

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-79017
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary II Federal R-34-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-34039
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 676' FSL 1962' FWL At proposed prod. zone SW 1255' FSL 2600' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 15.9 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 34, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' f/lse, 2600' f/unit	16. No. of Acres in lease 160.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1296'	19. Proposed Depth 6185'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5073' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/15/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 07-31-08
Title Office	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action Is Necessary

RECEIVED

JUL 22 2008

DIV. OF OIL, GAS & MINING

Surf

BHL

585756X
4435703Y
40.069120
-109.994374

585969X
4435883Y
40.070718
-109.991860

**NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL R-34-8-17
AT SURFACE: SE/SW SECTION 34, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1490'
Green River	1490'
Wasatch	6185'

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

Green River Formation 1490' – 6185' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL R-34-8-17
AT SURFACE: SE/SW SECTION 34, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Boundary II Federal R-34-8-17 located in the SE 1/4 SW 1/4 Section 34, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles \pm to its junction with an existing dirt road to the northeast; proceed northeasterly - 2.1 miles \pm to its junction with an existing road to the west; proceed in a westerly direction - 0.8 miles \pm to its junction with the beginning of the access road to the existing Federal 14-34-8-17 well location.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 14-34-8-17 well pad. See attached **Topographic Map "B"**.

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 Federal 14-34-8-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Greater Boundary II Federal R-34-8-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-10136

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Greater Boundary II Federal R-34-8-17 will be drilled off of the existing Federal 14-34-8-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 180' of disturbed area be granted in Lease UTU-79017 to allow for construction of the proposed surface gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 10" or smaller gas gathering line, and a 3" poly fuel gas line and 30' wide upon completion of the proposed gas lines. Both lines will tie in to the existing pipeline infrastructure. Refer to **Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

The Archaeological Resource Survey and Paleontological Resource Survey for the 180' of proposed water injection line are attached. MOAC Report #04-94, 6/2/04. Paleontological Resource Survey prepared by, Wade E. Miller, 7/9/04. See attached report cover pages, **Exhibit "D"**.

Water Disposal

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), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15

and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Greater Boundary II Federal R-34-8-17 was on-sited on 6/11/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

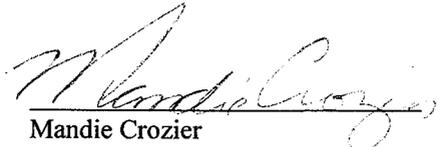
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #R-34-8-17 SE/SW Section 34, Township 8S, Range 17E: Lease UTU-79017 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, Federal Bond #WYB000493.

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 18 U.S.C. 1001 for the filing of a false statement.

7/15/08

Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

CULTURAL RESOURCE INVENTORY OF INLAND
RESOURCES' SIX BLOCK PARCELS (T8S, R17E, SEC. 20, 33, 34;
T9S R16E S. 15; T9S R17E S. 17, 20; and T9S R18E S. 7)
DUCHESNE AND Uintah COUNTIES, UTAH

by

Melissa Elkins
and
Keith Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Resources
Route 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 04-94

June 2, 2004

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0436b,p

INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE & Uintah COUNTIES, UTAH**

Section 34, T 8 S, R 17 E (NW/SW, SW/SW, SE/SW, SW/SE);
Section 20, T 8 S, R 17 E (NW/SE); Section 17, T 9 S, R 17 E
(SE/SW, SW/SE, SE/SE); Section 20, T 9 S, R 17 E (NE/NE, NE/NW);
Section 8, T 9 S, R 18 E (excluding NW/NW, SW/NE, NE/SW, NW/SW, SW/SE)

REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
July 9, 2004



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary R-34-8-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

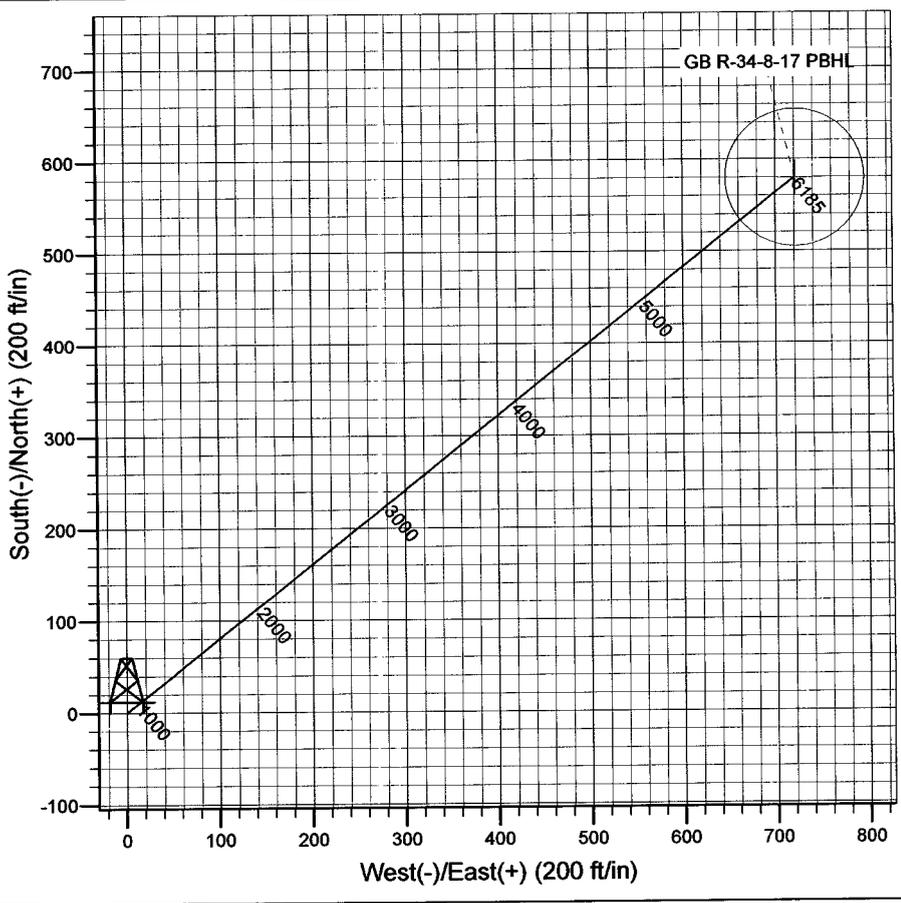
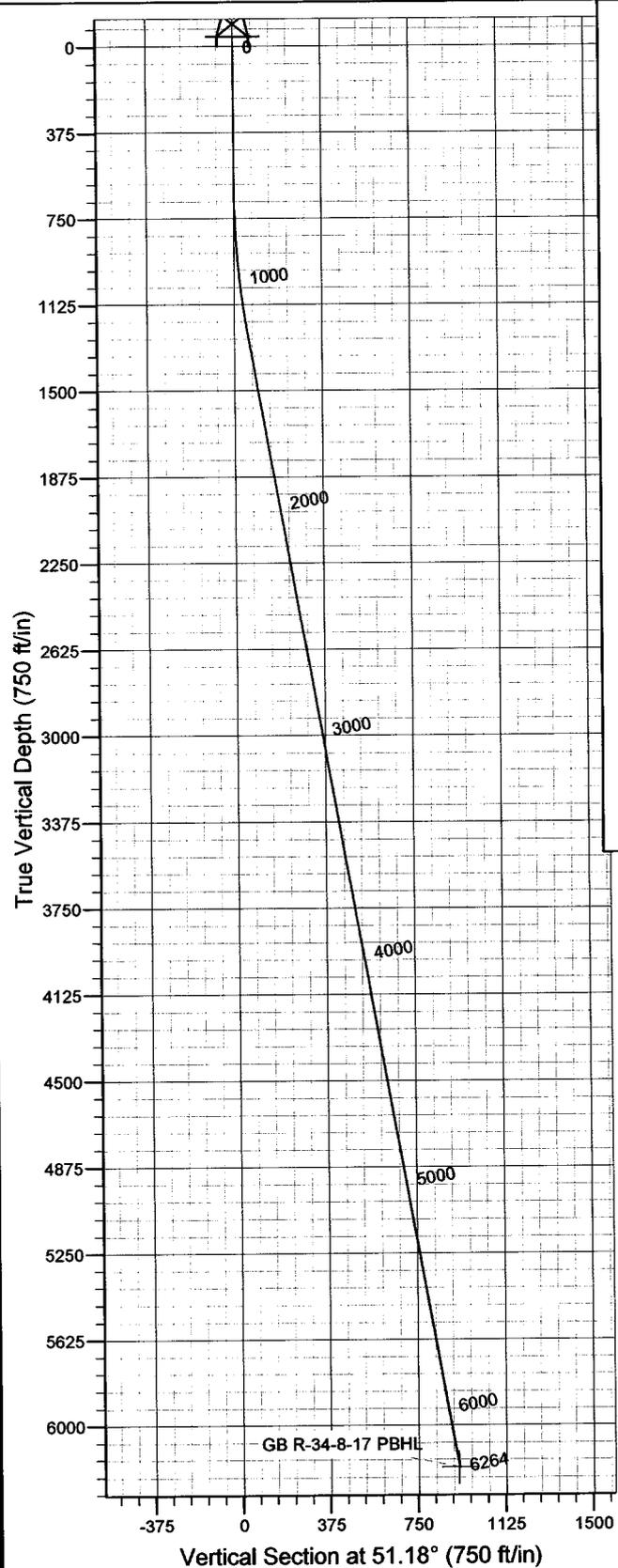


Azimuths to True North
Magnetic North: 11.65°

Magnetic Field
Strength: 52610.9snT
Dip Angle: 65.91°
Date: 2008-07-13
Model: IGRF2005-10

WELL DETAILS: Greater Boundary R-34-8-17

GL 5073' & RKB 12' @ 5085.00ft 5073.00
+N/-S 0.00 +E/-W 0.00 Northing 7197429.57 Easting 2061551.08 Latitude 40° 4' 8.550 N Longitude 109° 59' 42.400 W



Plan: Plan #1 (Greater Boundary R-34-8-17/OH)

Created By: Julie Cruse Date: 2008-07-13

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1266.30	9.99	51.18	1262.93	36.34	45.16	1.50	51.18	57.97	
6264.22	9.99	51.18	6185.00	580.10	720.98	0.00	0.00	925.38	GB R-34-8-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary

Greater Boundary R-34-8-17

OH

Plan: Plan #1

Standard Planning Report

13 July, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary R-34-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary R-34-8-17
TVD Reference: GL 5073' & RKB 12' @ 5085.00ft
MD Reference: GL 5073' & RKB 12' @ 5085.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Greater Boundary				
Site Position:		Northing:	7,202,495.58 ft	Latitude:	40° 4' 59.260 N
From:	Lat/Long	Easting:	2,057,628.96 ft	Longitude:	110° 0' 31.760 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.96 °

Well	Greater Boundary R-34-8-17, 676' FSL 1962' FWL Sec 34 T8S R17E					
Well Position	+N-S	0.00 ft	Northing:	7,197,429.57 ft	Latitude:	40° 4' 8.550 N
	+E-W	0.00 ft	Easting:	2,061,551.08 ft	Longitude:	109° 59' 42.400 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,073.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-07-13	11.65	65.91	52,611

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	0.00	0.00	0.00	51.18	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,266.30	9.99	51.18	1,262.93	36.34	45.16	1.50	1.50	0.00	51.18	
6,264.22	9.99	51.18	6,185.00	580.10	720.98	0.00	0.00	0.00	0.00	GB R-34-8-17 PBHL

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary R-34-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary R-34-8-17
TVD Reference: GL 5073' & RKB 12' @ 5085.00ft
MD Reference: GL 5073' & RKB 12' @ 5085.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	51.18	699.99	0.82	1.02	1.31	1.50	1.50	0.00
800.00	3.00	51.18	799.91	3.28	4.08	5.23	1.50	1.50	0.00
900.00	4.50	51.18	899.69	7.38	9.17	11.77	1.50	1.50	0.00
1,000.00	6.00	51.18	999.27	13.12	16.30	20.92	1.50	1.50	0.00
1,100.00	7.50	51.18	1,098.57	20.49	25.46	32.68	1.50	1.50	0.00
1,200.00	9.00	51.18	1,197.54	29.48	36.64	47.03	1.50	1.50	0.00
1,266.30	9.99	51.18	1,262.93	36.34	45.16	57.97	1.50	1.50	0.00
1,300.00	9.99	51.18	1,296.11	40.00	49.72	63.82	0.00	0.00	0.00
1,400.00	9.99	51.18	1,394.60	50.88	63.24	81.17	0.00	0.00	0.00
1,500.00	9.99	51.18	1,493.08	61.76	76.76	98.53	0.00	0.00	0.00
1,600.00	9.99	51.18	1,591.56	72.64	90.29	115.88	0.00	0.00	0.00
1,700.00	9.99	51.18	1,690.04	83.52	103.81	133.24	0.00	0.00	0.00
1,800.00	9.99	51.18	1,788.53	94.40	117.33	150.59	0.00	0.00	0.00
1,900.00	9.99	51.18	1,887.01	105.28	130.85	167.95	0.00	0.00	0.00
2,000.00	9.99	51.18	1,985.49	116.16	144.37	185.30	0.00	0.00	0.00
2,100.00	9.99	51.18	2,083.97	127.04	157.90	202.66	0.00	0.00	0.00
2,200.00	9.99	51.18	2,182.46	137.92	171.42	220.01	0.00	0.00	0.00
2,300.00	9.99	51.18	2,280.94	148.80	184.94	237.37	0.00	0.00	0.00
2,400.00	9.99	51.18	2,379.42	159.68	198.46	254.73	0.00	0.00	0.00
2,500.00	9.99	51.18	2,477.90	170.56	211.98	272.08	0.00	0.00	0.00
2,600.00	9.99	51.18	2,576.39	181.44	225.51	289.44	0.00	0.00	0.00
2,700.00	9.99	51.18	2,674.87	192.32	239.03	306.79	0.00	0.00	0.00
2,800.00	9.99	51.18	2,773.35	203.20	252.55	324.15	0.00	0.00	0.00
2,900.00	9.99	51.18	2,871.83	214.08	266.07	341.50	0.00	0.00	0.00
3,000.00	9.99	51.18	2,970.32	224.96	279.59	358.86	0.00	0.00	0.00
3,100.00	9.99	51.18	3,068.80	235.84	293.12	376.21	0.00	0.00	0.00
3,200.00	9.99	51.18	3,167.28	246.72	306.64	393.57	0.00	0.00	0.00
3,300.00	9.99	51.18	3,265.76	257.60	320.16	410.92	0.00	0.00	0.00
3,400.00	9.99	51.18	3,364.25	268.48	333.68	428.28	0.00	0.00	0.00
3,500.00	9.99	51.18	3,462.73	279.36	347.20	445.64	0.00	0.00	0.00
3,600.00	9.99	51.18	3,561.21	290.24	360.73	462.99	0.00	0.00	0.00
3,700.00	9.99	51.18	3,659.69	301.12	374.25	480.35	0.00	0.00	0.00
3,800.00	9.99	51.18	3,758.18	312.00	387.77	497.70	0.00	0.00	0.00
3,900.00	9.99	51.18	3,856.66	322.88	401.29	515.06	0.00	0.00	0.00
4,000.00	9.99	51.18	3,955.14	333.76	414.81	532.41	0.00	0.00	0.00
4,100.00	9.99	51.18	4,053.62	344.64	428.34	549.77	0.00	0.00	0.00
4,200.00	9.99	51.18	4,152.10	355.52	441.86	567.12	0.00	0.00	0.00
4,300.00	9.99	51.18	4,250.59	366.40	455.38	584.48	0.00	0.00	0.00
4,400.00	9.99	51.18	4,349.07	377.28	468.90	601.84	0.00	0.00	0.00
4,500.00	9.99	51.18	4,447.55	388.16	482.42	619.19	0.00	0.00	0.00
4,600.00	9.99	51.18	4,546.03	399.04	495.95	636.55	0.00	0.00	0.00
4,700.00	9.99	51.18	4,644.52	409.92	509.47	653.90	0.00	0.00	0.00
4,800.00	9.99	51.18	4,743.00	420.79	522.99	671.26	0.00	0.00	0.00
4,900.00	9.99	51.18	4,841.48	431.67	536.51	688.61	0.00	0.00	0.00
5,000.00	9.99	51.18	4,939.96	442.55	550.03	705.97	0.00	0.00	0.00
5,100.00	9.99	51.18	5,038.45	453.43	563.56	723.32	0.00	0.00	0.00
5,200.00	9.99	51.18	5,136.93	464.31	577.08	740.68	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary R-34-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary R-34-8-17
TVD Reference: GL 5073' & RKB 12' @ 5085.00ft
MD Reference: GL 5073' & RKB 12' @ 5085.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.99	51.18	5,235.41	475.19	590.60	758.03	0.00	0.00	0.00
5,400.00	9.99	51.18	5,333.89	486.07	604.12	775.39	0.00	0.00	0.00
5,500.00	9.99	51.18	5,432.38	496.95	617.64	792.75	0.00	0.00	0.00
5,600.00	9.99	51.18	5,530.86	507.83	631.17	810.10	0.00	0.00	0.00
5,700.00	9.99	51.18	5,629.34	518.71	644.69	827.46	0.00	0.00	0.00
5,800.00	9.99	51.18	5,727.82	529.59	658.21	844.81	0.00	0.00	0.00
5,900.00	9.99	51.18	5,826.31	540.47	671.73	862.17	0.00	0.00	0.00
6,000.00	9.99	51.18	5,924.79	551.35	685.25	879.52	0.00	0.00	0.00
6,100.00	9.99	51.18	6,023.27	562.23	698.78	896.88	0.00	0.00	0.00
6,200.00	9.99	51.18	6,121.75	573.11	712.30	914.23	0.00	0.00	0.00
6,264.22	9.99	51.18	6,185.00	580.10	720.98	925.38	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GB R-34-8-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,185.00	580.10	720.98	7,198,021.72	2,062,262.20	40° 4' 14.283 N	109° 59' 33.125 W

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY R-34-8-17 (Proposed Well)

GREATER BOUNDARY 14-34-8-17 (Existing Well)

Pad Location: *SESW Section 34, T8S, R17E, S.L.B.&M.*

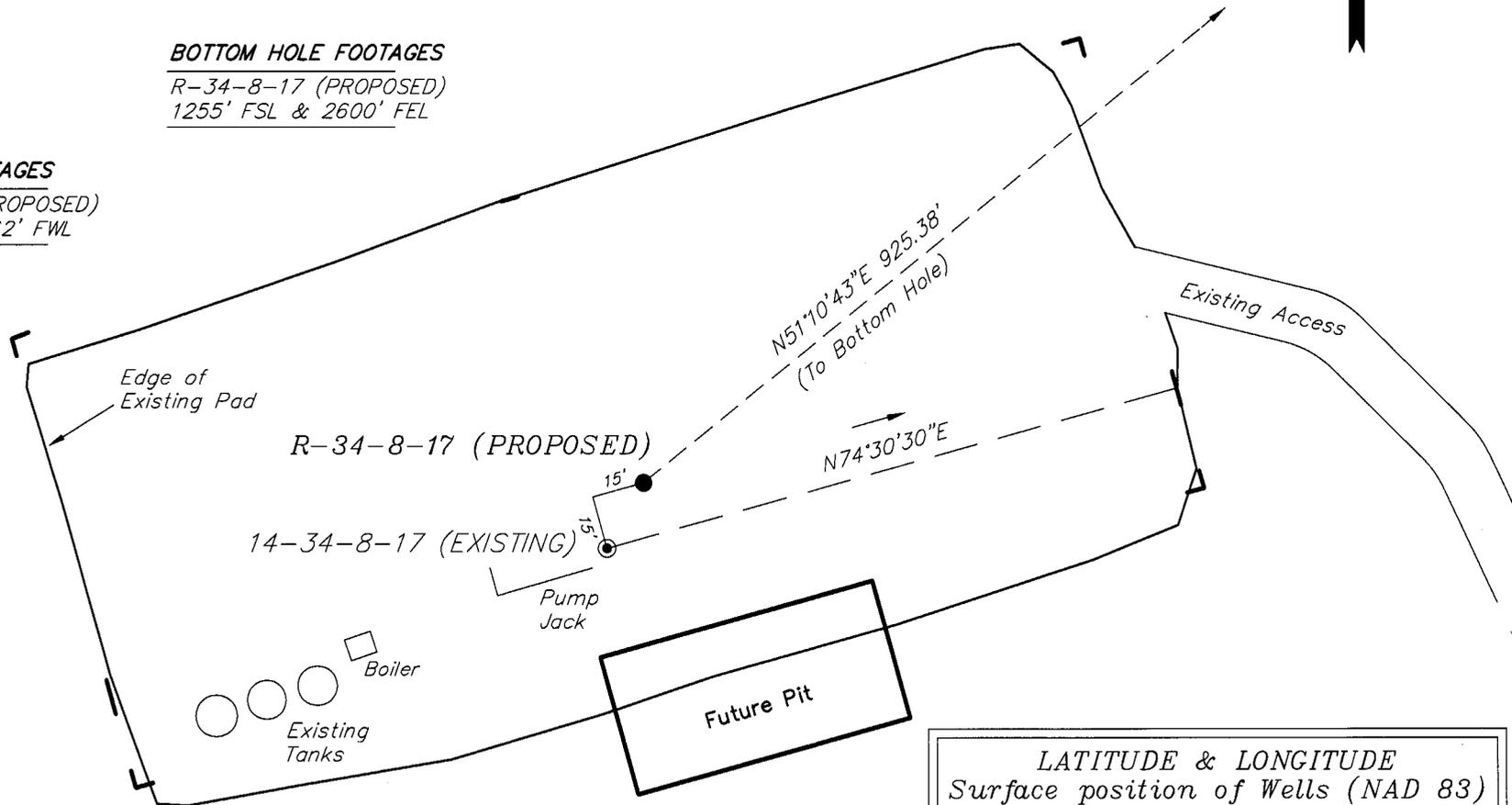


BOTTOM HOLE FOOTAGES

R-34-8-17 (PROPOSED)
1255' FSL & 2600' FEL

TOP HOLE FOOTAGES

R-34-8-17 (PROPOSED)
676' FSL & 1962' FWL



Note:
Bearings are based on
GLO Information.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
R-34-8-17	580'	721'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
R-34-8-17	40° 04' 08.55"	109° 59' 42.40"
14-34-8-17	40° 04' 08.37"	109° 59' 42.54"

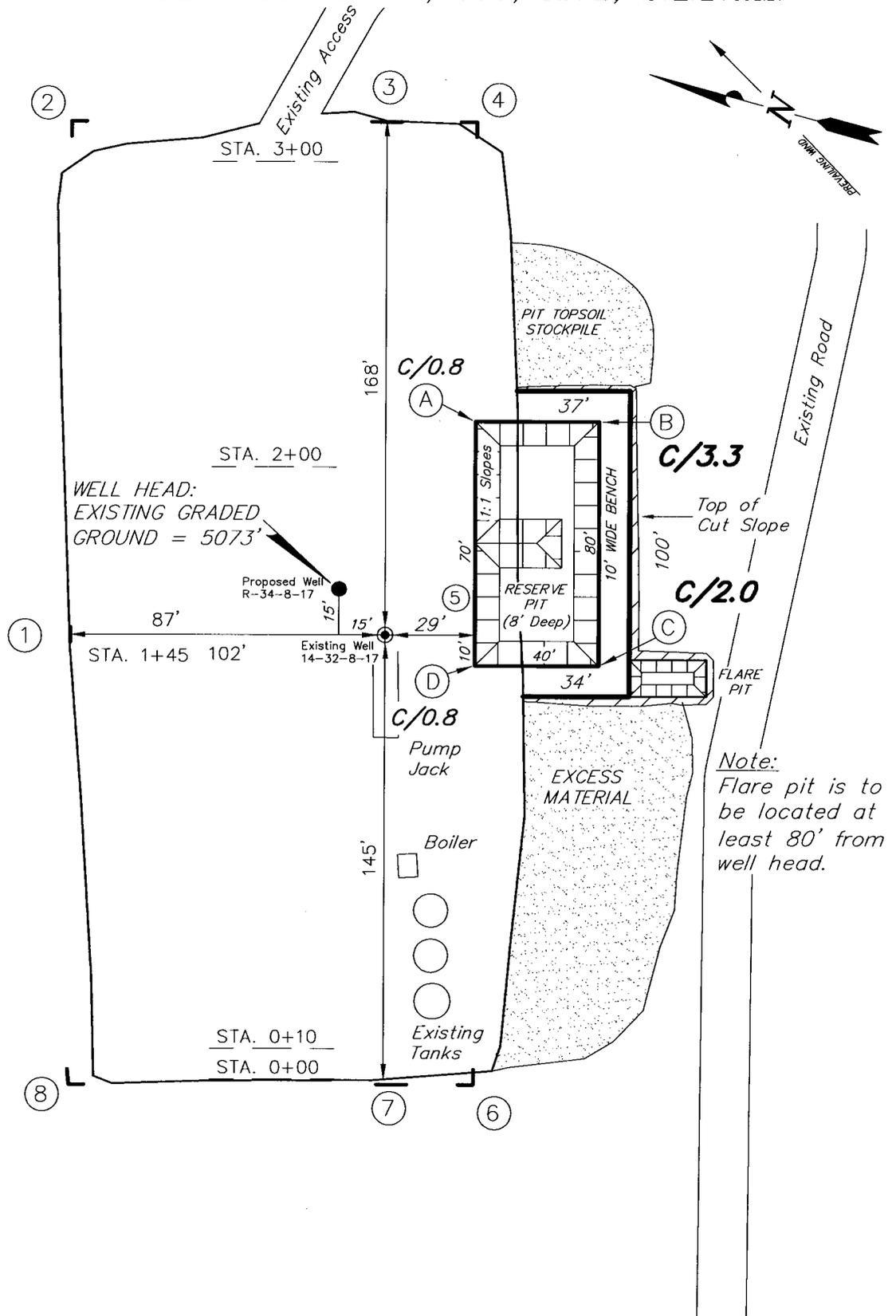
SURVEYED BY: T.H.	DATE SURVEYED: 5-2-08
DRAWN BY: M.W.	DATE DRAWN: 5-5-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY R-34-8-17 (Proposed Well)
GREATER BOUNDARY 14-34-8-17 (Existing Well)

Pad Location: SESW Section 34, T8S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 5-2-08
DRAWN BY: M.W.	DATE DRAWN: 5-5-08
SCALE: 1" = 50'	REVISED:

(435) 781-2501

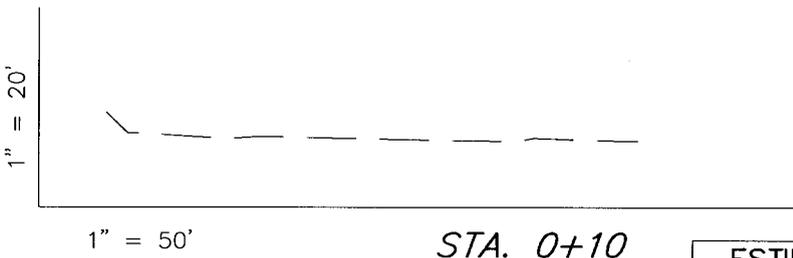
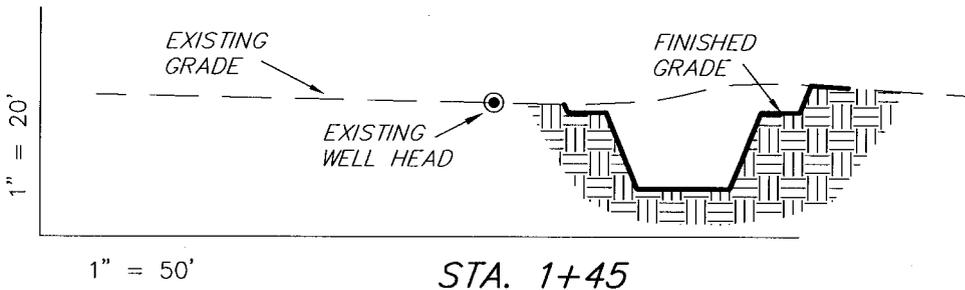
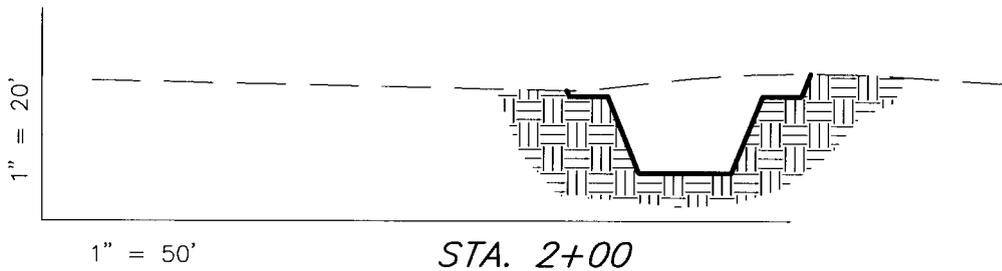
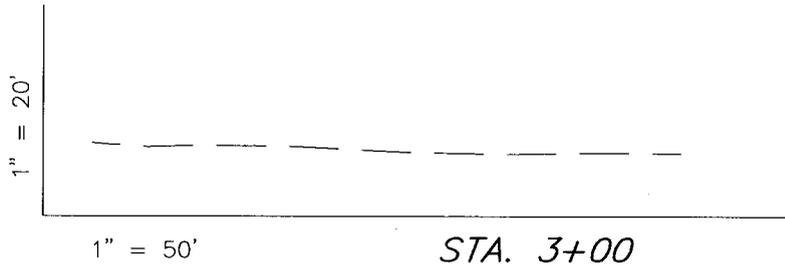
Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY R-34-8-17 (Proposed Well)

GREATER BOUNDARY 14-34-8-17 (Existing Well)



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	460	0	Topsoil is not included in Pad Cut	460
PIT	640	0		640
TOTALS	1,100	0	130	1,100

SURVEYED BY: T.H.

DATE SURVEYED: 5-2-08

DRAWN BY: M.W.

DATE DRAWN: 5-5-08

SCALE: 1" = 50'

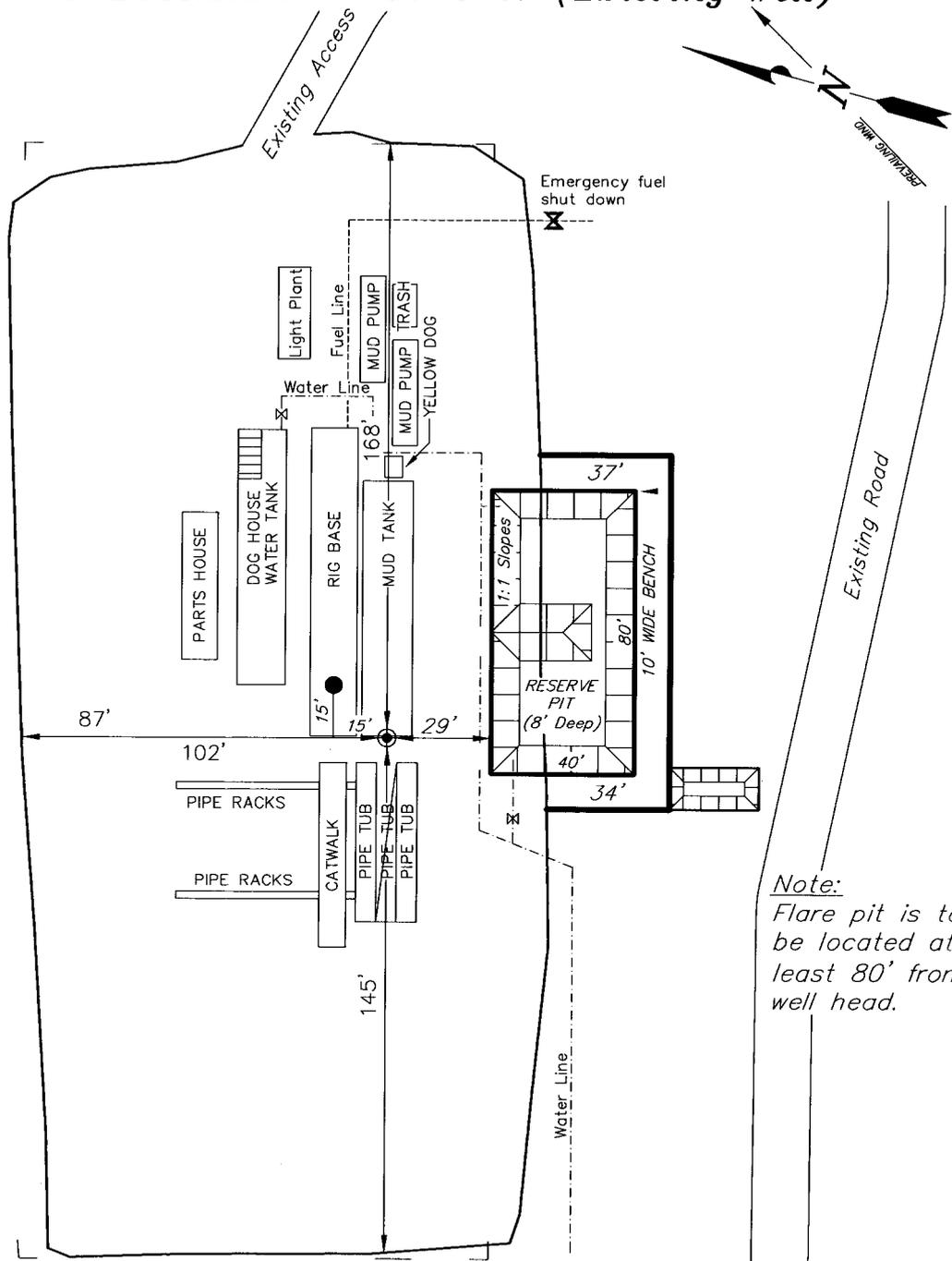
REVISED:

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY R-34-8-17 (Proposed Well)
 GREATER BOUNDARY 14-34-8-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 5-2-08
DRAWN BY: M.W.	DATE DRAWN: 5-5-08
SCALE: 1" = 50'	REVISED:

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

Newfield Production Company Proposed Site Facility Diagram

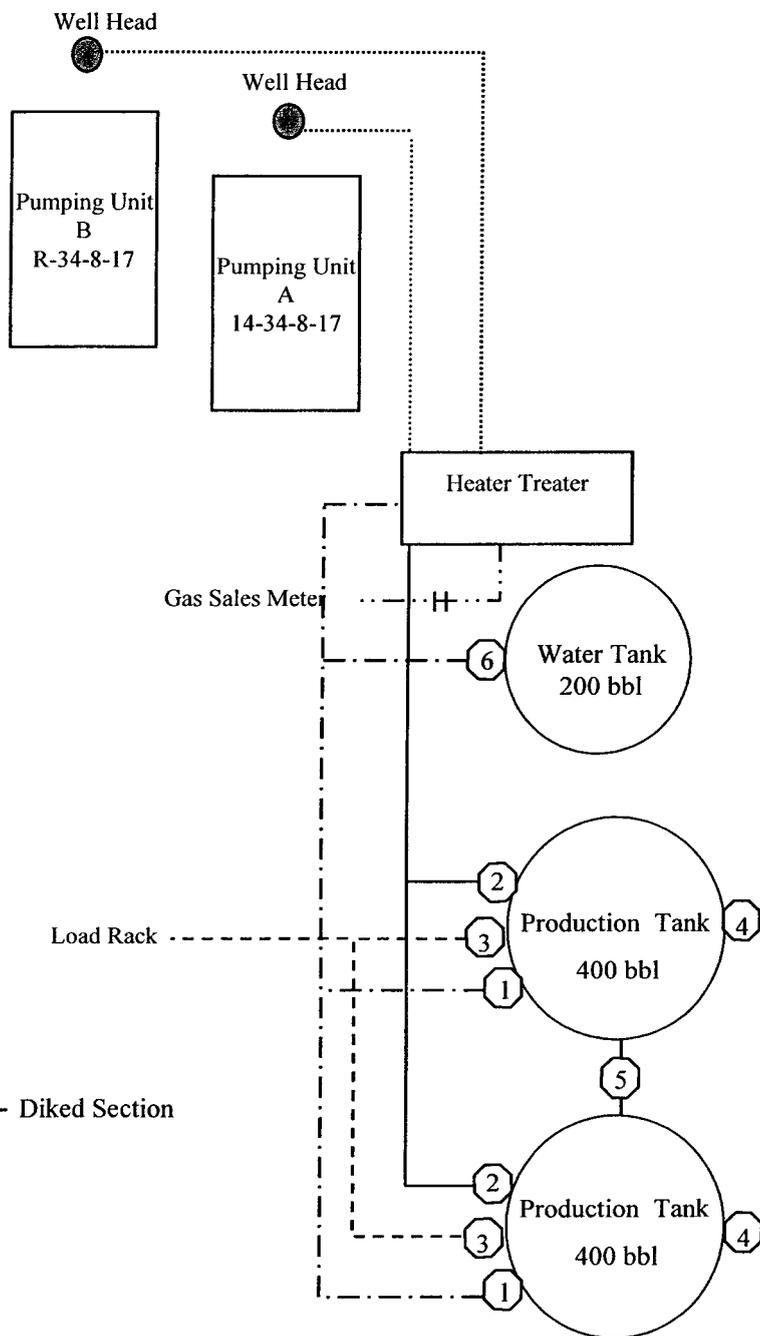
Greater Boundary II Federal R-34-8-17

From the 14-34-8-17 Location

SE/SW Sec. 34 T8S, R17E

Duchesne County, Utah

UTU-79017



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

Production Phase:

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

Sales Phase:

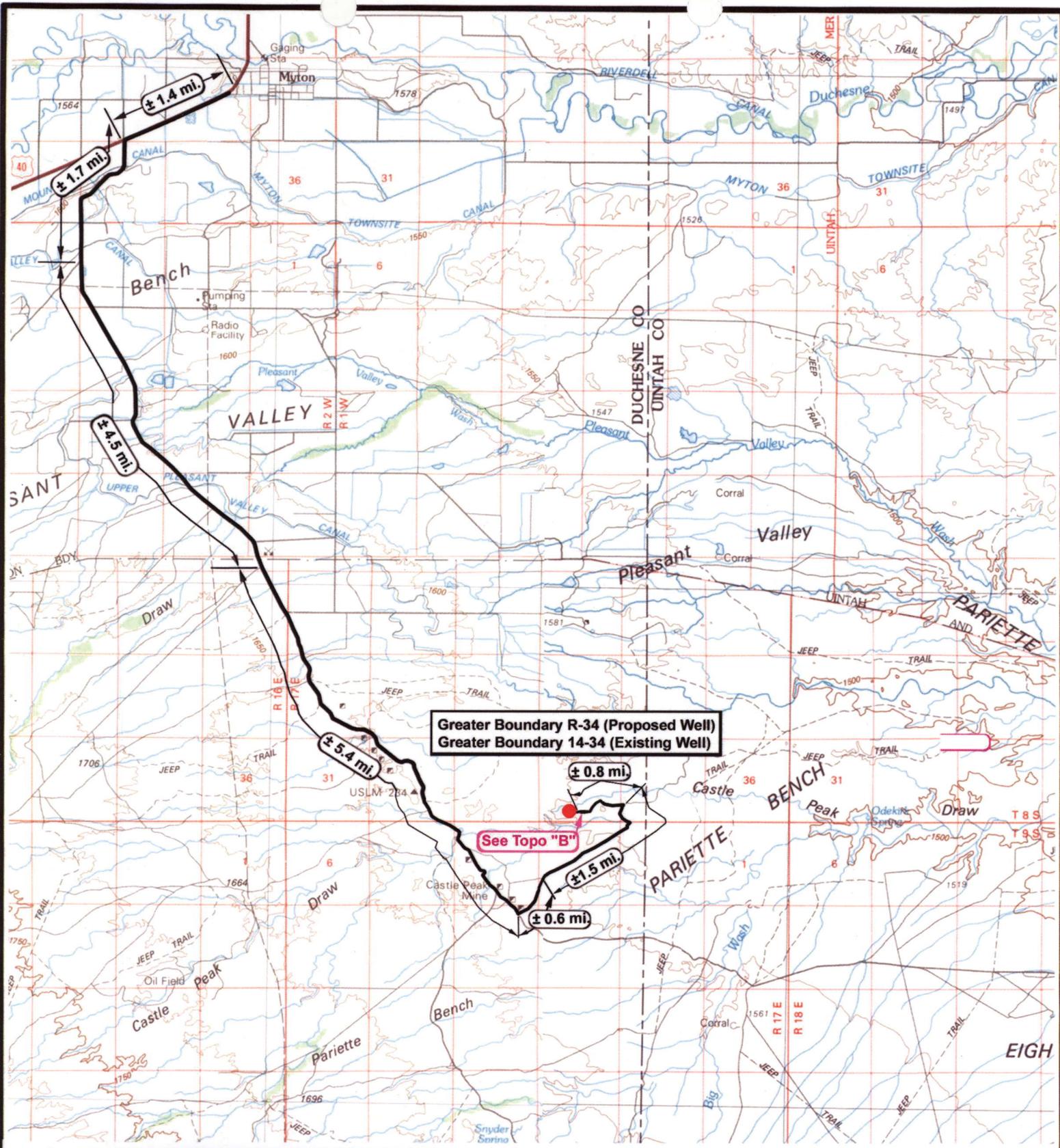
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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



Greater Boundary R-34 (Proposed Well)
 Greater Boundary 14-34 (Existing Well)

See Topo "B"



Greater Boundary R-34-8-17 (Proposed Well)
Greater Boundary 14-34-8-17 (Existing Well)
Pad Location SESW Sec. 34, T8S, R17E, S.L.B.&M.



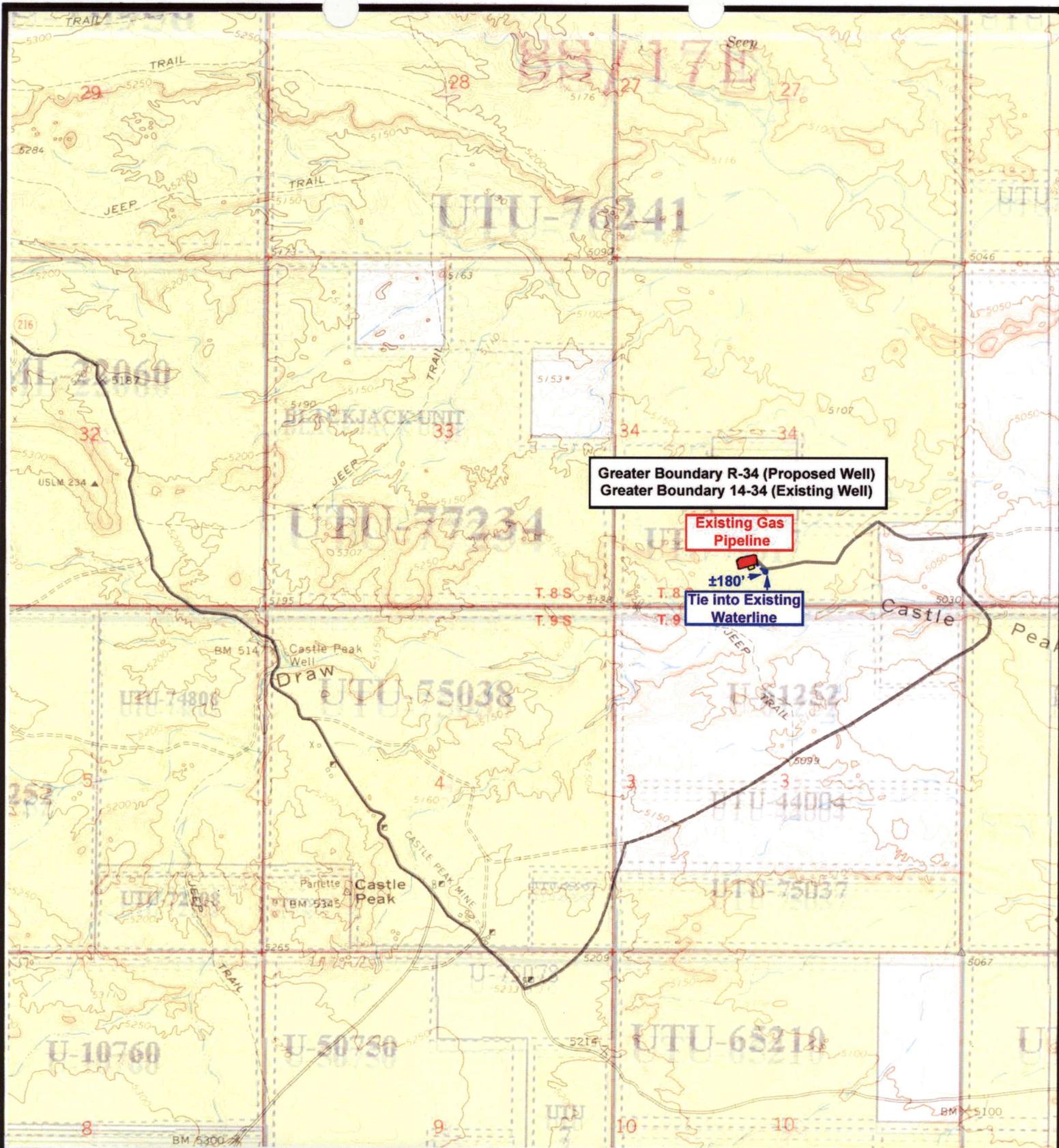
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 : 100,000
 DRAWN BY: nc
 DATE: 05-13-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Greater Boundary R-34-8-17 (Proposed Well)
Greater Boundary 14-34-8-17 (Existing Well)
 Pad Location SESW Sec. 34, T8S, R17E, S.L.B.&M.



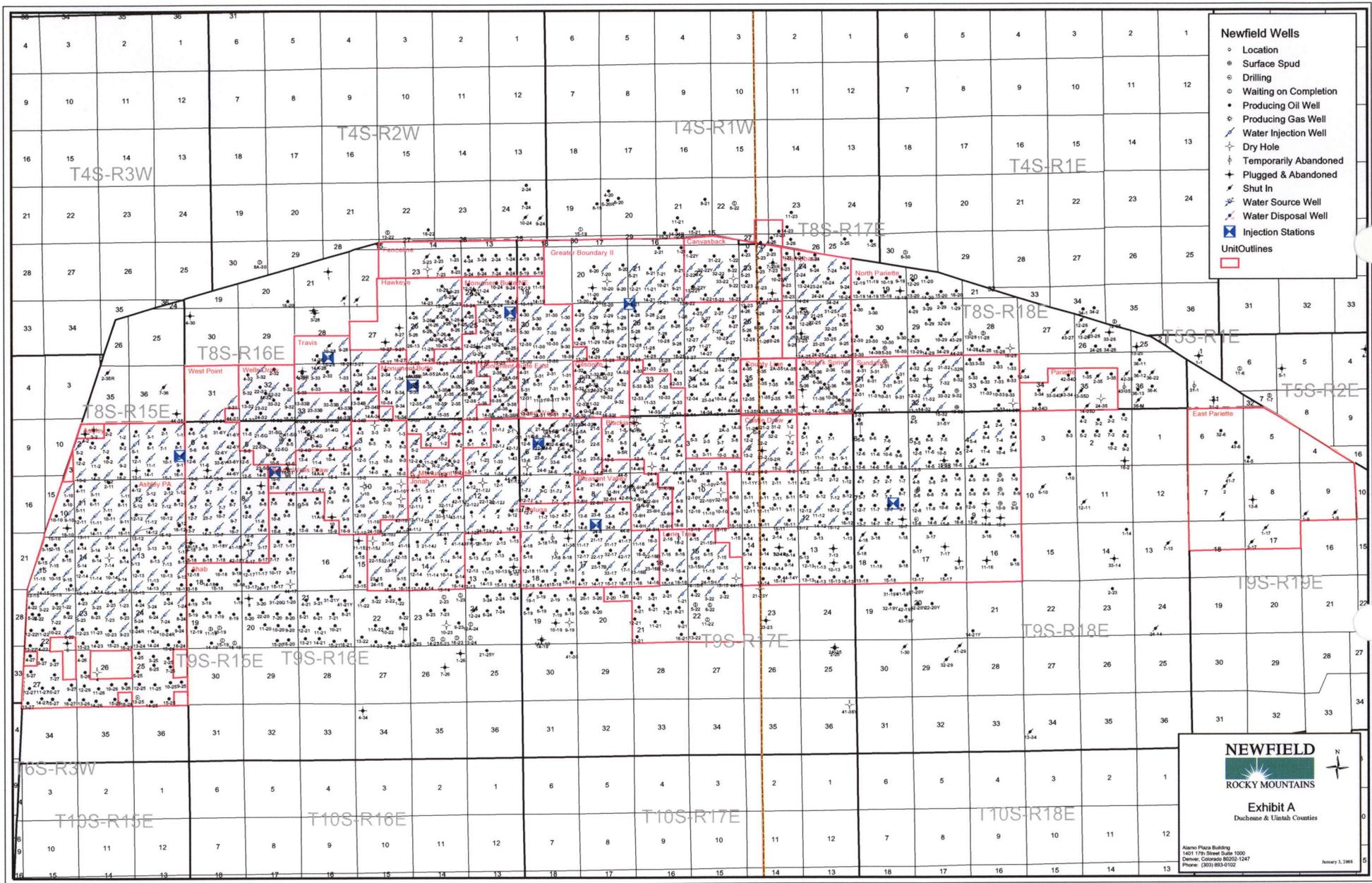
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: nc
 DATE: 05-13-2008

Legend

- Roads
- Proposed Water Line

TOPOGRAPHIC MAP
"C"



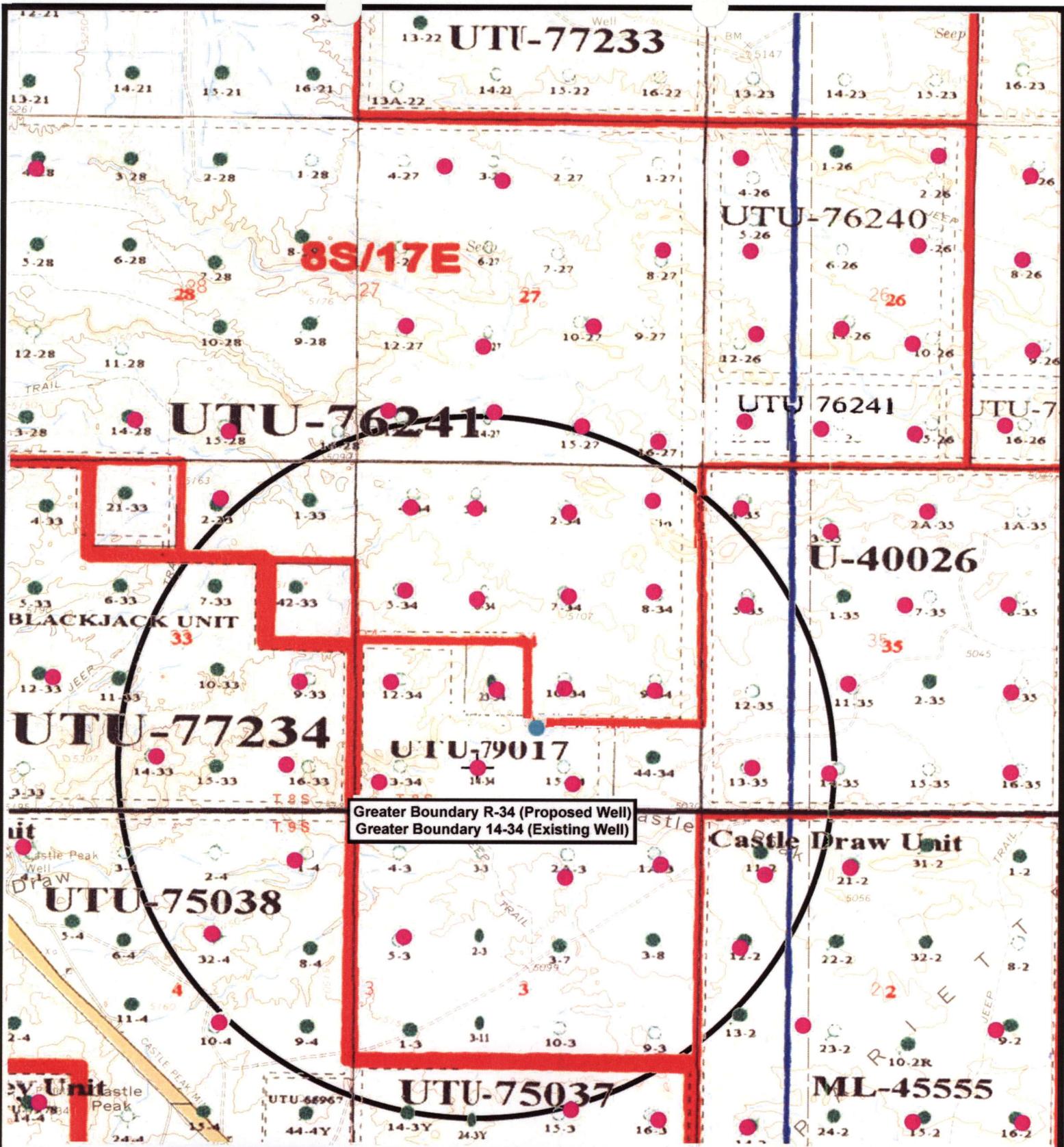
- Newfield Wells**
- Location
 - ⊙ Surface Spud
 - ⊙ Drilling
 - ⊙ Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - ⊙ Water Injection Well
 - ⊙ Dry Hole
 - ⊙ Temporarily Abandoned
 - ⊙ Plugged & Abandoned
 - ⊙ Shut In
 - ⊙ Water Source Well
 - ⊙ Water Disposal Well
 - ⊙ Injection Stations
 - Unit Outlines

NEWFIELD
 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uinta Counties

Alamo Plaza Building
 1401 17th Street Suite 1000
 Denver, Colorado 80202-1247
 Phone: (303) 953-0102

January 3, 2005



Greater Boundary R-34 (Proposed Well)
 Greater Boundary 14-34 (Existing Well)

NEWFIELD
 Exploration Company

Greater Boundary R-34-8-17 (Proposed Well)
 Greater Boundary 14-34-8-17 (Existing Well)
 Pad Location SESW Sec. 34, T8S, R17E, 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: nc
 DATE: 05-13-2008

Legend

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

Exhibit "B"

2-M SYSTEM
Blowout Prevention Equipment Systems

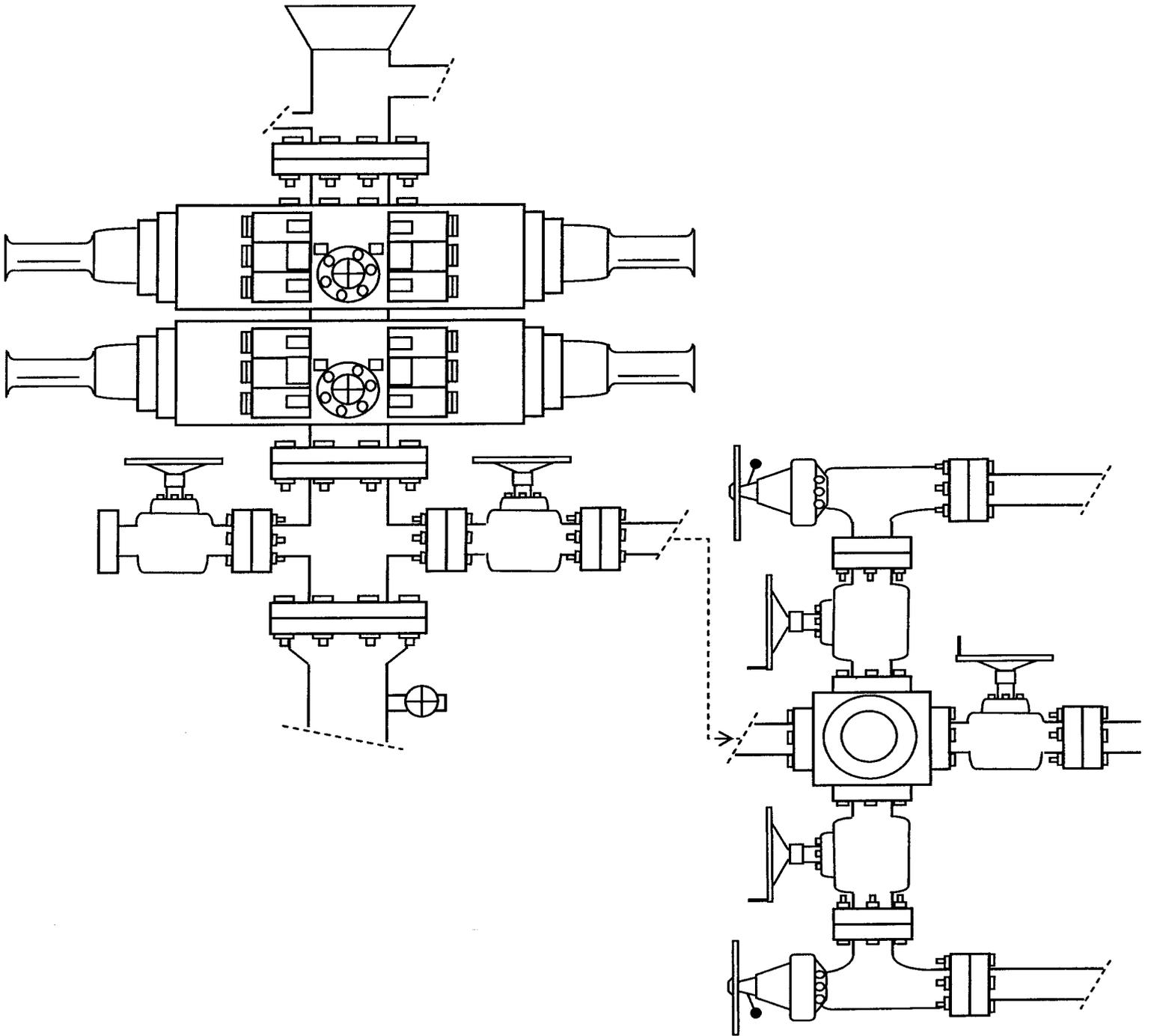


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/22/2008

API NO. ASSIGNED: 43-013-34039

WELL NAME: GB II FED R-34-8-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 34 080S 170E
 SURFACE: 0676 FSL 1962 FWL
 BOTTOM: 1255 FSL 2600 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.06912 LONGITUDE: -109.9944
 UTM SURF EASTINGS: 585756 NORTHINGS: 4435703
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-79017
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10136)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

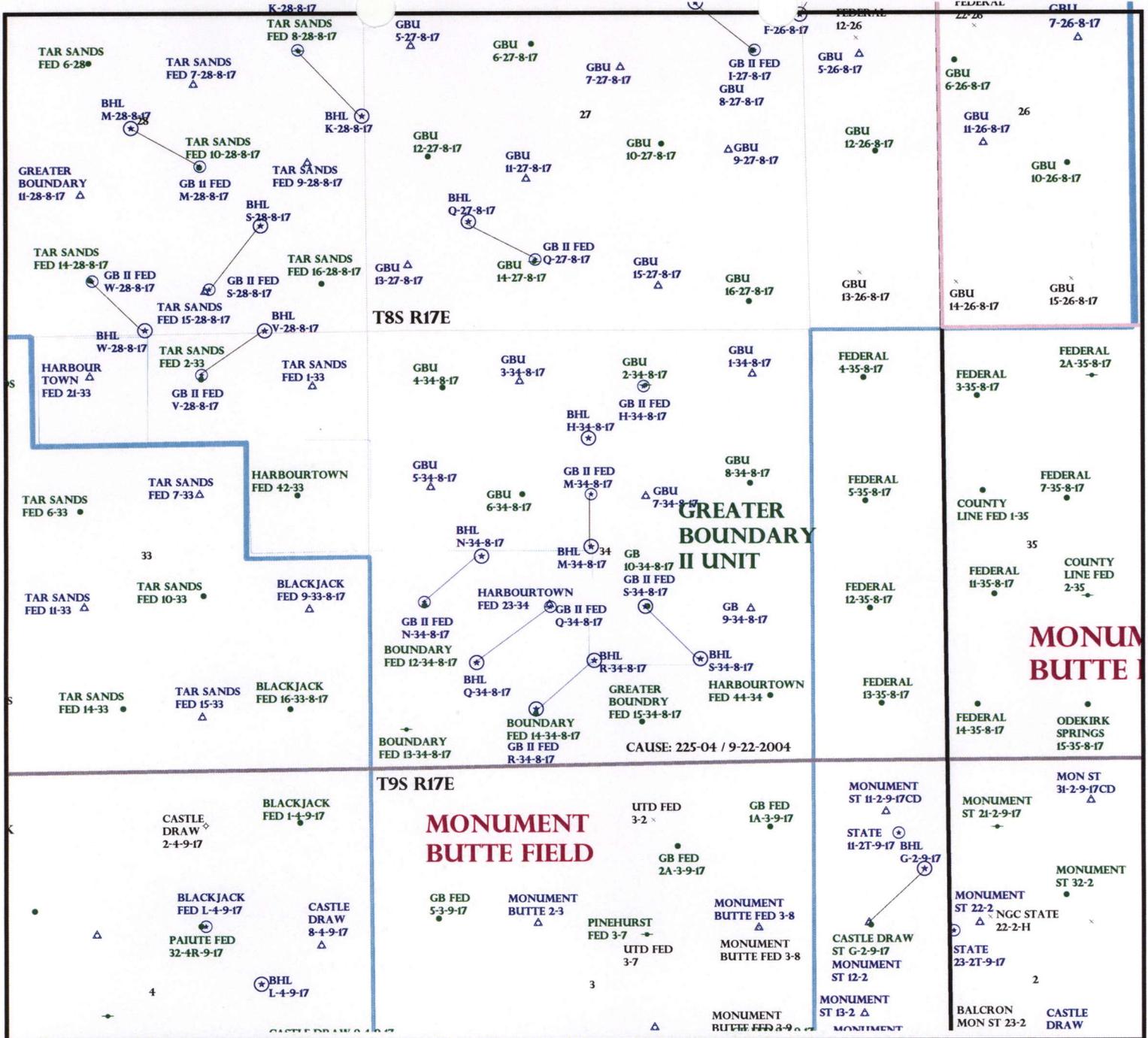
- R649-2-3.
- Unit: GREATER BOUNDARY II (GR)
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 225-04
Eff Date: 9-22-2004
Siting: Suspends General Siting
- R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

1. Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 34 T.8S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 225-04 / 9-22-2004

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	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 MASON
DATE: 22-JULY-2008

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 22, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Greater Boundary 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 2008 within the Greater Boundary Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34038	GB II Fed S-34-8-17 Sec 34 T08S R17E 1899 FSL 1981 FEL BHL Sec 34 T08S R17E 1250 FSL 1330 FEL	
43-013-34039	GB II Fed R-34-8-17 Sec 34 T08S R17E 0676 FSL 1962 FWL BHL Sec 34 T08S R17E 1255 FSL 2600 FEL	

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Greater Boundary Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron



July 23, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Boundary II Federal R-34-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 34: SESW
676' FSL 1962' FWL
Bottom Hole: T8S R17E, Section 34
1255' FSL 2600' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated July 15, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Greater Boundary II Unit UTU-77098X. Newfield certifies that it is the Greater Boundary II Unit Operator and all lands within 460 feet of the entire directional well bore are within the Greater Boundary II Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

RECEIVED

JUL 25 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-79017

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
Greater Boundary II Unit

8. Lease Name and Well No.
Greater Boundary II Federal R-34-8-17

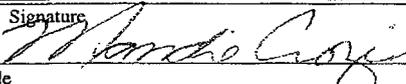
9. API Well No.

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		10. Field and Pool, or Exploratory Monument Butte	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 34, T8S R17E	
2. Name of Operator Newfield Production Company		12. County or Parish Duchesne	
3a. Address Route #3 Box 3630, Myton UT 84052		13. State UT	
3b. Phone No. (include area code) (435) 646-3721		14. Distance in miles and direction from nearest town or post office* Approximatley 15.9 miles southeast of Myton, Utah	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 676' FSL 1962' FWL At proposed prod. zone 1255' FSL 2600' FEL		15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' f/lse, 2600' f/unit	
16. No. of Acres in lease 160.00		17. Spacing Unit dedicated to this well 20 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1296'		19. Proposed Depth 6185'	
20. BLM/BIA Bond No. on file WYB000493		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5073' GL	
22. Approximate date work will start* 4th Quarter 2008		23. Estimated duration Approximately seven (7) days from spud to rig release.	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer. |
|--|---|

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/15/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

JUL 25 2008

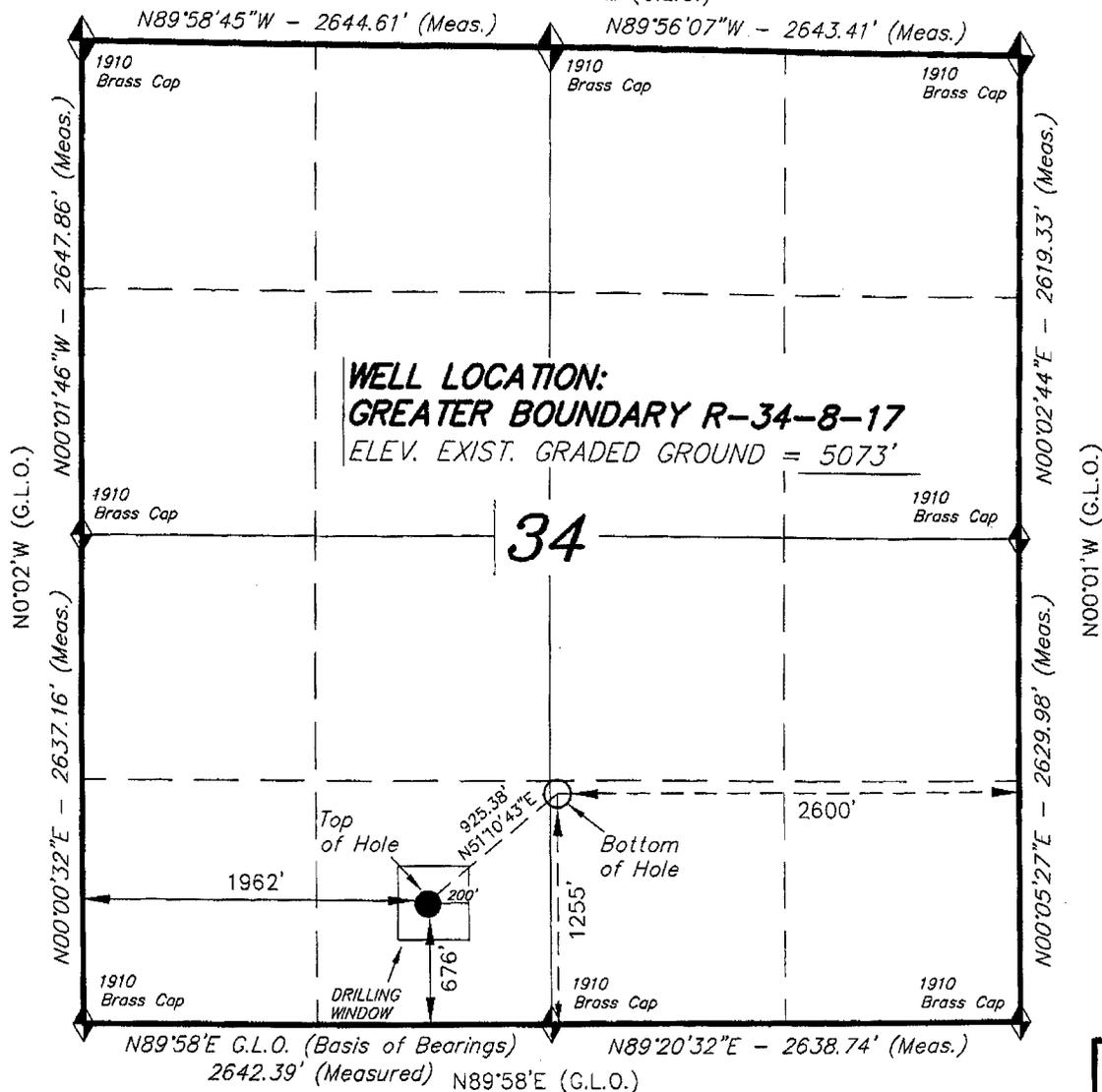
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.

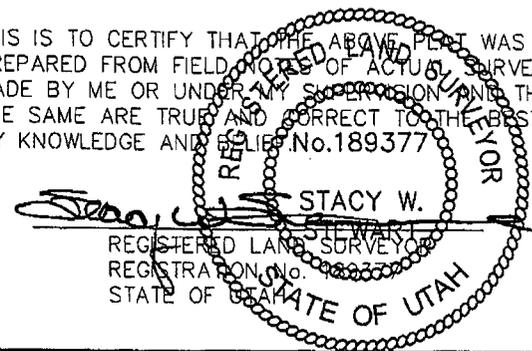
N89°59'W - 80.02 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY R-34-8-17, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 34, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
 U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

GREATER BOUNDARY R-34-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 08.55"
 LONGITUDE = 109° 59' 42.40"

DATE SURVEYED: 5-2-08	SURVEYED BY: T.H.
DATE DRAWN: 5-5-08	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 31, 2008

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

Re: Greater Boundary II Federal R-34-8-17 Well, Surface Location 676' FSL, 1962' FWL, SE SW, Sec. 34, T. 8 South, R. 17 East, Bottom Location 1255' FSL, 2600' FEL, SW SE, Sec. 34, T. 8 South, R. 17 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 43-013-34039.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Greater Boundary II Federal R-34-8-17

API Number: 43-013-34039

Lease: UTU-79017

Surface Location: SE SW Sec. 34 T. 8 South R. 17 East

Bottom Location: SW SE Sec. 34 T. 8 South R. 17 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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. 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.

RECEIVED
VERNAL FIELD OFFICE

2008 JUL 21 PM 12 41

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-79017	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II Unit	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary II Federal R-34-8-17	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34039	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SW 676' FSL 1962' FWL At proposed prod. zone 1255' FSL 2600' FEL		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximatley 15.9 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 34, T8S R17E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 65' f/lse, 2600' f/unit		12. County or Parish Duchesne	
16. No. of Acres in lease 160.00		13. State UT	
17. Spacing Unit dedicated to this well 20 Acres		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1296'	
19. Proposed Depth 6185'		20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5073' GL		22. Approximate date work will start* 4th Quarter 2008	
23. Estimated duration Approximately seven (7) days from spud to rig release.		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/15/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JEANY KOWALSKI	NOV 06 2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

NOV 20 2008

DIV. OF OIL, GAS & MINING

NOS 5/27/08

AFMSS# 08990831A

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	SESW, Sec.34, T8S, R17E
Well No:	Greater Boundary II Federal R-34-8-17	Lease No:	UTU-79017
API No:	43-013-34039	Agreement:	Greater Boundary II Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

STIPULATIONS:

There are two Golden eagle nests within ½ mile of the proposed location. With this occurrence there will be a timing restriction to minimize disturbance of Golden eagle nesting from February 1 – July 15.

Lease Notices from RMP:

The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments: None

Follow-up Actions and/or Recommendations:

Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.

***The Diamond Mountain RMP has designated a No Surface Occupancy for Golden Eagle nesting. Because the proposed location will be directional drilled from an existing location, the No Surface Occupancy stipulation will not be applied to the project area. However, the Golden Eagle timing restriction will still apply to the proposed project area.**

CONDITIONS OF APPROVAL:

- **Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.**

- **Notify the Authorized Officer 48 hours prior to surface disturbing activities.**

- **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

- **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet

statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of

each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig
Name/# Ross #24 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
Well Name/Number Greater Boundary ^{II} Fed R-34-8-
17
Qtr/Qtr SE/SW Section 34 Township 8S Range
17E
Lease Serial Number UTU
79017
API Number 43-013-
34039

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

Date/Time 1/1/09 9:00 AM PM

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

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

Date/Time 1/1/09 3:00 AM PM

BOPE

Initial BOPE test at surface casing point

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

Date/Time 1/1/09 9:00 AM
PM

Remarks Ross Rig # 24 spud the Greater Boundary Federal on 1/1/09 @ 9:00 AM & Run casing around 3:00 PM 1/1/09.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

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 area code)
435 646 3721

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

Section 34 T8S R17E

5. Lease Serial No.
USA UTU-79017

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

8. Well Name and No.
GRTR BNDRY II R-34-8-17

9. API Well No.
4301334039

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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 Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

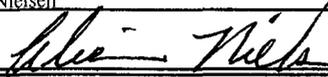
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical 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 1/10/09 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 @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,242' & a TVD of 6131'. 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, 157 jt's of 5.5 J-55, 15.5# csgn. Set @ 6251.67' / KB. Cement with 283 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 48 bbls cement returned to pit. Nipple down Bop's. Drop slips @75,000 #'s tension. Release rig 8:30 PM 1/16/09.

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

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

01/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 a department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

JAN 22 2009

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET @ 6251.67

LAST CASING: 8-5/8" SET @ 318.65
 DATUM (KB) 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE 12
 DRILLER TD 6242' LOGGER TD 6243'
 HOLE SIZE 7-7/8" TOP FLOAT COLLAR @ 6234.88
 TOP SHORT JT @ 3937.75

OPERATOR: Newfield Production Company
 WELL: Greater Boundry R-34-8-17
 FIELD/PROSPECT: Monument Butte
 CONTRACTOR & RIG #: NDSI #2

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	A	14
157	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	6222.88
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	15.54
1	5 1/2"	GUIDE SHOE					0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6253.67	158
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	151.69	4
TOTAL	6390.11	162
TOTAL CSG. DEL. (W/O THRDS)	6390.11	162

TOTAL LENGTH OF STRING 6253.67
 (-) LANDING JT 14
 (-) AMOUNT CUTOFF 0
 (+) KB ELEVATION 12
CASING SET DEPTH 6251.67

COMPARE (SHOULD BE EQUAL)

CEMENT DATA		TIME	DATE
BEGIN RUN CSG.		8:30 AM	1/16/2009
CSG. IN HOLE		12:00 PM	1/16/2009
BEGIN CIRC		12:20 PM	1/16/2009
BEGIN PUMP CMT		2:10 PM	1/16/2009
BEGIN DSPL. CMT		3:02 PM	1/16/2009
PLUG DOWN		3:24 PM	1/16/2009

GOOD CIRC THRU JOB: Yes
 Bbbs CMT CIRC TO SURFACE: 48
 RECIPROCATED PIPE: No
 DID BACK PRES. VALVE HOLD ? Yes
 BUMPED PLUG TO: 1750 PSI

CEMENT USED		
CEMENT COMPANY:	BJ	
STAGE	# SX	CEMENT TYPE & ADDITIVES
1 (lead)	275	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 5 lbs/sack CSE-2 + 204.7% Fresh Water
2 (tail)	400	(50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 54.7% Fresh Water
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 1/14/2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

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)

Section 34 T8S R17E

5. Lease Serial No.

UTU-79017

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

8. Well Name and No.
GRTR BNDRY II R-34-8-17

9. API Well No.
4301334039

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resúme)	<input type="checkbox"/> Water Shut-Off
<input 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	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

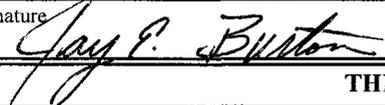
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical 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 recompletion 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 1/1/09 MIRU Ross #24. Spud well @ 9:00am. Drill 315' of 12 1/4" hole with air mist. TIH w/7 jt's 85/8" j-55 24# csgn. set @ 318.65KB. On 1/4/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello-Flake mixed @15.8 ppg > 1.17 cf/sk yeild. Returned 6 bbls cement to pit. Woc.

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

Jay Burton

Signature



Title

Drilling Foreman

Date

01/05/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 page 2)

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DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-79017

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:
GREATER BOUNDARY II

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GRTR BNDRY II R-34-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301334039

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:

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 34, T8S, R17E

STATE: UT

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

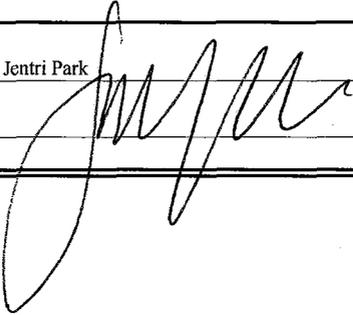
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>02/27/2009</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.

The above subject well was completed on 02/05/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 02/27/2009

(This space for State use only)

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MAR 02 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GRTR BNDRY II R-34-8-17**12/1/2008 To 4/28/2009****1/27/2009 Day: 1****Completion**

Rigless on 1/26/2009 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6195' & cement top @ 44'. Perforate stage #1, CP5 sds @ 6053-6059' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 44 shots. 148 bbls EWTR. SIFN.

1/30/2009 Day: 2**Completion**

Rigless on 1/29/2009 - Stage #1, CP5 sands. RU BJ Services. 90 psi on well. Frac CP5 sds w/ 20,007#'s of 16/30 sand in 347 bbls of Lightning 17 fluid. Broke @ 2715 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3040 psi @ ave rate of 30.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. Screened out 138.2 bbls into flush. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6',7',4' perf guns. Set plug @ 5895'. Perforate CP1,2&3 sds @ 5824-30',5781-88',5763-67' w/ 3 1/8" slick guns (19 gram, .40" HE, 120°, 38.87" pen, EXP-3319-322T Titan) w/ 4 spf for total of 68 shots. 495 BWTR Stage #2, CP3, CP2 & CP1 sands. RU BJ Services. 1660 psi on well. Perfs wouldn't break. RU PSI WLT, RIH w/ dump bailer & spot 8 gals of 15% HCL @ 5830'. POOH w/ WL. RU BJ services. 1525 psi on well. Frac CP3,2,1 sds w/ 40,290#'s of 16/30 sand in 479 bbls of Lightning 17 fluid. Broke @ 3530 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1758 psi @ ave rate of 31.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6',6',7' perf guns. Set plug @ 5290'. Perforate B.5, B2 sds @ 5217-23', 5208-14', 5138-45' w/ 3 1/8" slick guns (19 gram, .40" HE, 120°, 38.87" pen, EXP-3319-322T Titan) w/ 4 spf for total of 76 shots. 974 BWTR

1/31/2009 Day: 3**Completion**

Rigless on 1/30/2009 - Stage #3, B.5 & B2 sands. RU BJ Services. 1055 psi on well. Frac B.5 & B2 sds w/ 14,365#'s of 16/30 sand in 274 bbls of Lightning 17 fluid. Broke @ 3082 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2235 psi @ ave rate of 30.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6' perf gun. Set plug @ 5020'. Perforate D2 sds @ 4955-61' w/ 3 1/8" slick guns (19 gram, .40" HE, 120°, 38.87" pen, EXP-3319-322T Titan) w/ 4 spf for total of 24 shots. 1248 BWTR Stage #4, D2 sands. RU BJ Services. 1530 psi on well. Well wouldn't break. RU PSI WLT, RIH w/ dump bailer & spot 8 gals of 15% HCL @ 4961'. POOH w/ WL. RU BJ services. 1265 psi on well. Frac D2 sds w/ 15,767#'s of 16/30 sand in 274 bbls of Lightning 17 fluid. Broke @ 2902 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2645 psi @ ave rate of 30.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac

plug, 7' perf gun. Set plug @ 4280'. Perforate GB2 sds @ 4213-20' w/ 3 1/8" slick guns (19 gram, .40" HE, 120°, 38.87" pen, EXP-3319-322T Titan) w/ 4 spf for total of 28 shots. 1522 BWTR Stage #5, GB2 sands. RU BJ Services. 1750 psi on well. Frac GB2 sds w/ 24,113#'s of 16/30 sand in 248 bbls of Lightning 17 fluid. Broke @ 2660 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2423 psi @ ave rate of 30.6 BPM. Frac screened out 248 bbls into job w/ 16,800# sand in csg. Estimated 7,413#'s sand into formation. Flow well back immediately @ 3 BPM. Well flowed for 3 hrs then died. Recovered 432 bbls. SWIFN. 1338 BWTR.

2/1/2009 Day: 4**Completion**

Rigless on 1/31/2009 - MIRU Nabors #823. Thaw wellhead, check pressure on well, 200 psi. Bleed off pressure. ND frac BOPs & frac head. NU production wellhead & BOPs. RU rig floor. MU 4 3/4" chomp bit & bit sub. Talley & PU 130- jts "A" grade 2 7/8" J-55 6.5# tbg. RU pump & pump lines. Circulate well clean. SWIFN.

2/3/2009 Day: 5**Completion**

Rigless on 2/2/2009 - Thaw well w/ hot oiler. RU pump & power swivel. TIH & tag fill @ 4150', clean out fill to plug @ 4280', drill up plug in 35 min. TIH & tag fill @ 4970', clean out to plug @ 5020', drill up plug in 35 min. TIH & tag fill @ 5180', clean out to plug @ 5290', drill up plug in 30 min. TIH & tag plug @ 5895'. Circulate well clean. LD 1 jt tbg. SWIFN.

2/4/2009 Day: 6**Completion**

Nabors #823 on 2/3/2009 - Thaw wellhead. RU pump, pump lines & power swivel. TIH & tag fill @ 6030', clean out to PBTD @ 6235'. TOOH w/ 5- jts tbg. RU swab equip. Made 20- swab runs w/ SFL @ surface & EFL @ 2000'. Recovered total of 156 bbls ending w/ trace of oil & small show of gas. RD swab equip. RIH & tag PBTD @ 6235', no new fill. LD 4- jts tbg. TOH w/ 108- jts tbg. SDFN.

2/5/2009 Day: 7**Completion**

Nabors #823 on 2/4/2009 - Thaw well. 500 psi on csg, 200 psi on tbg. Continue TOOH w/ tbg & LD bit & bit sub. PU & TIH w/ "A" grade tbg string as follows: 2 7/8" NC, 1- jt 2 7/8" J-55 6.5# tbg, SN, 2- jts 2 7/8" tbg, TA , 192- jts 2 7/8" J-55 6.5# tbg. ND BOPs. Set TA @ 6040' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg w/ 60 BW @ 250°. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 17' X 20' RHAC rod pump. PU "A" grade rods as follows: 4- 1 1/2" weight rods, 192- 7/8" guided rods (8per). SWIFN.

2/6/2009 Day: 8**Completion**

Nabors #823 on 2/5/2009 - Continure TIH w/ "A" grade rod string as follows: Central Hydraulic 2 1/2" X 1 3/4" X 17' X 20' RHAC rod pump w/ 174.5" SL, 4- 1 1/2" weight rods, 240- 7/8" guided rods (8per), 1- 8', 2' X 7/8" pony rods, 1 1/2" X 26' polished rod. RU pumping unit. W/ tbg full, stroke test pump w/ unit to 800 psi. RDMOSU. PWOP @ 11:00 am w/ 130" SL & 4 SPM. Final Report!

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-79017

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

6. If Indian, Allottee or Tribe Name
NA

Other: _____

7. Unit or CA Agreement Name and No.
FEDERAL

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.
GB FEDERAL R-34-8-17

3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)
(435)646-3721

9. AFI Well No.
43-013-34039

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

At surface 636' FSL & 1962' FWL (SE/SW) SEC. 34, T8S, R17E

10. Field and Pool or Exploratory
MONUMENT BUTTE

At top prod. interval reported below BHL: 1255' FSL & 2600' FEL (SW/SE)

11. Sec., T., R., M., on Block and
Survey or Area SEC. 34, T8S, R17E

At total depth 6242'

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
01/01/2009

15. Date T.D. Reached
01/15/2009

16. Date Completed 02/04/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5073' GL 5085' KB

18. Total Depth: MD 6242'
TVD 6131'

19. Plug Back T.D.: MD 6235'
TVD 4224

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		319'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6252'		283 PRIMLITE		44'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6138'	TA @ 6040'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP5) 6053-6059'	.49"	4	44
B) GREEN RIVER			(CP1) (CP2) (CP3) see belo	.49"	4	68
C) GREEN RIVER			(B5) (B2) see below	.49"	4	76
D) GREEN RIVER			(D2) 4955-4961'	.49"	4	24

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

Depth Interval	Amount and Type of Material
6053-6059'	Frac w/ 20007# of 16/30 snd 347 bbls fluid
5763-5830'	Frac w/ 40290# 16/30 snd 479 bbls fluid
5138-5223'	Frac w/ 14365# 16/30 snd 274 bbls fluid
4955-4961'	Frac w/ 15767# 16/30 snd 274 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/04/09	02/20/09	24	→	35	63	12			2-1/2" x 1-3/4" x 17' x 20' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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DIV. OF OIL, GAS & MINING

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3869' 4057'
				GARDEN GULCH 2 POINT 3	4176' 4443'
				X MRKR Y MRKR	4687' 4721'
				DOUGALS CREEK MRK BI CARBONATE MRK	4860' 5107'
				B LIMESTON MRK CASTLE PEAK	5254' 5702'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6134' 6243'

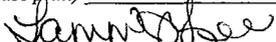
32. Additional remarks (include plugging procedure):

(CP3) 5824-5830', (CP2) 5781-5788', (CP1) 5763-5767'
 (B.5) 5138-5145', (B2) 5208-5214', 5217-5223'
 (GB2) 4213-4220' .49" 4/28 4213-4220' Frac w/ 24113#s of 16/30 sand in 248 bbls of fluid

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

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

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

Name (please print) Tammi Lee Title Production Clerk
 Signature  Date 02/26/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Scientific
Drilling**

Directional Survey Certification

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

Operator	<u>Newfield Exploration Co.</u>
Well Name & No.	<u>Greater Boundary R-34-8-17</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF0901021</u>
Rig	<u>NDSI 2</u>

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 352 feet to a measured depth of 6242 feet is true and correct as determined from all available records.

Julie Cruse
Signature

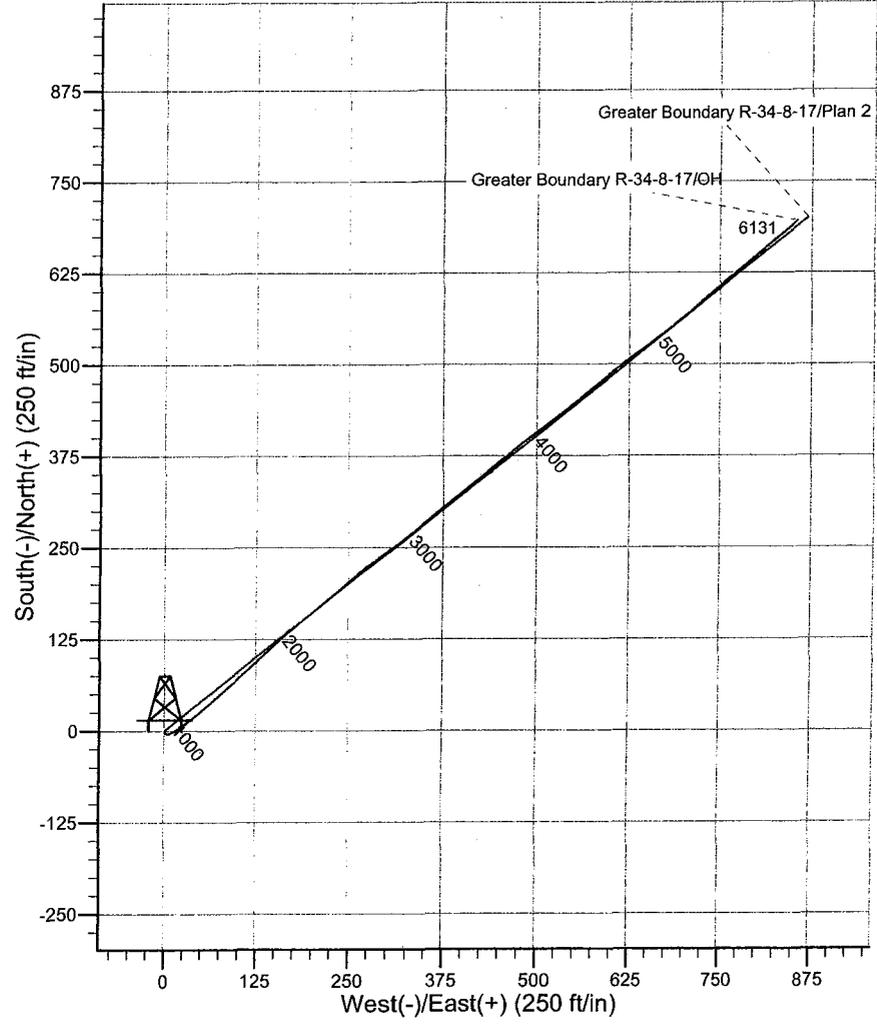
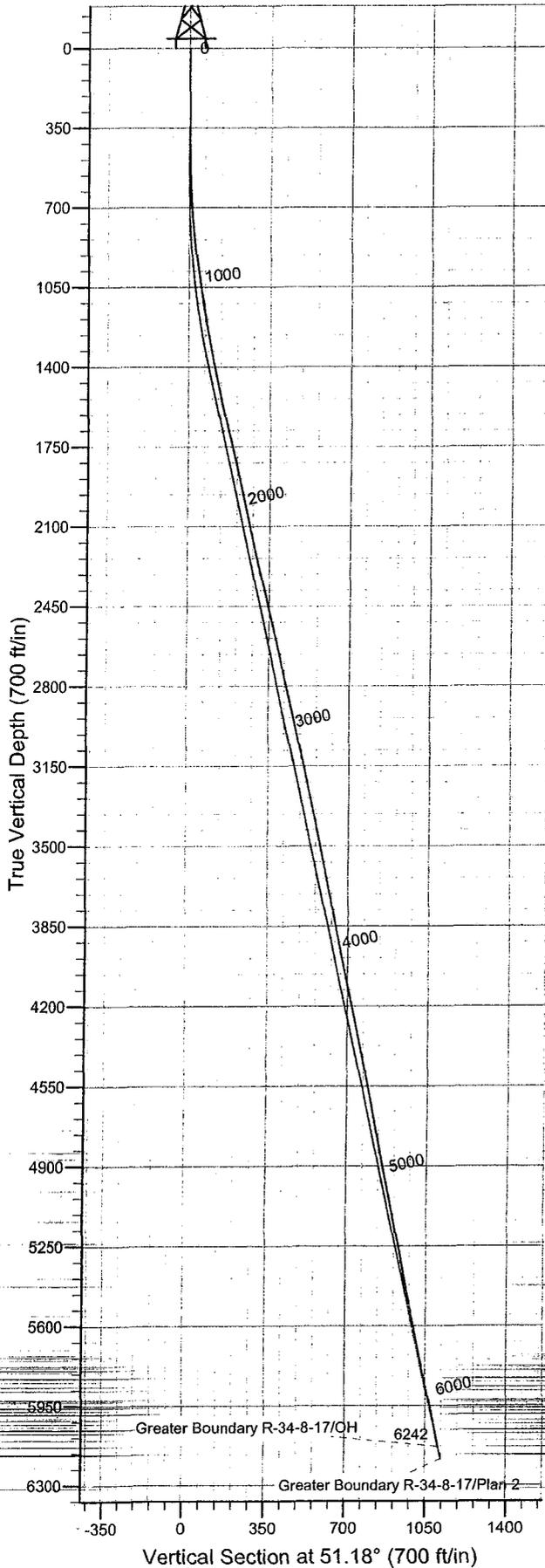
20-Jan-09
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District



Project: Duchesne County, UT NAD83 UTC
 Site: Greater Boundary
 Well: Greater Boundary R-34-8-17
 Wellbore: OH
 Design: OH

Newfield Exploration Co.



WELL DETAILS: Greater Boundary R-34-8-17

Ground Level: GL 5073' & RKB 12' @ 5085.00ft			
+N/-S	+E/-W	Northing	Easting
0.00	0.00	7197429.57	2061551.08
		Latitude	Longitude
		40° 4' 8.550 N	109° 59' 42.400 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Greater Boundary R-34-8-17, True North
 Vertical (TVD) Reference: GL 5073' & RKB 12' @ 5085.00ft
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 5073' & RKB 12' @ 5085.00ft
 Calculation Method: Minimum Curvature
 Local North: True
 Location:

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

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

Design: OH (Greater Boundary R-34-8-17/OH)

Created By: Gregg Detweiler Date: 2009-01-20



Scientific Drilling
Rocky Mountain Operations

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary

Greater Boundary R-34-8-17

OH

Design: OH

Standard Survey Report

20 January, 2009



Scientific Drilling

Survey Report

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MD Reference: GL 5073' & RKB 12' @ 5085.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Greater Boundary				
Site Position:		Northing:	7,202,495.58 ft	Latitude:	40° 4' 59.260 N
From:	Lat/Long	Easting:	2,057,628.96 ft	Longitude:	110° 0' 31.760 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.96 °

Well	Greater Boundary R-34-8-17, 676' FSL 1962' FWL Sec 34 T8S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,197,429.57 ft	Latitude:	40° 4' 8.550 N
	+E/-W	0.00 ft	Easting:	2,061,551.08 ft	Longitude:	109° 59' 42.400 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,073.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2009-01-07	11.59	65.90	52,565

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	51.18	

Survey Program	Date	2009-01-20			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
352.00	6,242.00	Survey #1 - 7 7/8" Hole (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
352.00	0.99	144.52	351.98	-2.48	1.77	-0.18	0.28	0.28	0.00
First SDI MWD Survey									
383.00	1.08	133.96	382.98	-2.90	2.13	-0.16	0.68	0.29	-34.06
413.00	1.11	122.17	412.97	-3.25	2.58	-0.03	0.76	0.10	-39.30
444.00	1.38	114.93	443.96	-3.57	3.17	0.24	1.01	-0.87	-23.35
475.00	1.53	96.21	474.95	-3.77	3.92	0.69	1.60	0.48	-60.39
505.00	1.78	92.11	504.94	-3.83	4.79	1.33	0.92	0.83	-13.67
536.00	2.20	75.63	535.92	-3.70	5.84	2.24	2.28	1.35	-53.16
566.00	2.47	67.13	565.90	-3.30	7.00	3.38	1.46	0.90	-28.33
597.00	2.79	66.59	596.87	-2.74	8.31	4.75	1.04	1.03	-1.74
628.00	3.18	66.73	627.82	-2.11	9.79	6.31	1.26	1.26	0.45
658.00	3.73	63.92	657.77	-1.35	11.43	8.06	1.92	1.83	-9.37



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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi 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)
689.00	4.07	62.77	688.70	-0.40	13.31	10.12	1.13	1.10	-3.71
720.00	4.69	57.25	719.61	0.79	15.36	12.46	2.42	2.00	-17.81
750.00	5.05	55.89	749.50	2.19	17.48	14.99	1.26	1.20	-4.53
781.00	5.47	55.32	780.37	3.80	19.83	17.83	1.37	1.35	-1.84
812.00	5.94	55.45	811.21	5.55	22.36	20.90	1.52	1.52	0.42
843.00	6.27	55.11	842.04	7.43	25.07	24.19	1.07	1.06	-1.10
873.00	6.77	54.94	871.84	9.38	27.86	27.59	1.67	1.67	-0.57
904.00	7.18	54.93	902.62	11.54	30.94	31.34	1.32	1.32	-0.03
936.00	7.59	53.29	934.35	13.95	34.28	35.45	1.44	1.28	-5.12
967.00	7.90	51.53	965.07	16.50	37.58	39.63	1.26	1.00	-5.68
999.00	8.21	51.06	996.75	19.31	41.08	44.11	0.99	0.97	-1.47
1,031.00	8.24	49.92	1,028.42	22.22	44.62	48.69	0.52	0.09	-3.56
1,062.00	8.42	49.60	1,059.09	25.12	48.04	53.18	0.60	0.58	-1.03
1,094.00	8.57	48.67	1,090.74	28.21	51.62	57.90	0.64	0.47	-2.91
1,126.00	8.71	47.74	1,122.38	31.42	55.20	62.70	0.62	0.44	-2.91
1,158.00	8.93	47.93	1,154.00	34.71	58.84	67.60	0.69	0.69	0.59
1,189.00	9.24	49.24	1,184.61	37.95	62.51	72.49	1.20	1.00	4.23
1,221.00	9.64	49.36	1,216.18	41.37	66.49	77.74	1.25	1.25	0.37
1,253.00	9.78	48.49	1,247.72	44.92	70.56	83.13	0.63	0.44	-2.72
1,284.00	10.00	48.59	1,278.26	48.44	74.55	88.45	0.71	0.71	0.32
1,316.00	10.28	48.74	1,309.76	52.16	78.78	94.08	0.88	0.87	0.47
1,348.00	10.59	47.49	1,341.23	56.03	83.09	99.86	1.20	0.97	-3.91
1,380.00	11.15	48.12	1,372.66	60.09	87.56	105.89	1.79	1.75	1.97
1,411.00	11.46	47.83	1,403.06	64.15	92.08	111.96	1.02	1.00	-0.94
1,443.00	11.58	47.63	1,434.41	68.45	96.81	118.34	0.40	0.37	-0.62
1,474.00	11.87	47.67	1,464.76	72.70	101.46	124.62	0.94	0.94	0.13
1,506.00	12.10	47.25	1,496.07	77.19	106.36	131.25	0.77	0.72	-1.31
1,538.00	12.29	47.73	1,527.34	81.76	111.34	138.00	0.67	0.59	1.50
1,570.00	12.50	47.77	1,558.60	86.38	116.43	144.86	0.66	0.66	0.12
1,601.00	12.83	48.04	1,588.84	90.93	121.47	151.64	1.08	1.06	0.87
1,633.00	12.99	47.61	1,620.04	95.73	126.77	158.78	0.58	0.50	-1.34
1,665.00	13.01	47.55	1,651.22	100.59	132.08	165.96	0.08	0.06	-0.19
1,696.00	12.96	47.19	1,681.42	105.31	137.21	172.91	0.31	-0.16	-1.16
1,728.00	12.76	46.31	1,712.62	110.18	142.39	180.01	0.87	-0.62	-2.75
1,760.00	12.85	46.77	1,743.82	115.06	147.54	187.08	0.42	0.28	1.44
1,792.00	12.91	46.91	1,775.02	119.94	152.74	194.20	0.21	0.19	0.44
1,823.00	12.68	47.67	1,805.25	124.60	157.79	201.04	0.92	-0.74	2.45
1,855.00	12.85	48.62	1,836.46	129.32	163.06	208.11	0.84	0.53	2.97
1,887.00	12.94	49.51	1,867.65	134.00	168.45	215.24	0.68	0.28	2.78
1,918.00	12.56	49.03	1,897.89	138.46	173.64	222.08	1.27	-1.23	-1.55
1,950.00	12.33	49.30	1,929.14	142.97	178.85	228.97	0.74	-0.72	0.84
1,982.00	12.11	49.41	1,960.41	147.38	183.99	235.74	0.69	-0.69	0.34
2,013.00	12.31	49.90	1,990.71	151.62	188.99	242.29	0.73	-0.65	1.58
2,045.00	12.50	50.35	2,021.96	156.03	194.26	249.17	0.67	-0.59	1.41
2,077.00	12.41	50.45	2,053.21	160.43	199.58	256.07	0.29	-0.28	0.31
2,109.00	12.57	50.20	2,084.45	164.85	204.91	262.99	0.53	0.50	-0.78
2,140.00	12.19	49.28	2,114.73	169.14	209.98	269.63	1.38	-1.23	-2.97
2,172.00	12.31	49.25	2,146.00	173.57	215.13	276.42	0.38	0.37	-0.09
2,204.00	12.31	49.55	2,177.27	178.01	220.31	283.24	0.20	0.00	0.94
2,235.00	12.56	50.71	2,207.54	182.29	225.43	289.91	1.14	0.81	3.74
2,267.00	12.83	50.72	2,238.76	186.75	230.87	296.94	0.84	0.84	0.03
2,299.00	13.03	50.87	2,269.95	191.27	236.42	304.10	0.63	0.62	0.47
2,330.00	12.72	49.37	2,300.17	195.70	241.72	311.01	1.47	1.00	-4.84
2,362.00	12.69	48.47	2,331.38	200.32	247.03	318.04	0.63	-0.09	-2.81



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2,393.00	12.74	47.63	2,361.62	204.88	252.10	324.85	0.62	0.16	-2.71
2,425.00	12.76	46.81	2,392.83	209.68	257.28	331.90	0.57	0.06	-2.56
2,457.00	13.03	48.29	2,424.03	214.50	262.55	339.03	1.33	0.84	4.62
2,489.00	13.19	49.91	2,455.19	219.25	268.04	346.28	1.25	0.50	5.06
2,520.00	13.60	51.47	2,485.35	223.80	273.60	353.46	1.76	1.32	5.03
2,552.00	13.71	52.64	2,516.44	228.44	279.55	361.01	0.93	0.34	3.66
2,584.00	13.57	53.15	2,547.54	233.00	285.57	368.56	0.58	-0.44	1.59
2,615.00	13.57	53.37	2,577.68	237.35	291.40	375.82	0.17	0.00	0.71
2,647.00	13.53	52.63	2,608.79	241.86	297.39	383.32	0.56	-0.12	-2.31
2,679.00	13.39	52.22	2,639.91	246.40	303.29	390.76	0.53	-0.44	-1.28
2,711.00	13.13	51.85	2,671.05	250.92	309.08	398.10	0.85	-0.81	-1.16
2,742.00	12.86	51.44	2,701.26	255.24	314.55	405.07	0.92	-0.87	-1.32
2,774.00	12.81	51.40	2,732.46	259.68	320.10	412.18	0.16	-0.16	-0.12
2,805.00	12.60	51.37	2,762.70	263.93	325.43	419.00	0.68	-0.68	-0.10
2,837.00	12.20	50.70	2,793.95	268.25	330.77	425.87	1.33	-1.25	-2.09
2,869.00	11.92	49.57	2,825.25	272.54	335.91	432.56	1.14	-0.87	-3.53
2,901.00	11.87	50.47	2,856.56	276.77	340.96	439.15	0.60	-0.16	2.81
2,932.00	11.94	50.26	2,886.89	280.85	345.88	445.54	0.27	0.23	-0.68
2,964.00	12.18	49.89	2,918.19	285.14	351.01	452.23	0.79	0.75	-1.16
2,996.00	12.64	50.07	2,949.44	289.57	356.28	459.10	1.44	1.44	0.56
3,027.00	12.61	49.85	2,979.69	293.92	361.47	465.88	0.18	-0.10	-0.71
3,059.00	12.37	50.62	3,010.93	298.35	366.78	472.80	0.91	-0.75	2.41
3,091.00	12.21	51.12	3,042.20	302.65	372.07	479.61	0.60	-0.50	1.56
3,123.00	12.41	51.56	3,073.46	306.91	377.40	486.43	0.69	0.62	1.37
3,154.00	12.48	51.87	3,103.74	311.05	382.64	493.11	0.31	0.23	1.00
3,186.00	12.56	51.29	3,134.98	315.36	388.07	500.05	0.47	0.25	-1.81
3,218.00	12.39	51.39	3,166.22	319.68	393.47	506.96	0.54	-0.53	0.31
3,250.00	11.94	49.78	3,197.50	323.96	398.68	513.70	1.76	-1.41	-5.03
3,281.00	11.65	49.77	3,227.85	328.05	403.52	520.04	0.94	-0.94	-0.03
3,313.00	11.84	50.06	3,259.18	332.25	408.50	526.55	0.62	0.59	0.91
3,345.00	12.21	50.61	3,290.47	336.50	413.64	533.22	1.21	1.16	1.72
3,376.00	12.41	50.87	3,320.76	340.68	418.75	539.83	0.67	0.65	0.84
3,408.00	12.37	51.63	3,352.02	344.98	424.11	546.69	0.52	-0.12	2.37
3,440.00	12.11	49.72	3,383.29	349.28	429.36	553.47	1.50	-0.81	-5.97
3,472.00	12.01	48.57	3,414.58	353.65	434.41	560.16	0.81	-0.31	-3.59
3,503.00	11.84	49.93	3,444.91	357.83	439.27	566.56	1.06	-0.55	4.39
3,535.00	11.48	50.22	3,476.25	361.98	444.23	573.02	1.14	-1.12	0.91
3,567.00	11.60	51.02	3,507.61	366.05	449.17	579.43	0.63	0.37	2.50
3,599.00	11.26	50.58	3,538.97	370.05	454.09	585.77	1.10	-1.06	-1.37
3,630.00	11.13	50.08	3,569.38	373.90	458.72	591.78	0.52	-0.42	-1.61
3,662.00	10.91	49.27	3,600.79	377.85	463.38	597.90	0.84	-0.69	-2.53
3,694.00	11.03	48.99	3,632.21	381.84	467.99	603.98	0.41	0.37	-0.87
3,725.00	11.14	49.65	3,662.63	385.72	472.51	609.94	0.54	0.35	2.13
3,757.00	10.99	50.71	3,694.03	389.66	477.23	616.08	0.79	-0.47	3.31
3,789.00	10.75	50.99	3,725.46	393.47	481.91	622.12	0.77	-0.75	0.87
3,820.00	10.56	51.90	3,755.93	397.04	486.39	627.85	0.82	-0.61	2.94
3,852.00	10.84	52.00	3,787.37	400.70	491.07	633.79	0.88	0.87	0.31
3,884.00	11.23	53.64	3,818.78	404.40	495.95	639.91	1.58	1.22	5.12
3,916.00	11.32	53.01	3,850.16	408.14	500.96	646.16	0.48	0.28	-1.97
3,947.00	11.29	53.04	3,880.56	411.79	505.82	652.24	0.10	-0.10	0.10
3,979.00	11.47	53.12	3,911.93	415.59	510.87	658.55	0.56	0.56	0.25
4,011.00	11.37	52.26	3,943.30	419.43	515.91	664.88	0.62	-0.31	-2.69
4,043.00	11.57	51.91	3,974.66	423.34	520.93	671.24	0.66	0.62	-1.09
4,074.00	11.57	51.49	4,005.03	427.19	525.81	677.46	0.27	0.00	-1.35



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4,106.00	11.80	51.84	4,036.36	431.21	530.89	683.94	0.75	0.72	1.09
4,138.00	11.90	52.12	4,067.68	435.26	536.07	690.51	0.36	0.31	0.87
4,169.00	11.76	51.08	4,098.02	439.20	541.05	696.87	0.82	-0.45	-3.35
4,201.00	11.80	51.01	4,129.35	443.31	546.13	703.40	0.13	0.12	-0.22
4,233.00	11.91	50.87	4,160.67	447.45	551.23	709.97	0.36	0.34	-0.44
4,265.00	11.80	50.72	4,191.98	451.61	556.33	716.55	0.36	-0.34	-0.47
4,296.00	11.78	50.98	4,222.33	455.61	561.24	722.88	0.18	-0.06	0.84
4,328.00	11.62	50.24	4,253.67	459.73	566.25	729.37	0.69	-0.50	-2.31
4,360.00	11.56	49.93	4,285.01	463.85	571.18	735.80	0.27	-0.19	-0.97
4,391.00	11.56	50.23	4,315.38	467.84	575.95	742.01	0.19	0.00	0.97
4,423.00	11.63	49.92	4,346.73	471.97	580.88	748.44	0.29	0.22	-0.97
4,455.00	11.49	50.14	4,378.08	476.08	585.80	754.85	0.46	-0.44	0.69
4,486.00	11.54	49.93	4,408.46	480.06	590.54	761.04	0.21	0.16	-0.68
4,518.00	11.46	50.20	4,439.82	484.15	595.43	767.42	0.30	-0.25	0.84
4,550.00	11.25	50.49	4,471.19	488.18	600.28	773.72	0.68	-0.66	0.91
4,582.00	11.02	51.31	4,502.59	492.07	605.08	779.90	0.87	-0.72	2.56
4,613.00	11.15	52.22	4,533.01	495.76	609.76	785.86	0.70	0.42	2.94
4,645.00	11.29	52.80	4,564.40	499.55	614.70	792.08	0.56	0.44	1.81
4,677.00	11.31	53.64	4,595.78	503.31	619.72	798.35	0.52	0.06	2.62
4,709.00	11.28	53.93	4,627.16	507.01	624.78	804.61	0.20	-0.09	0.91
4,740.00	11.24	54.23	4,657.56	510.56	629.68	810.65	0.23	-0.13	0.97
4,772.00	11.39	54.53	4,688.94	514.22	634.78	816.92	0.50	0.47	0.94
4,804.00	11.01	53.57	4,720.33	517.86	639.81	823.13	1.32	-1.19	-3.00
4,836.00	10.92	53.20	4,751.74	521.49	644.70	829.21	0.36	-0.28	-1.16
4,867.00	10.73	52.89	4,782.19	524.99	649.35	835.03	0.64	-0.61	-1.00
4,899.00	10.78	52.88	4,813.63	528.60	654.11	841.00	0.16	0.16	-0.03
4,931.00	10.83	53.51	4,845.06	532.19	658.92	846.99	0.40	0.16	1.97
4,962.00	11.04	53.66	4,875.50	535.68	663.65	852.87	0.68	0.68	0.48
4,994.00	11.18	53.26	4,906.90	539.35	668.60	859.03	0.50	0.44	-1.25
5,026.00	11.22	52.68	4,938.29	543.10	673.57	865.24	0.37	0.12	-1.81
5,058.00	11.38	52.06	4,969.67	546.93	678.53	871.51	0.63	0.50	-1.94
5,089.00	11.33	51.66	5,000.06	550.69	683.33	877.61	0.30	-0.16	-1.29
5,121.00	11.22	50.84	5,031.45	554.61	688.21	883.87	0.61	-0.34	-2.56
5,153.00	11.20	50.31	5,062.84	558.56	693.02	890.09	0.33	-0.06	-1.66
5,184.00	11.27	49.86	5,093.24	562.44	697.65	896.13	0.36	0.23	-1.45
5,216.00	11.21	48.91	5,124.63	566.50	702.38	902.36	0.61	-0.19	-2.97
5,248.00	11.27	48.40	5,156.01	570.62	707.07	908.60	0.36	0.19	-1.59
5,280.00	11.31	48.26	5,187.40	574.78	711.75	914.85	0.15	0.12	-0.44
5,343.00	11.12	49.19	5,249.19	582.87	720.95	927.09	0.42	-0.30	1.48
5,375.00	11.21	48.75	5,280.59	586.93	725.63	933.29	0.39	0.28	-1.37
5,392.50	11.18	49.04	5,297.75	589.17	728.19	936.68	0.37	-0.19	1.64
GB R-34-8-17 Target									
5,406.00	11.15	49.26	5,311.00	590.88	730.17	939.29	0.37	-0.19	1.65
5,438.00	11.01	49.84	5,342.40	594.87	734.84	945.44	0.56	-0.44	1.81
5,470.00	11.05	49.90	5,373.81	598.81	739.53	951.56	0.13	0.12	0.19
5,502.00	10.89	51.07	5,405.23	602.69	744.22	957.65	0.86	-0.50	3.66
5,533.00	10.59	51.80	5,435.68	606.29	748.74	963.43	1.06	-0.97	2.35
5,565.00	10.80	51.32	5,467.13	609.98	753.39	969.36	0.71	0.66	-1.50
5,597.00	11.11	51.60	5,498.54	613.77	758.15	975.44	0.98	0.97	0.87
5,628.00	11.13	51.79	5,528.96	617.48	762.84	981.42	0.13	0.06	0.61
5,660.00	10.92	51.10	5,560.37	621.29	767.63	987.54	0.78	-0.66	-2.16
5,692.00	10.75	50.22	5,591.80	625.10	772.28	993.56	0.74	-0.53	-2.75
5,724.00	10.68	49.86	5,623.24	628.92	776.84	999.61	0.30	-0.22	-1.12
5,755.00	11.08	49.80	5,653.69	632.70	781.31	1,005.36	1.29	1.29	-0.19
5,787.00	11.51	49.85	5,685.07	636.74	786.10	1,011.62	1.34	1.34	0.16



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary R-34-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary R-34-8-17
TVD Reference: GL 5073' & RKB 12' @ 5085.00ft
MD Reference: GL 5073' & RKB 12' @ 5085.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi 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)
5,819.00	12.02	49.77	5,716.39	640.95	791.08	1,018.14	1.59	1.59	-0.25
5,851.00	12.03	49.84	5,747.69	645.25	796.17	1,024.81	0.06	0.03	0.22
5,882.00	11.87	49.88	5,778.02	649.39	801.08	1,031.23	0.52	-0.52	0.13
5,914.00	11.87	49.14	5,809.33	653.67	806.09	1,037.81	0.48	0.00	-2.31
5,946.00	11.77	49.49	5,840.66	657.94	811.06	1,044.36	0.38	-0.31	1.09
5,977.00	11.80	49.43	5,871.00	662.05	815.87	1,050.69	0.10	0.10	-0.19
6,009.00	11.71	49.43	5,902.33	666.29	820.82	1,057.20	0.28	-0.28	0.00
6,041.00	11.59	49.28	5,933.67	670.50	825.72	1,063.66	0.39	-0.37	-0.47
6,073.00	11.70	49.10	5,965.01	674.72	830.61	1,070.12	0.36	0.34	-0.56
6,104.00	11.38	49.75	5,995.39	678.76	835.32	1,076.31	1.11	-1.03	2.10
6,136.00	10.93	49.96	6,026.78	682.75	840.06	1,082.50	1.41	-1.41	0.66
6,190.00	10.27	48.71	6,079.86	689.22	847.59	1,092.43	1.29	-1.22	-2.31
6,242.00	10.27	48.71	6,131.03	695.34	854.56	1,101.69	0.00	0.00	0.00

Projection to TD

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GB R-34-8-17 Target	0.00	0.00	5,300.00	580.10	720.98	7,198,021.72	2,062,262.20	40° 4' 14.283 N	109° 59' 33.125 W
- actual wellpath misses target center by 11.80ft at 5392.50ft MD (5297.75 TVD, 589.17 N, 728.19 E)									
- Circle (radius 75.00)									
GB R-34-8-17 PBHL	0.00	0.00	6,185.00	580.10	720.98	7,198,021.72	2,062,262.20	40° 4' 14.283 N	109° 59' 33.125 W
- actual wellpath misses target center by 184.49ft at 6242.00ft MD (6131.03 TVD, 695.34 N, 854.56 E)									
- Circle (radius 75.00)									

Checked By: _____ Approved By: _____ Date: _____