

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-76241

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 Q-27-8-17

9. API Well No.
43-013-34009

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 27, T8S R17E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface SE/SW 852' FSL 2009' FWL
At proposed prod. zone SW/SW 1315' FSL 1215' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 13.6 miles southeast of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 3955' f/lease, 3955' f/unit
16. No. of Acres in lease
1880.00

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. 831'
19. Proposed Depth
6325'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5066' 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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 6/20/08

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 07-07-08

Title 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)

Sw f
585754X
4437365Y
40.084091
-109.994155

BHL
585513X
4437506Y
40.085384
-109.996986

Federal Approval of this
Action is Necessary

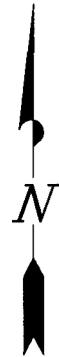
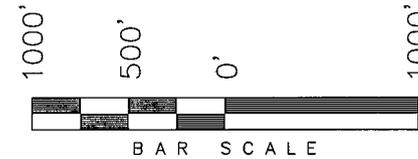
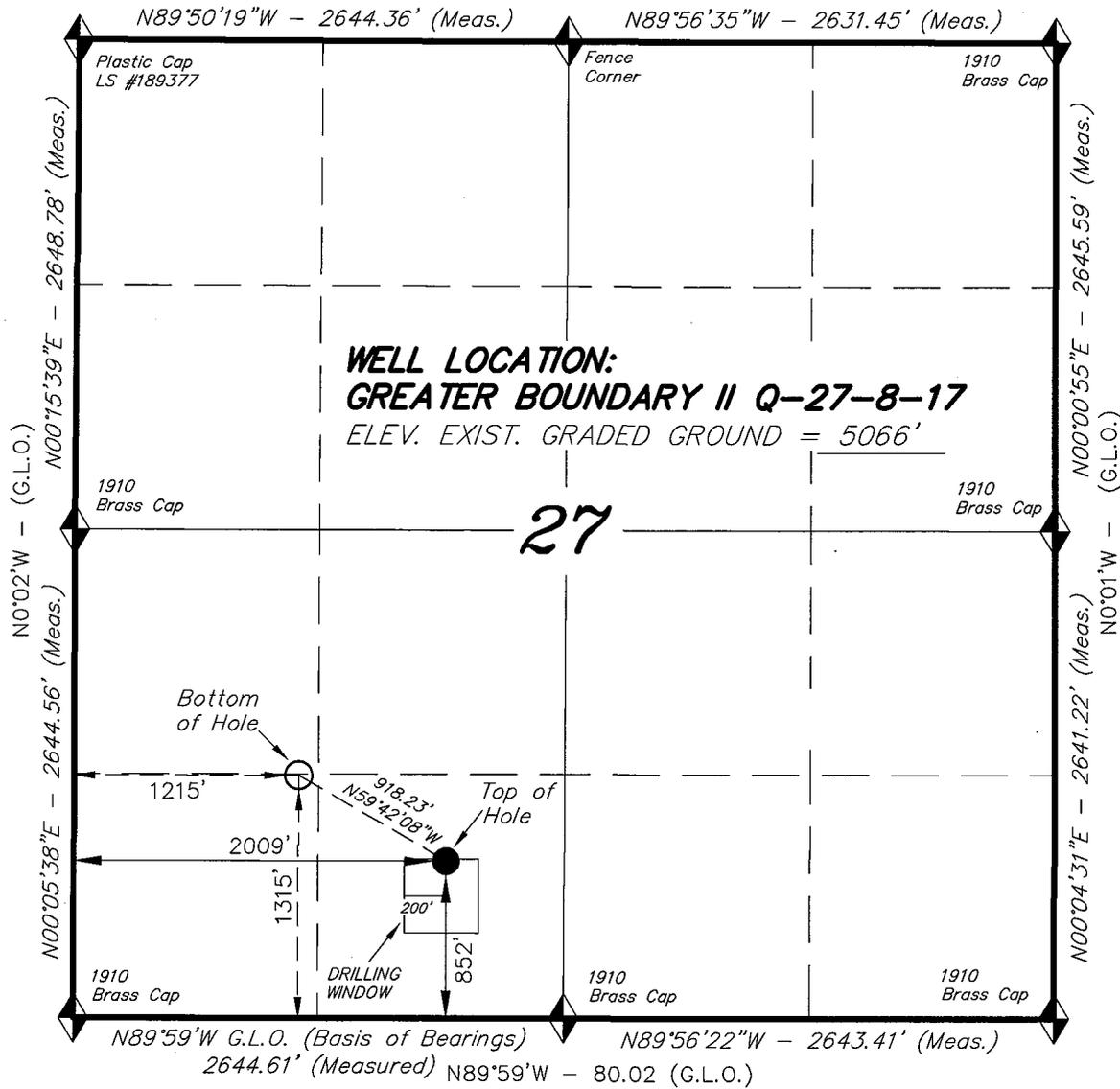
RECEIVED
JUN 25 2008
DIV. OF OIL, GAS & MINING

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

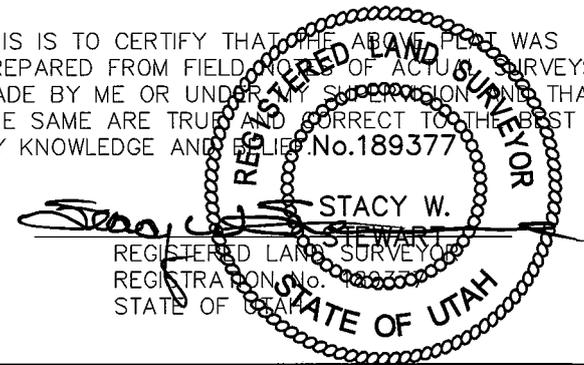
N89°58'W - 80.00 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY II Q-27-8-17, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 27, 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



◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY II Q-27-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 05' 02.50"
 LONGITUDE = 109° 59' 41.67"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 02-26-08	SURVEYED BY: T.H.
DATE DRAWN: 04-04-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL Q-27-8-17
AT SURFACE: SE/SW SECTION 27, 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' – 1608'
Green River	1608'
Wasatch	6325'

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

Green River Formation 1608' – 6325' - 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 Q-27-8-17
AT SURFACE: SE/SW SECTION 27, 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 Q-27-8-17 located in the SE 1/4 SW 1/4 Section 27, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 9.8 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 0.7 miles ± to it's junction with an existing road to the east; proceed in a northeasterly direction – 0.8 miles ± to it's junction with beginning of the access road to the existing Greater Boundary 14-27-8-17 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 Greater Boundary 14-27-8-17 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 Greater Boundary 14-27-8-17 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 Q-27-8-17. 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 Q-27-8-17 will be drilled off of the existing Greater Boundary 14-27-8-17 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 155' of disturbed area be granted in Lease UTU-76241 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 150' of proposed water injection line are attached. MOAC Report #08-139, 6/2/08. Paleontological Resource Survey prepared by, Wade E. Miller, 5/29/08. 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

None for the proposed Greater Boundary II Federal Q-27-8-17

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 Q-27-8-17 was on-sited on 5/14/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management) Dan Emmett (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

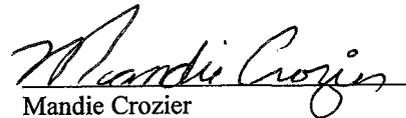
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-27-8-17 SE/SW Section 27, Township 8S, Range 17E: Lease UTU-76241 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.

6/20/08

Date



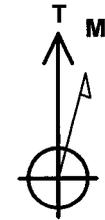
Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

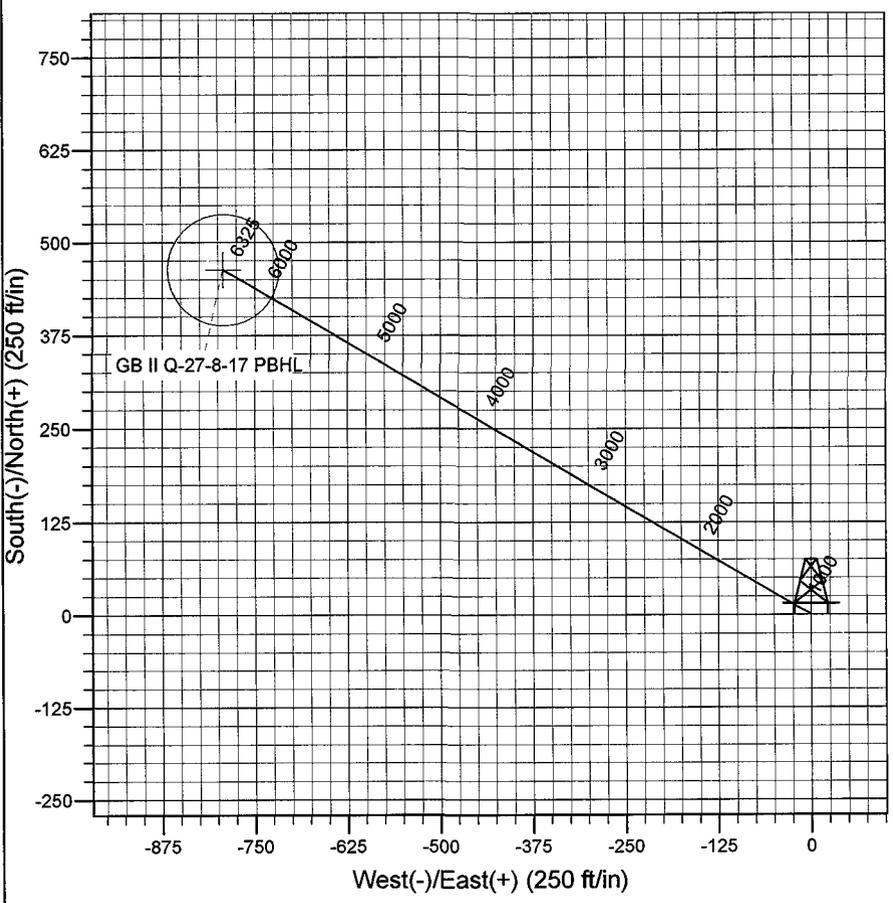
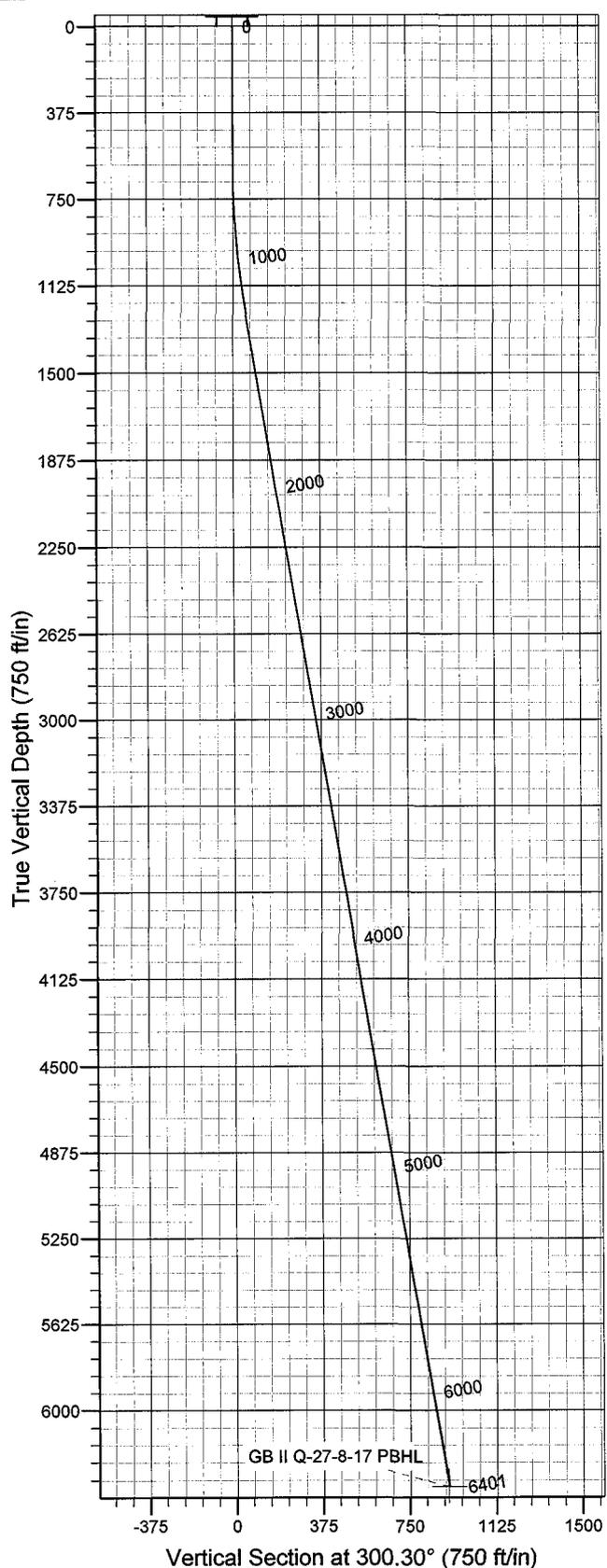


Azimuths to True North
Magnetic North: 11.66°

Magnetic Field
Strength: 52627.7snT
Dip Angle: 65.92°
Date: 2008-06-10
Model: IGRF2005-10

WELL DETAILS: Greater Boundary II Q-27-8-17

GL 5066' & RKB 12' @ 5078.00ft 5066.00
+N/-S 0.00 +E/-W 0.00 Northing 7202888.57 Easting 2061515.97 Latitude 40° 5' 2.500 N Longitude 109° 59' 41.670 W



Plan: Plan #1 (Greater Boundary II Q-27-8-17/OH)

Created By: Julie Cruse Date: 2008-06-10

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	
1243.04	9.65	300.30	1240.01	27.24	-46.62	1.50	300.30	54.00	
6400.95	9.65	300.30	6325.00	463.27	-792.80	0.00	0.00	918.23	GB II Q-27-8-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary II

Greater Boundary II Q-27-8-17

OH

Plan: Plan #1

Standard Planning Report

10 June, 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 II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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 II,				
Site Position:		Northing:	7,206,865.99 ft	Latitude:	40° 5' 41.180 N
From:	Lat/Long	Easting:	2,065,248.74 ft	Longitude:	109° 58' 52.780 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	Greater Boundary II Q-27-8-17, 852' FSL 2009' FWL Sec 27 T8S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,202,888.57 ft	Latitude:	40° 5' 2.500 N
	+E/-W	0.00 ft	Easting:	2,061,515.97 ft	Longitude:	109° 59' 41.670 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,066.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-06-10	11.67	65.92	52,628

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	300.30

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	
1,243.04	9.65	300.30	1,240.01	27.24	-46.62	1.50	1.50	0.00	300.30	
6,400.95	9.65	300.30	6,325.00	463.27	-792.80	0.00	0.00	0.00	0.00	GB II Q-27-8-17 PBHI

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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	300.30	699.99	0.66	-1.13	1.31	1.50	1.50	0.00
800.00	3.00	300.30	799.91	2.64	-4.52	5.23	1.50	1.50	0.00
900.00	4.50	300.30	899.69	5.94	-10.17	11.77	1.50	1.50	0.00
1,000.00	6.00	300.30	999.27	10.56	-18.07	20.92	1.50	1.50	0.00
1,100.00	7.50	300.30	1,098.57	16.49	-28.21	32.68	1.50	1.50	0.00
1,200.00	9.00	300.30	1,197.54	23.73	-40.60	47.03	1.50	1.50	0.00
1,243.04	9.65	300.30	1,240.01	27.24	-46.62	54.00	1.50	1.50	0.00
1,300.00	9.65	300.30	1,296.16	32.06	-54.86	63.54	0.00	0.00	0.00
1,400.00	9.65	300.30	1,394.75	40.51	-69.33	80.30	0.00	0.00	0.00
1,500.00	9.65	300.30	1,493.33	48.97	-83.80	97.05	0.00	0.00	0.00
1,600.00	9.65	300.30	1,591.92	57.42	-98.26	113.81	0.00	0.00	0.00
1,700.00	9.65	300.30	1,690.51	65.87	-112.73	130.57	0.00	0.00	0.00
1,800.00	9.65	300.30	1,789.09	74.33	-127.20	147.32	0.00	0.00	0.00
1,900.00	9.65	300.30	1,887.68	82.78	-141.66	164.08	0.00	0.00	0.00
2,000.00	9.65	300.30	1,986.27	91.23	-156.13	180.83	0.00	0.00	0.00
2,100.00	9.65	300.30	2,084.85	99.69	-170.60	197.59	0.00	0.00	0.00
2,200.00	9.65	300.30	2,183.44	108.14	-185.06	214.34	0.00	0.00	0.00
2,300.00	9.65	300.30	2,282.02	116.60	-199.53	231.10	0.00	0.00	0.00
2,400.00	9.65	300.30	2,380.61	125.05	-214.00	247.85	0.00	0.00	0.00
2,500.00	9.65	300.30	2,479.20	133.50	-228.46	264.61	0.00	0.00	0.00
2,600.00	9.65	300.30	2,577.78	141.96	-242.93	281.36	0.00	0.00	0.00
2,700.00	9.65	300.30	2,676.37	150.41	-257.39	298.12	0.00	0.00	0.00
2,800.00	9.65	300.30	2,774.96	158.86	-271.86	314.87	0.00	0.00	0.00
2,900.00	9.65	300.30	2,873.54	167.32	-286.33	331.63	0.00	0.00	0.00
3,000.00	9.65	300.30	2,972.13	175.77	-300.79	348.39	0.00	0.00	0.00
3,100.00	9.65	300.30	3,070.71	184.22	-315.26	365.14	0.00	0.00	0.00
3,200.00	9.65	300.30	3,169.30	192.68	-329.73	381.90	0.00	0.00	0.00
3,300.00	9.65	300.30	3,267.89	201.13	-344.19	398.65	0.00	0.00	0.00
3,400.00	9.65	300.30	3,366.47	209.58	-358.66	415.41	0.00	0.00	0.00
3,500.00	9.65	300.30	3,465.06	218.04	-373.13	432.16	0.00	0.00	0.00
3,600.00	9.65	300.30	3,563.65	226.49	-387.59	448.92	0.00	0.00	0.00
3,700.00	9.65	300.30	3,662.23	234.95	-402.06	465.67	0.00	0.00	0.00
3,800.00	9.65	300.30	3,760.82	243.40	-416.53	482.43	0.00	0.00	0.00
3,900.00	9.65	300.30	3,859.41	251.85	-430.99	499.18	0.00	0.00	0.00
4,000.00	9.65	300.30	3,957.99	260.31	-445.46	515.94	0.00	0.00	0.00
4,100.00	9.65	300.30	4,056.58	268.76	-459.93	532.70	0.00	0.00	0.00
4,200.00	9.65	300.30	4,155.16	277.21	-474.39	549.45	0.00	0.00	0.00
4,300.00	9.65	300.30	4,253.75	285.67	-488.86	566.21	0.00	0.00	0.00
4,400.00	9.65	300.30	4,352.34	294.12	-503.33	582.96	0.00	0.00	0.00
4,500.00	9.65	300.30	4,450.92	302.57	-517.79	599.72	0.00	0.00	0.00
4,600.00	9.65	300.30	4,549.51	311.03	-532.26	616.47	0.00	0.00	0.00
4,700.00	9.65	300.30	4,648.10	319.48	-546.73	633.23	0.00	0.00	0.00
4,800.00	9.65	300.30	4,746.68	327.93	-561.19	649.98	0.00	0.00	0.00
4,900.00	9.65	300.30	4,845.27	336.39	-575.66	666.74	0.00	0.00	0.00
5,000.00	9.65	300.30	4,943.85	344.84	-590.13	683.49	0.00	0.00	0.00
5,100.00	9.65	300.30	5,042.44	353.30	-604.59	700.25	0.00	0.00	0.00
5,200.00	9.65	300.30	5,141.03	361.75	-619.06	717.01	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 II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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	9.65	300.30	5,239.61	370.20	-633.53	733.76	0.00	0.00	0.00
5,400.00	9.65	300.30	5,338.20	378.66	-647.99	750.52	0.00	0.00	0.00
5,500.00	9.65	300.30	5,436.79	387.11	-662.46	767.27	0.00	0.00	0.00
5,600.00	9.65	300.30	5,535.37	395.56	-676.93	784.03	0.00	0.00	0.00
5,700.00	9.65	300.30	5,633.96	404.02	-691.39	800.78	0.00	0.00	0.00
5,800.00	9.65	300.30	5,732.54	412.47	-705.86	817.54	0.00	0.00	0.00
5,900.00	9.65	300.30	5,831.13	420.92	-720.33	834.29	0.00	0.00	0.00
6,000.00	9.65	300.30	5,929.72	429.38	-734.79	851.05	0.00	0.00	0.00
6,100.00	9.65	300.30	6,028.30	437.83	-749.26	867.80	0.00	0.00	0.00
6,200.00	9.65	300.30	6,126.89	446.28	-763.72	884.56	0.00	0.00	0.00
6,300.00	9.65	300.30	6,225.48	454.74	-778.19	901.32	0.00	0.00	0.00
6,400.00	9.65	300.30	6,324.06	463.19	-792.66	918.07	0.00	0.00	0.00
6,400.95	9.65	300.30	6,325.00	463.27	-792.80	918.23	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 II Q-27-8-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,325.00	463.27	-792.80	7,203,338.43	2,060,715.49	40° 5' 7.078 N	109° 59' 51.871 W

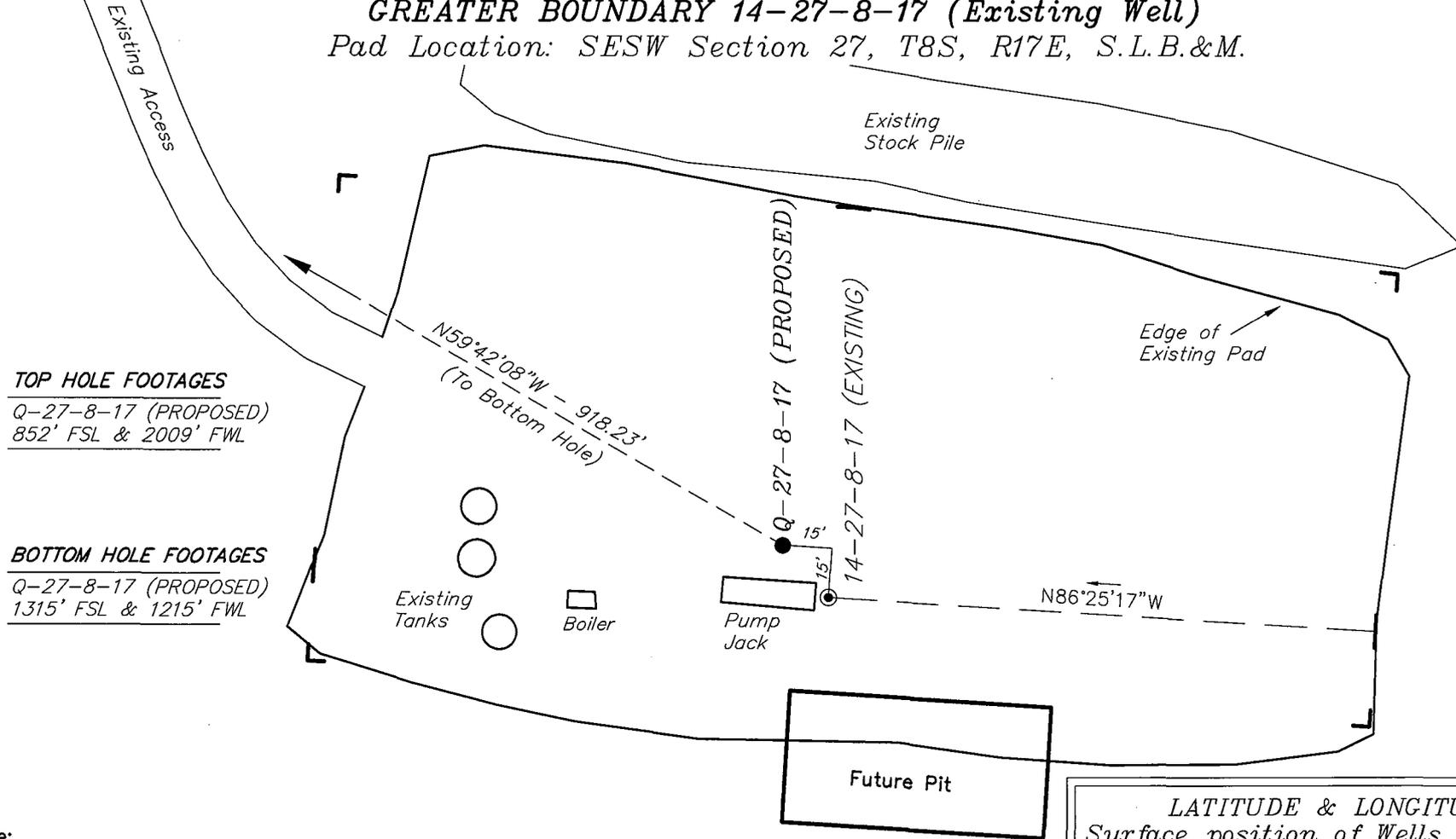
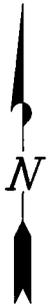
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY Q-27-8-17 (Proposed Well)

GREATER BOUNDARY 14-27-8-17 (Existing Well)

Pad Location: SESW Section 27, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

Q-27-8-17 (PROPOSED)
852' FSL & 2009' FWL

BOTTOM HOLE FOOTAGES

Q-27-8-17 (PROPOSED)
1315' FSL & 1215' FWL

Note:

Bearings are based on
GLO Information.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
Q-27-8-17	463'	-793'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-27-8-17	40° 05' 02.50"	109° 59' 41.67"
14-27-8-17	40° 05' 02.34"	109° 59' 41.49"

SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-04-08
SCALE: 1" = 50'	REVISED:

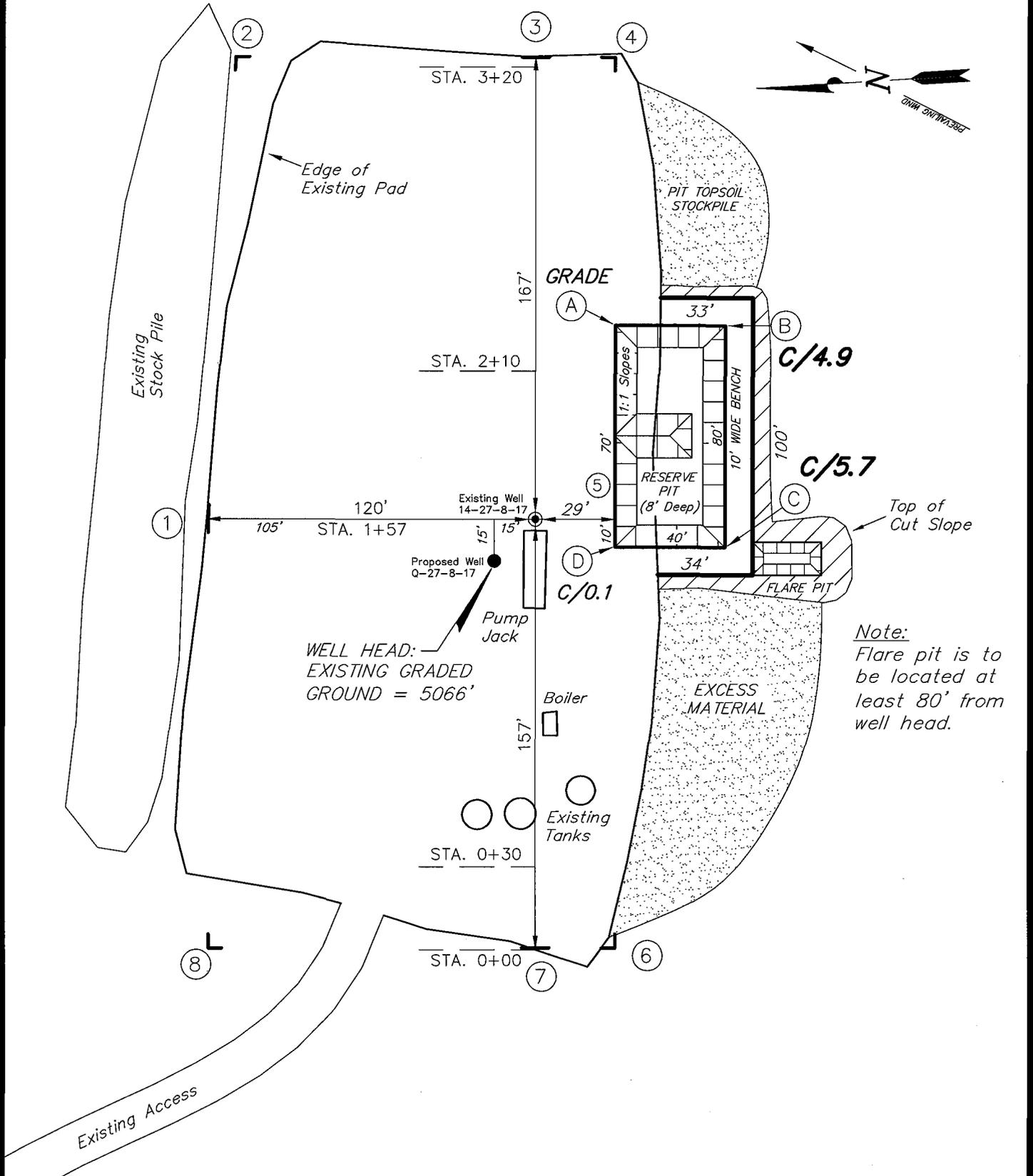
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY Q-27-8-17 (Proposed Well)

GREATER BOUNDARY 14-27-8-17 (Existing Well)

Pad Location: SESW Section 27, T8S, R17E, S.L.B.&M.



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

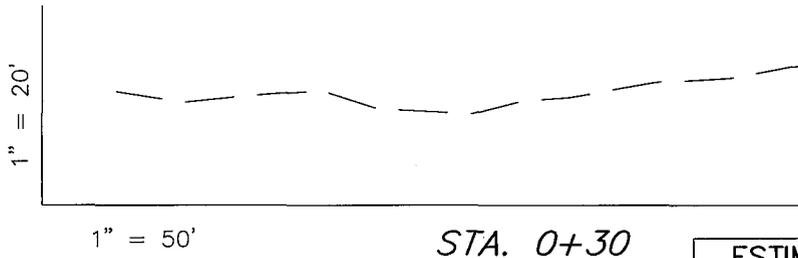
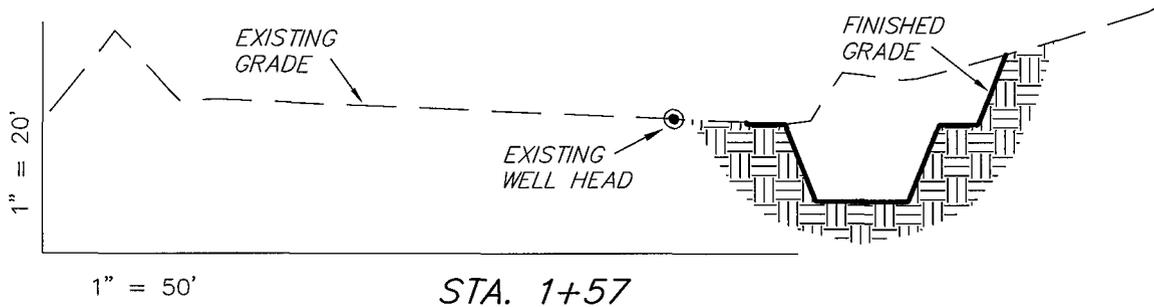
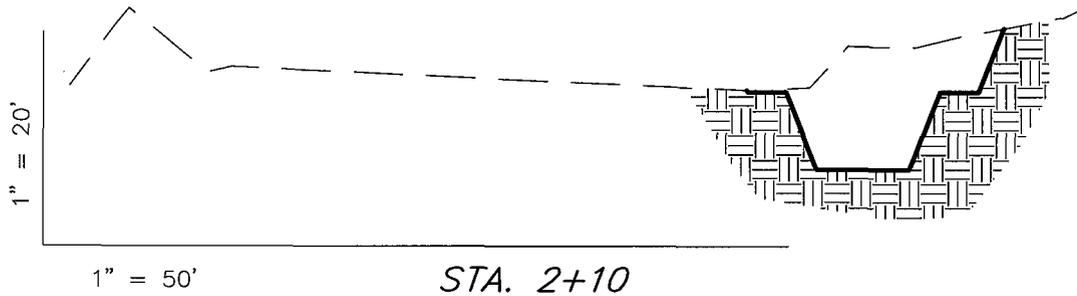
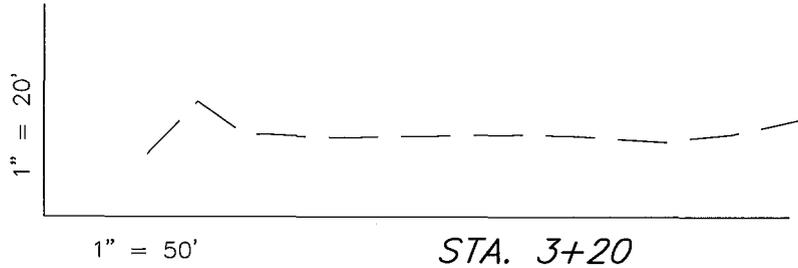
SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-04-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY Q-27-8-17 (Proposed Well)
 GREATER BOUNDARY 14-27-8-17 (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	1,070	0	Topsoil is not included in Pad Cut	1,070
PIT	640	0		640
TOTALS	1,710	0	150	1,710

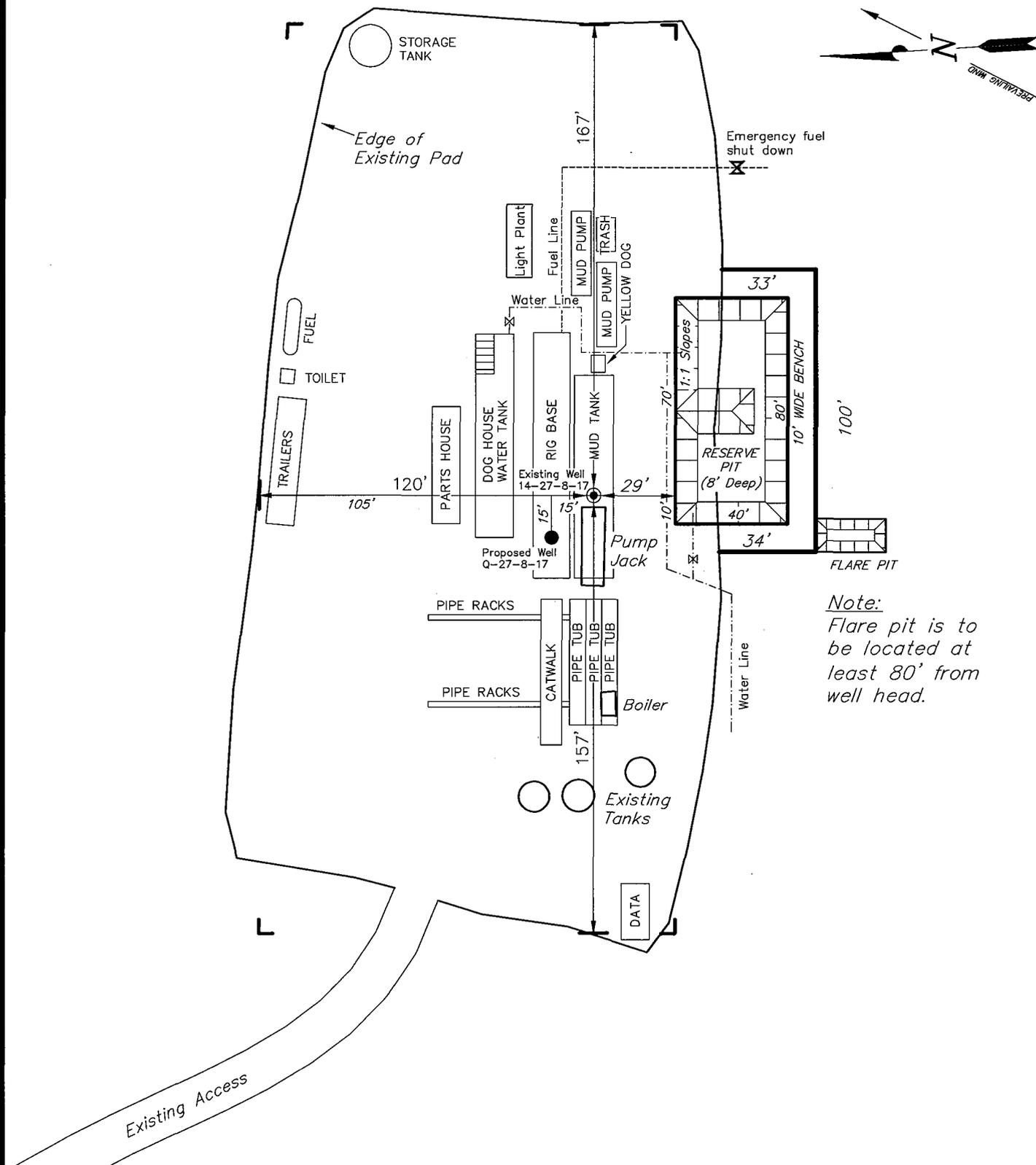
SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-04-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY Q-27-8-17 (Proposed Well)
 GREATER BOUNDARY 14-27-8-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 02-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-04-08
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 Q-27-8-17

From the 14-27-8-17 Location

SE/SW Sec. 27 T8S, R17E

Duchesne County, Utah

UTU-76241

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

Production Phase:

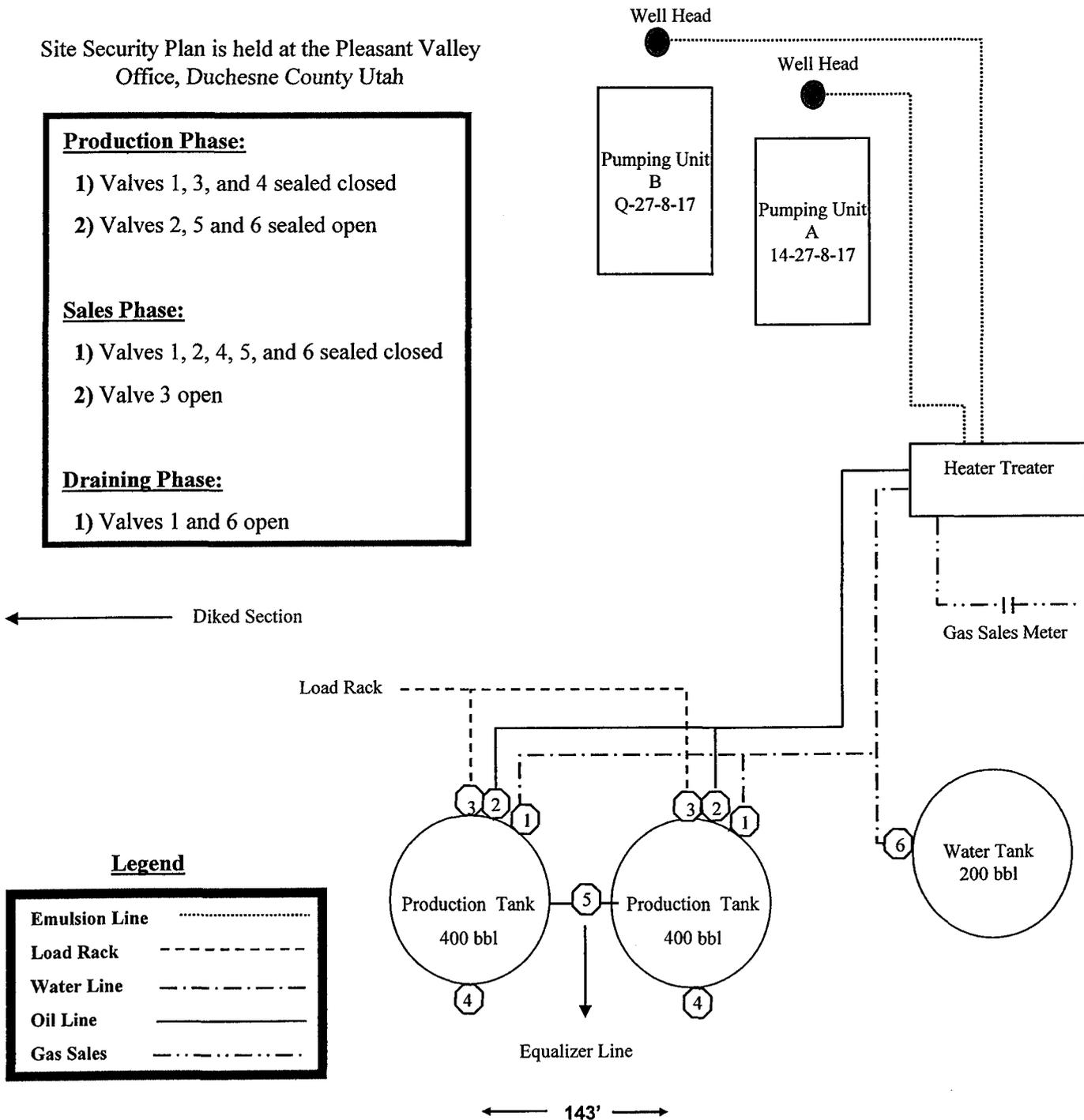
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5 and 6 sealed open

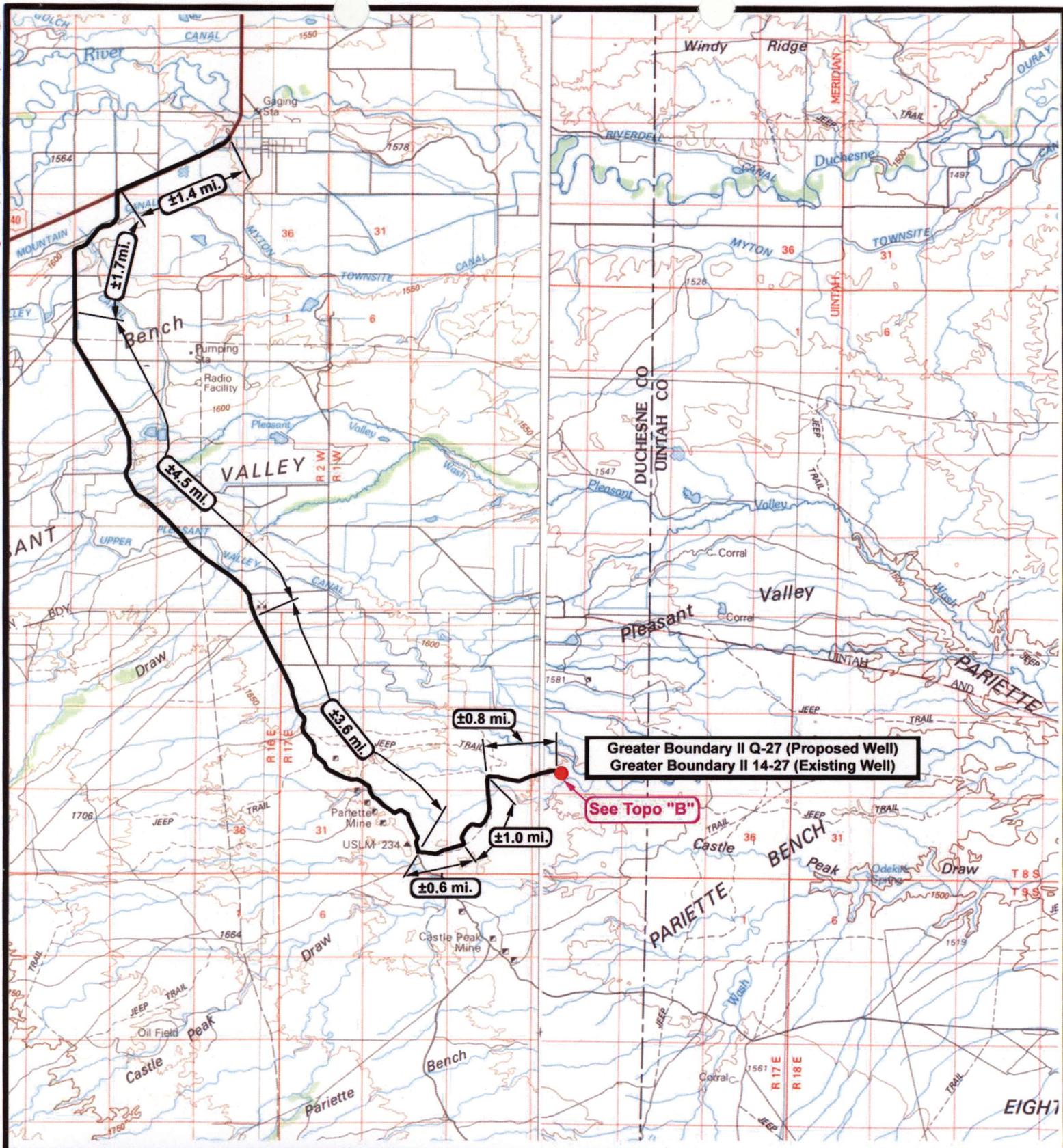
Sales Phase:

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

Draining Phase:

- 1) Valves 1 and 6 open







NEWFIELD
 Exploration Company

Greater Boundary II Q-27-8-17 (Proposed Well)
Greater Boundary II 14-27-8-17 (Existing Well)
Pad Location SESW SEC. 27, T8S, R17E, S.L.B.&M.



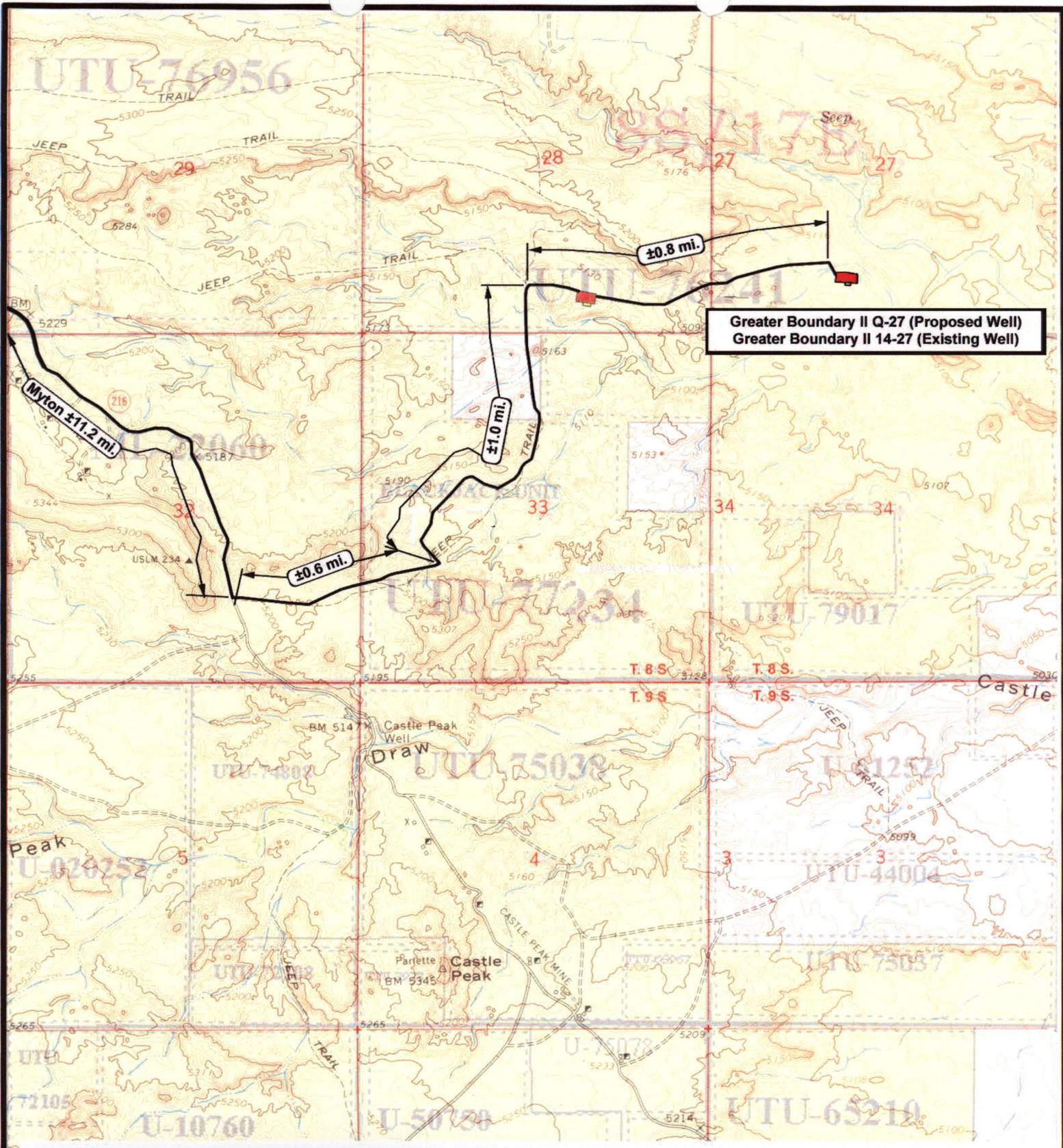

Tri-State
 Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000
 DRAWN BY: mw
 DATE: 04-27-2008

Legend

 Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Greater Boundary II Q-27-8-17 (Proposed Well)
Greater Boundary II 14-27-8-17 (Existing Well)
Pad Location SESW SEC. 27, T8S, R17E, S.L.B.&M.



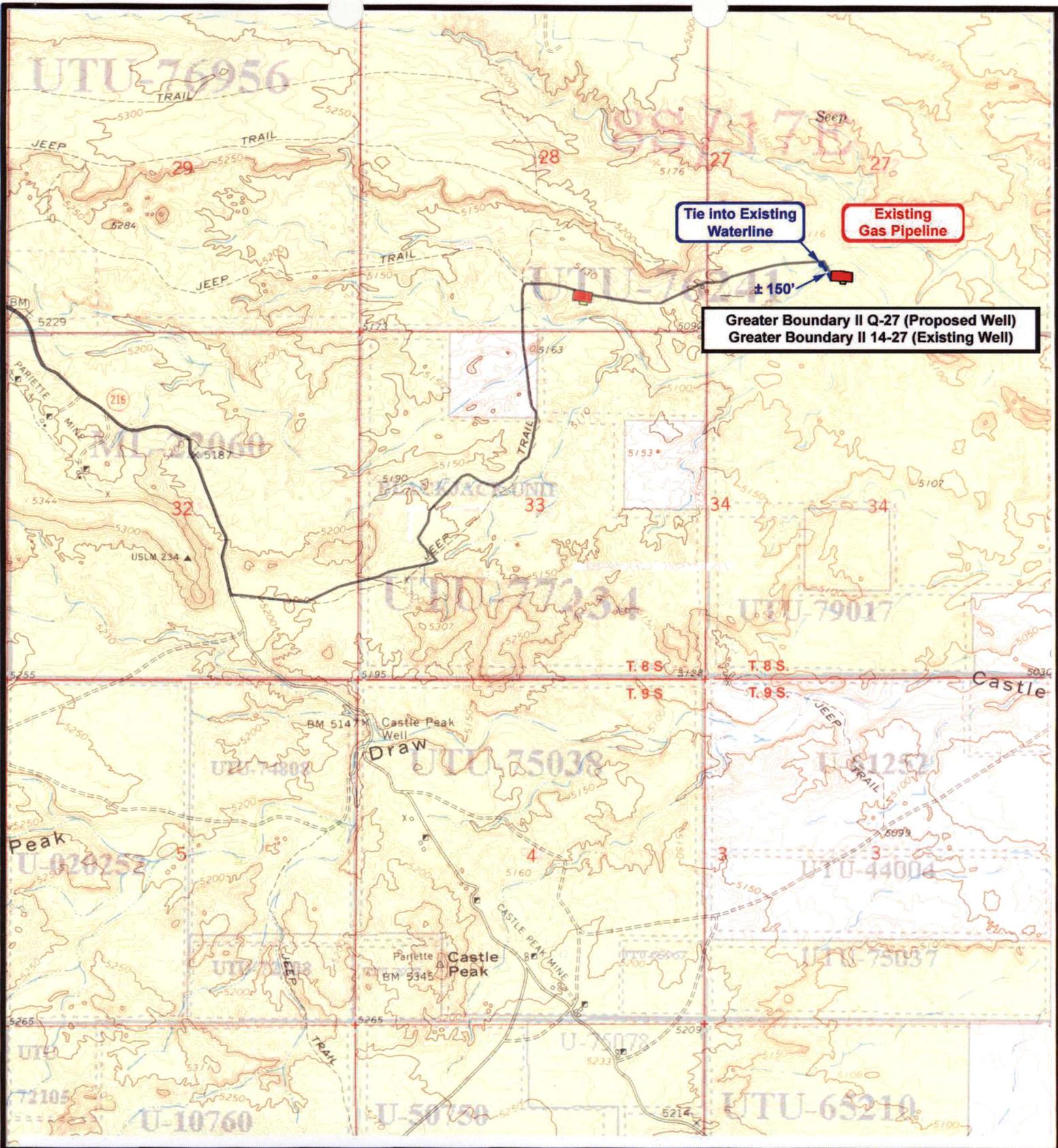
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 04-27-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"B"





NEWFIELD
 Exploration Company

Greater Boundary II Q-27-8-17 (Proposed Well)
Greater Boundary II 14-27-8-17 (Existing Well)
Pad Location SESW SEC. 27, T8S, R17E, S.L.B.&M.




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

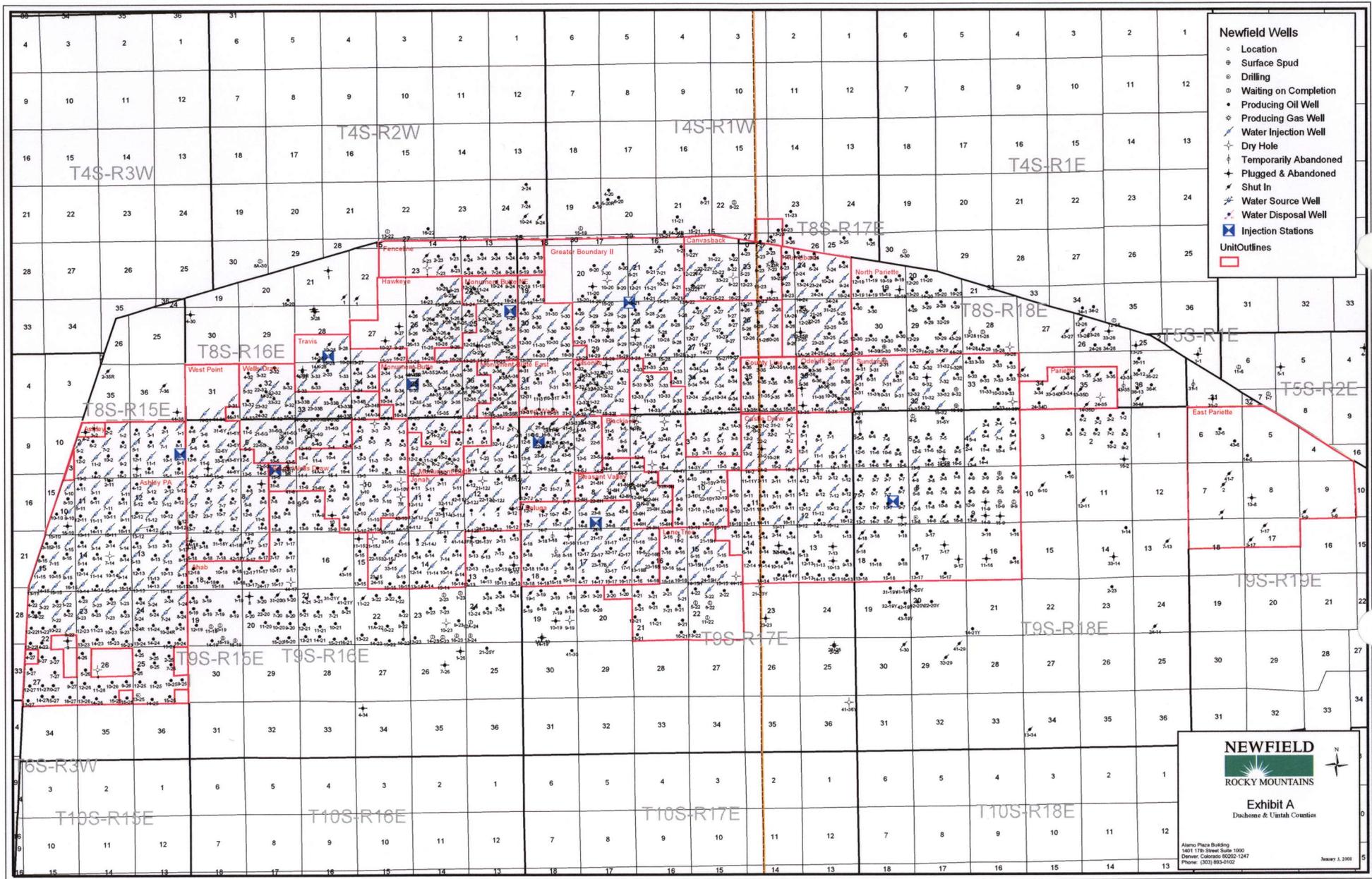
SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 04-27-2008

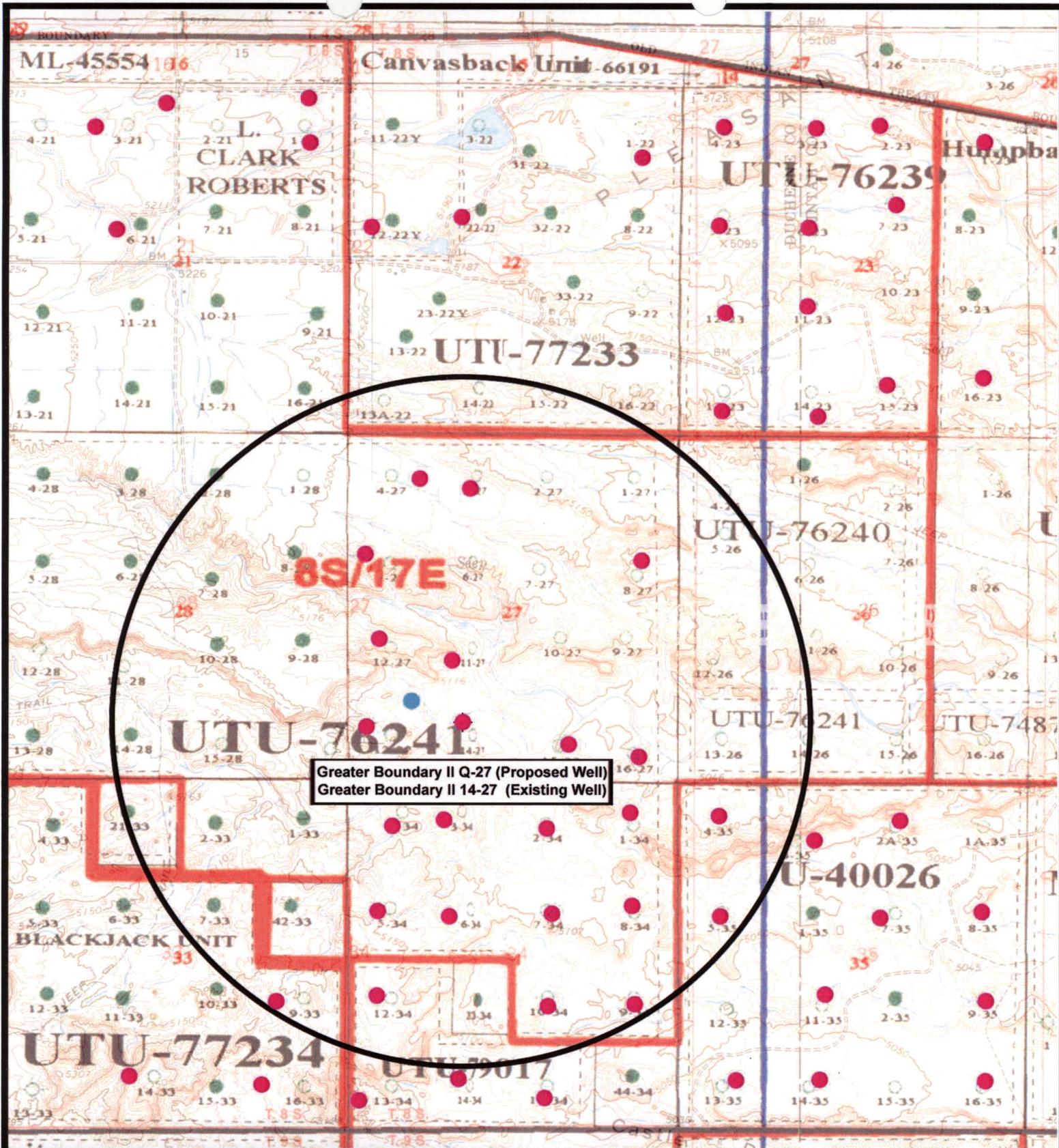
Legend

 Roads
 Proposed Water Line

TOPOGRAPHIC MAP

"C"





Greater Boundary II Q-27 (Proposed Well)
 Greater Boundary II 14-27 (Existing Well)



NEWFIELD
 Exploration Company

Greater Boundary II Q-27-8-17 (Proposed Well)
Greater Boundary II 14-27-8-17 (Existing Well)
 Pad Location: SESW SEC. 27, 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: mw
 DATE: 04-27-2008

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

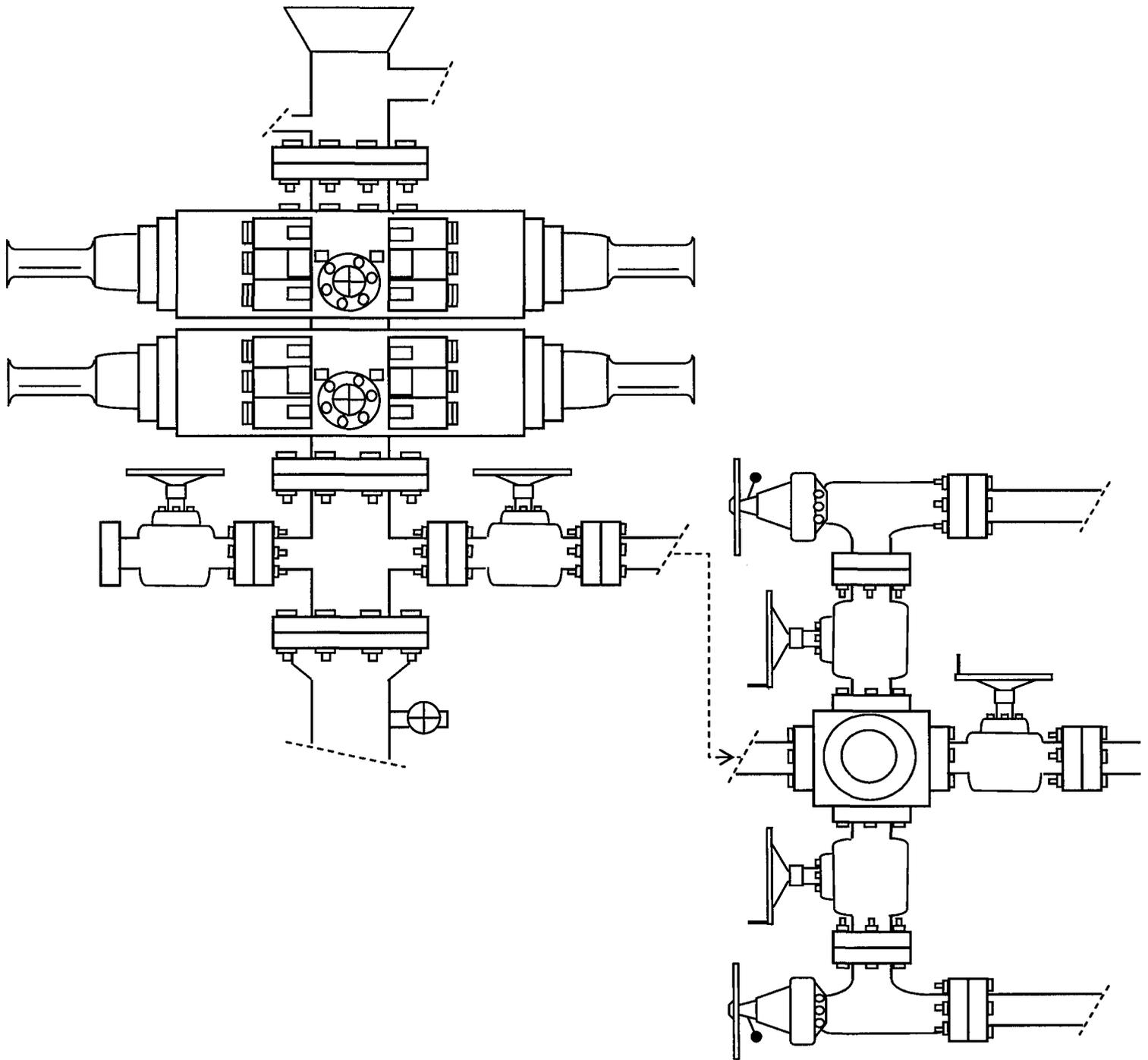


EXHIBIT C

Exhibit "D"
1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S PROPOSED
GREATER BOUNDARY I 14-27-3-17 WATERLINE
(T8S, R17E, SECTION 27)
DUCHESNE COUNTY, UTAH

By:

Elizabeth Hora

Prepared for:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, Utah 84052

Submitted By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-139

June 2, 2008

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0476b

NEWFIELD EXPLORATION COMPANY

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

NE 1/4, NE 1/4 & SW-1/4, NE 1/4, Section 35, T 9 S, R 18 E (1 & 7-35-9-18);
NE 1/4, SW 1/4, & SE 1/4, NE 1/4, Section 34, T 8 S, R 18 E (11 & 42-34-8-18);
SE 1/4, SE 1/4, Section 10, T 9 S, R 16 E (44-10-9-16);
SE 1/4, NE 1/4, Section 15, T 9 S, R 16 E (42-15-9-16);
SE 1/4, SW-1/4, Section 27, T 8 S, R 17 E (14-27-8-17)

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
May 29, 2008

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/25/2008

API NO. ASSIGNED: 43-013-34009

WELL NAME: GB II FED Q-27-8-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 27 080S 170E
 SURFACE: 0852 FSL 2009 FWL
 BOTTOM: 1315 FSL 1215 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.08409 LONGITUDE: -109.9942
 UTM SURF EASTINGS: 585756 NORTHINGS: 4437365
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-76241
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

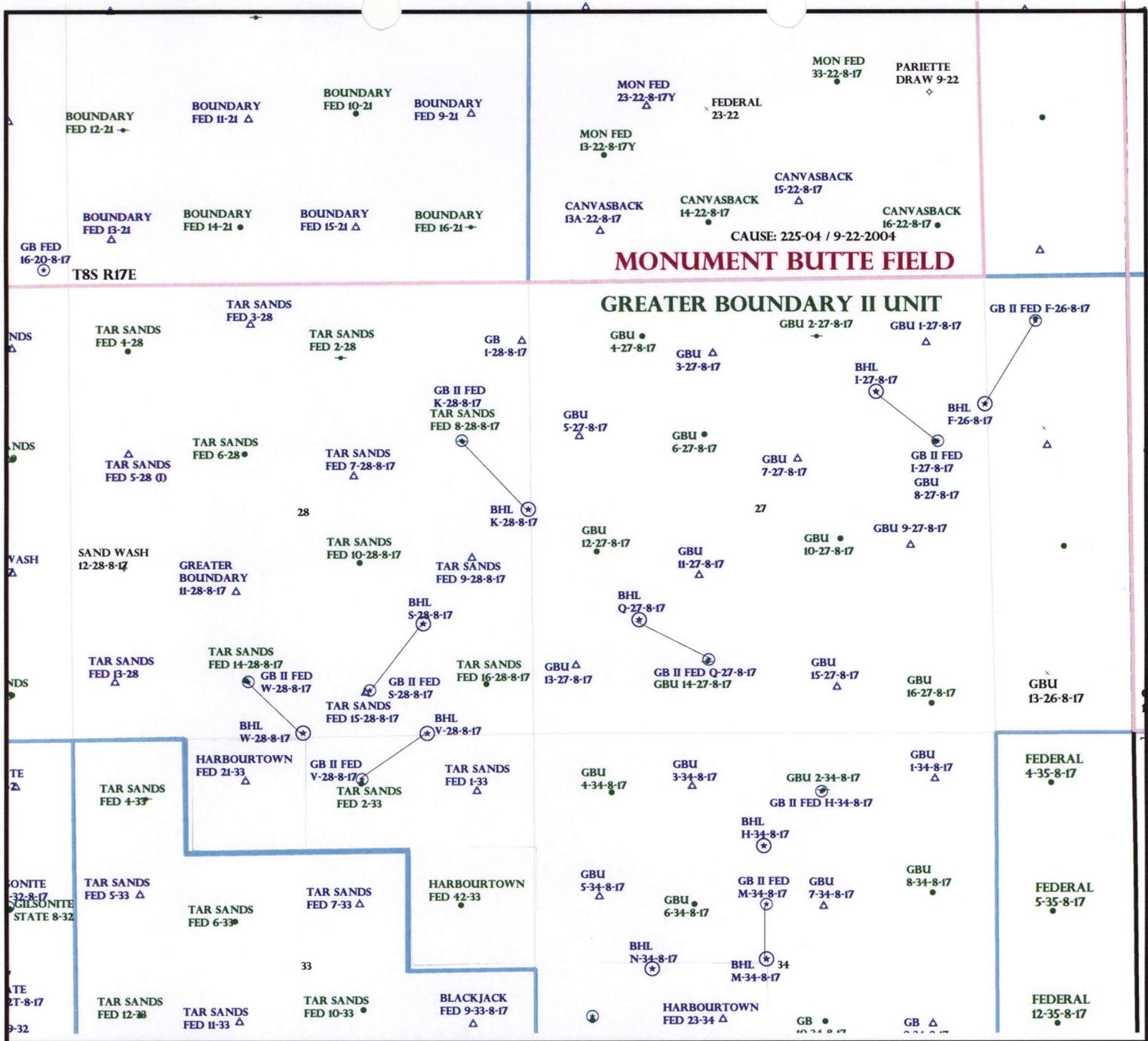
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-10136)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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



MONUMENT BUTTE FIELD

GREATER BOUNDARY II UNIT

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 27 T.8S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 225-04 / 9-22-2004

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

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

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 26-JUNE-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)

June 26, 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 well is planned for calendar year 2008 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Green River)

43-013-34009 GB II Fed Q-27-8-17 Sec 27 T08S R17E 0852 FSL 2009 FWL
BHL Sec 27 T08S R17E 1315 FSL 1215 FWL

We have no objections to permitting the well 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

MCoulthard:mc:6-26-08



June 27, 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 Q-27-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 27: SESW
852' FSL 2009' FWL
Bottom Hole: T8S R17E, Section 27
1315' FSL 1215' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated June 20, 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 02 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-76241

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 Q-27-8-17

9. API Well No.

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface **SE/SW 852' FSL 2009' FWL**
At proposed prod. zone **1315' FSL 1215' FWL**

10. Field and Pool, or Exploratory Monument Butte
Sec. 27, T8S R17E

14. Distance in miles and direction from nearest town or post office*
Approximately 13.6 miles southeast of Myton, Utah

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 3955' /lse, 3955' /lunit
Approx. 831'

16. No. of Acres in lease
1880.00

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. 831'

19. Proposed Depth
6325'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5066' GL

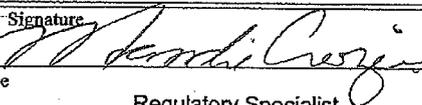
22. Approximate date work will start*
4th Quarter 2008

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 **6/20/08**

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)

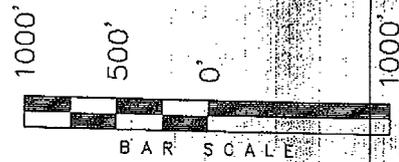
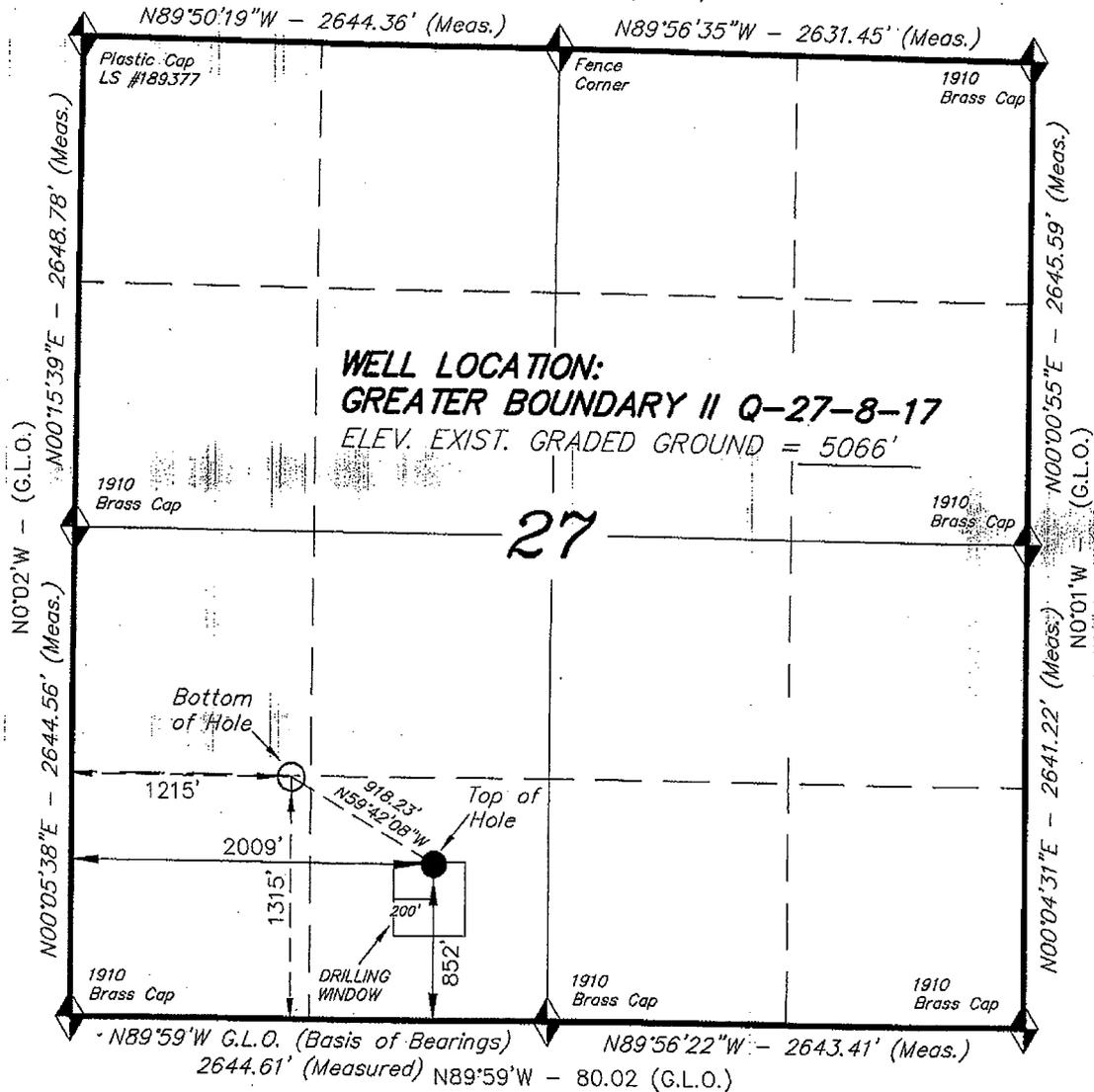
RECEIVED
JUL 02 2008

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

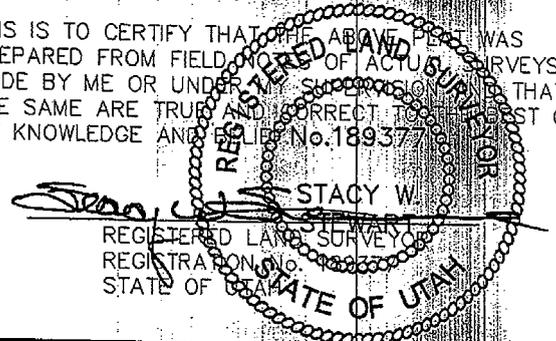
N89°58'W - 80.00 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY II Q-27-8-17, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 27, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

GREATER BOUNDARY II Q-27-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 05' 02.50"
 LONGITUDE = 109° 59' 41.67"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 02-26-08	SURVEYED BY: JH
DATE DRAWN: 04-04-08	DRAWN BY: JH
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 7, 2008

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

Re: Greater Boundary II Federal Q-27-8-17 Well, Surface Location 852' FSL, 2009' FWL, SE SW, Sec. 27, T. 8 South, R. 17 East, Bottom Location 1315' FSL, 1215' FWL, SW SW, Sec. 27, 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 43-013-34009.

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 Q-27-8-17
API Number: 43-013-34009
Lease: UTU-76241

Surface Location: SE SW Sec. 27 T. 8 South R. 17 East
Bottom Location: SW SW Sec. 27 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 JUN 25 PM 12 30

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
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT
APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-76241
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 Q-27-8-17

9. API Well No.
43 013 34009

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 27, T8S R17E

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface SE/SW 852' FSL 2009' FWL
At proposed prod. zone SWSW 1315' FSL 1215' FWL

14. Distance in miles and direction from nearest town or post office*
Approximatley 13.6 miles southeast of Myton, Utah

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 3955' f/lease, 3955' f/unit

16. No. of Acres in lease
1880.00

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. 831'

19. Proposed Depth
6325'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5066' 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.
- 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).

- 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 *Mandi Crozier* Name (Printed/Typed) Mandie Crozier Date 6/20/08

Title Regulatory Specialist

Approved by (Signature) *Jessy Kewala* Name (Printed/Typed) Jessy Kewala Date OCT 16 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. **CONDITIONS OF APPROVAL 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)



NOTICE OF APPROVAL

NOS 06/07/08

AFMSS# 08PPO797A

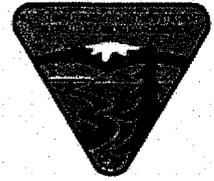


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

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. 27, T8S, R17E(S) SWSW, Sec. 27, T8S, R17E(B)
Well No:	GB II Federal Q-27-8-17	Lease No:	UTU-76241
API No:	43-013-34009	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:	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	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
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 COAs:

STIPULATIONS:

None

Lease Notices from RMP:

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.

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.

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) shall require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.

- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- **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 re-spreading 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.**
- **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 re-contoured and the topsoil re-spread, 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 re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- 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 re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, 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.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.

- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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

SITE SPECIFIC DOWNHOLE COAs:

- None

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_Wellogs@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 # 21 Submitted By Justin Crum Phone Number
823-6733

Well Name/Number Greater Boundry II Federal Q-27-8-17
Qtr/Qtr SE/SW Section 27 Township 8s Range 17e
Lease Serial Number UTU-76241
API Number 43-013-34009

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

Date/Time 1/3/09 9:00 AM PM

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

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

Date/Time 1/3/09 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 _____ AM PM

Remarks _____

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)

SESW Section 27 T8S R17E

5. Lease Serial No.

USA UTU-76241

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

GREATER BOUNDARY II Q-27-8-17

9. API Well No.

4301334009

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 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 1/16/09 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 6,400' & a TVD of 6285'. 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, 160 jt's of 5.5 J-55, 15.5# csgn. Set @ 6394.10' / KB. Cement with 260 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 11.5 bbls cement returned to pit. Nipple down Bop's. Drop slips @78,000 #'s tension. Release rig 6:00 AM 1/23/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 01/23/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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.	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)

RECEIVED
FEB 02 2009

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET @ 6394.1

LAST CASING: 8-5/8" SET @ 338.03
 DATUM (KB) 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE 12
 DRILLER TD 6400' LOGGER TD 6398
 HOLE SIZE 7-7/8" TOP FLOAT COLLAR @ 6354.95
 TOP SHORT JT @ 4203.88

OPERATOR: Newfield Production Company
 WELL: Greater Boundary II Federal Q-27-8-17
 FIELD/PROSPECT: Monument Butte
 CONTRACTOR & RIG #: NDSI #2
 TVD=6285'
 Short Jt = 5.32'

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
160	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	6342.95
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	16.5#	J-55	8rd	A	37.90
1	5 1/2"	GUIDE SHOE					0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6396.1	161
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	38.3	1
TOTAL	6419.15	162
TOTAL CSG. DEL. (W/O THRDS)	6419.15	162

TOTAL LENGTH OF STRING 6396.1
 (-) LANDING JT 14
 (-) AMOUNT CUTOFF 0
 (+) KB ELEVATION 12
CASING SET DEPTH 6394.1

COMPARE (SHOULD BE EQUAL)

CEMENT DATA		TIME	DATE
BEGIN RUN CSG.		8:00 PM	1/22/2009
CSG. IN HOLE		11:30 PM	1/22/2009
BEGIN CIRC		11:30 PM	1/22/2009
BEGIN PUMP CMT		2:00 AM	1/23/2009
BEGIN DSPL. CMT		2:45 AM	1/23/2009
PLUG DOWN		3:07 AM	1/23/2009

GOOD CIRC THRU JOB: Yes
 Bbls CMT CIRC TO SURFACE: 11.5
 RECIPROCATED PIPE: NO
 DID BACK PRES. VALVE HOLD ? Yes
 BUMPED PLUG TO: 2200 PSI

CEMENT USED		
CEMENT COMPANY:	BJ	
STAGE	# SX	CEMENT TYPE & ADDITIVES
1 (lead)	260	Premium Lite fl cement + 0.05 lbs/sack Static Free + 3% bwoc 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% bwoc 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 thrd collar for a total of 20.

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 are code)
435.646.3721

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

SESW Section 27 T8S R17E

5. Lease Serial No.

USA UTU-76241

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

GREATER BOUNDARY II Q-27-8-17

9. API Well No.

4301334009

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	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 1/3/09 MIRU Ross # 24. Spud well @ 9:00am. Drill 325' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 338.03' On 1/11/09 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Cement Dropped to 30' On 1/13/09 Run 30' of 1" Pipe Pumped Cemented to Surface. WOC.

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

Don Bastian

Signature *Don Bastian*

Title

Drilling Foreman

Date

01/22/2009

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)

RECEIVED

FEB 12 2009

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-76241

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GREATER BOUNDARY II

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GREATER BOUNDARY II Q-27-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301334009

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: SESW, 27, T8S, R17E

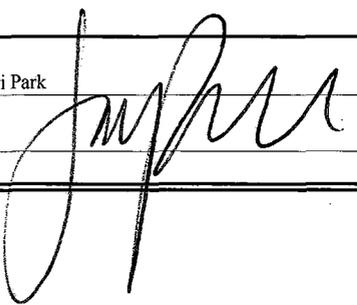
STATE: UT

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 02/11/09, 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)

RECEIVED

MAR 02 2009

DM OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

GRTR BNDRY II Q-27-8-17**12/1/2008 To 4/28/2009****1/30/2009 Day: 1****Completion**

Rigless on 1/29/2009 - 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 @ 6318' & cement top @ 90'. Perforate stage #1, CP4 sds @ 6142-53' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 36 shots. 151 bbls EWTR. SIFN.

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

Rigless on 2/4/2009 - Stage #1, CP4 sands. RU BJ Services. 400 psi on well. Frac CP4 sds w/ 52,487#'s of 16/30 sand in 546 bbls of Lightning 20 fluid. Broke @ 2192 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2904 psi @ ave rate of 31.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. Screened out 116 bbls into flush. Est 44,987# sand into formation. Flow well back until sand cleaned up. Recovered 320 bbls. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6', 5', 8', 5' perf guns. Set plug @ 6060'. Perforate CP.5,1,2&3 sds @ 6004-10', 5941-5946', 5894-5902', 5862-67' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 96 shots. 377 BWTR Stage #2, CP.5,1,2,3 sands. RU BJ Services. 1600 psi on well. Frac CP.5,1,2,3 sds w/ 29,589#'s of 16/30 sand in 439 bbls of Lightning 22 fluid. Broke @ 3549 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2338 psi @ ave rate of 35.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 26' perf guns. Set plug @ 5720'. Perforate LODC sds @ 5646-5672' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 104 shots. 816 BWTR Stage #3, LODC sands. RU BJ Services. 1359 psi on well. Perfs wouldn't break. RU Perforators LLC WLT. RIH w/ bailer & spot 8 gals of 15% HCL @ 5672'. RU BJ services. 1233 psi on well. Frac LODC sds w/ 142,473#'s of 16/30 sand in 1183 bbls of Lightning 22 fluid. Broke @ 3310 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2713 psi @ ave rate of 36.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. SWIFN. 1999 BWTR.

2/6/2009 Day: 3**Completion**

Rigless on 2/5/2009 - Stage #4, A3 sands. RU Perforators WLT. 900 psi on casing. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8', 7', & 7' perf guns. Tagged sand @ 5561'. (19' above bottom perf, 39' above plug). POOH w/ WL. Flow back well for 1 hr @ 4 BPM. Recovered ~ 240 bbls w/ trace of sand & trace of oil and gas. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8', 7', & 7' perf guns. Set plug @ 5600'. Perforate A3 sds @ 5572-5580', 5558-5565, & 5543-5550' w/ 3-1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 88 shots. Wait for BJ blender parts from Vernal for 1 hr. RU BJ Services. 687 psi on well. Perfs wouldn't break. RU Perforators LLC WLT. RIH w/ 8 gals of 15% HCL in dump bailer. Tag sand high @ 5390' (190' above bottom perf, 210' above plug). Spot acid @ 5390' (top of

sand). RU BJ and flow back well for 5 min @ 5 BPM. We were able to break down formation @ 2697 psi. Frac A3 sds w/ 100,727 #'s (20K less than planned) of 16/30 sand in 907 bbls of Lightning 22 fluid. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2939 psi @ ave rate of 31 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. 2638 BWTR Stage #5, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 10' perf gun. Set plug @ 4630'. Perforate GB6 sds @ 4538-4548' w/ 3-1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331) w/ 4 spf for total of 40 shots. RU BJ Services. 1780 psi on well. Frac GB6 w/ 50,563 #'s of 16/30 sand in 509 bbls of Lightning 22 fluid. Broke @ 2070 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2218 psi @ ave rate of 28 BPM. Flushed w/ 106 bbls. ISIP 2140 psi. Flow back immediately @ 3-4 BPM for 3.75 hrs. Recovered ~ 675 bbls. 2472 BWTR.

2/7/2009 Day: 4**Completion**

Rigless on 2/6/2009 - MIRUSU. No pressure on wellhead. ND frac valve and frac T. NU wellhead T & BOP's. MU 4-3/4" bit and bit sub. RIH w/ 146 jts 2-7/8" J-55 6.5# EUE 8rd. Tag fill @ 4559'. Clean out 71' of fill to Plug # 1 @ 4630'. Drill out plug #1. Circulate well clean. RIH w/ 31 jts and tag plug #2 @ 5600'. No fill on plug #2. LD 4 jts. EOT @ 5494' Drain pump and lines. SWIFN.

2/10/2009 Day: 5**Completion**

Nabors #823 on 2/9/2009 - Thaw out well. 300 psi on casing. 100 psi on tubing. Drill out plug #2 @ 5600'. Tag fill @ 5660'. Clean out to plug #3 @ 5720'. Drill out plug #3. Tag fill @ 5890'. Clean out to plug #4 @ 6060'. Drill out plug #4. Tag fill @ 6147'. Clean out to PBD of 6355'. Circulate well clean. TOOH w/ 5 jts. EOT @ 6209'. Start swabing @ 3:30 pm. IFL = surface. Make 8 swab runs. Recover 90 bbls water w/ traces of sand. FFL = 500'. SWIFN. 2382 BWTR.

2/11/2009 Day: 6**Completion**

Nabors #823 on 2/10/2009 - Thaw out well. 300 psi on casing. 150 psi on tubing. Open tubing to flat tank. Flowed +/- 10 bbls oil & +/- 20 bbls water. No sand. Circulate well w/ 140 bbls water. RIH w/ 5 stds. Of 2-7/8" tubing to PBD @ 6355'. LD 5 jts. Standback 199 jts 2-7/8". LD bit sub and 4-3/4" bit. MU and RIH w/ 2-7/8" NC, 2 jts 2-7/8" J-55 6.5# EUE 8rd, SN, 1 jt, TAC (w/ 45k shear), 196 jts 2-7/8". ND BOP's set TAC w/ 18,000#'s tension. NU wellhead. Flush tubing w/ 60 bbls hot water. Test pump. RIH w/ pump, 4 x 1-1/2" weight bars, 46 guided rods (8 per rod). SWIFN.

2/12/2009 Day: 7**Completion**

Nabors #823 on 2/11/2009 - Thaw out well. Pump 30 bbls water down tubing to fill well. RIH w/ 195 guided 7/8" scrapers (8 per). Used 8' & 4' & 2' 7/8" pony rods to space out. Hang w/ 1-1/2" x 26' polish rod. Hang horseshead. Tubing full. Stroke test pump w/ unit to 800 psi. Test good. RDMOSU. PWOP @ 12:00 PM w/ 3 SPM & SL = 122". FINAL REPORT!

Pertinent Files: Go to File List

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

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

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

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

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

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

At surface 852' FSL & 2009' FWL (SE/SW) SEC. 27, T8S, R17E

At top prod. interval reported below BHL: ~~1316' FSL & 1216' FWL (SW/SW)~~
1311 fsl 1047 fwl

At total depth 6400'

14. Date Spudded
01/03/2009

15. Date T.D. Reached
01/22/2009

16. Date Completed 02/11/2009
 D & A Ready to Prod.

5. Lease Serial No.
UTU-76241

6. If Indian, Allottee or Tribe Name
NA

7. Unit or CA Agreement Name and No.
FEDERAL

8. Lease Name and Well No.
GB FEDERAL Q-27-8-17

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 27, T8S, R17E

12. County or Parish
DUCHESNE

13. State
UT

17. Elevations (DF, RKB, RT, GL)*
5066' GL 5078' KB

18. Total Depth: MD 6400'
TVD 6285'

19. Plug Back T.D.: MD 6355'
TVD 6240

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#		338'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6394'		260 PRIMLITE		90'	
						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@ 6218'	TA @ 6129'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP4) 6142-6153'	.49"	4	36
B) GREEN RIVER			(CP3),(CP2),(CP1),(CP.5)	.49"	4	96
C) GREEN RIVER			(LODC) 5646-5672'	.49"	4	104
D) GREEN RIVER			(A3) see below	.49"	4	88

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

Depth Interval	Amount and Type of Material
6142-6153'	Frac w/ 52487# of 16/30 snd 546 bbls fluid
5862-6010	Frac w/ 29589# 16/30 snd 439 bbls fluid
5646-4672'	Frac w/ 142473# 16/30 snd 1183 bbls fluid
5543-5580'	Frac w/ 100727# 16/30 snd 907 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
02/11/09	02/25/09	24	→	46	15	9			2-1/2" x 1-3/4" x 16' 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	
			→						

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

RECEIVED
MAR 09 2009

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	3992' 4183'
				GARDEN GULCH 2 POINT 3	4300' 4561'
				X MRKR Y MRKR	4809' 4846'
				DOUGALS CREEK MRK BI CARBONATE MRK	4980' 5225'
				B LIMESTON MRK CASTLE PEAK	5368' 5841'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6270' 6398'

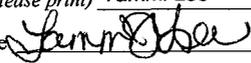
32. Additional remarks (include plugging procedure):

(CP3) 6004-6010' (CP2) 5941-5946' (CP1) 5894-5902' (CP.5) 5862-5867'
 (A3) 5572-5580', 5558-5565', 5543-5550'
 (GB6) 4538-4548' .49" 4/40 4538-4548' Frac w/ 50563#'s of 16/30 sand in 509 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 03/03/2009

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 II Q-27-8-17</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF0901040</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 383 feet to a measured depth of 6400 feet is true and correct as determined from all available records.

Signature

22-Jan-09

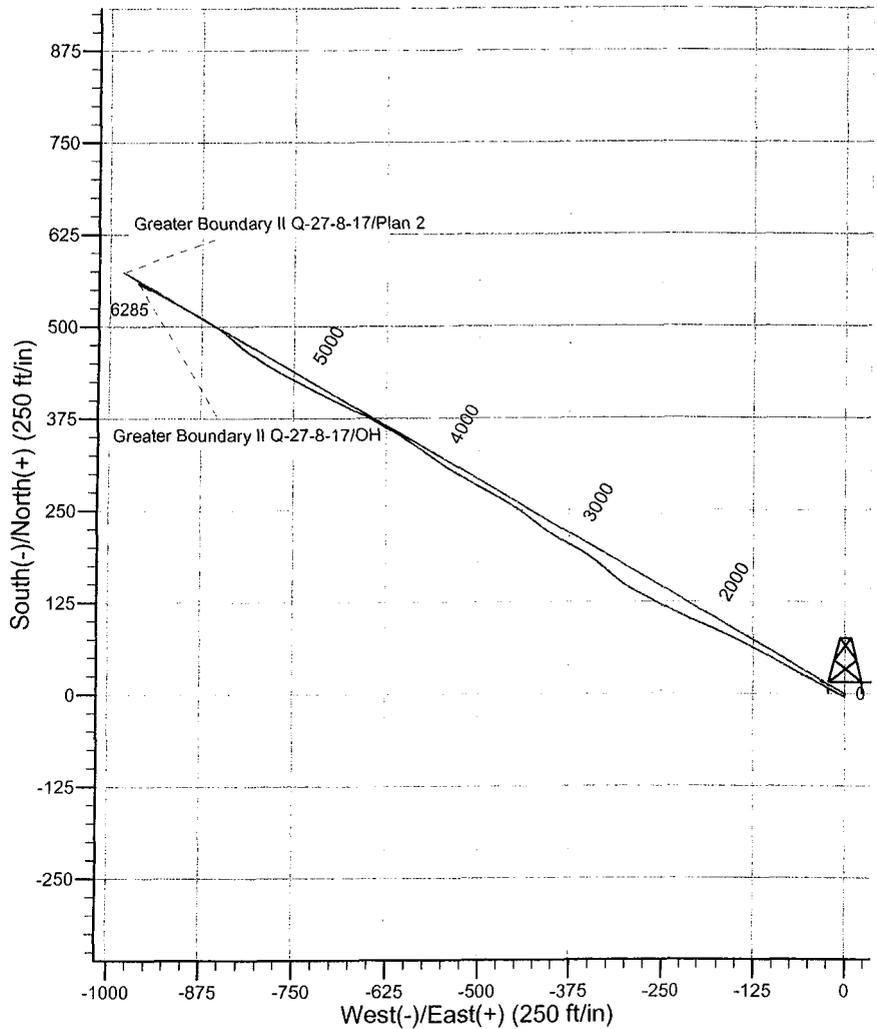
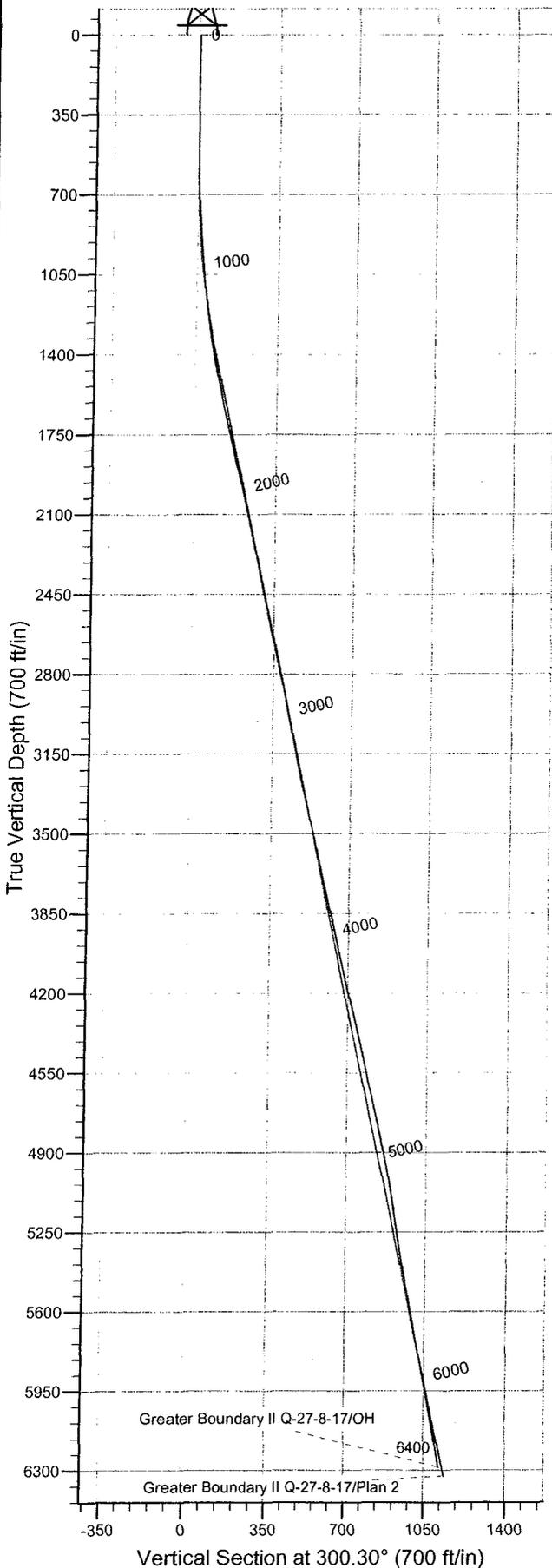
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District



Project: Duchesne County, UT NAD83 UTC
 Site: Greater Boundary II
 Well: Greater Boundary II Q-27-8-17
 Wellbore: OH
 Design: OH

Newfield Exploration Co.



WELL DETAILS: Greater Boundary II Q-27-8-17

Ground Level: GL 5066' & RKB 12' @ 5078.00ft					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7202888.57	2061515.97	40° 5' 2.500 N	109° 59' 41.670 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Greater Boundary II Q-27-8-17, True North
 Vertical (TVD) Reference: GL 5066' & RKB 12' @ 5078.00ft
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 5066' & RKB 12' @ 5078.00ft
 Calculation Method: Minimum Curvature
 Local North: True
 Location:

PROJECT DETAILS: Duchesne County, UT NAD83 UTC Design: OH (Greater Boundary II Q-27-8-17/OH)

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

Created By: Gregg Detweiler Date: 2009-01-21



Scientific Drilling
Rocky Mountain Operations

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary II

Greater Boundary II Q-27-8-17

OH

Design: OH

Standard Survey Report

22 January, 2009



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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 II,				
Site Position:		Northing:	7,206,865.99ft	Latitude:	40° 5' 41.180 N
From:	Lat/Long	Easting:	2,065,248.74ft	Longitude:	109° 58' 52.780 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	Greater Boundary II Q-27-8-17, 852' FSL 2009' FWL Sec 27 T8S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,202,888.57 ft	Latitude:	40° 5' 2.500 N
	+E/-W	0.00 ft	Easting:	2,061,515.97 ft	Longitude:	109° 59' 41.670 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,066.00ft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2009-01-16	11.59	65.91	52,571

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	300.30	

Survey Program	Date	2009-01-22			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
383.00	6,400.00	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
383.00	0.62	174.83	382.99	-2.06	0.19	-1.20	0.16	0.16	0.00
First SDI MWD Survey									
414.00	0.49	164.29	413.99	-2.36	0.24	-1.40	0.53	-0.42	-34.00
444.00	0.35	183.14	443.99	-2.57	0.27	-1.53	0.65	-0.47	62.83
475.00	0.46	216.58	474.99	-2.77	0.19	-1.56	0.82	0.35	107.87
506.00	0.45	243.66	505.99	-2.92	0.00	-1.48	0.69	-0.03	87.35
536.00	0.76	261.60	535.99	-3.00	-0.30	-1.26	1.20	1.03	59.80
567.00	1.08	262.86	566.98	-3.07	-0.79	-0.87	1.03	1.03	4.06
598.00	1.64	281.82	597.97	-3.01	-1.51	-0.21	2.29	1.81	61.16
628.00	1.79	284.62	627.96	-2.81	-2.39	0.65	0.57	0.50	9.33
659.00	2.36	287.83	658.94	-2.49	-3.46	1.73	1.88	1.84	10.35
690.00	2.52	288.84	689.91	-2.08	-4.72	3.03	0.53	0.52	3.26



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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)
721.00	2.90	296.81	720.88	-1.50	-6.06	4.48	1.72	1.23	25.71
751.00	2.99	296.03	750.84	-0.82	-7.44	6.01	0.33	0.30	-2.60
782.00	3.27	299.85	781.79	-0.02	-8.94	7.70	1.13	0.90	12.32
813.00	3.88	300.52	812.73	0.95	-10.61	9.64	1.97	1.97	2.16
843.00	4.21	299.21	842.66	2.00	-12.44	11.75	1.14	1.10	-4.37
874.00	4.27	299.09	873.57	3.12	-14.44	14.04	0.20	0.19	-0.39
904.00	4.59	299.38	903.48	4.25	-16.47	16.36	1.07	1.07	0.97
936.00	4.69	299.99	935.38	5.53	-18.71	18.95	0.35	0.31	1.91
968.00	4.88	298.91	967.27	6.85	-21.04	21.62	0.66	0.59	-3.37
1,000.00	5.15	299.25	999.14	8.21	-23.48	24.42	0.85	0.84	1.06
1,031.00	5.36	297.98	1,030.01	9.57	-25.98	27.25	0.77	0.68	-4.10
1,063.00	5.84	297.02	1,061.86	11.01	-28.75	30.37	1.53	1.50	-3.00
1,095.00	5.86	296.50	1,093.69	12.47	-31.66	33.63	0.18	0.06	-1.62
1,127.00	6.23	297.66	1,125.52	14.01	-34.66	36.99	1.22	1.16	3.62
1,158.00	6.78	299.70	1,156.32	15.70	-37.74	40.50	1.92	1.77	6.58
1,190.00	6.94	299.08	1,188.09	17.57	-41.07	44.32	0.55	0.50	-1.94
1,222.00	7.64	299.52	1,219.83	19.56	-44.61	48.38	2.19	2.19	1.37
1,253.00	8.04	296.97	1,250.54	21.56	-48.33	52.61	1.71	1.29	-8.23
1,285.00	8.54	297.18	1,282.20	23.66	-52.44	57.22	1.57	1.56	0.66
1,317.00	8.66	296.85	1,313.84	25.83	-56.71	61.99	0.41	0.37	-1.03
1,348.00	9.02	297.62	1,344.48	28.01	-60.94	66.75	1.22	1.16	2.48
1,380.00	9.64	298.51	1,376.05	30.46	-65.52	71.93	1.99	1.94	2.78
1,412.00	9.84	298.63	1,407.59	33.04	-70.27	77.34	0.63	0.62	0.37
1,444.00	10.01	297.31	1,439.11	35.63	-75.14	82.85	0.89	0.53	-4.12
1,475.00	10.48	297.24	1,469.62	38.16	-80.04	88.36	1.52	1.52	-0.23
1,507.00	11.18	298.30	1,501.05	40.96	-85.36	94.37	2.27	2.19	3.31
1,539.00	11.44	298.37	1,532.43	43.94	-90.89	100.64	0.81	0.81	0.22
1,570.00	11.90	297.88	1,562.78	46.89	-96.42	106.91	1.52	1.48	-1.58
1,602.00	12.41	299.18	1,594.07	50.11	-102.34	113.64	1.81	1.59	4.06
1,634.00	12.61	298.64	1,625.31	53.46	-108.40	120.57	0.72	0.62	-1.69
1,666.00	12.80	300.21	1,656.52	56.92	-114.53	127.61	1.23	0.59	4.91
1,697.00	12.97	298.83	1,686.74	60.33	-120.55	134.52	1.13	0.55	-4.45
1,729.00	13.14	298.39	1,717.92	63.79	-126.89	141.74	0.62	0.53	-1.37
1,761.00	13.26	297.87	1,749.07	67.23	-133.34	149.04	0.53	0.37	-1.62
1,792.00	13.00	296.00	1,779.26	70.42	-139.61	156.07	1.61	-0.84	-6.03
1,824.00	13.13	295.11	1,810.43	73.54	-146.14	163.28	0.75	0.41	-2.78
1,856.00	13.24	294.55	1,841.59	76.61	-152.76	170.55	0.53	0.34	-1.75
1,887.00	13.24	294.01	1,871.77	79.53	-159.24	177.61	0.40	0.00	-1.74
1,919.00	13.16	293.89	1,902.92	82.49	-165.91	184.87	0.26	-0.25	-0.37
1,951.00	13.10	295.11	1,934.08	85.51	-172.53	192.10	0.89	-0.19	3.81
1,983.00	12.83	293.64	1,965.27	88.47	-179.07	199.24	1.33	-0.84	-4.59
2,014.00	12.94	294.15	1,995.49	91.27	-185.39	206.11	0.51	0.35	1.65
2,046.00	13.06	295.00	2,026.67	94.27	-191.93	213.27	0.71	0.37	2.66
2,078.00	12.52	294.57	2,057.87	97.24	-198.36	220.33	1.71	-1.69	-1.34
2,109.00	12.29	293.63	2,088.15	99.96	-204.44	226.95	0.99	-0.74	-3.03
2,141.00	12.25	293.59	2,119.42	102.68	-210.67	233.70	0.13	-0.12	-0.12
2,173.00	12.06	293.51	2,150.70	105.37	-216.85	240.39	0.60	-0.59	-0.25
2,205.00	12.11	294.64	2,181.99	108.11	-222.97	247.05	0.76	0.16	3.53
2,236.00	12.13	295.08	2,212.30	110.84	-228.87	253.53	0.30	0.06	1.42
2,268.00	12.41	295.30	2,243.57	113.74	-235.03	260.30	0.89	0.87	0.69
2,300.00	12.24	296.55	2,274.83	116.72	-241.17	267.11	0.99	-0.53	3.91
2,331.00	12.28	296.99	2,305.12	119.69	-247.05	273.69	0.33	0.13	1.42
2,363.00	12.15	298.15	2,336.40	122.82	-253.05	280.45	0.87	-0.41	3.62
2,395.00	12.24	298.26	2,367.68	126.01	-259.01	287.20	0.29	0.28	0.34



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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)
2,427.00	12.51	299.15	2,398.93	129.31	-265.02	294.06	1.03	0.84	2.78
2,458.00	12.55	298.54	2,429.20	132.55	-270.91	300.78	0.45	0.13	-1.97
2,490.00	12.18	297.28	2,460.45	135.76	-276.97	307.63	1.43	-1.16	-3.94
2,522.00	11.70	297.39	2,491.76	138.80	-282.85	314.24	1.50	-1.50	0.34
2,553.00	11.48	298.80	2,522.13	141.73	-288.34	320.46	1.16	-0.71	4.55
2,585.00	11.06	300.18	2,553.51	144.81	-293.79	326.71	1.56	-1.31	4.31
2,617.00	11.26	303.44	2,584.91	148.08	-299.05	332.90	2.07	0.62	10.19
2,648.00	11.44	306.70	2,615.30	151.58	-304.04	338.98	2.15	0.58	10.52
2,680.00	11.50	308.96	2,646.66	155.48	-309.06	345.29	1.42	0.19	7.06
2,711.00	11.83	309.81	2,677.02	159.46	-313.91	351.48	1.20	1.06	2.74
2,743.00	12.30	309.22	2,708.32	163.72	-319.07	358.08	1.52	1.47	-1.84
2,775.00	12.73	310.35	2,739.56	168.15	-324.39	364.92	1.55	1.34	3.53
2,806.00	13.24	311.37	2,769.76	172.71	-329.66	371.77	1.80	1.65	3.29
2,837.00	13.69	309.86	2,799.91	177.41	-335.14	378.87	1.84	1.45	-4.87
2,869.00	13.68	307.92	2,831.00	182.16	-341.03	386.35	1.43	-0.03	-6.06
2,901.00	12.99	304.70	2,862.14	186.53	-346.97	393.69	3.17	-2.16	-10.06
2,932.00	12.49	302.21	2,892.38	190.30	-352.68	400.51	2.40	-1.61	-8.03
2,964.00	11.97	300.89	2,923.65	193.85	-358.45	407.29	1.84	-1.62	-4.12
2,996.00	11.55	300.03	2,954.98	197.16	-364.07	413.81	1.42	-1.31	-2.69
3,027.00	11.56	299.44	2,985.35	200.24	-369.46	420.02	0.38	0.03	-1.90
3,059.00	11.41	299.53	3,016.71	203.38	-375.01	426.39	0.47	-0.47	0.28
3,091.00	11.46	299.35	3,048.07	206.49	-380.54	432.73	0.19	0.16	-0.56
3,123.00	11.77	300.32	3,079.42	209.70	-386.12	439.18	1.14	0.97	3.03
3,154.00	11.44	302.79	3,109.79	212.96	-391.44	445.41	1.92	-1.06	7.97
3,186.00	11.52	303.36	3,141.15	216.44	-396.77	451.77	0.43	0.25	1.78
3,218.00	11.81	304.97	3,172.48	220.07	-402.13	458.23	1.36	0.91	5.03
3,249.00	12.41	305.63	3,202.79	223.83	-407.43	464.70	1.99	1.94	2.13
3,281.00	12.68	307.02	3,234.03	227.95	-413.03	471.62	1.27	0.84	4.34
3,313.00	13.38	306.94	3,265.21	232.29	-418.80	478.78	2.19	2.19	-0.25
3,344.00	13.32	308.29	3,295.37	236.66	-424.47	485.88	1.02	-0.19	4.35
3,376.00	13.95	305.78	3,326.47	241.19	-430.49	493.37	2.70	1.97	-7.84
3,408.00	13.71	304.77	3,357.54	245.61	-436.73	500.99	1.06	-0.75	-3.16
3,439.00	13.30	302.88	3,387.68	249.64	-442.74	508.22	1.94	-1.32	-6.10
3,471.00	13.06	301.89	3,418.84	253.55	-448.91	515.51	1.03	-0.75	-3.09
3,503.00	13.42	302.19	3,449.99	257.44	-455.12	522.83	1.15	1.12	0.94
3,535.00	13.69	301.12	3,481.10	261.38	-461.50	530.33	1.15	0.84	-3.34
3,566.00	13.70	299.78	3,511.22	265.09	-467.83	537.67	1.02	0.03	-4.32
3,598.00	13.21	298.07	3,542.34	268.70	-474.34	545.11	1.97	-1.53	-5.34
3,630.00	12.97	297.50	3,573.51	272.08	-480.76	552.35	0.85	-0.75	-1.78
3,661.00	13.08	297.38	3,603.71	275.30	-486.96	559.33	0.37	0.35	-0.39
3,693.00	13.16	299.01	3,634.87	278.73	-493.36	566.59	1.18	0.25	5.09
3,725.00	13.23	298.89	3,666.03	282.26	-499.75	573.89	0.23	0.22	-0.37
3,756.00	13.57	299.61	3,696.19	285.77	-506.02	581.07	1.22	1.10	2.32
3,788.00	13.83	299.53	3,727.27	289.51	-512.61	588.65	0.81	0.81	-0.25
3,820.00	13.75	300.54	3,758.35	293.33	-519.21	596.28	0.79	-0.25	3.16
3,852.00	13.66	300.83	3,789.44	297.20	-525.73	603.86	0.35	-0.28	0.91
3,883.00	13.38	301.28	3,819.58	300.94	-531.94	611.11	0.96	-0.90	1.45
3,915.00	12.75	302.14	3,850.75	304.74	-538.10	618.34	2.06	-1.97	2.69
3,947.00	12.89	302.86	3,881.96	308.55	-544.08	625.43	0.66	0.44	2.25
3,979.00	13.52	303.76	3,913.11	312.57	-550.19	632.73	2.07	1.97	2.81
4,010.00	13.65	305.30	3,943.24	316.70	-556.19	639.99	1.24	0.42	4.97
4,042.00	13.26	305.61	3,974.36	321.02	-562.25	647.41	1.24	-1.22	0.97
4,074.00	12.74	304.45	4,005.54	325.15	-568.15	654.58	1.82	-1.62	-3.62
4,105.00	13.00	305.35	4,035.77	329.10	-573.81	661.47	1.06	0.84	2.90



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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)	
4,137.00	13.12	304.50	4,066.94	333.24	-579.74	668.67	0.71	0.37	-2.66	
4,169.00	13.32	303.62	4,098.09	337.34	-585.80	675.98	0.89	0.62	-2.75	
4,201.00	13.78	303.63	4,129.20	341.49	-592.05	683.46	1.44	1.44	0.03	
4,232.00	13.92	302.81	4,159.30	345.55	-598.25	690.87	0.78	0.45	-2.65	
4,264.00	14.04	303.27	4,190.35	349.77	-604.73	698.59	0.51	0.37	1.44	
4,296.00	13.69	301.70	4,221.42	353.89	-611.20	706.25	1.61	-1.09	-4.91	
4,327.00	13.81	301.82	4,251.53	357.77	-617.47	713.62	0.40	0.39	0.39	
4,359.00	13.51	300.45	4,282.62	361.68	-623.93	721.18	1.38	-0.94	-4.28	
4,391.00	13.56	300.23	4,313.73	365.46	-630.40	728.67	0.22	0.16	-0.69	
4,423.00	13.30	299.78	4,344.86	369.18	-636.83	736.10	0.88	-0.81	-1.41	
4,454.00	13.12	298.57	4,375.04	372.63	-643.02	743.18	1.06	-0.58	-3.90	
4,486.00	12.82	297.77	4,406.22	376.02	-649.35	750.36	1.09	-0.94	-2.50	
4,518.00	12.71	297.62	4,437.43	379.31	-655.61	757.42	0.36	-0.34	-0.47	
4,549.00	12.42	295.83	4,467.69	382.34	-661.63	764.15	1.57	-0.94	-5.77	
4,581.00	12.56	295.11	4,498.93	385.32	-667.88	771.05	0.65	0.44	-2.25	
4,613.00	12.89	296.61	4,530.15	388.39	-674.22	778.07	1.46	1.03	4.69	
4,644.00	12.99	296.80	4,560.36	391.51	-680.42	785.00	0.35	0.32	0.61	
4,676.00	12.67	296.84	4,591.56	394.72	-686.76	792.09	1.00	-1.00	0.12	
4,708.00	12.33	297.32	4,622.80	397.87	-692.93	799.01	1.11	-1.06	1.50	
4,740.00	12.19	296.52	4,654.07	400.95	-698.99	805.79	0.69	-0.44	-2.50	
4,771.00	12.64	296.79	4,684.35	403.94	-704.95	812.44	1.46	1.45	0.87	
4,803.00	12.51	296.92	4,715.58	407.08	-711.16	819.40	0.42	-0.41	0.41	
4,835.00	12.76	297.61	4,746.80	410.29	-717.38	826.39	0.91	0.78	2.16	
4,866.00	12.60	297.79	4,777.05	413.45	-723.41	833.19	0.53	-0.52	0.58	
4,898.00	12.48	297.81	4,808.29	416.69	-729.55	840.13	0.38	-0.37	0.06	
4,930.00	11.86	297.65	4,839.57	419.83	-735.52	846.87	1.94	-1.94	-0.50	
4,962.00	11.83	296.82	4,870.88	422.84	-741.36	853.42	0.54	-0.09	-2.59	
4,993.00	11.67	296.22	4,901.23	425.66	-747.01	859.72	0.65	-0.52	-1.94	
5,025.00	11.49	296.86	4,932.58	428.53	-752.76	866.13	0.69	-0.56	2.00	
5,057.00	11.10	297.57	4,963.96	431.39	-758.33	872.39	1.29	-1.22	2.22	
5,088.00	10.47	298.87	4,994.42	434.13	-763.45	878.19	2.18	-2.03	4.19	
5,120.00	9.80	299.54	5,025.92	436.88	-768.36	883.82	2.13	-2.09	2.09	
5,152.00	9.66	301.83	5,057.46	439.64	-773.01	889.23	1.29	-0.44	7.16	
5,184.00	9.45	301.55	5,089.01	442.43	-777.53	894.54	0.67	-0.66	-0.87	
5,215.00	9.39	301.91	5,119.59	445.10	-781.85	899.61	0.27	-0.19	1.16	
5,247.00	9.39	300.48	5,151.17	447.80	-786.31	904.83	0.73	0.00	-4.47	
5,279.00	9.55	300.42	5,182.73	450.47	-790.85	910.09	0.50	0.50	-0.19	
5,311.00	9.72	301.20	5,214.28	453.21	-795.45	915.45	0.67	0.53	2.44	
5,342.00	9.87	303.08	5,244.83	456.02	-799.92	920.72	1.14	0.48	6.06	
5,373.00	9.96	304.88	5,275.36	459.00	-804.34	926.04	1.04	0.29	5.81	
5,396.06	9.89	305.01	5,298.08	461.28	-807.60	930.01	0.33	-0.31	0.56	
GB II Q-27-8-17 Target										
5,405.00	9.86	305.06	5,306.89	462.16	-808.85	931.53	0.33	-0.31	0.57	
5,437.00	9.84	304.92	5,338.41	465.30	-813.34	936.99	0.10	-0.06	-0.44	
5,468.00	9.76	306.59	5,368.96	468.38	-817.62	942.24	0.95	-0.26	5.39	
5,500.00	9.91	308.57	5,400.49	471.71	-821.95	947.66	1.16	0.47	6.19	
5,532.00	10.42	311.26	5,431.99	475.34	-826.28	953.23	2.18	1.59	8.41	
5,564.00	11.32	312.07	5,463.42	479.35	-830.79	959.14	2.85	2.81	2.53	
5,595.00	11.99	311.99	5,493.78	483.55	-835.44	965.28	2.16	2.16	-0.26	
5,627.00	11.71	311.03	5,525.09	487.90	-840.36	971.72	1.07	-0.87	-3.00	
5,659.00	11.65	309.43	5,556.43	492.08	-845.30	978.10	1.03	-0.19	-5.00	
5,692.00	11.52	307.96	5,588.76	496.23	-850.48	984.66	0.98	-0.39	-4.45	
5,722.00	11.02	306.66	5,618.18	499.78	-855.14	990.48	1.87	-1.67	-4.33	
5,754.00	10.54	302.32	5,649.62	503.17	-860.06	996.44	2.95	-1.50	-13.56	
5,786.00	10.52	299.67	5,681.08	506.18	-865.08	1,002.29	1.51	-0.06	-8.28	



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary II
Well: Greater Boundary II Q-27-8-17
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Greater Boundary II Q-27-8-17
TVD Reference: GL 5066' & RKB 12' @ 5078.00ft
MD Reference: GL 5066' & RKB 12' @ 5078.00ft
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)
5,817.00	10.51	298.82	5,711.56	508.95	-870.01	1,007.94	0.50	-0.03	-2.74
5,849.00	10.51	298.81	5,743.02	511.76	-875.13	1,013.78	0.01	0.00	-0.03
5,880.00	10.54	299.47	5,773.50	514.52	-880.07	1,019.44	0.40	0.10	2.13
5,912.00	11.19	300.03	5,804.92	517.51	-885.31	1,025.47	2.06	2.03	1.75
5,944.00	11.45	299.64	5,836.30	520.64	-890.76	1,031.75	0.85	0.81	-1.22
5,975.00	11.12	298.75	5,866.70	523.60	-896.05	1,037.82	1.20	-1.06	-2.87
6,007.00	11.15	298.58	5,898.10	526.56	-901.48	1,043.99	0.14	0.09	-0.53
6,039.00	11.14	299.26	5,929.50	529.55	-906.89	1,050.18	0.41	-0.03	2.12
6,070.00	10.75	298.54	5,959.93	532.40	-912.04	1,056.06	1.33	-1.26	-2.32
6,101.00	10.56	299.24	5,990.40	535.17	-917.06	1,061.79	0.74	-0.61	2.26
6,133.00	10.24	299.12	6,021.87	537.98	-922.10	1,067.57	1.00	-1.00	-0.37
6,165.00	10.34	300.01	6,053.36	540.80	-927.08	1,073.28	0.59	0.31	2.78
6,197.00	10.03	298.27	6,084.85	543.56	-932.02	1,078.94	1.36	-0.97	-5.44
6,228.00	9.79	298.76	6,115.39	546.11	-936.70	1,084.27	0.82	-0.77	1.58
6,260.00	9.63	297.21	6,146.93	548.64	-941.47	1,089.66	0.96	-0.50	-4.84
6,292.00	9.56	297.17	6,178.49	551.08	-946.21	1,094.99	0.22	-0.22	-0.12
6,323.00	9.39	296.77	6,209.06	553.39	-950.76	1,100.08	0.59	-0.55	-1.29
6,348.00	9.39	296.84	6,233.73	555.23	-954.40	1,104.16	0.05	0.00	0.28
6,400.00	9.39	296.84	6,285.03	559.06	-961.97	1,112.62	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 II Q-27-8-17 Target	0.00	0.00	5,300.00	463.27	-792.80	7,203,338.43	2,060,715.49	40° 5' 7.078 N	109° 59' 51.871 W
- actual wellpath misses target center by 15.06ft at 5396.07ft MD (5298.09 TVD, 461.28 N, -807.60 E)									
- Circle (radius 75.00)									
GB II Q-27-8-17 PBHI	0.00	0.00	6,325.00	463.27	-792.80	7,203,338.43	2,060,715.49	40° 5' 7.078 N	109° 59' 51.871 W
- actual wellpath misses target center by 198.48ft at 6400.00ft MD (6285.03 TVD, 559.06 N, -961.97 E)									
- Circle (radius 75.00)									

Checked By: _____ Approved By: _____ Date: _____