

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO. ML-21839
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME South Monument Butte
8. FARM OR LEASE NAME N/A
9. WELL NO. So. Mon. Butte State #Q-2-9-16
10. FIELD AND POOL OR WILDCAT Monument Butte
11. QTR, QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/SW Sec. 2, T9S, R16E
12. County Duchesne
13. STATE UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** **DEEPEN**

1b. TYPE OF WELL

OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Newfield Production Company

3. ADDRESS AND TELEPHONE NUMBER:
Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)
 At Surface **SE/SW 729' FSL 1945' FWL**
 At proposed Producing Zone **SW 1324' FSL 1308' FWL**
577751 X 4434174 Y 40.056183 -110.090765

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 13.0 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drlg. unit line, if any) Approx. 1308' f/lse line and 1316' f/unit line	16. NO. OF ACRES IN LEASE 640.00	17. NO. OF ACRES ASSIGNED TO THIS WELL 20
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18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1271' (Down Hole)	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary
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21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5545' GL

22. APPROX. DATE WORK WILL START*
4th Quarter 2006

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
				See Detail Below

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* Title: Regulatory Specialist Date: 6/19/2006
Mandie Crozier

(This space for State use only)

API Number Assigned 43-013-33221 APPROVAL: _____

*See Instructions On Reverse Side

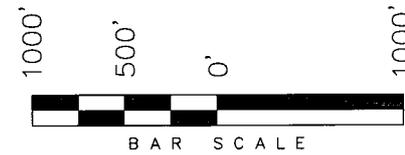
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 JUN 23 2006

DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY

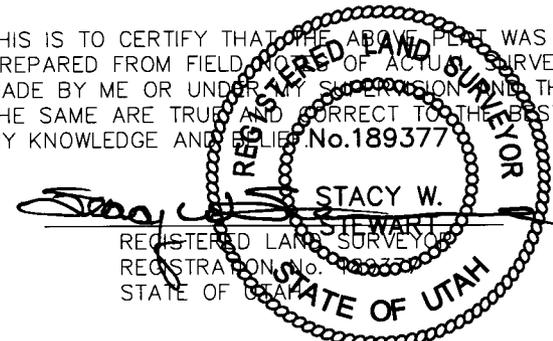
WELL LOCATION, S. MONUMENT BUTTE Q-2-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

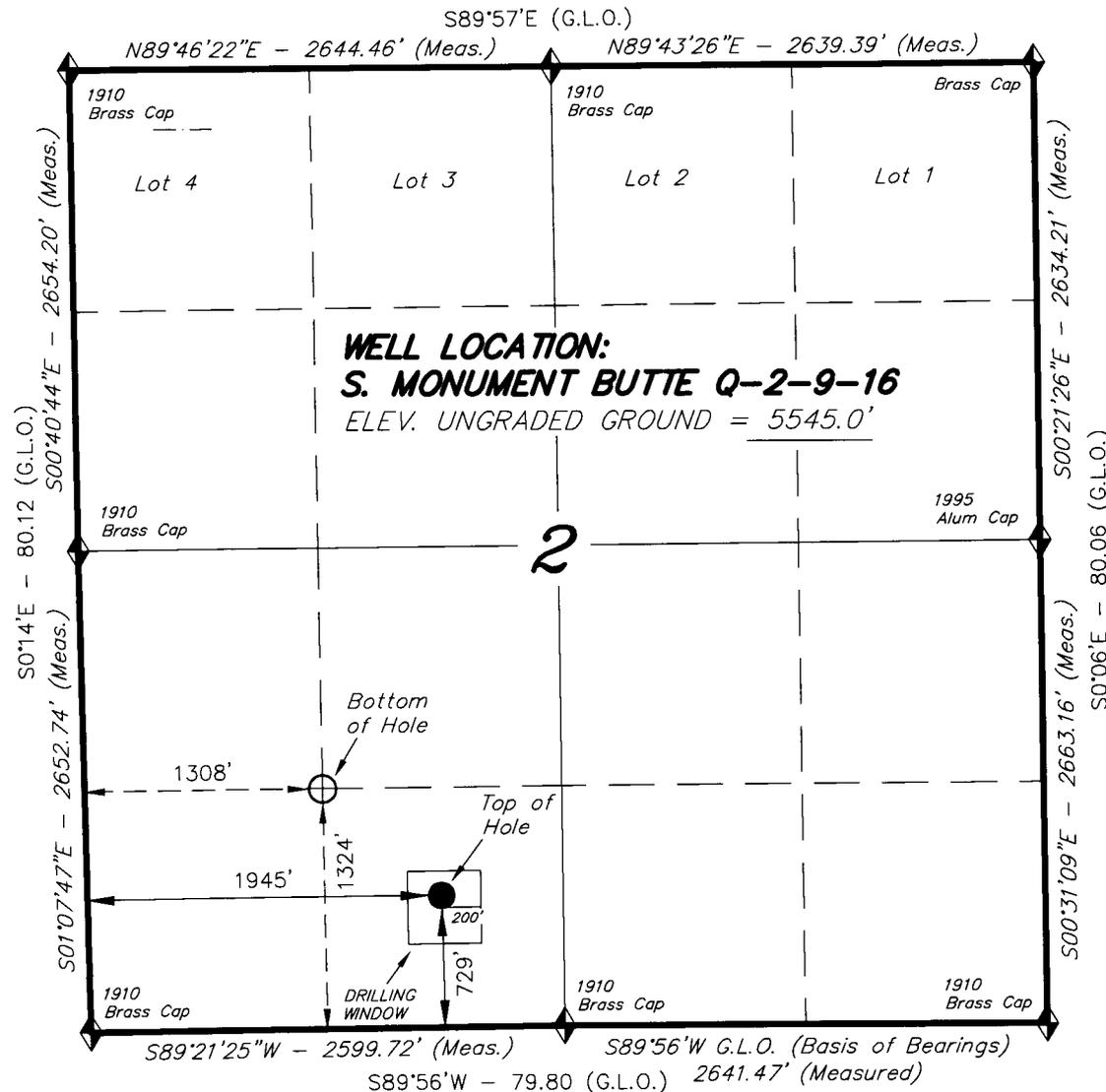
1. The bottom of hole bears N47°47'30"W 875.07' from the well head.

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



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

DATE SURVEYED: 5-23-06	SURVEYED BY: D.P.
DATE DRAWN: 5-23-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

S. MONUMENT BUTTE Q-2-9-16
(Surface Location) NAD 83
LATITUDE = 40° 03' 16.69"
LONGITUDE = 110° 05' 20.41"



June 27, 2006

43-013-33221

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; S. Monument Butte Unit UTU-79485X

- (1) State of Utah ML-21839, Duchesne Co., UT
State R-2-9-16; 2000' FSL, 1985' FEL (at surface)
1326' FSL, 2642' FEL (bottomhole)
Section 2-T9S-R16E
- (2) State of Utah ML-21839, Duchesne Co., UT;
State S-2-9-16; 748' FSL, 687' FEL (at surface)
1329' FSL, 1321' FEL (bottomhole)
Section 2-T9S-R16E
- (3) State of Utah ML-21839, Duchesne Co., UT;
State Q-2-9-16; 729' FSL, 1945' FWL (at surface)
1324' FSL, 1308' FWL (bottomhole)
Section 2-T9S-R16E

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permit to Drill dated 06/19/06 (copies enclosed herewith) which concern the wells referenced above, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

These drillsite locations are located within the boundaries of the South Monument Butte Unit UTU-79485X. NPC is permitting these wells as directional wells in order to minimize surface disturbance. Locating the wells at the surface location and directionally drilling from these locations, NPC will be able to utilize the existing the existing road and pipelines in the area.

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

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DIV. OF OIL, GAS & MINING

June 27, 2006
Page Two

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

A handwritten signature in cursive script that reads "Rhonda Deimer".

Rhonda Deimer
Land Associate

Enclosures

NEWFIELD PRODUCTION COMPANY
SOUTH MONUMENT BUTTE STATE #Q-2-9-16
SE/SW 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	MUD TYPE
Surface – 3200'	fresh water
3200' – TD'	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 PBD 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 H₂S 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
SOUTH MONUMENT BUTTE STATE #Q-2-9-16
SE/SW 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 South Monument Butte State Q-2-9-16 located in the SE ¼ SW 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 0.8 miles ± to its junction with the beginning of the access road to the existing #14-2-9-16 well location; proceed 250' along this access road to the proposed #Q-2-9-16.

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 14-2-9-16 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 14-2-9-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed Q-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 South Monument Butte State Q-2-9-16 will be drilled off of the existing 14-2-9-16 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 South Monument Butte State Q-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 South Monument Butte State Q-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 #Q-2-9-16, SE/SW 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.

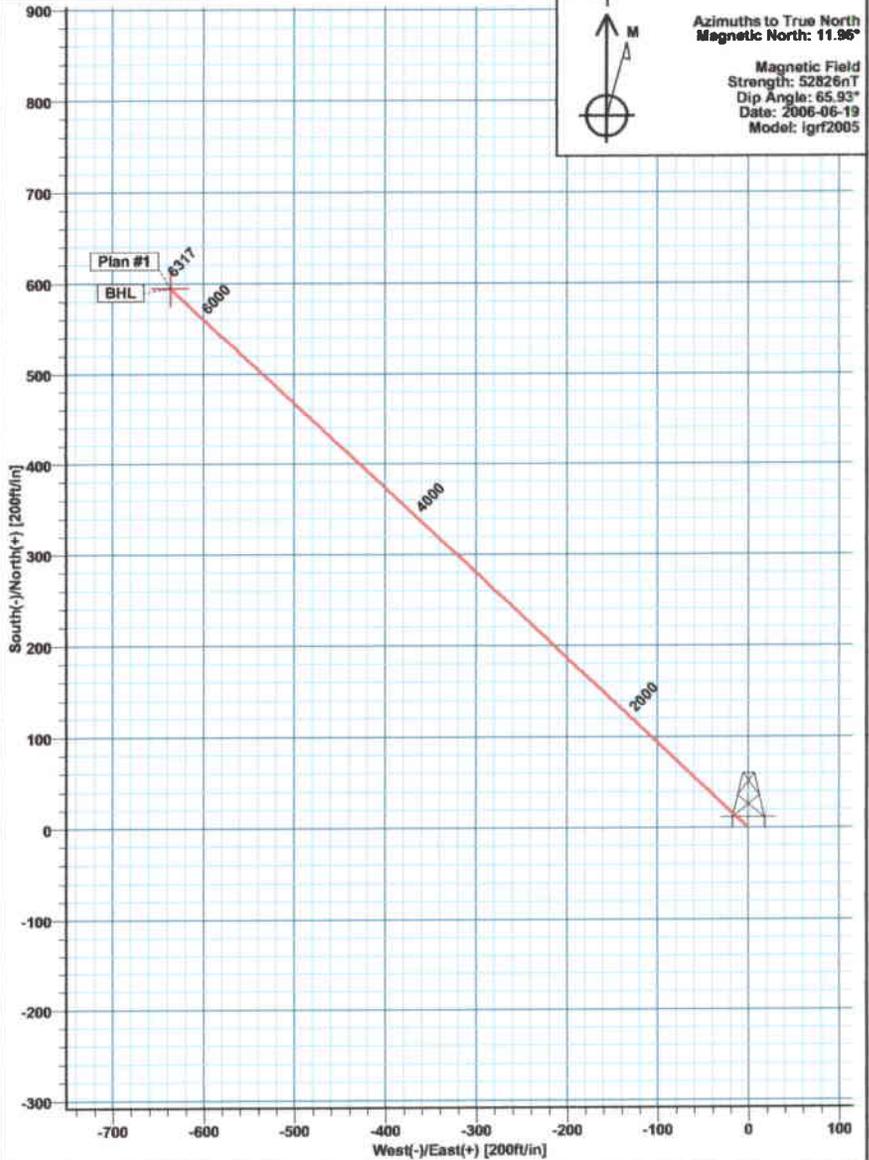
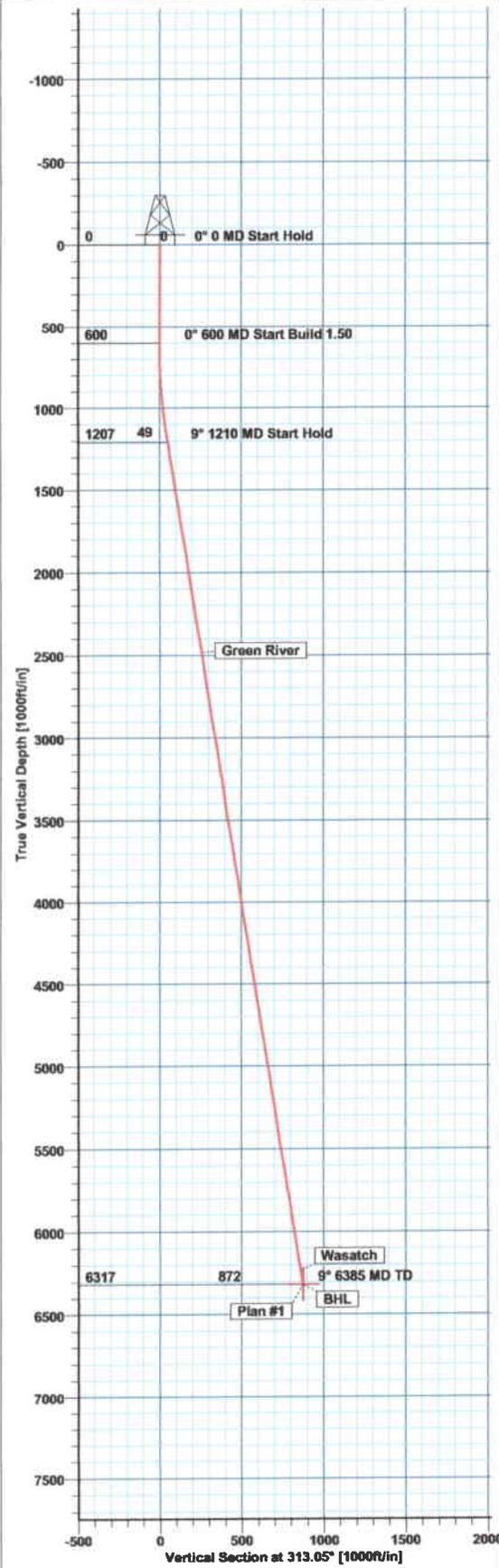
Date June 19, 2006



Mandie Crozier
Regulatory Specialist
Newfield Production Company



Azimuths to True North
Magnetic North: 11.98°
Magnetic Field Strength: 52826nT
Dip Angle: 65.93°
Date: 2006-06-19
Model: igrf2005



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	313.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	600.00	0.00	313.05	600.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1210.04	9.15	313.05	1207.45	33.18	-35.52	1.50	313.05	48.61	BHL
4	6385.45	9.15	313.05	6317.00	595.00	-637.00	0.00	0.00	871.66	BHL

WELL DETAILS

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
SMB Q-2-9-16	0.00	0.00	7191754.62	2035361.28	40°03'16.690N	110°05'20.410W	N/A

SITE DETAILS

S. Monument Butte Q-2-9-16
Sec. 2 T9S R16E

Site Centre Latitude: 40°03'16.690N
Longitude: 110°05'20.410W

Ground Level: 5545.00
Positional Uncertainty: 0.00
Convergence: 0.90

Plan: Plan #1 (SMB Q-2-9-16/OH)

Created By: Julie Seaman Date: 2006-06-19

FIELD DETAILS

Duchesne County, UT

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North



Scientific Drilling International

Planning Report

Company: Newfield Exploration Co.	Date: 2006-06-19	Time: 16:43:50	Page: 1
Field: Duchesne County, UT	Co-ordinate(NE) Reference: Well: SMB Q-2-9-16, True North		
Site: S. Monument Butte Q-2-9-16	Vertical (TVD) Reference: GL 5545' & RKB 12' 5557.0		
Well: SMB Q-2-9-16	Section (VS) Reference: Well (0.00N,0.00E,313.05Azi)		
Wellpath: OH	Plan: Plan #1		

Field: Duchesne County, UT		
Map System: US State Plane Coordinate System 1983	Map Zone: Utah, Central Zone	
Geo Datum: GRS 1980	Coordinate System: Well Centre	
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005	

Site: S. Monument Butte Q-2-9-16
Sec. 2 T9S R16E

Site Position:	Northing: 7191754.62 ft	Latitude: 40 3 16.690 N	
From: Geographic	Easting: 2035361.28 ft	Longitude: 110 5 20.410 W	
Position Uncertainty: 0.00 ft		North Reference: True	
Ground Level: 5545.00 ft		Grid Convergence: 0.90 deg	

Well: SMB Q-2-9-16 SHL: 729' FSL, 1945' FWL	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 7191754.62 ft
+E/-W 0.00 ft	Easting: 2035361.28 ft
Position Uncertainty: 0.00 ft	
	Latitude: 40 3 16.690 N
	Longitude: 110 5 20.410 W

Wellpath: OH	Drilled From: Surface
Current Datum: GL 5545' & RKB 12'	Tie-on Depth: 0.00 ft
Magnetic Data: 2006-06-19	Above System Datum: Mean Sea Level
Field Strength: 52826 nT	Declination: 11.96 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 65.93 deg
ft	+N/-S
	ft
	+E/-W
	ft
	Direction
	deg
6317.00	0.00
	0.00
	313.05

Plan: Plan #1	Date Composed: 2006-06-19
	Version: 1
Principal: Yes	Tied-to: From Surface

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	313.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	313.05	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1210.04	9.15	313.05	1207.45	33.18	-35.52	1.50	1.50	0.00	313.05	
6385.45	9.15	313.05	6317.00	595.00	-637.00	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	313.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	313.05	100.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05
200.00	0.00	313.05	200.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05
300.00	0.00	313.05	300.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05
400.00	0.00	313.05	400.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05
500.00	0.00	313.05	500.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05
600.00	0.00	313.05	600.00	0.00	0.00	0.00	0.00	0.00	0.00	313.05

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	313.05	699.99	0.89	-0.96	1.31	1.50	1.50	0.00	0.00
800.00	3.00	313.05	799.91	3.57	-3.83	5.23	1.50	1.50	0.00	0.00
900.00	4.50	313.05	899.69	8.04	-8.60	11.77	1.50	1.50	0.00	0.00
1000.00	6.00	313.05	999.27	14.28	-15.29	20.92	1.50	1.50	0.00	0.00
1100.00	7.50	313.05	1098.57	22.31	-23.88	32.68	1.50	1.50	0.00	0.00
1200.00	9.00	313.05	1197.54	32.10	-34.37	47.03	1.50	1.50	0.00	0.00
1210.04	9.15	313.05	1207.45	33.18	-35.52	48.61	1.50	1.50	0.00	0.00



Scientific Drilling International Planning Report

Company: Newfield Exploration Co.	Date: 2006-06-19	Time: 16:43:50	Page: 3
Field: Duchesne County, UT	Co-ordinate(NE) Reference: Well: SMB Q-2-9-16, True North		
Site: S. Monument Butte Q-2-9-16	Vertical (TVD) Reference: GL 5545' & RKB 12' 5557.0		
Well: SMB Q-2-9-16	Section (VS) Reference: Well (0.00N,0.00E,313.05Azi)		
Wellpath: OH	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
500.00	0.00	313.05	500.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
600.00	0.00	313.05	600.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
700.00	1.50	313.05	699.99	0.89	-0.96	1.31	1.50	1.50	0.00	MWD
800.00	3.00	313.05	799.91	3.57	-3.83	5.23	1.50	1.50	0.00	MWD
900.00	4.50	313.05	899.69	8.04	-8.60	11.77	1.50	1.50	0.00	MWD
1000.00	6.00	313.05	999.27	14.28	-15.29	20.92	1.50	1.50	0.00	MWD
1100.00	7.50	313.05	1098.57	22.31	-23.88	32.68	1.50	1.50	0.00	MWD
1200.00	9.00	313.05	1197.54	32.10	-34.37	47.03	1.50	1.50	0.00	MWD
1210.04	9.15	313.05	1207.45	33.18	-35.52	48.61	1.50	1.50	0.00	MWD
1300.00	9.15	313.05	1296.27	42.95	-45.98	62.92	0.00	0.00	0.00	MWD
1400.00	9.15	313.05	1394.99	53.80	-57.60	78.82	0.00	0.00	0.00	MWD
1500.00	9.15	313.05	1493.72	64.66	-69.22	94.72	0.00	0.00	0.00	MWD
1600.00	9.15	313.05	1592.45	75.51	-80.84	110.63	0.00	0.00	0.00	MWD
1700.00	9.15	313.05	1691.17	86.37	-92.47	126.53	0.00	0.00	0.00	MWD
1800.00	9.15	313.05	1789.90	97.23	-104.09	142.43	0.00	0.00	0.00	MWD
1900.00	9.15	313.05	1888.63	108.08	-115.71	158.34	0.00	0.00	0.00	MWD
2000.00	9.15	313.05	1987.36	118.94	-127.33	174.24	0.00	0.00	0.00	MWD
2100.00	9.15	313.05	2086.08	129.79	-138.95	190.14	0.00	0.00	0.00	MWD
2200.00	9.15	313.05	2184.81	140.65	-150.58	206.04	0.00	0.00	0.00	MWD
2300.00	9.15	313.05	2283.54	151.50	-162.20	221.95	0.00	0.00	0.00	MWD
2400.00	9.15	313.05	2382.27	162.36	-173.82	237.85	0.00	0.00	0.00	MWD
2500.00	9.15	313.05	2480.99	173.21	-185.44	253.75	0.00	0.00	0.00	MWD
2501.02	9.15	313.05	2482.00	173.32	-185.56	253.92	0.00	0.00	0.00	Green River
2600.00	9.15	313.05	2579.72	184.07	-197.06	269.66	0.00	0.00	0.00	MWD
2700.00	9.15	313.05	2678.45	194.92	-208.68	285.56	0.00	0.00	0.00	MWD
2800.00	9.15	313.05	2777.18	205.78	-220.31	301.46	0.00	0.00	0.00	MWD
2900.00	9.15	313.05	2875.90	216.64	-231.93	317.37	0.00	0.00	0.00	MWD
3000.00	9.15	313.05	2974.63	227.49	-243.55	333.27	0.00	0.00	0.00	MWD
3100.00	9.15	313.05	3073.36	238.35	-255.17	349.17	0.00	0.00	0.00	MWD
3200.00	9.15	313.05	3172.08	249.20	-266.79	365.08	0.00	0.00	0.00	MWD
3300.00	9.15	313.05	3270.81	260.06	-278.41	380.98	0.00	0.00	0.00	MWD
3400.00	9.15	313.05	3369.54	270.91	-290.04	396.88	0.00	0.00	0.00	MWD
3500.00	9.15	313.05	3468.27	281.77	-301.66	412.79	0.00	0.00	0.00	MWD
3600.00	9.15	313.05	3566.99	292.62	-313.28	428.69	0.00	0.00	0.00	MWD
3700.00	9.15	313.05	3665.72	303.48	-324.90	444.59	0.00	0.00	0.00	MWD
3800.00	9.15	313.05	3764.45	314.34	-336.52	460.49	0.00	0.00	0.00	MWD
3900.00	9.15	313.05	3863.18	325.19	-348.15	476.40	0.00	0.00	0.00	MWD
4000.00	9.15	313.05	3961.90	336.05	-359.77	492.30	0.00	0.00	0.00	MWD
4100.00	9.15	313.05	4060.63	346.90	-371.39	508.20	0.00	0.00	0.00	MWD
4200.00	9.15	313.05	4159.36	357.76	-383.01	524.11	0.00	0.00	0.00	MWD
4300.00	9.15	313.05	4258.09	368.61	-394.63	540.01	0.00	0.00	0.00	MWD
4400.00	9.15	313.05	4356.81	379.47	-406.25	555.91	0.00	0.00	0.00	MWD
4500.00	9.15	313.05	4455.54	390.32	-417.88	571.82	0.00	0.00	0.00	MWD
4600.00	9.15	313.05	4554.27	401.18	-429.50	587.72	0.00	0.00	0.00	MWD
4700.00	9.15	313.05	4653.00	412.04	-441.12	603.62	0.00	0.00	0.00	MWD
4800.00	9.15	313.05	4751.72	422.89	-452.74	619.53	0.00	0.00	0.00	MWD
4900.00	9.15	313.05	4850.45	433.75	-464.36	635.43	0.00	0.00	0.00	MWD
5000.00	9.15	313.05	4949.18	444.60	-475.99	651.33	0.00	0.00	0.00	MWD
5100.00	9.15	313.05	5047.90	455.46	-487.61	667.23	0.00	0.00	0.00	MWD
5200.00	9.15	313.05	5146.63	466.31	-499.23	683.14	0.00	0.00	0.00	MWD
5300.00	9.15	313.05	5245.36	477.17	-510.85	699.04	0.00	0.00	0.00	MWD
5400.00	9.15	313.05	5344.09	488.02	-522.47	714.94	0.00	0.00	0.00	MWD
5500.00	9.15	313.05	5442.81	498.88	-534.09	730.85	0.00	0.00	0.00	MWD



Scientific Drilling International Planning Report

Company: Newfield Exploration Co.	Date: 2006-06-19	Time: 16:43:50	Page: 4
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Site: S. Monument Butte Q-2-9-16	Vertical (TVD) Reference: GL 5545' & RKB 12' 5557.0		
Well: SMB Q-2-9-16	Section (VS) Reference: Well (0.00N,0.00E,313.05Azi)		
Wellpath: OH	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
5600.00	9.15	313.05	5541.54	509.73	-545.72	746.75	0.00	0.00	0.00	MWD
5700.00	9.15	313.05	5640.27	520.59	-557.34	762.65	0.00	0.00	0.00	MWD
5800.00	9.15	313.05	5739.00	531.45	-568.96	778.56	0.00	0.00	0.00	MWD
5900.00	9.15	313.05	5837.72	542.30	-580.58	794.46	0.00	0.00	0.00	MWD
6000.00	9.15	313.05	5936.45	553.16	-592.20	810.36	0.00	0.00	0.00	MWD
6100.00	9.15	313.05	6035.18	564.01	-603.83	826.27	0.00	0.00	0.00	MWD
6200.00	9.15	313.05	6133.91	574.87	-615.45	842.17	0.00	0.00	0.00	MWD
6299.36	9.15	313.05	6232.00	585.65	-626.99	857.97	0.00	0.00	0.00	Wasatch
6300.00	9.15	313.05	6232.63	585.72	-627.07	858.07	0.00	0.00	0.00	MWD
6385.45	9.15	313.05	6317.00	595.00	-637.00	871.66	0.00	0.00	0.00	BHL

Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
BHL			6317.00	595.00	-637.00	7192339.50	2034714.97	40	3	22.570	N	110	5	28.603	W
-Plan hit target															

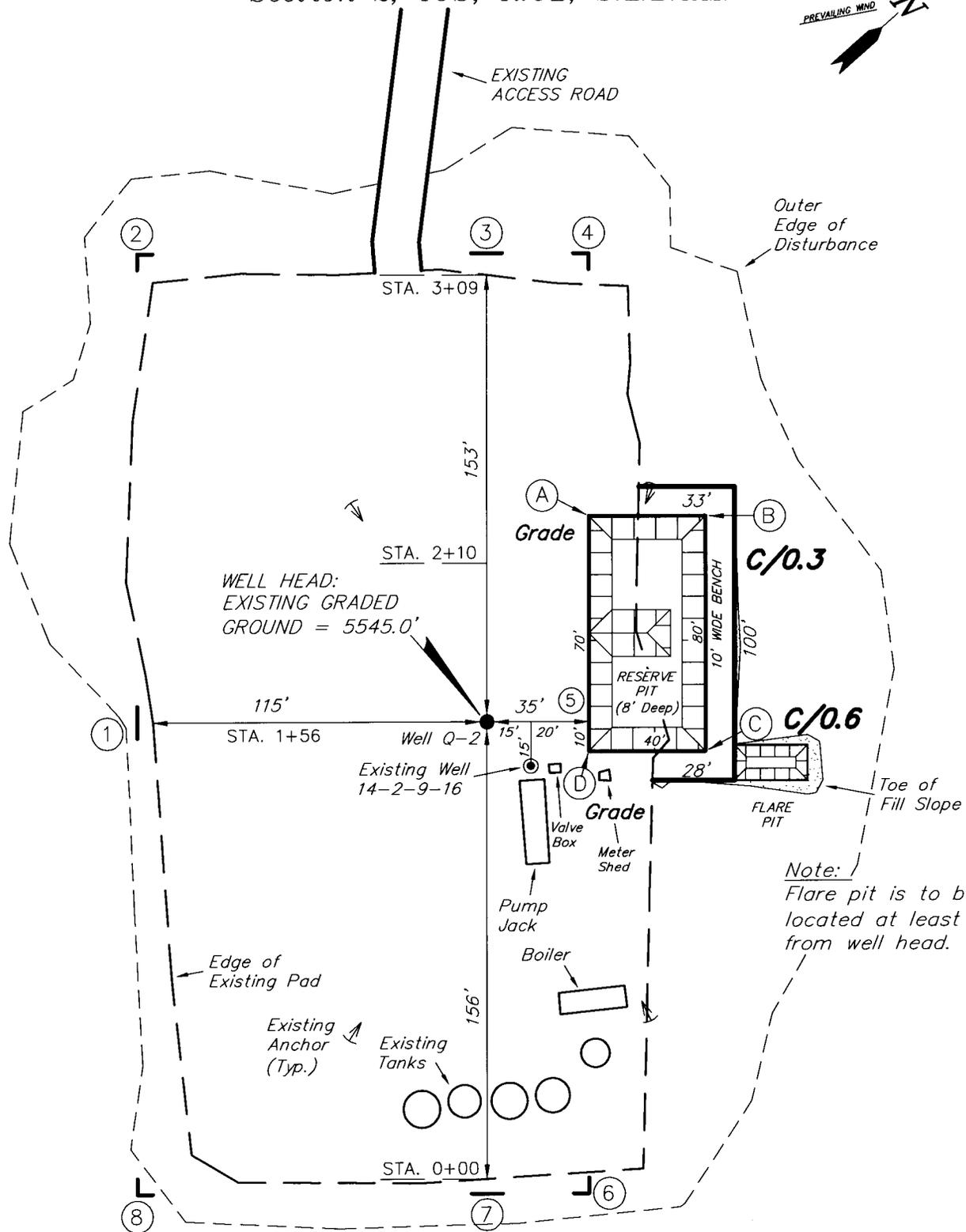
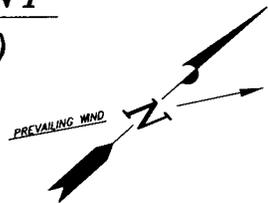
Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2501.02	2482.00	Green River		0.00	0.00
6299.36	6232.00	Wasatch		0.00	0.00

NEWFIELD PRODUCTION COMPANY

S. MONUMENT BUTTE 14-2-9-16 (Q-2)

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

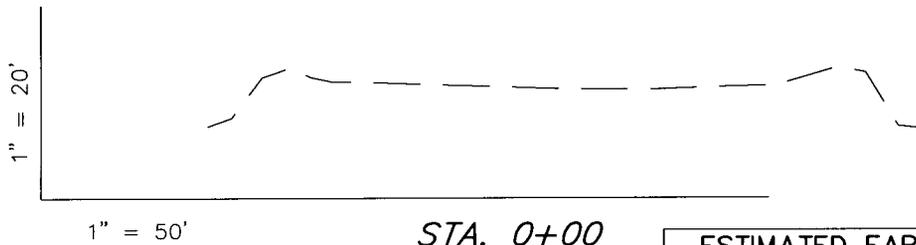
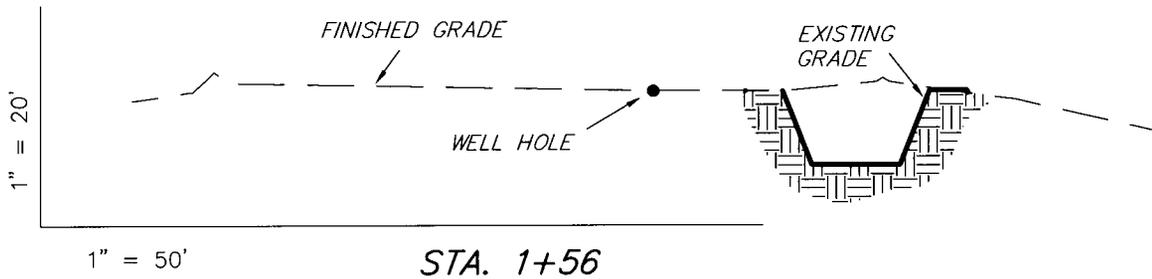
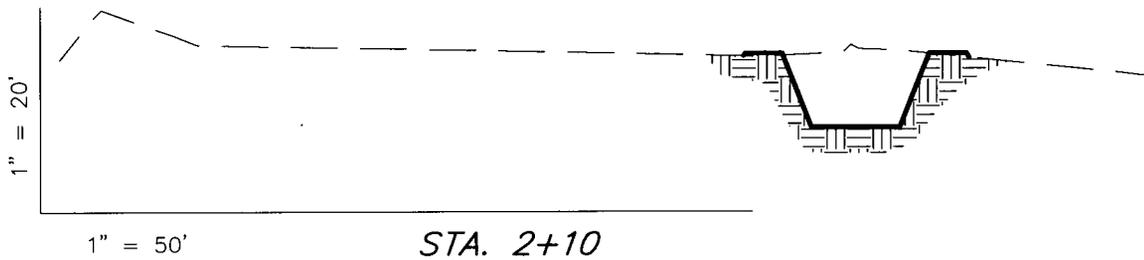
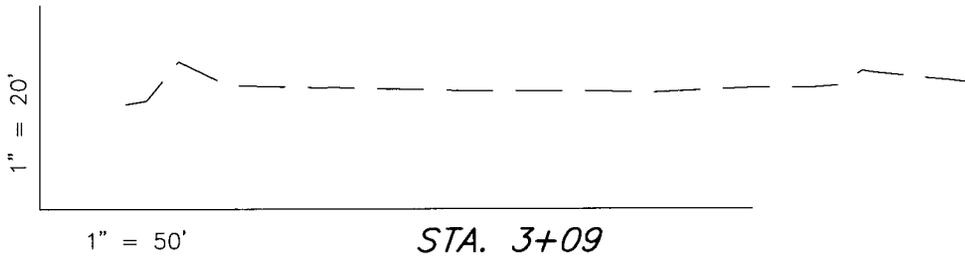


SURVEYED BY: D.P.	SCALE: 1" = 50'	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE: 05-25-06		

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

S. MONUMENT BUTTE 14-2-9-16 (Q-2)



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	40	50	Topsoil is not included in Pad Cut	-10
PIT	640	0		640
TOTALS	680	50	N/A	630

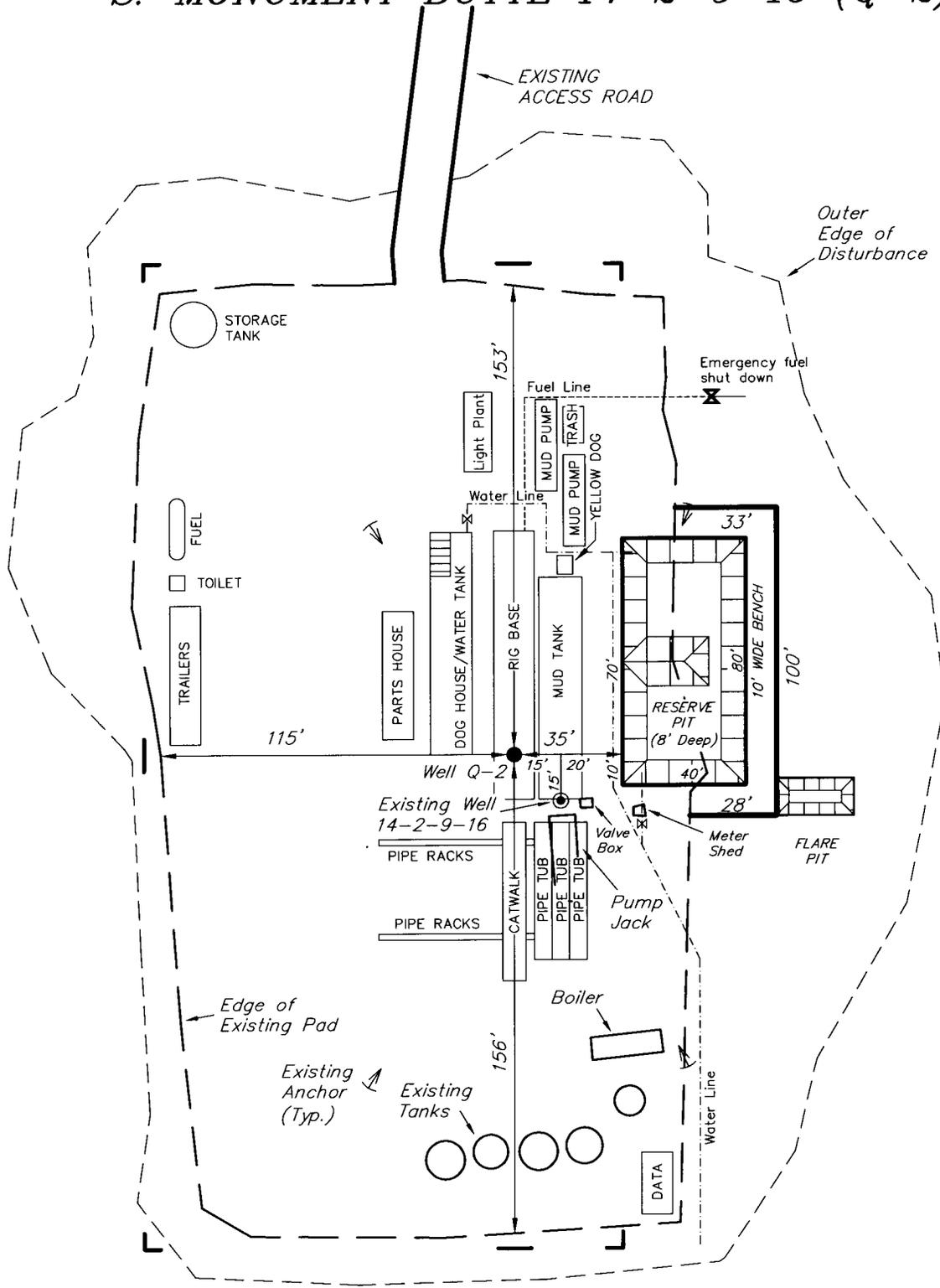
NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-25-06

(435) 781-2501

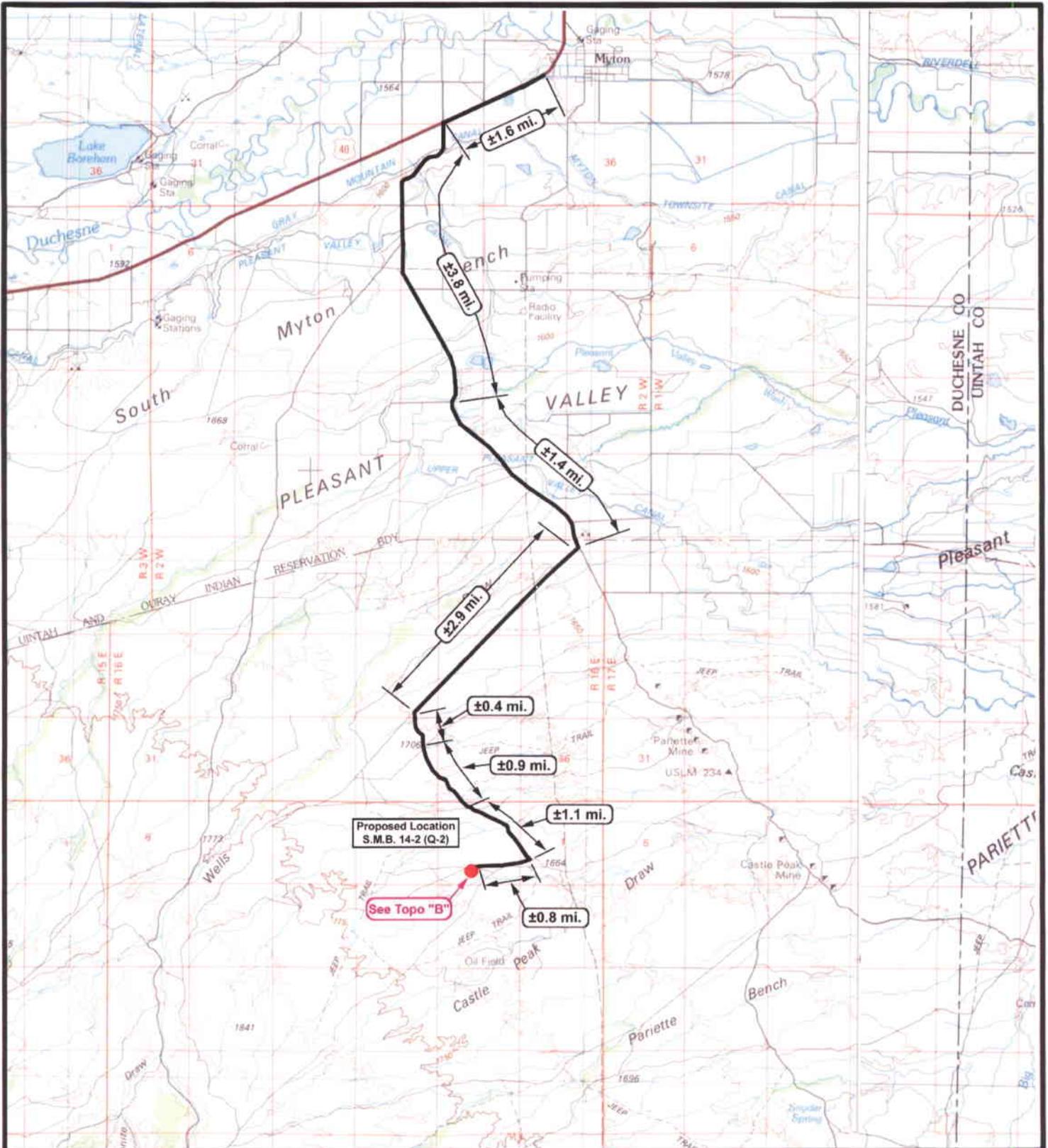
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
S. MONUMENT BUTTE 14-2-9-16 (Q-2)



SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-25-06

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





NEWFIELD
 Exploration Company

S. Monument Butte 14-2-9-16 (Q-2)
SEC. 2, T9S, R16E, S.L.B.&M.





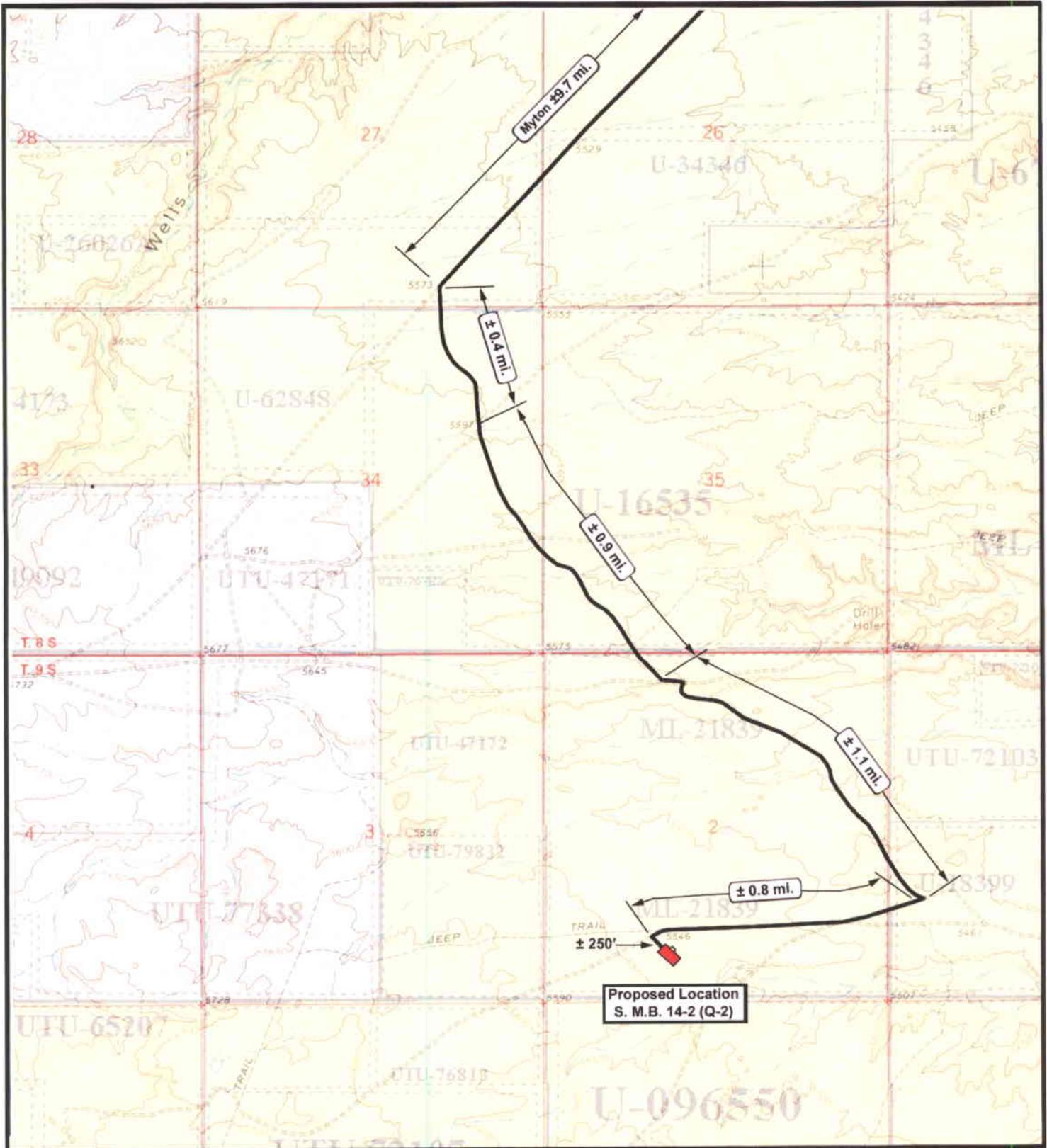
Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: mw
DATE: 05-30-2006

Legend

 Existing Road

TOPOGRAPHIC MAP
"A"



Proposed Location
S. M.B. 14-2 (Q-2)



NEWFIELD
Exploration Company

S. Monument Butte 14-2-9-16 (Q-2)
SEC. 2, T9S, R16E, S.L.B.&M.



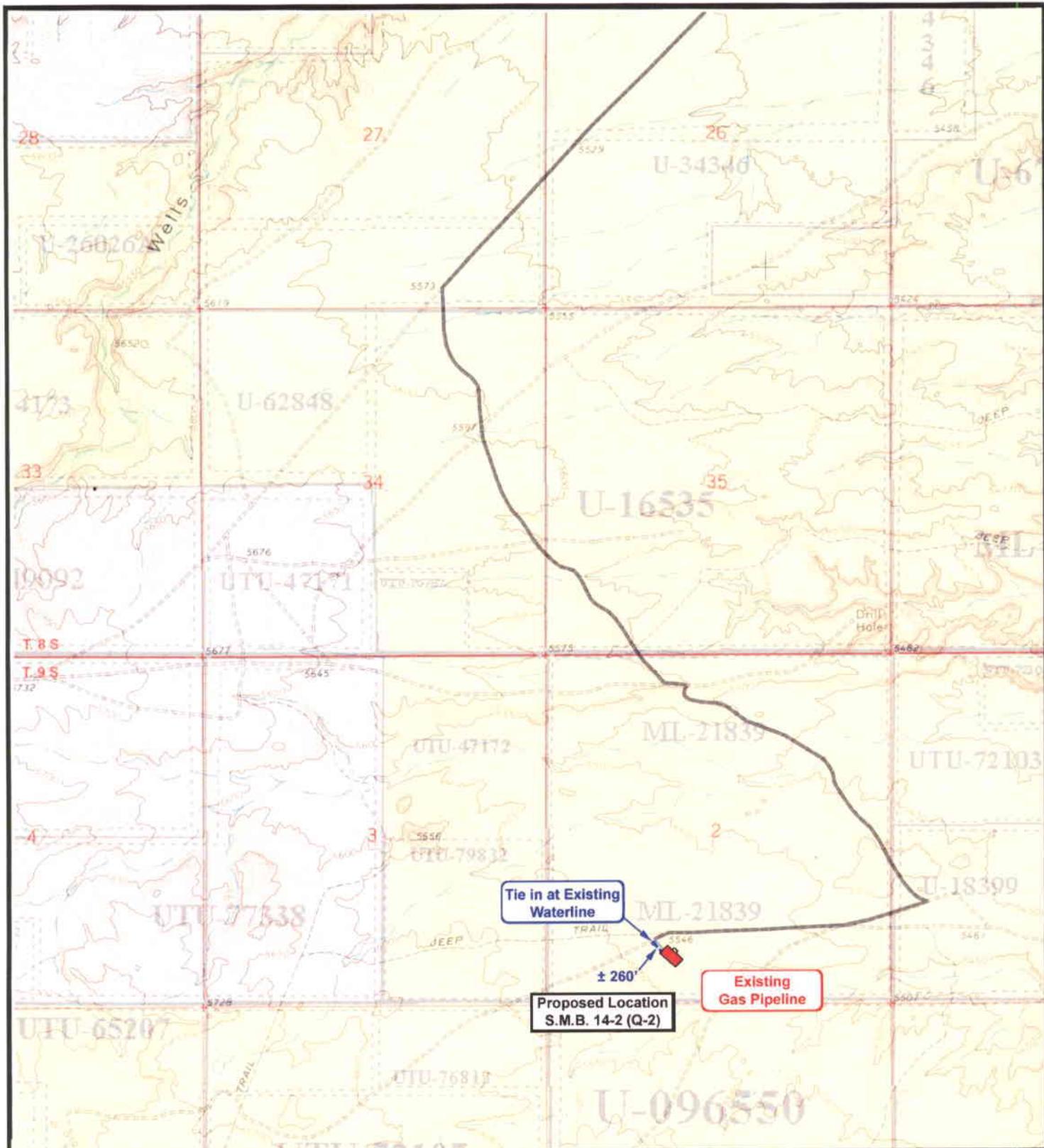

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 05-30-2006

Legend

 Existing Road

TOPOGRAPHIC MAP
"B"



**S. Monument Butte 14-2-9-16 (Q-2)
SEC. 2, T9S, R16E, S.L.B.&M.**



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

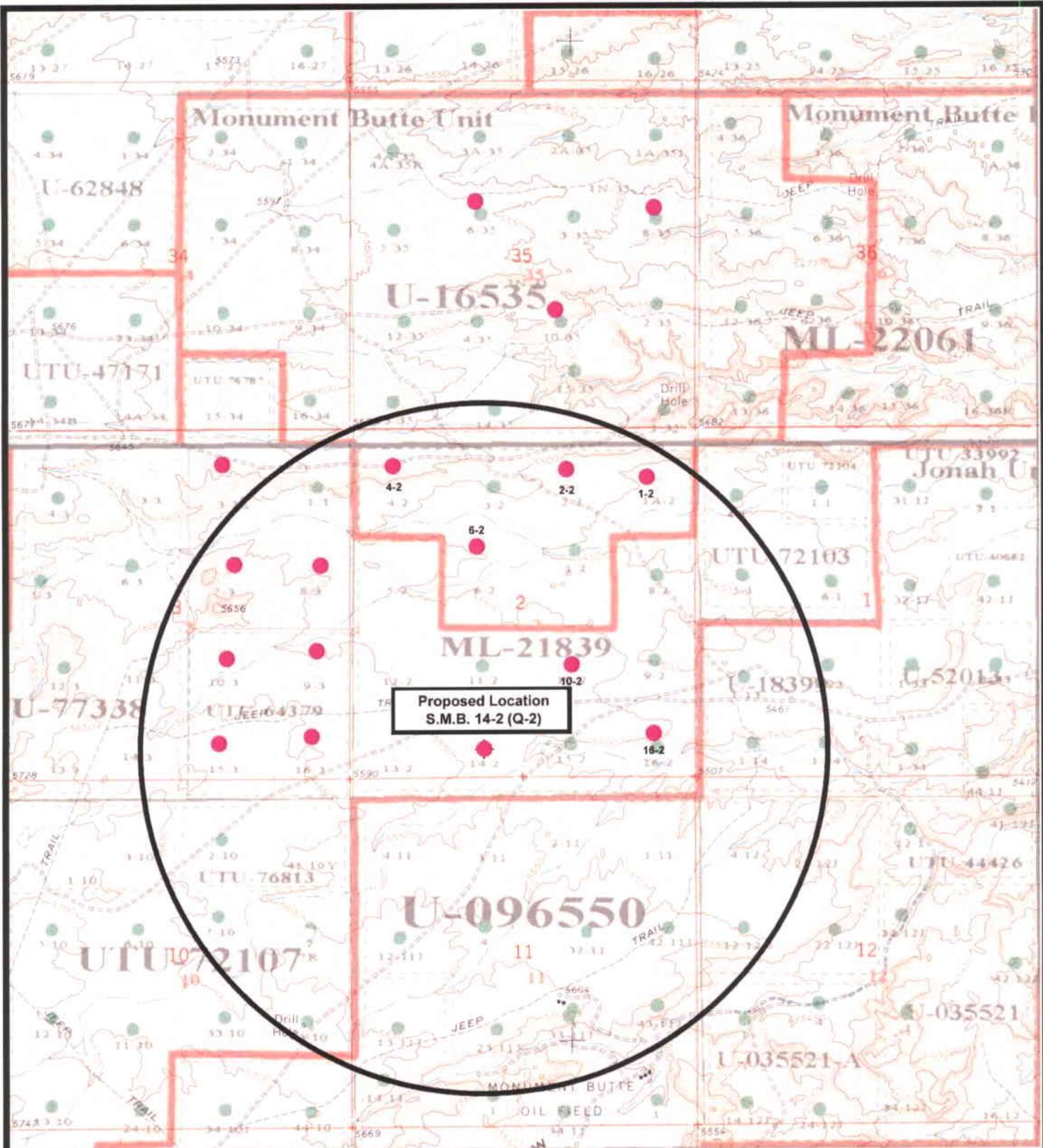
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 05-30-2006

Legend

- Roads
- Proposed Water Line

TOPOGRAPHIC MAP

"C"



 **NEWFIELD**
Exploration Company

S. Monument Butte 14-2-9-16 (Q-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: 05-30-2006

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

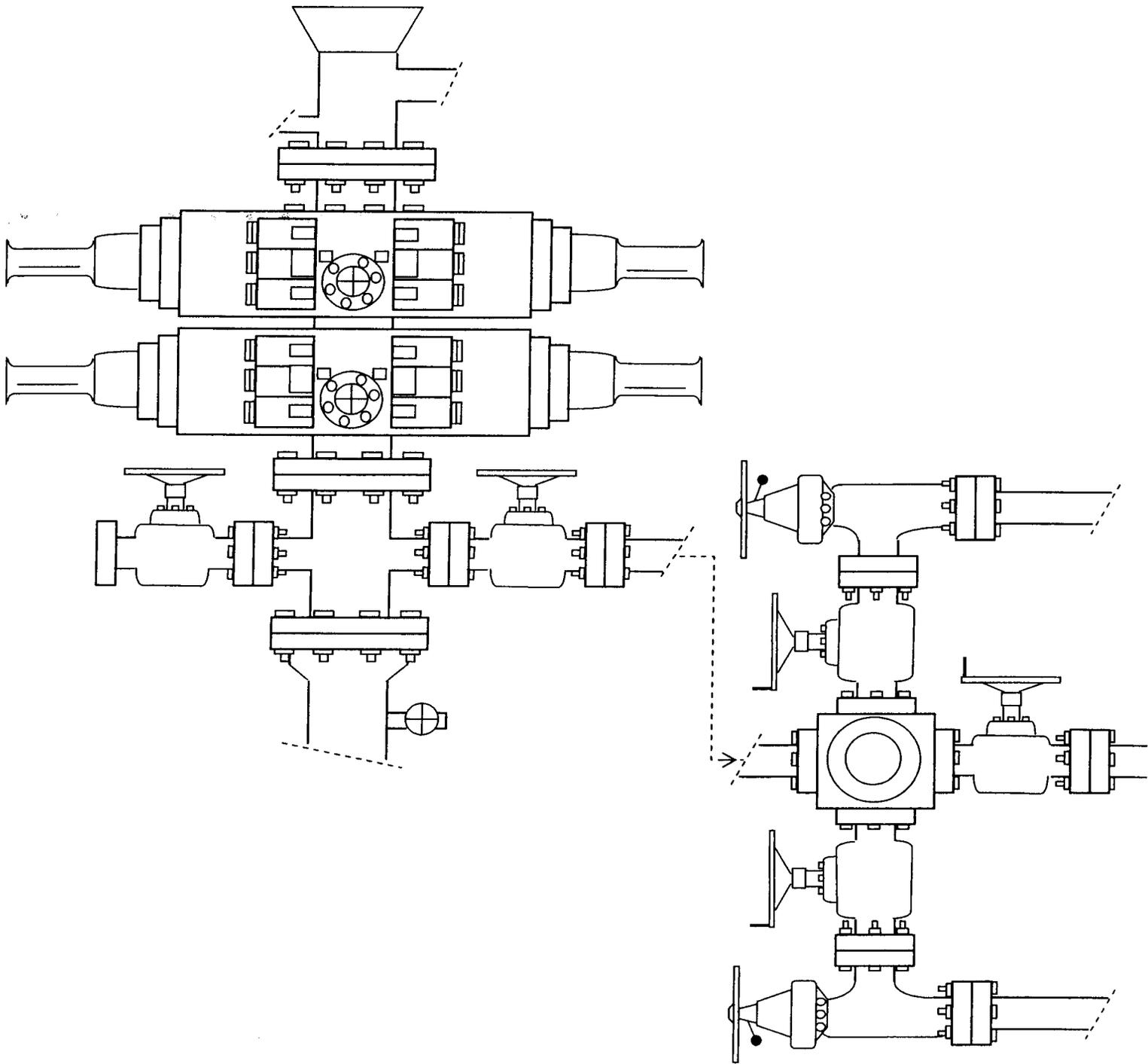


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/23/2006

API NO. ASSIGNED: 43-013-33221

WELL NAME: SO MON BUTTE ST Q-2-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 02 090S 160E
 SURFACE: 0729 FSL 1945 FWL
 BOTTOM: 1324 FSL 1308 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.05455 LONGITUDE: -110.0885
 UTM SURF EASTINGS: 577747 NORTHINGS: 4434000
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	7/29/06
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:

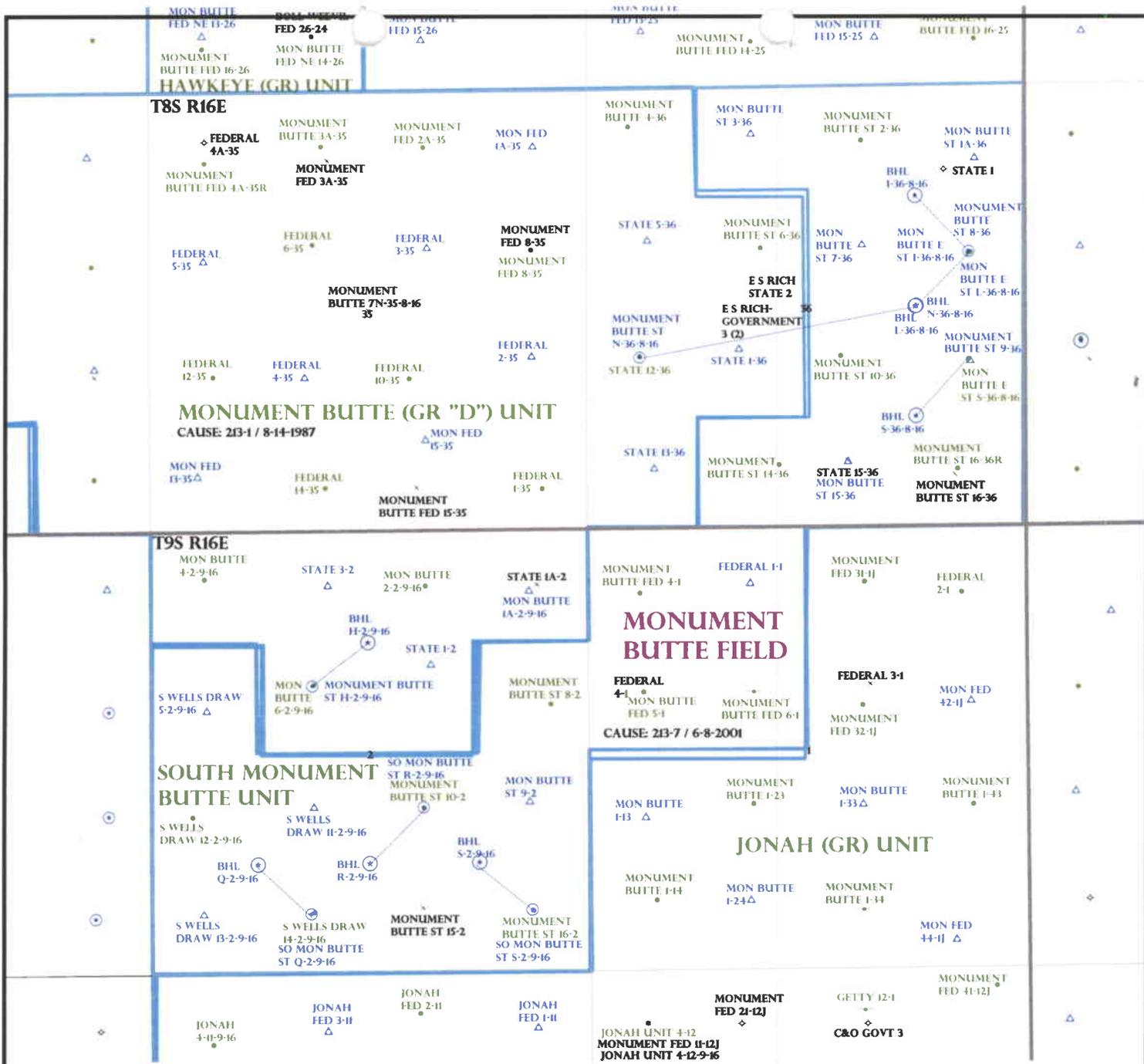
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- N RDCC Review (Y/N)
(Date: _____)
- NA Fee Surf Agreement (Y/N)
- NA Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: S MONUMENT BUTTE (GR)
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 213-7
Eff Date: 6-8-2001
Siting: Suspends General Siting
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (7-13-06)

STIPULATIONS: 1- STATEMENT OF BASIS



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 2 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 213-7 / 6-8-2001

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



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: South Monument Butte State #Q-2-9-16
API NUMBER: 43-013-33221
LOCATION: 1/4,1/4 SE/SW Sec: 2 TWP: 09 S RNG: 16E 729 FSL 1945 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 South Monument Butte State #14-2-9-16 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 SW, 1324' FSL; 1308' FWL on twenty acre spacing. There were no other issues noted during the presite meeting.

Reviewer: Dennis L Ingram **Date:** July 18, 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: So. Monument Butte State #Q-2-9-16
API NUMBER: 43-013-33221
LEASE: ML-21839 STATE **FIELD/UNIT:** Monument Butte
LOCATION: 1/4,1/4 SE/SW **Sec:** 2 **TWP:** 09S **RNG:** 16E 729 **FSL** 1945 **FWL**
LEGAL WELL SITING WELL. : General siting suspended.
GPS COORD (UTM): X =0577770 E; Y =4434015 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 So. Monument Butte State #14-2-9-16. This well stakes up 1.2 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 tabletop type habitat. Wells Draw is located approximately 2.5 +/- miles northwest of this site.

SURFACE USE PLAN

CURRENT SURFACE USE: Existing oilwell, the So. Mon Butte St #14-2-9-16

PROPOSED SURFACE DISTURBANCE: Existing location with new dirt work into previously remediated lands, no additional surface disturbance

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: There are 42 injection and oilwells within a one mile radius of this site.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Pump jack and short flowline into existing tanks and treater equipment already on site.

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: S. dscale community, sparse; antelope range, coyote, rabbit and potential raptor habitat.

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: None

RESERVE PIT

CHARACTERISTICS: Proposed in cut on northeast side of location in previously disturbed or old reserve pit, measuring 80'x 40'x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points or level II sensitivity, line is optional if operator stays in the guidelines submitted in the Application to Drill. If blasting is used during the construction of the pit or if salt water is utilized to contain gas a synthetic liner shall be used.

SURFACE RESTORATION/RECLAMATION PLAN

Reshape, contour and seed surface unless otherwise authorized by SITLA

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: No additional or new surface disturbance

OTHER OBSERVATIONS/COMMENTS

Existing pad, new wellbore southwest of 14-2-9-16, surface disturbance beyond location only a few feet to south and west in old reclaimed lands, other disturbance to north the reserve pit and flare pit, operator has attempted to stay in the old foot print of previously disturbed lands

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

July 13, 2006 10:30 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Scale
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.

-06 Newfield So Mon Butte - Q-2-9-16

Casing Schematic

Clinta

Surface

8-5/8"
MW 8.4
Frac 19.3

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

✓ w/ 12% washout

BHP
 $(.052)(8.6)(6317) = 2824$
Anticipate 2000

G_{sw}
 $(.12)(6317) = 758$
MASP: 2066

Fluid
 $(.22)(6317) = 1389$
MASP: 1435

BOPE - 2,000 ✓

Surf csg - 2950
70%: 2065

Mat pressure @ Surf csg shoe = 1499
Test TO 1499# ✓

✓ Adequate D₂₀
7/29/06

500 Brmsd

1700 Green River

3626
TOC Tail

✓ w/ 12% washout

5-1/2"
MW 8.6

Production
6385. MD
6317. TVD

Well name:	07-06 Newfield So Mon Butte St Q-2-9-16	
Operator:	Newfield Production Company	Project ID:
String type:	Surface	43-013-33221
Location:	Duchesne County	

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: 6,317 ft
Next mud weight: 8.600 ppg
Next setting BHP: 2,822 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 So Mon Butte St Q-2-9-16	
Operator:	Newfield Production Company	Project ID:
String type:	Production	43-013-33221
Location:	Duchesne County	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 634 psi
 Internal gradient: 0.346 psi/ft
 Calculated BHP: 2,822 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

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: 5,553 ft

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 163 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: Surface

Directional well information:

Kick-off point 0 ft
 Departure at shoe: 872 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 9.15 °

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	6385	5.5	15.50	J-55	LT&C	6317	6385	4.825	200.2
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	2822	4040	1.432	2822	4810	1.70	85	217	2.55 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 6317 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.



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

July 31, 2006

Newfield Production Company
Route 3 Box 3630
Myton, UT 84052

Re: So. Mon. Butte State Q-2-9-16 Well, 729' FSL, 1945' FWL, SE SW, Sec. 2, T. 9 South, R. 16 East, Bottom Location 1324' FSL, 1308' FWL, SE SW, 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 43-013-33221.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt
Associate Director

mf
Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Newfield Production Company
Well Name & Number So. Mon. Butte State Q-2-9-16
API Number: 43-013-33221
Lease: ML-21839

Location: SE SW **Sec. 2** **T. 9 South** **R. 16 East**
Bottom Location: SE SW **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)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN		5. LEASE DESIGNATION AND SERIAL NO. ML-21839	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>	7. UNIT AGREEMENT NAME South Monument Butte		8. FARM OR LEASE NAME N/A
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"/>	9. WELL NO. So. Mon. Butte State #Q-2-9-16		10. FIELD AND POOL OR WILDCAT Monument Butte
2. NAME OF OPERATOR Newfield Production Company		11. QTR. QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN SE/SW Sec. 2, T9S, R16E	
3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721		12. County Duchesne	
4. LOCATION OF WELL (FOOTAGE) At Surface SE/SW 729' FSL 1945' FWL At proposed Producing Zone SW 1324' FSL 1308' FWL <i>577747X 4434000Y 40.054552 -110.088487</i> <i>577551X 4434179Y 40.056183 -110.090765</i>		13. STATE UT	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 13.0 miles southwest of Myton, UT		17. NO. OF ACRES ASSIGNED TO THIS WELL 20	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Approx. 1308' f/lease line and 1316' f/unit line	16. NO. OF ACRES IN LEASE 640.00	20. ROTARY OR CABLE TOOLS Rotary	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1271' (Down Hole)	19. PROPOSED DEPTH 6500'	22. APPROX. DATE WORK WILL START* 4th Quarter 2006	
21. ELEVATIONS (Show whether DF, RT, GR., etc.) 5545' GL			

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
				See Detail Below

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* Title: Regulatory Specialist Date: 6/19/2006
Mandie Crozier

(This space for State use only)
 API Number Assigned: 43-013-33221 APPROVAL: _____

Approved by the
 *See Instructions On Reverse Side

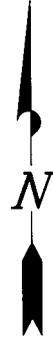
Date: 07-31-06
 By: *[Signature]*

RECEIVED
JUN 23 2006
 DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY

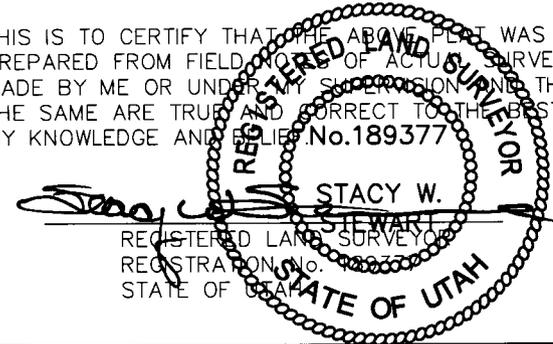
WELL LOCATION, S. MONUMENT BUTTE Q-2-9-16, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

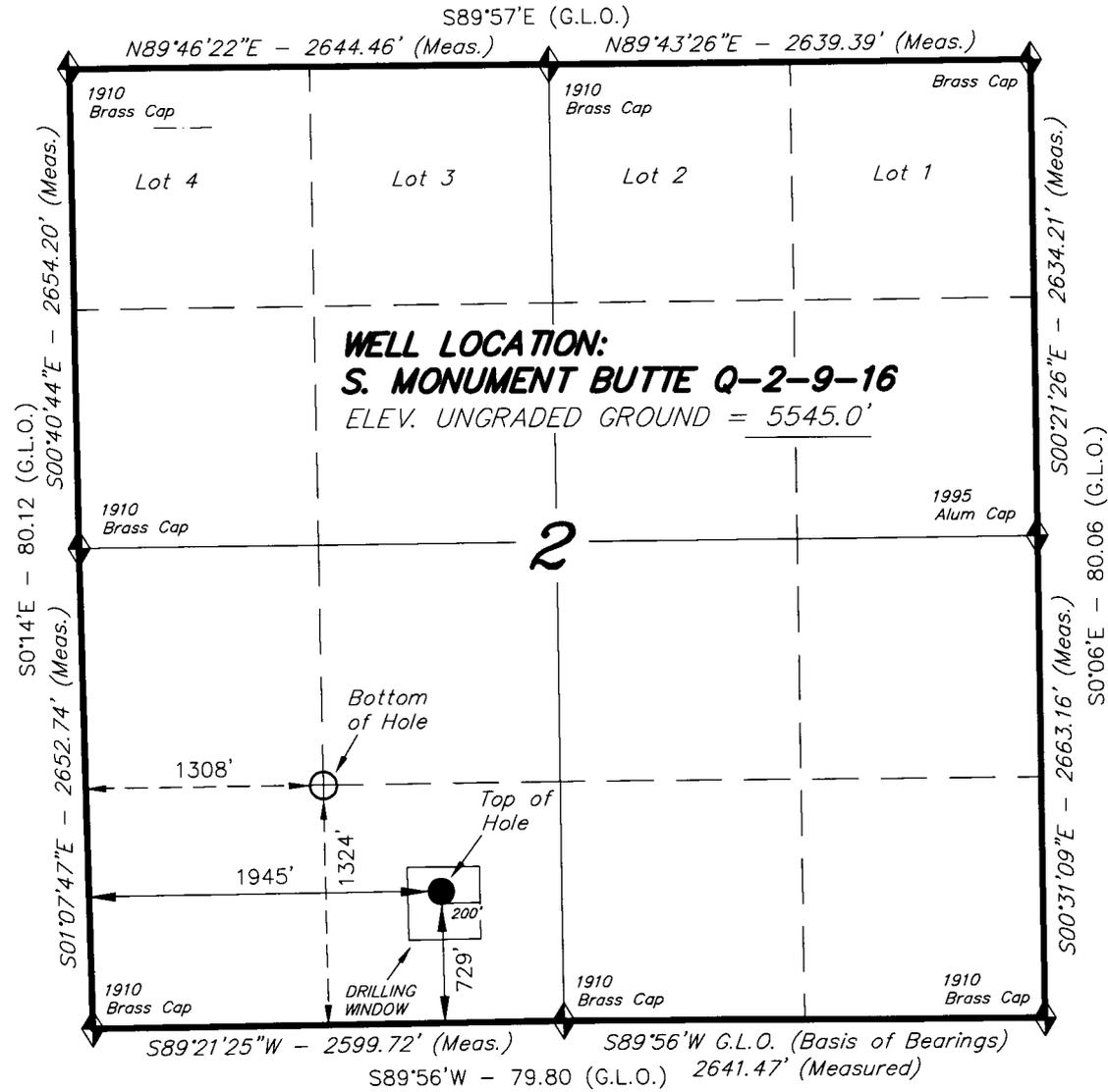
1. The bottom of hole bears N47°47'30"W 875.07' from the well head.

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



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

DATE SURVEYED: 5-23-06	SURVEYED BY: D.P.
DATE DRAWN: 5-23-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

S. MONUMENT BUTTE Q-2-9-16
(Surface Location) NAD 83
LATITUDE = 40° 03' 16.69"
LONGITUDE = 110° 05' 20.41"

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: 2005 Plan of Development South 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 2005 within the South Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
43-013-33219	So Mon Butte St S-2-9-16	Sec 2 T09S R16E 0748 FSL 0687 FEL BHL Sec 2 T09S R16E 1329 FSL 1321 FEL
43-013-33220	So Mon Butte St R-2-9-16	Sec 2 T09S R16E 2000 FSL 1985 FEL BHL Sec 2 T09S R16E 1326 FSL 2642 FEL
43-013-33221	So Mon Butte St Q-2-9-16	Sec 2 T09S R16E 0729 FSL 1945 FWL BHL Sec 2 T09S R16E 1324 FSL 1308 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 - South Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-28-06

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: SO MON BUTTE ST Q-2-9-16

Api No: 43-013-33221 Lease Type: STATE

Section 02 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 10/06/06

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by JOHNNY DAVIS

Telephone # (435) 823-3610

Date 10/06/06 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
MYTON, UT 84052

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		
B	99999	13195	43-013-33221	State Q-2-9-16	SE/SW	2	98	16E	DUCHESNE	10/06/06	10/12/06

WELL 1 COMMENTS: GRUV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		
B	99999	13195	43-013-33220	State R-2-9-16	NW/SE	2	95	16E	DUCHESNE	10/09/06	10/12/06

GRUV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		
A	99999	14844	43-047-36514	Sundance Federal 5-1-9-17	SW/NW	1	9S	17E	UNTAH	10/10/06	10/12/06

GRUV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or well 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)

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

RECEIVED
OCT 11 2006

Lana Nebeker
Signature

LANA NEBEKER

Production Analyst

October 11, 2006

Title

Date

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML-21839

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

S MON BUTTE UNIT

8. WELL NAME and NUMBER:

S MON BT Q-2-9-16

9. API NUMBER:

4301333221

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

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 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: 729 FSL 1945 FWL COUNTY: DUCHESNE

OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 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 type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
10/21/2006	<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 10/12/06 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 6406'. 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, 145jt's of 5.5 J-55, 15.5# csgn. Set @ 6363.91' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40bbbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 70,000 #'s tension. Release rig @ 9:00 AM 10/21/06.

NAME (PLEASE PRINT) Don Bastian

TITLE Drilling Foreman

SIGNATURE *Don Bastian*

DATE 10/21/2006

(This space for State use only)

RECEIVED

OCT 25 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6363.91

Fit cllr @ 5697.09

LAST CASING 8 5/8" SET # 323.07'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL State Q-2-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # NDSI #2

TD DRILLER 6406 Loggers 6389

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3975.50' (6.46')					
144	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6328.48
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	22.18
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6365.91
TOTAL LENGTH OF STRING		6365.91	145	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		176.97	4	CASING SET DEPTH			6363.91
TOTAL		6527.63	149	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6527.63	149				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB			Yes
BEGIN RUN CSG.		9:30 PM	10/20/2006	Bbls CMT CIRC TO SURFACE			40 bbls
CSG. IN HOLE		12:30AM	10/21/2006	RECIPROCATED PIPE FOR			THRUSTROKE NA
BEGIN CIRC		12:30 AM	10/21/2006	DID BACK PRES. VALVE HOLD ?			Yes
BEGIN PUMP CMT		2:20AM	10/21/2006	BUMPED PLUG TO			1690 PSI
BEGIN DSPL. CMT		3:16AM	10/21/2006				
PLUG DOWN		4:00AM	10/21/2006				

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	350	Premlite 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 Don Bastian DATE 10/21/2006

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:

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.

7. UNIT or CA AGREEMENT NAME:

S MON BUTTE UNIT

1. TYPE OF WELL:

OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:

SO. MON. BUTTE STATE #Q-2-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333221

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 729 FSL 1945 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 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 type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/29/2006	<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.

Status report for time period 11/08/06 - 11/21/06

Subject well had completion procedures initiated in the Green River formation on 11-08-06 without the use of a service rig over the well. A cement bond log was run and a total of SIX Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (6017'-6032'); Stage #2 (5360'-5369') Stage #3 (5161'-5168') Stage #4 (5018'-5028'); Stage #5 (4857'-4863'), (4838'-4844'); Stage #6 (4359'-4380'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 11-17-2006. Bridge plugs were drilled out and well was cleaned to 6330'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 11-21-2006.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE



DATE 11/29/2006

(This space for State use only)

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NOV 30 2006

DEPT. OF OIL, GAS & MINING

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

South Monument Butte

8. FARM OR LEASE NAME, WELL NO.

So. Monument Butte Q-2-9-16

9. WELL NO.

43-013-33221

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 2, T9S, R16E

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

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

At Surface **1324 FSL & 1308 FWT (SE/SW) Sec. 2, T9S, R16E**
At top prod. Interval reported below **729 FSL 1745 FWL**

At total depth **1398 FSL 1229 FWL**

14. API NO.
43-013-33221

DATE ISSUED
07/03/06

12. COUNTY OR PARISH
Duchesne

13. STATE
UT

15. DATE SPUNDED
10/06/06

16. DATE T.D. REACHED
10/19/06

17. DATE COMPL. (Ready to prod.)
11/21/06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5545' GL

19. ELEV. CASINGHEAD
5556' KB

20. TOTAL DEPTH, MD & TVD
6506 6397 6317

21. PLUG BACK T.D., MD & TVD
6330' 6242

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
----->

ROTARY TOOLS
X

CABLE TOOLS

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

Green River 4359'-6032'

25. WAS DIRECTIONAL SURVEY MADE

No/Yes

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#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6364'	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 @ 6119'	TA @ 6023'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 6017'-6032'	.46"	4/60	6017'-6032'	Frac w/ 82,483# 20/40 sand 632 bbls fluid
(A3) 5360'-5369'	.43"	4/36	5360'-5369'	Frac w/ 35,311# 20/40 sand in 423 bbls fluid
(B2) 5161'-5168'	.43"	4/28	5161'-5168'	Frac w/ 21,557# 20/40 sand in 388 bbls fluid
(C) 5018'-5028'	.43"	4/40	5018'-5028'	Frac w/ 49,955# 20/40 sand in 489 bbls fluid
(D1) 4857'-4863', 4838'-4844'	.43"	4/24	4838'-4844'	Frac w/ 24,859# 20/40 sand 333 bbls fluid
(GB6) 4359'-4380'	.43"	4/84	4359'-4380'	Frac w/ 157,500# 20/40 sand in 975 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
11/21/06	2-1/2" x 1-3/4" x 20' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	39	0	0	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

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

Sold & Used for Fuel

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35. LIST OF ATTACHMENTS

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

SIGNED

TITLE

Production Clerk

DIV. OF OIL, GAS & MINING
12/4/2006

JP

*(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

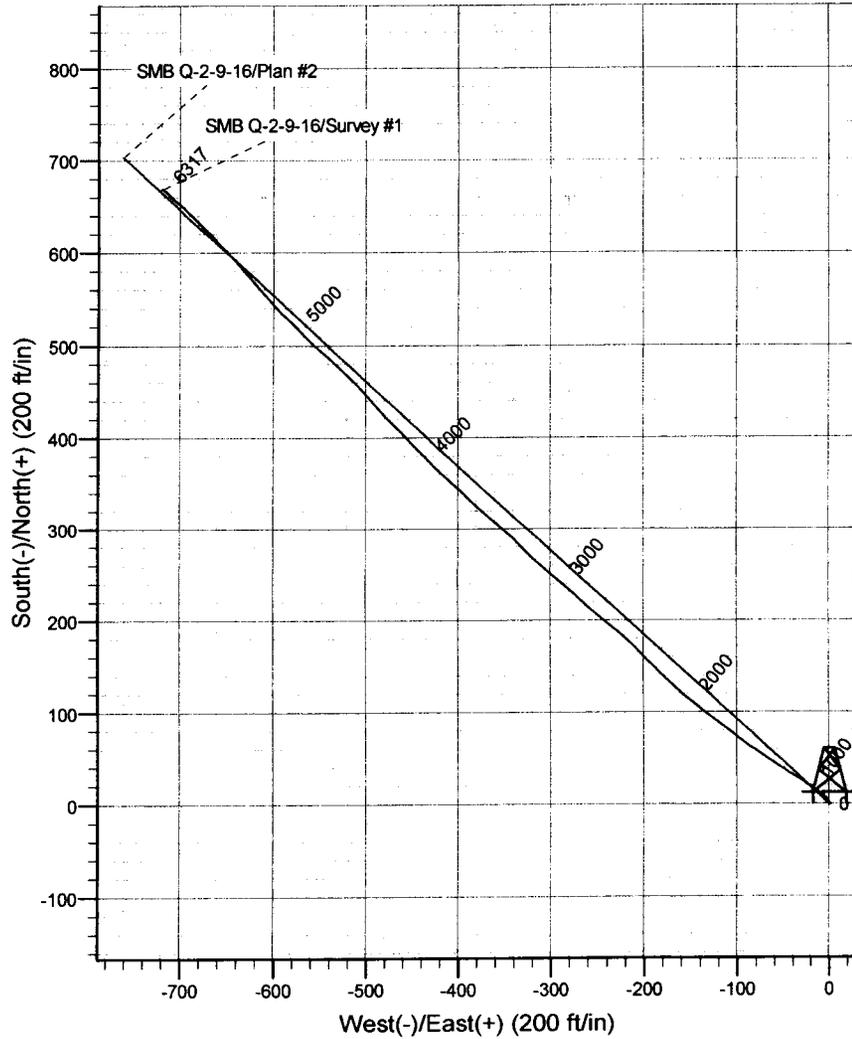
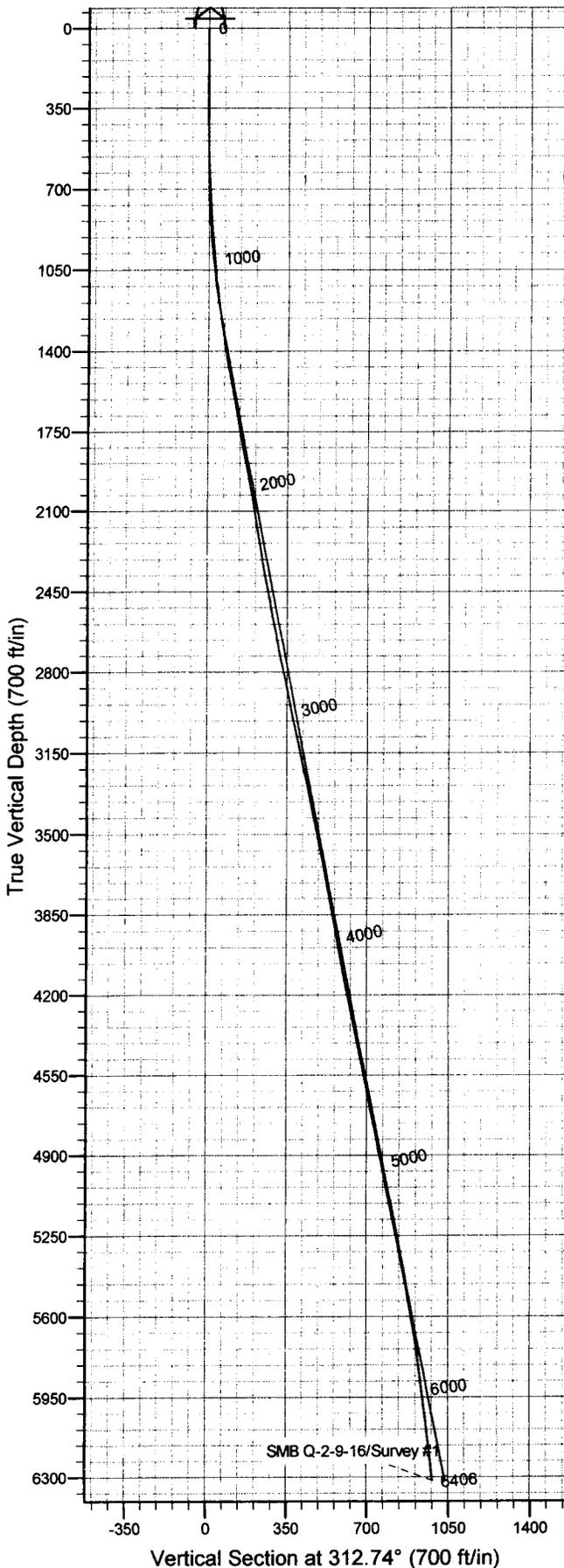
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name So. Monument Butte Q-2-9-16	Garden Gulch Mkr	3787'	
				Garden Gulch 1	4000'	
				Garden Gulch 2	4116'	
				Point 3 Mkr	4384'	
				X Mkr	4652'	
				Y-Mkr	4688'	
				Douglas Creek Mkr	4812'	
				BiCarbonate Mkr	5061'	
				B Limestone Mkr	5192'	
				Castle Peak	5687'	
				Basal Carbonate	6125'	
				Total Depth (LOGGERS)	6389'	



Scientific Drilling
Rocky Mountain Operations

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

Newfield Exploration Co.



WELL DETAILS: SMB Q-2-9-16

+N/-S	+E/-W	Ground Level: Northing	GL 5545' & RKB 12' @ 5557.00ft Easting	Latitude	Longitude	Slot
0.00	0.00	7191754.62	2035361.28	40° 3' 16.690 N	110° 5' 20.410 W	

REFERENCE INFORMATION

Co-ordinate (NE) Reference: Well SMB Q-2-9-16, True North
Vertical (TVD) Reference: GL 5545' & RKB 12' @ 5557.00ft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 5545' & RKB 12' @ 5557.00ft
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 (SMB Q-2-9-16/OH)

Created By: Julie Cruse Date: 2006-10-30

Newfield Exploration Co.

Duchesne County, UT

South Monument Butte Q-2-9-16

SMB Q-2-9-16

OH

Survey: Survey #1

Standard Survey Report

30 October, 2006

Scientific Drilling

Survey Report

Company:	Newfield Exploration Co.	Local Co-ordinate Reference:	Well SMB Q-2-9-16
Project:	Duchesne County, UT	TVD Reference:	GL 5545' & RKB 12' @ 5557.00ft
Site:	South Monument Butte Q-2-9-16	MD Reference:	GL 5545' & RKB 12' @ 5557.00ft
Well:	SMB Q-2-9-16	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.14.1.0 Single User Db

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

Site South Monument Butte Q-2-9-16, Sec. 2 T9S R16E				
Site Position:		Northing:	7,191,754.62 ft	Latitude: 40° 3' 16.690 N
From:	Lat/Long	Easting:	2,035,361.28 ft	Longitude: 110° 5' 20.410 W
Position Uncertainty:	0.00 ft	Slot Radius:	0.000 in	Grid Convergence: 0.90 °

Well SMB Q-2-9-16, SHL: 729' FSL, 1945' FWL				
Well Position	+N/-S	0.00 ft	Northing:	7,191,754.62 ft
	+E/-W	0.00 ft	Easting:	2,035,361.28 ft
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft
			Latitude:	40° 3' 16.690 N
			Longitude:	110° 5' 20.410 W
			Ground Level:	5,545.00 ft

Wellbore OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle
	IGRF200510	2006-10-03	(°) 11.92	(°) 65.92
				Field Strength
				(nT) 52,754

Design OH				
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	312.74

Survey Program		Date 2006-10-30		
From	To	Survey (Wellbore)	Tool Name	Description
(ft) 356.00	(ft) 6,406.00	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
356.00	0.69	110.94	355.99	-0.77	2.00	-1.99	0.19	0.19	0.00
387.00	0.20	120.61	386.99	-0.86	2.22	-2.22	1.59	-1.58	31.19
479.00	1.08	325.50	478.99	-0.23	1.87	-1.53	1.37	0.96	-168.60
509.00	1.38	321.83	508.98	0.29	1.49	-0.90	1.03	1.00	-12.23
602.00	2.17	324.91	601.93	2.61	-0.22	1.93	0.86	0.85	3.31
693.00	2.91	316.74	692.84	5.70	-2.79	5.92	0.90	0.81	-8.98
785.00	3.71	311.14	784.69	9.36	-6.63	11.23	0.94	0.87	-6.09
876.00	3.97	305.34	875.49	13.12	-11.42	17.29	0.51	0.29	-6.37
970.00	4.76	305.26	969.21	17.25	-17.26	24.39	0.84	0.84	-0.09
1,001.00	4.81	304.05	1,000.10	18.72	-19.39	26.95	0.36	0.16	-3.90
1,032.00	5.23	302.08	1,030.99	20.20	-21.66	29.62	1.46	1.35	-6.35
1,063.00	5.51	300.56	1,061.85	21.71	-24.14	32.46	1.01	0.90	-4.90

Scientific Drilling Survey Report

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

Local Co-ordinate Reference: Well SMB Q-2-9-16
TVD Reference: GL 5545' & RKB 12' @ 5557.00ft
MD Reference: GL 5545' & RKB 12' @ 5557.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14.1.0 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,093.00	6.39	301.44	1,091.69	23.31	-26.80	35.51	2.95	2.93	2.93
1,125.00	6.61	302.30	1,123.48	25.23	-29.88	39.07	0.75	0.69	2.69
1,156.00	7.17	301.57	1,154.26	27.19	-33.04	42.72	1.83	1.81	-2.35
1,187.00	7.32	300.82	1,185.01	29.22	-36.38	46.55	0.57	0.48	-2.42
1,218.00	7.68	301.61	1,215.74	31.31	-39.84	50.51	1.21	1.16	2.55
1,250.00	7.99	302.11	1,247.45	33.62	-43.55	54.80	0.99	0.97	1.56
1,281.00	8.29	303.30	1,278.13	35.99	-47.24	59.12	1.11	0.97	3.84
1,313.00	8.33	304.06	1,309.80	38.55	-51.09	63.69	0.37	0.12	2.37
1,345.00	9.00	304.74	1,341.43	41.28	-55.06	68.46	2.12	2.09	2.12
1,376.00	9.24	304.24	1,372.04	44.06	-59.11	73.32	0.82	0.77	-1.61
1,407.00	9.74	304.85	1,402.62	46.96	-63.32	78.38	1.65	1.61	1.97
1,438.00	9.82	304.98	1,433.17	49.97	-67.64	83.59	0.27	0.26	0.42
1,470.00	10.15	303.89	1,464.68	53.11	-72.22	89.08	1.19	1.03	-3.41
1,500.00	10.50	304.05	1,494.19	56.12	-76.68	94.40	1.17	1.17	0.53
1,531.00	10.69	304.85	1,524.67	59.34	-81.38	100.04	0.78	0.61	2.58
1,562.00	10.93	306.97	1,555.12	62.75	-86.08	105.81	1.50	0.77	6.84
1,593.00	11.02	307.78	1,585.55	66.33	-90.77	111.69	0.58	0.29	2.61
1,625.00	11.03	308.19	1,616.96	70.10	-95.60	117.79	0.25	0.03	1.28
1,718.00	10.51	306.55	1,708.32	80.65	-109.40	135.09	0.65	-0.56	-1.76
1,813.00	10.32	308.48	1,801.76	91.11	-123.03	152.19	0.42	-0.20	2.03
1,907.00	10.63	308.75	1,894.19	101.77	-136.38	169.23	0.33	0.33	0.29
2,000.00	10.53	309.84	1,985.61	112.58	-149.59	186.28	0.24	-0.11	1.17
2,092.00	9.35	311.25	2,076.23	122.90	-161.67	202.14	1.31	-1.28	1.53
2,186.00	9.14	315.61	2,169.01	133.27	-172.63	217.23	0.78	-0.22	4.64
2,280.00	8.81	315.93	2,261.85	143.77	-182.86	231.88	0.36	-0.35	0.34
2,375.00	10.44	314.83	2,355.51	155.07	-194.03	247.74	1.73	1.72	-1.16
2,468.00	10.80	315.26	2,446.92	167.20	-206.13	264.87	0.40	0.39	0.46
2,561.00	11.58	314.22	2,538.15	179.90	-218.96	282.90	0.87	0.84	-1.12
2,654.00	10.08	307.74	2,629.50	191.39	-232.08	300.34	2.07	-1.61	-6.97
2,748.00	10.65	310.37	2,721.96	202.05	-245.21	317.22	0.79	0.61	2.80
2,843.00	12.93	312.51	2,814.95	214.92	-259.73	336.62	2.44	2.40	2.25
2,936.00	12.30	311.99	2,905.71	228.58	-274.77	356.93	0.69	-0.68	-0.56
3,030.00	11.64	310.92	2,997.66	241.49	-289.37	376.42	0.74	-0.70	-1.14
3,124.00	12.58	311.82	3,089.57	254.53	-304.17	396.13	1.02	1.00	0.96
3,217.00	11.44	313.99	3,180.53	267.69	-318.35	415.48	1.32	-1.23	2.33
3,310.00	12.73	316.33	3,271.47	281.51	-332.06	434.93	1.48	1.39	2.52
3,405.00	11.53	311.57	3,364.35	295.38	-346.39	454.87	1.64	-1.26	-5.01
3,498.00	11.94	311.28	3,455.41	307.89	-360.58	473.78	0.45	0.44	-0.31
3,591.00	11.18	311.93	3,546.52	320.26	-374.51	492.41	0.83	-0.82	0.70
3,683.00	10.88	314.68	3,636.82	332.33	-387.32	510.01	0.66	-0.33	2.99
3,776.00	11.05	314.78	3,728.12	344.78	-399.89	527.69	0.18	0.18	0.11
3,869.00	9.49	311.69	3,819.63	356.15	-411.94	544.26	1.78	-1.68	-3.32
3,962.00	11.03	314.15	3,911.14	367.45	-424.05	560.82	1.72	1.66	2.65
4,057.00	11.08	317.07	4,004.38	380.47	-436.79	579.01	0.59	0.05	3.07
4,159.00	10.64	315.86	4,104.55	394.40	-450.02	598.18	0.49	-0.43	-1.19
4,253.00	11.69	313.99	4,196.77	407.24	-462.92	616.37	1.18	1.12	-1.99
4,346.00	11.62	317.25	4,287.86	420.66	-476.06	635.13	0.71	-0.08	3.51
4,439.00	11.05	320.39	4,379.04	434.41	-488.10	653.30	0.90	-0.61	3.38
4,534.00	11.30	316.40	4,472.24	448.16	-500.32	671.61	0.86	0.26	-4.20
4,627.00	11.97	315.67	4,563.33	461.66	-513.34	690.33	0.74	0.72	-0.78
4,721.00	10.01	312.91	4,655.60	474.19	-526.14	708.24	2.16	-2.09	-2.94
4,813.00	11.30	311.28	4,746.02	485.59	-538.77	725.25	1.44	1.40	-1.77
4,907.00	10.66	312.50	4,838.29	497.54	-552.10	743.15	0.72	-0.68	1.30
5,002.00	11.77	313.11	4,931.48	510.09	-565.65	761.62	1.18	1.17	0.64

Scientific Drilling Survey Report

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

Local Co-ordinate Reference: Well SMB Q-2-9-16
TVD Reference: GL 5545' & RKB 12' @ 5557.00ft
MD Reference: GL 5545' & RKB 12' @ 5557.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14.1.0 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,094.00	10.87	315.00	5,021.69	522.64	-578.64	779.68	1.06	-0.98	2.05
5,188.00	11.77	316.47	5,113.86	535.86	-591.51	798.10	1.01	0.96	1.56
5,282.00	10.93	316.84	5,206.02	549.31	-604.21	816.56	0.90	-0.89	0.39
5,372.00	11.24	319.12	5,294.34	562.17	-615.78	833.78	0.60	0.34	2.53
5,466.00	10.78	320.41	5,386.61	575.87	-627.38	851.60	0.56	-0.49	1.37
5,560.00	11.18	317.64	5,478.89	589.38	-639.12	869.39	0.70	0.43	-2.95
5,581.51	10.90	317.54	5,500.00	592.42	-641.90	873.50	1.31	-1.31	-0.46
SMB Q-2-9-16 5500									
5,654.00	9.95	317.17	5,571.30	602.07	-650.79	886.57	1.31	-1.31	-0.51
5,747.00	8.87	319.15	5,663.04	613.38	-660.94	901.71	1.21	-1.16	2.13
5,842.00	7.85	315.47	5,757.03	623.55	-670.28	915.46	1.21	-1.07	-3.87
5,935.00	7.60	314.65	5,849.19	632.40	-679.11	927.96	0.29	-0.27	-0.88
6,029.00	7.03	313.84	5,942.42	640.75	-687.68	939.92	0.62	-0.61	-0.86
6,123.00	6.79	312.61	6,035.74	648.50	-695.92	951.23	0.30	-0.26	-1.31
6,216.00	6.89	311.54	6,128.08	655.92	-704.14	962.30	0.17	0.11	-1.15
6,309.00	5.51	313.28	6,220.53	662.68	-711.57	972.34	1.50	-1.48	1.87
6,356.00	5.14	311.59	6,267.33	665.62	-714.78	976.71	0.85	-0.79	-3.60
6,405.87	5.14	311.59	6,317.00	668.59	-718.12	981.17	0.00	0.00	0.00
SMB Q-2-9-16 BHL									
6,406.00	5.14	311.59	6,317.13	668.60	-718.13	981.18	0.00	0.00	0.00
Projection to TD									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SMB Q-2-9-16 BHL - survey misses by 109.09ft at 6396.06ft MD (6307.23 TVD, 668.00 N, -717.47 E) - Point	0.00	0.00	6,317.00	595.00	-637.00	7,192,339.50	2,034,714.97	40° 3' 22.570 N	110° 5' 28.603 W
SMB Q-2-9-16 5500 - survey misses by 4.65ft at 5582.36ft MD (5500.84 TVD, 592.54 N, -642.01 E) - Circle (radius 75.00)	0.00	0.00	5,500.00	596.00	-645.00	7,192,340.37	2,034,706.96	40° 3' 22.580 N	110° 5' 28.706 W

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,406.00	6,317.13	668.60	-718.13	Projection to TD

Checked By: _____ Approved By: _____ Date: _____