative:  
Mecham, Kelly

## Production Water Analysis

Listed below please find water analysis report from: Run B, MON BUTTE STATE H-2-9-16

Lab Test No: 2007400436      Sample Date: 02/15/2007  
Specific Gravity: 1.003

TDS: 2412  
pH: 7.10

Cations:	mg/L	as:
Calcium	640	(Ca <sup>++</sup> )
Magnesium	48.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	6.60	(Fe <sup>++</sup> )
Manganese	4.80	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	366	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	1100	(SO <sub>4</sub> <sup>-2</sup> )
Chloride	247	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

Alvin 823-7468

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTAH STATE ML-21839

**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:  
MON BUTTE UNIT

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER UNKNOWN

8. WELL NAME and NUMBER:  
MONUMENT BUTTE STATE H-2-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333218

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1835 FNL 1968 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 2, T9S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>03/11/2007</u>	<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 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.

On 3/2/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 278'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,336. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 142 jt's of 5.5 J-55, 15.5# csgn. Set @ 6333.22' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 39 bbls cement returned to pit. Nipple down Bop's. Drop slips @94,000 #'s tension. Release rig 11:00 PM on 3/9/07.

NAME (PLEASE PRINT) Alvin Nielsen

TITLE Drilling Foreman

SIGNATURE *Alvin Nielsen*

DATE 03/11/2007

(This space for State use only)

**RECEIVED**  
**MAR 14 2007**  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING SET AT 6333.22

Flt clr @ 6290.02

LAST CASING 8 5/8" SET # 324.67'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL MB State H-2-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI #2

TO DRILLER 6336 Loggers 6351

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt</b> 4005' (5.97')					
142	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6276.02
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	43.95
		<b>GUIDE</b> shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	6335.22
TOTAL LENGTH OF STRING	6335.22	143	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	311.7	7	CASING SET DEPTH	<b>6333.22</b>

<b>TOTAL</b>	<b>6631.67</b>	150	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	6631.67	150	
TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	3/9/2007	11:30 AM	GOOD CIRC THRU JOB <u>YES</u>
CSG. IN HOLE	3/9/2007	2:30 PM	Bbls CMT CIRC TO SURFACE <u>39</u>
BEGIN CIRC	3/9/2007	2:30 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>
BEGIN PUMP CMT	3/9/2007	4:56 PM	DID BACK PRES. VALVE HOLD ? _____
BEGIN DSPL. CMT	3/9/2007	6:00 PM	BUMPED PLUG TO <u>2199</u> PSI
PLUG DOWN	3/9/2007	6:26 PM	

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	350	Premilite II w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Alvin Nielsen DATE 3/9/2007

**RECEIVED**  
**MAR 14 2007**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

USA UTU-77369

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 5-20-9-17

9. API Well No.

4301333224

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1981 FNL 723 FWL

SWNW Section 20 T9S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 3/14/07 MIRU Newfield Rig #3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5700'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 130 jt's of 5.5 J-55, 15.5# csgn. Set @ 5690' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Circulated 20 bbl cmt to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig @ 3:00 AM 3/24/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Johnny Davis

Signature



Title

Drilling Foreman

Date

03/24/2007

Approved by

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

Title

Date

Office

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 and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

MAR 27 2007

DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-21839
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT
8. WELL NAME and NUMBER: MONUMENT BUTTE STATE H-2-9-16
9. API NUMBER: 4301333218
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER UNKNOWN	
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: 1835 FNL 1968 FWL	
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 2, T9S, R16E	

COUNTY: DUCHESNE  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <u>04/09/2007</u>	<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 type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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 type="checkbox"/> OTHER: -
	<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.

Formation water is produced 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.

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

Date: 04-11-07  
By: [Signature]

COPIES SENT TO OPERATOR  
DATE: 4-12-07  
BY: Rm

NAME (PLEASE PRINT) <u>Mandie Crozier</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE <u>[Signature]</u>	DATE <u>04/10/2007</u>

(This space for State use only)

**RECEIVED**  
**APR 11 2007**  
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE ML-21839

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

MON BUTTE 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

8. WELL NAME and NUMBER:

MONUMENT BUTTE STATE H-2-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333218

3. ADDRESS OF OPERATOR:

PHONE NUMBER

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1835 FNL 1968 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 2, T9S, R16E

STATE: UT

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

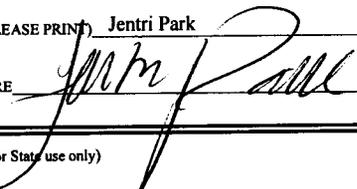
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  05/08/2007	<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 type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 04/09/07, attached is a daily status completion report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 05/08/2007

(This space for State use only)

**RECEIVED**  
**MAY 17 2007**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**MON BT H-2-9-16**

2/1/2007 To 6/30/2007

**3/29/2007 Day: 1**

**Completion**

Rigless on 3/28/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6255' & cement top @ Surface. Perforate stage #1, CP5 sds @ 6074-6082' w/ 3-1/8" Slick Guns (23 gram, .49"HE. 120°) w/ 4 spf for total of 32 shots. 150 bbls EWTR. SIFN.

**4/4/2007 Day: 2**

**Completion**

Rigless on 4/3/2007 - RU BJ Services. 42 psi on well. Frac CP5 sds w/ 19,231#'s of 20/40 sand in 314 bbls of Lightning 17 fluid. Broke @ 1915 psi. Treated w/ ave pressure of 2211 psi @ ave rate of 20.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2074 psi. Leave pressure on well. 464 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 10' & 14' perf gun. Set plug @ 5920'. Perforate CP1 sds @ 5798- 5822' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 96 shots. RU BJ Services. 1451 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. 1355 psi on well. Frac CP5 sds w/ 80,287#'s of 20/40 sand in 617 bbls of Lightning 17 fluid. Broke @ 3417 psi. Treated w/ ave pressure of 1667 psi @ ave rate of 20 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1944 psi. Leave pressure on well. 1081 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 7' perf gun. Set plug @ 5135'. Perforate D3 sds @ 5024- 31' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 1537 psi on well. Frac D3 sds w/ 19,903#'s of 20/40 sand in 290 bbls of Lightning 17 fluid. Broke @ 3079 psi. Treated w/ ave pressure of 2283 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2091 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 4' perf gun. Set plug @ 4980'. Leave pressure on well. 1371 BWTR.

**4/5/2007 Day: 3**

**Completion**

Western #4 on 4/4/2007 - RU BJ Services. 1695 psi on well. Frac D1 sds w/ 81,974#'s of 20/40 sand in 618 bbls of Lightning 17 fluid. Broke @ 3870 psi. Treated w/ ave pressure of 2070 psi @ ave rate of 25.1 BPM. ISIP 2280 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & turned to oil. Rec. 300 BTF. MIRU Western #4. Shut in well. Pressure build up to 1100 psi. RU Perforators LLC truck & lubricator. RIH w/ Weatherford 5 1/2" solid composite plug. Set plug @ 4850'. RD WL. ND Cameron BOP & 5M WH. NU 3M WH & Weatherford BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 146 jts of 2 7/8" J-55 tbg. EOT @ 4832'. Circulate well clean. SIWFN w/ 1689 BWTR.

**4/9/2007 Day: 4**

**Completion**

Western #4 on 4/8/2007 - RU Nabors power swivel. Drill out plugs & circulate sand. Solid kill plug @ 4850', Drilled up in 20 mins, 1100 psi under plug. Con't drilling as well flowed. Solid plug @ 4980', Sand @ 4931' Drilled up in 27 mins. Well flowing w/ heavy sand Circulate for 30 mins. Flow through plug @ 5135', Drilled up in 17 mins. Flow through plug @ 5920', Drilled up in 18 mins. Tagged fill @ 6182', C/O to PBTD

@ 6288'. RD Nabors Power swivel. LD 4 jts of tbg. EOT @ 6154'. Well flowed 35 BW & died. RU swab equipment. IFL @ surface. Made 8 runs, Rec 101 BTF. FFL @ 700'. Trace of oil, No sand. RD swab equipment. Pumped 25 BW down tbg. TIH w/ 4 jts of tbg. No fill. LD 4 jts of tbg. TOH w/ 40 jts of tbg. EOT @ 4832'. SIWFN w/ 1538 BWTR.

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4/10/2007 Day: 5

Completion

Western #4 on 4/9/2007 - 900 psi on well. Bled off pressure, Flowed 12 bbls of fluid. Circulate oil & gas out by pumping 25 bbls of wtr down tbg. TOH W/ 146 jts of tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jts tbg, new 5 1/2" TA (45K) & 183 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 6059' W/ SN @ 6095' & EOT @ 6163'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: 2 1/2" X 1 1/2" X 20' RHAC pump, 4-1 1/2" weight rods, 239-7/8" scraped rods(8 per), 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 800 psi. Good pump action. RD MOSU. Est 1551 BWTR. Place well on production @ 5:00 PM 4/9/2007 W/ 122" SL @ 4 SPM. Final Report!!!!

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Pertinent Files: Go to File List

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

**ML-21839**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NA**

**1a. TYPE OF WORK**

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

**1b. TYPE OF WELL**

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME  
**Monument Butte**

8. FARM OR LEASE NAME, WELL NO.  
**Monument Butte H-2-9-16**

**2. NAME OF OPERATOR**

**Newfield Exploration Company**

9. WELL NO.  
**43-013-33218**

**3. ADDRESS AND TELEPHONE NO.**

**1401 17th St. Suite 1000 Denver, CO 80202**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

**4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\***

At Surface **1322' FNL & 2638' FWL (SE/NW) Sec. 2, T9S, R16E**  
At top prod. Interval reported below **1835 fml 1968 fwl**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 2, T9S, R16E**

**At total depth**

**1290 fml 2599 fwl**

**14. API NO.**

**43-013-33218**

**DATE ISSUED**

**10/10/06**

**12. COUNTY OR PARISH**

**Duchesne**

**13. STATE**

**UT**

**15. DATE SPUNDED**

**02/07/07**

**16. DATE T.D. REACHED**

**03/09/07**

**17. DATE COMPL. (Ready to prod.)**

**04/09/07**

**18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\***

**5491' GL**

**19. ELEV. CASINGHEAD**

**5503' KB**

**20. TOTAL DEPTH, MD & TVD**

**6336'**

**21. PLUG BACK T.D., MD & TVD**

**6288'**

**22. IF MULTIPLE COMPL., HOW MANY\***

**6207**

**23. INTERVALS DRILLED BY**

**----->**

**ROTARY TOOLS**

**X**

**CABLE TOOLS**

**24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\***

**Green River 4902'-6082'**

**25. WAS DIRECTIONAL SURVEY MADE**

**No**

**26. TYPE ELECTRIC AND OTHER LOGS RUN**

**Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log**

**27. WAS WELL CORED**

**No**

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	325'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6333'	7-7/8"	350 sx Premlite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5726'	TA @ 5596'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
(CP5) 6074'-6082'	.49"	4/32	6074'-6082'	Frac w/ 19,231# 20/40 sand in 314 bbls fluid
(CP1) 5798'-5822'	.43"	4/96	5798'-5822'	Frac w/ 80,287# 20/40 sand in 617 bbls fluid
(D3) 5024'-5031'	.43"	4/28	5024'-5031'	Frac w/ 19,903# 20/40 sand in 290 bbls fluid
(D1) 4920'-4932', 4902'-4906'	.43"	4/64	4902'-4932'	Frac w/ 81,974# 20/40 sand in 618 bbls fluid

**33.\* PRODUCTION**

<b>DATE FIRST PRODUCTION</b> 04/09/07		<b>PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)</b> 2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump				<b>WELL STATUS (Producing or shut-in)</b> PRODUCING	
<b>DATE OF TEST</b> 10 day ave	<b>HOURS TESTED</b>	<b>CHOKE SIZE</b>	<b>PROD'N. FOR TEST PERIOD</b> ----->	<b>OIL--BBL.</b> 52	<b>GAS--MCF.</b> 73	<b>WATER--BBL.</b> 58	<b>GAS-OIL RATIO</b> 1404
<b>FLOW. TUBING PRESS.</b>	<b>CASING PRESSURE</b>	<b>CALCULATED 24-HOUR RATE</b> ----->	<b>OIL--BBL.</b>	<b>GAS--MCF.</b>	<b>WATER--BBL.</b>	<b>OIL GRAVITY-API (CORR.)</b>	

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)**

**Sold & Used for Fuel**

TEST WITHIN \_\_\_\_\_ BY **RECEIVED**

**35. LIST OF ATTACHMENTS**

**MAY 17 2007**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records**

SIGNED \_\_\_\_\_  
Jentri Park

TITLE **Production Clerk**

**DIV. OF OIL, GAS & MINING 5/10/2007**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Monument Butte H-2-9-16	Garden Gulch Mkr	3849'	
				Garden Gulch 1	4064'	
				Garden Gulch 2	4188'	
				Point 3 Mkr	4452'	
				X Mkr	4716'	
				Y-Mkr	4751'	
				Douglas Creek Mkr	4876'	
				BiCarbonate Mkr	5130'	
				B Limestone Mkr	5264'	
				Castle Peak	5742'	
				Basal Carbonate	6170'	
				Wasatch	6295'	
				Total Depth (LOGGERS)	6351'	



Scientific Drilling

### Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

RE: <u>                    Newfield Exploration Co.                    </u>	<b>Operator</b>
<u>                    Monument Butte H-2-9-16                    </u>	<b>Well Name &amp; No.</b>
<u>                    Duchesne County, ut                    </u>	<b>County &amp; State</b>
<u>                    41DEF0703181                    </u>	<b>SDI Job No.</b>

I,                     Julie Cruse                    , having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of           349           feet to a measured depth of           6336           feet is true and correct as determined from all available records.

                    Julie Cruse                      
Signature

                    Rockies Region Engineer                      
Title

                    Scientific Drilling International                      
Company

State of :                     Wyoming                     }

} ss

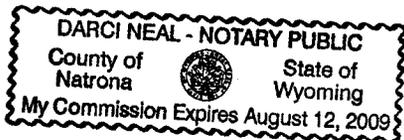
County of :                     Natrona                     }

On this 16th day of March, 2007, before me personally appeared                     Julie Cruse                     to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

                    Darci Neal                      
Notary Public

                    Aug 12, 2009                      
My Commission Expires

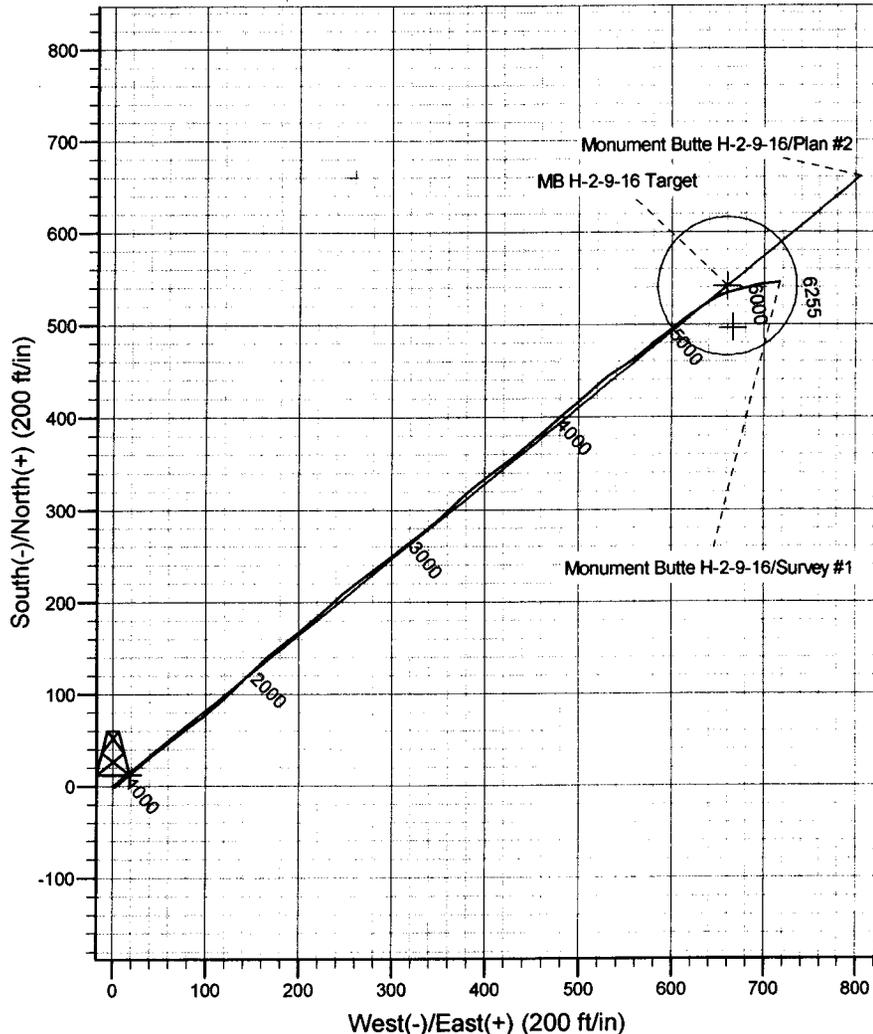
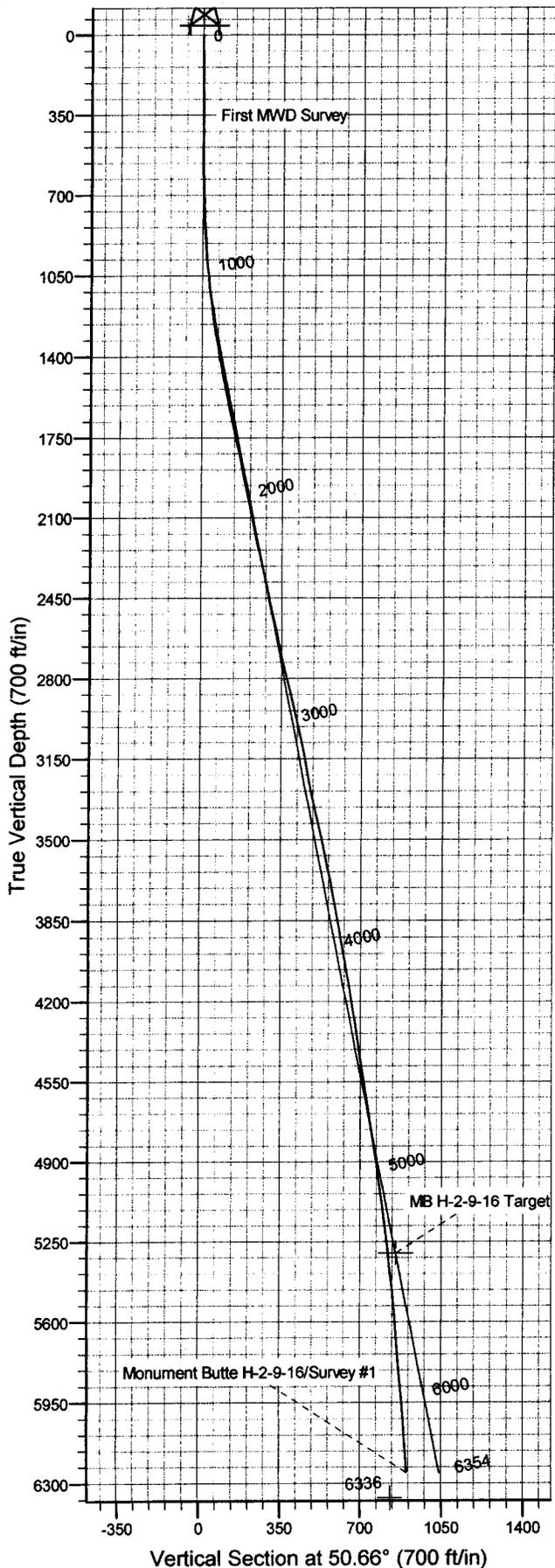




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
 Site: Monument Butte H-2-9-16  
 Well: Monument Butte H-2-9-16  
 Wellbore: OH  
 Design: OH

**Newfield Exploration Co.**



**WELL DETAILS: Monument Butte H-2-9-16**

+N-S	+E-W	Ground Level:	GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)	Slot	
		Northing	Easting	Latitude	Longitude
0.00	0.00	7194479.99	2035308.95	40° 3' 43.630 N	110° 5' 20.530 W

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well Monument Butte H-2-9-16, True North  
 Vertical (TVD) Reference: GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 Calculation Method: Minimum Curvature  
 Local North: True  
 Location: Sec. 2 T9S R16E

**PROJECT DETAILS: Duchesne County, UT**

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone

**Survey: Survey #1 (Monument Butte H-2-9-16/OH)**

Created By: Julie Cruse Date: 2007-03-11

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Monument Butte H-2-9-16**

**Monument Butte H-2-9-16**

**OH**

**Survey: Survey #1**

## **Standard Survey Report**

**11 March, 2007**

# Scientific Drilling

## Survey Report

<b>Company:</b> Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b> Well Monument Butte H-2-9-16
<b>Project:</b> Duchesne County, UT	<b>TVD Reference:</b> GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)
<b>Site:</b> Monument Butte H-2-9-16	<b>MD Reference:</b> GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)
<b>Well:</b> Monument Butte H-2-9-16	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> OH	<b>Database:</b> MultiUserEDM

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b> Monument Butte H-2-9-16, Sec. 2 T9S R16E					
<b>Site Position:</b>		<b>Northing:</b>	7,194,479.99 ft	<b>Latitude:</b>	40° 3' 43.630 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,035,308.95 ft	<b>Longitude:</b>	110° 5' 20.530 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	0.000 in	<b>Grid Convergence:</b>	0.90 °

<b>Well</b> Monument Butte H-2-9-16, SHL: 1835' FNL, 1968' FWL						
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,194,479.99 ft	<b>Latitude:</b>	40° 3' 43.630 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,035,308.95 ft	<b>Longitude:</b>	110° 5' 20.530 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,491.00 ft

<b>Wellbore</b> OH					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2005-10	2007-02-26	(°)	(°)	(nT)
			11.87	65.92	52,721

<b>Design</b> OH					
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	50.66	

<b>Survey Program</b> Date 2007-03-11					
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
349.00	6,336.00	Survey #1 (OH)	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	
349.00	0.26	111.90	349.00	-0.30	0.73	0.38	0.07	0.07	0.00	
<b>First MWD Survey</b>										
379.00	0.90	123.45	379.00	-0.45	0.99	0.48	2.16	2.13	38.50	
410.00	0.49	154.34	409.99	-0.70	1.25	0.52	1.75	-1.32	99.65	
440.00	0.72	130.31	439.99	-0.94	1.45	0.53	1.13	0.77	-80.10	
471.00	0.87	121.33	470.99	-1.19	1.80	0.64	0.63	0.48	-28.97	
501.00	0.97	65.96	500.99	-1.21	2.23	0.96	2.86	0.33	-184.57	
532.00	0.55	48.61	531.98	-1.00	2.58	1.36	1.53	-1.35	-55.97	
562.00	1.13	73.43	561.98	-0.82	2.97	1.78	2.24	1.93	82.73	
593.00	1.34	47.48	592.97	-0.49	3.53	2.42	1.91	0.68	-83.71	
623.00	1.40	62.42	622.97	-0.08	4.12	3.13	1.20	0.20	49.80	
654.00	1.81	49.56	653.95	0.41	4.82	3.99	1.75	1.32	-41.48	

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte H-2-9-16  
**Well:** Monument Butte H-2-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**  
**Database:**

Well Monument Butte H-2-9-16  
 GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 True  
 Minimum Curvature  
 MultiUserEDM

### 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)
684.00	1.85	44.28	683.94	1.07	5.52	4.95	0.58	0.13	-17.60
715.00	1.51	53.80	714.92	1.66	6.20	5.85	1.42	-1.10	30.71
745.00	2.19	43.21	744.91	2.32	6.91	6.82	2.53	2.27	-35.30
776.00	2.45	45.83	775.88	3.21	7.79	8.06	0.91	0.84	8.45
807.00	2.21	44.43	806.86	4.10	8.69	9.32	0.80	-0.77	-4.52
837.00	3.00	49.46	836.83	5.02	9.69	10.68	2.74	2.63	16.77
868.00	3.09	49.58	867.78	6.09	10.94	12.32	0.29	0.29	0.39
899.00	3.73	49.38	898.73	7.29	12.34	14.17	2.06	2.06	-0.65
931.00	3.85	53.84	930.66	8.60	14.00	16.28	0.99	0.37	13.94
962.00	4.51	50.08	961.58	10.00	15.78	18.54	2.30	2.13	-12.13
993.00	4.79	49.10	992.47	11.63	17.69	21.05	0.94	0.90	-3.16
1,024.00	5.24	50.56	1,023.35	13.37	19.76	23.76	1.51	1.45	4.71
1,055.00	5.41	49.49	1,054.22	15.22	21.97	26.64	0.64	0.55	-3.45
1,087.00	5.57	50.07	1,086.07	17.20	24.30	29.70	0.53	0.50	1.81
1,118.00	6.29	51.39	1,116.91	19.22	26.78	32.90	2.36	2.32	4.26
1,147.00	7.08	49.66	1,145.71	21.37	29.39	36.28	2.81	2.72	-5.97
1,178.00	7.75	49.61	1,176.45	23.96	32.44	40.28	2.16	2.16	-0.16
1,208.00	8.10	51.23	1,206.16	26.60	35.62	44.41	1.38	1.17	5.40
1,239.00	8.49	49.34	1,236.84	29.46	39.06	48.88	1.53	1.26	-6.10
1,270.00	8.61	51.07	1,267.50	32.40	42.60	53.49	0.92	0.39	5.58
1,301.00	8.86	51.84	1,298.14	35.34	46.29	58.20	0.89	0.81	2.48
1,333.00	9.26	50.18	1,329.74	38.51	50.20	63.24	1.49	1.25	-5.19
1,364.00	9.30	51.06	1,360.33	41.68	54.07	68.24	0.48	0.13	2.84
1,395.00	9.65	52.99	1,390.91	44.82	58.09	73.34	1.52	1.13	6.23
1,426.00	10.05	51.65	1,421.45	48.06	62.28	78.64	1.49	1.29	-4.32
1,458.00	10.42	51.70	1,452.94	51.59	66.75	84.32	1.16	1.16	0.16
1,489.00	11.06	50.89	1,483.40	55.20	71.25	90.10	2.12	2.06	-2.61
1,520.00	11.03	52.37	1,513.82	58.89	75.91	96.04	0.92	-0.10	4.77
1,551.00	11.42	53.32	1,544.23	62.53	80.72	102.07	1.39	1.26	3.06
1,583.00	11.63	51.95	1,575.59	66.41	85.80	108.46	1.08	0.66	-4.28
1,613.00	11.69	52.47	1,604.97	70.13	90.59	114.52	0.40	0.20	1.73
1,645.00	12.01	51.56	1,636.29	74.17	95.77	121.09	1.16	1.00	-2.84
1,676.00	12.21	50.32	1,666.60	78.27	100.82	127.59	1.06	0.65	-4.00
1,769.00	11.79	48.45	1,757.56	90.85	115.50	146.92	0.62	-0.45	-2.01
1,864.00	11.66	45.31	1,850.58	104.04	129.59	166.17	0.69	-0.14	-3.31
1,957.00	11.56	44.84	1,941.68	117.26	142.84	184.80	0.15	-0.11	-0.51
2,050.00	12.05	45.66	2,032.71	130.65	156.35	203.74	0.56	0.53	0.88
2,145.00	11.71	50.35	2,125.68	143.73	170.87	223.26	1.08	-0.36	4.94
2,239.00	12.07	52.63	2,217.66	155.78	186.02	242.62	0.63	0.38	2.43
2,331.00	13.40	50.02	2,307.40	168.47	201.84	262.90	1.57	1.45	-2.84
2,423.00	12.66	48.61	2,397.03	181.99	217.57	283.63	0.88	-0.80	-1.53
2,517.00	11.93	47.94	2,488.87	195.31	232.51	303.63	0.79	-0.78	-0.71
2,610.00	11.70	49.85	2,579.90	207.83	246.85	322.66	0.49	-0.25	2.05
2,704.00	12.13	53.11	2,671.88	219.90	262.04	342.06	0.85	0.46	3.47
2,798.00	13.86	52.82	2,763.47	232.63	278.91	363.18	1.84	1.84	-0.31
2,890.00	13.99	52.21	2,852.76	246.11	296.48	385.31	0.21	0.14	-0.66
2,984.00	13.51	52.19	2,944.07	259.80	314.13	407.64	0.51	-0.51	-0.02
3,078.00	12.54	51.41	3,035.65	272.90	330.78	428.82	1.05	-1.03	-0.83
3,173.00	11.63	50.44	3,128.54	285.43	346.23	448.71	0.98	-0.96	-1.02
3,265.00	10.87	44.58	3,218.78	297.51	359.46	466.61	1.49	-0.83	-6.37
3,360.00	12.59	47.02	3,311.79	310.95	373.33	485.85	1.88	1.81	2.57
3,453.00	12.15	50.26	3,402.63	324.12	388.27	505.75	0.88	-0.47	3.48
3,546.00	12.75	53.10	3,493.45	336.54	404.00	525.79	0.92	0.65	3.05
3,639.00	12.26	52.80	3,584.24	348.67	420.07	545.91	0.53	-0.53	-0.32

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte H-2-9-16  
**Well:** Monument Butte H-2-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**  
**Database:**

Well Monument Butte H-2-9-16  
 GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
 True  
 Minimum Curvature  
 MultiUserEDM

### 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)
3,734.00	11.24	51.08	3,677.25	360.59	435.31	565.25	1.14	-1.07	-1.81
3,827.00	11.00	49.29	3,768.50	372.07	449.09	583.19	0.45	-0.26	-1.92
3,921.00	10.41	48.32	3,860.87	383.57	462.23	600.64	0.66	-0.63	-1.03
4,015.00	10.17	48.98	3,953.36	394.66	474.83	617.42	0.28	-0.26	0.70
4,108.00	9.90	48.76	4,044.93	405.32	487.04	633.62	0.29	-0.29	-0.24
4,201.00	9.92	50.40	4,136.54	415.69	499.22	649.62	0.30	0.02	1.76
4,294.00	9.01	50.48	4,228.28	425.43	511.01	664.91	0.98	-0.98	0.09
4,387.00	9.22	47.95	4,320.10	435.06	522.16	679.63	0.49	0.23	-2.72
4,426.00	9.00	47.88	4,358.61	439.20	526.75	685.80	0.56	-0.56	-0.18
4,519.00	8.43	55.83	4,450.54	447.91	537.78	699.86	1.43	-0.61	8.55
4,611.00	8.88	57.15	4,541.49	455.55	549.33	713.63	0.53	0.49	1.43
4,703.00	8.74	52.79	4,632.41	463.62	560.86	727.67	0.74	-0.15	-4.74
4,796.00	8.28	51.20	4,724.38	472.09	571.71	741.43	0.56	-0.49	-1.71
4,888.00	8.33	51.98	4,815.42	480.35	582.12	754.71	0.13	0.05	0.85
4,979.00	8.73	51.32	4,905.41	488.72	592.70	768.21	0.45	0.44	-0.73
5,072.00	8.04	51.56	4,997.42	497.18	603.31	781.77	0.74	-0.74	0.26
5,166.00	7.65	53.96	5,090.54	504.95	613.52	794.59	0.54	-0.41	2.55
5,259.00	7.19	55.14	5,182.76	511.92	623.30	806.57	0.52	-0.49	1.27
5,352.00	6.93	53.77	5,275.05	518.56	632.60	817.97	0.33	-0.28	-1.47
5,380.99	11.16	50.66	5,300.00	541.00	660.00	853.39	14.67	14.58	-10.73
<b>MB H-2-9-16 Target</b>									
5,446.00	6.40	55.97	5,368.42	524.84	641.51	828.85	7.42	-7.32	8.17
5,538.00	5.87	65.17	5,459.89	529.69	650.03	838.51	1.21	-0.58	10.00
5,632.00	5.45	71.65	5,553.44	533.11	658.63	847.34	0.81	-0.45	6.89
5,726.00	4.81	77.68	5,647.06	535.36	666.72	855.01	0.89	-0.68	6.41
5,818.00	5.16	74.17	5,738.71	537.31	674.47	862.24	0.50	0.38	-3.82
5,913.00	5.42	74.71	5,833.31	539.66	682.91	870.26	0.28	0.27	0.57
6,007.00	5.16	76.98	5,926.91	541.78	691.31	878.10	0.36	-0.28	2.41
6,099.00	4.69	81.93	6,018.57	543.24	699.06	885.02	0.69	-0.51	5.38
6,193.00	4.31	85.45	6,112.28	544.06	706.39	891.21	0.50	-0.40	3.74
6,286.00	4.29	82.29	6,205.02	544.80	713.32	897.04	0.26	-0.02	-3.40
6,336.00	4.29	82.29	6,254.88	545.31	717.03	900.23	0.00	0.00	0.00
<b>Projection to TD</b>									

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte H-2-9-16  
**Well:** Monument Butte H-2-9-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well Monument Butte H-2-9-16  
**TVD Reference:** GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
**MD Reference:** GL 5491' & RKB 12' @ 5503.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** MultiUserEDM

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
MB H-2-9-16 Target	0.00	0.00	5,300.00	541.00	660.00	7,195,031.33	2,035,960.33	40° 3' 48.977 N	110° 5' 12.041 W
- survey misses by 31.08ft at 5380.99ft MD (5303.68 TVD, 521.37 N, 636.18 E)									
- Circle (radius 75.00)									
BHL	0.00	0.00	6,363.00	496.00	666.00	7,194,986.43	2,035,967.04	40° 3' 48.532 N	110° 5' 11.963 W
- survey misses by 129.33ft at 6336.00ft MD (6254.88 TVD, 545.31 N, 717.03 E)									
- Point									

Survey Annotations					
Measured	Vertical	Local Coordinates			
Depth	Depth	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
349.00	349.00	-0.30	0.73	First MWD Survey	
6,336.00	6,254.88	545.31	717.03	Projection to TD	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

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

FORM 6

**ENTITY ACTION FORM**

Operator: Newfield Production Company Operator Account Number: N 2695  
 Address: 1401 17th St, Suite 1000  
city Denver  
state CO zip 80202 Phone Number: (303) 893-0102

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333218	Monument Butte ST H-2-9-16		SENW	2	9S	16E	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	13195	10835	2/7/2007		2/22/2007		
<b>Comments:</b> DOGM assigned wrong entity number corrected 8/13/2007 by E. Russell							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Earlene Russell for DOGM

Name (Please Print) \_\_\_\_\_  
*Earlene Russell*  
 Signature \_\_\_\_\_  
 Engineering Tech \_\_\_\_\_ 8/13/2007  
 Title \_\_\_\_\_ Date \_\_\_\_\_