

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76956
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary II Federal S-29-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34069
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 1966' FSL 664' FEL At proposed prod. zone 1310' FSL 1315' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 11.2 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 29, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1310' f/lse, 1310' f/unit	16. No. of Acres in lease 600.00	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. 1325'	19. Proposed Depth 6350'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5185' 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 8/22/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-10-08
Title Officer	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)

surf
Federal Approval of this
Action is Necessary

BHL
583333X
44374754
40.085343
-110.024872

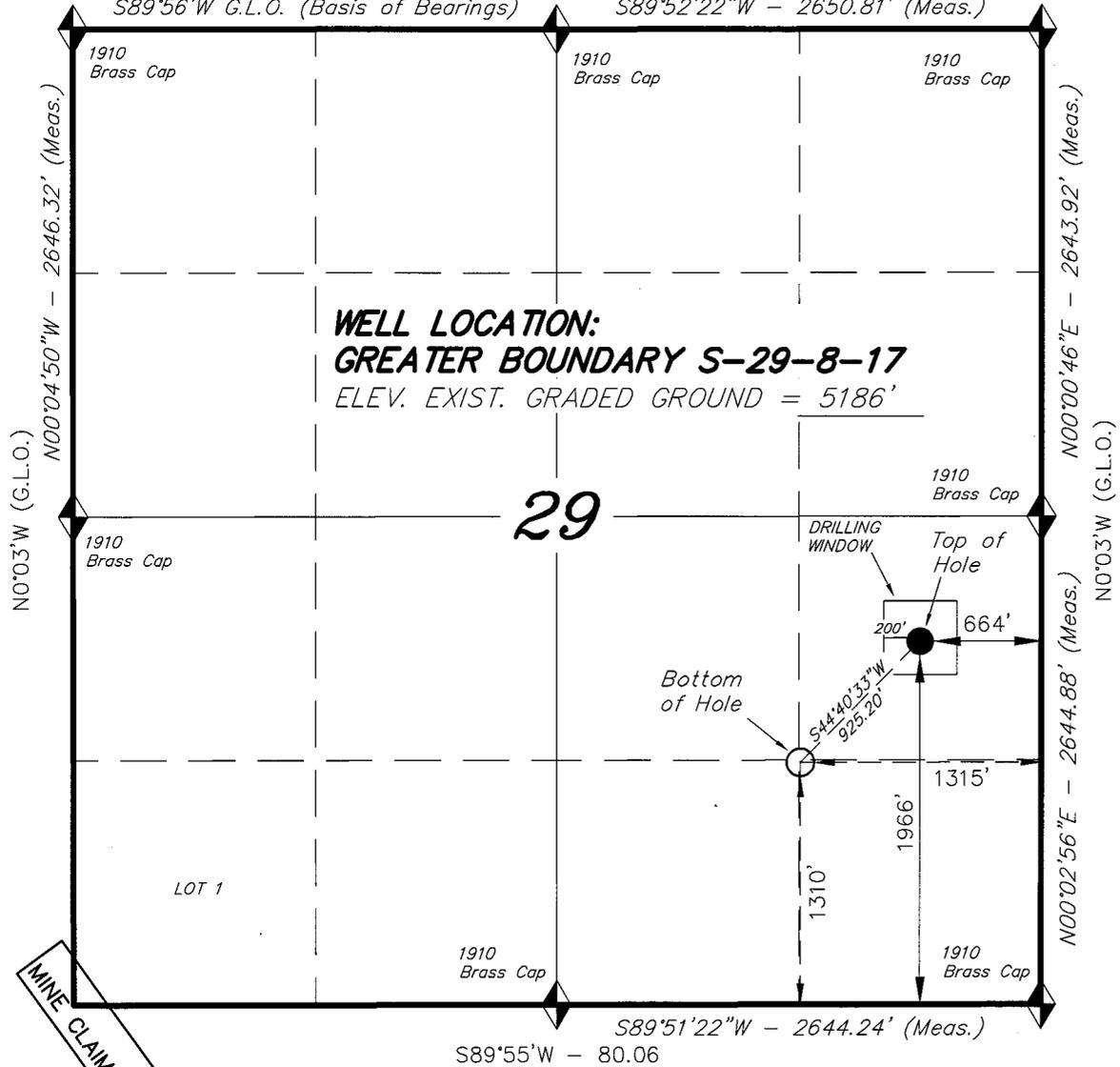
RECEIVED
AUG 28 2008
DIV. OF OIL, GAS & MINING

583333X
44376784
40.087151
-110.022537

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

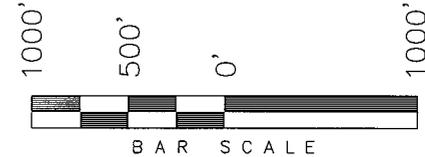
NEWFIELD PRODUCTION COMPANY

2650.74' (Measured) S89°56'W - 80.08
 S89°56'W G.L.O. (Basis of Bearings) S89°52'22"W - 2650.81' (Meas.)

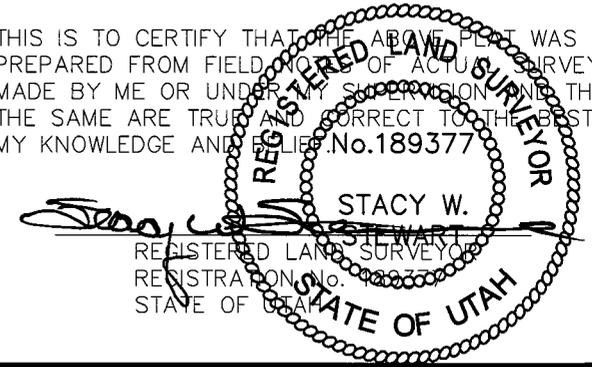


WELL LOCATION:
GREATER BOUNDARY S-29-8-17
 ELEV. EXIST. GRADED GROUND = 5186'

WELL LOCATION, GREATER BOUNDARY S-29-8-17, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 29, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 05-19-08	SURVEYED BY: C.M.
DATE DRAWN: 05-26-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY S-29-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 05' 13.46"
 LONGITUDE = 110° 01' 23.88"

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL S-29-8-17
AT SURFACE: NE/SE SECTION 29, 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' – 1628'
Green River	1628'
Wasatch	6350'

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

Green River Formation 1628' – 6350' - 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 S-29-8-17
AT SURFACE: NE/SE SECTION 29, 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 S-29-8-17 located in the NE 1/4 SE 1/4 Section 29, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 8.2 miles \pm to its junction with an existing dirt road to the east; proceed easterly - 1.4 miles \pm to its junction with an existing road to the north; proceed northerly - 0.2 miles \pm to its junction with the beginning of the access road to the existing Sand Wash 9-29-8-17 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 Sand Wash 9-29-8-17 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 Sand Wash 9-29-8-17 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 S-29-8-17. 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 S-29-8-17 will be drilled off of the existing Sand Wash 9-29-8-17 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**

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

Ferruginous Hawk: Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between March 1 and July 31. If the nest remains inactive on May 30th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Cactus Survey: A cactus survey will be required prior to construction of the proposed wellpad.

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 S-29-8-17 was on-sited on 7/16/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

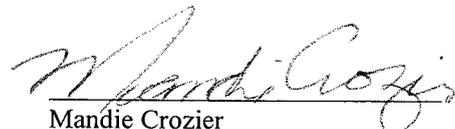
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-29-8-17 NE/SE Section 29, Township 8S, Range 17E: Lease UTU-76956 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.

8/22/08

Date

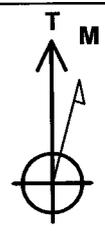

Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary S-29-8-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

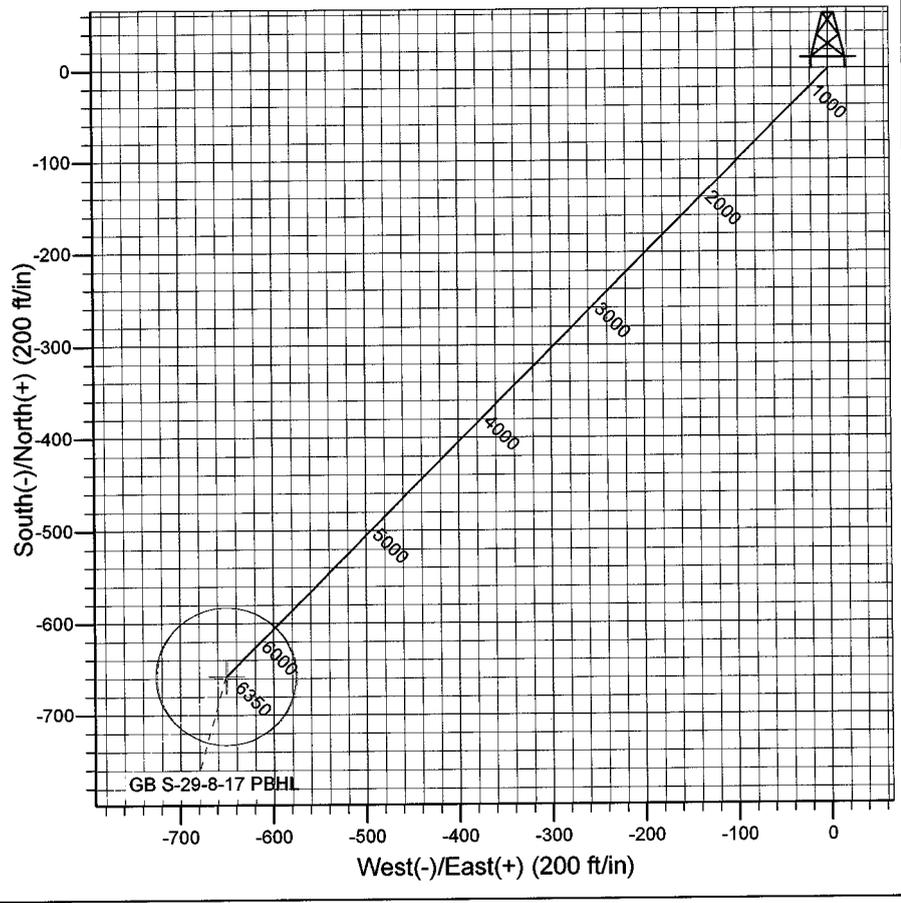
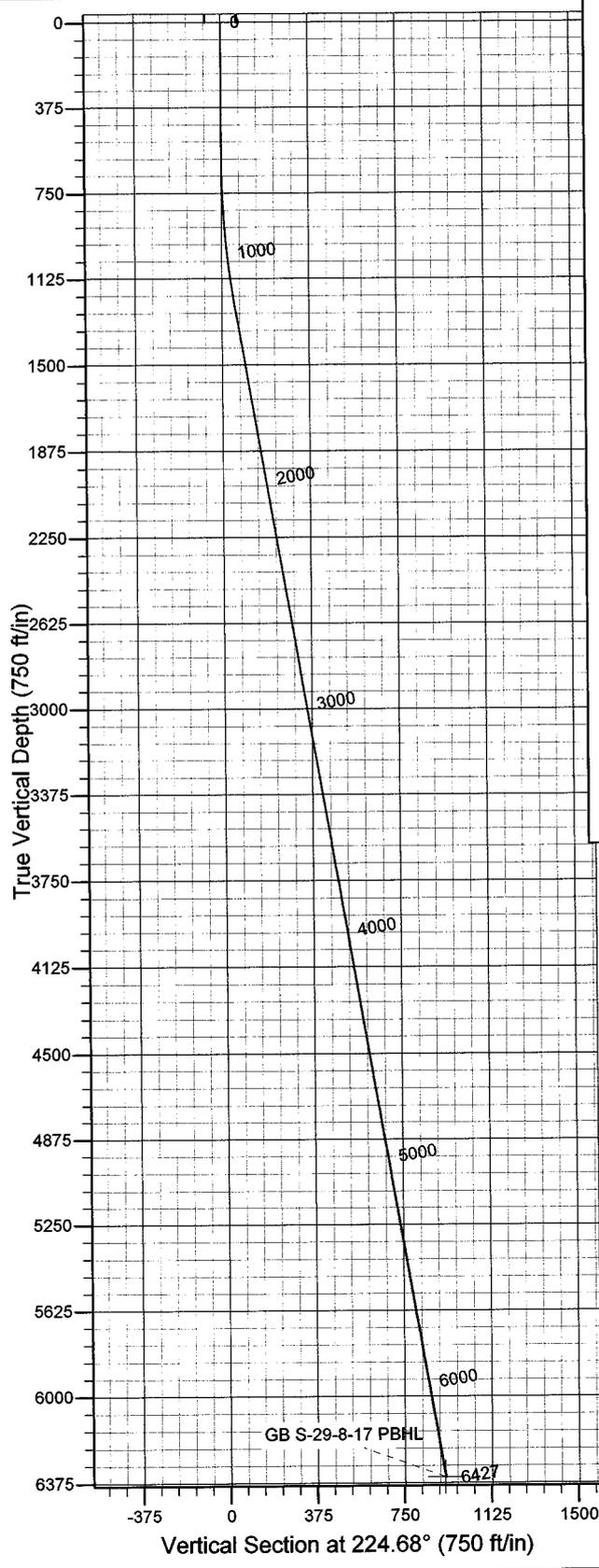


Azimuths to True North
Magnetic North: 11.66°

Magnetic Field
Strength: 52615.5snT
Dip Angle: 65.92°
Date: 2008-07-14
Model: IGRF2005-10

WELL DETAILS: Greater Boundary S-29-8-17

GL 5186' & RKB 12' @ 5198.00ft 5186.00
+N/-S 0.00 +E/-W 0.00 Northing 7203864.98 Easting 2053554.94 Latitude 40° 5' 13.460 N Longitude 110° 1' 23.880 W



Plan: Plan #1 (Greater Boundary S-29-8-17/OH)

Created By: Julie Cruse Date: 2008-07-14

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	
1245.02	9.68	224.68	1241.96	-38.63	-38.20	1.50	224.68	54.33	
6426.77	9.68	224.68	6350.00	-657.86	-650.55	0.00	0.00	925.20	GB S-29-8-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary

Greater Boundary S-29-8-17

OH

Plan: Plan #1

Standard Planning Report

14 July, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary S-29-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary S-29-8-17
TVD Reference: GL 5186' & RKB 12' @ 5198.00ft
MD Reference: GL 5186' & RKB 12' @ 5198.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

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

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

Well	Greater Boundary S-29-8-17, 1966' FSL 664' FEL Sec 29 T8S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,203,864.98 ft	Latitude:	40° 5' 13.460 N
	+E/-W	0.00 ft	Easting:	2,053,554.94 ft	Longitude:	110° 1' 23.880 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,186.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-07-14	11.67	65.92	52,616

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	224.68	

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	
1,245.02	9.68	224.68	1,241.96	-38.63	-38.20	1.50	1.50	0.00	224.68	
6,426.77	9.68	224.68	6,350.00	-657.86	-650.55	0.00	0.00	0.00	0.00	0.00 GB S-29-8-17 PBHL

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary S-29-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary S-29-8-17
TVD Reference: GL 5186' & RKB 12' @ 5198.00ft
MD Reference: GL 5186' & RKB 12' @ 5198.00ft
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	224.68	699.99	-0.93	-0.92	1.31	1.50	1.50	0.00
800.00	3.00	224.68	799.91	-3.72	-3.68	5.23	1.50	1.50	0.00
900.00	4.50	224.68	899.69	-8.37	-8.28	11.77	1.50	1.50	0.00
1,000.00	6.00	224.68	999.27	-14.88	-14.71	20.92	1.50	1.50	0.00
1,100.00	7.50	224.68	1,098.57	-23.24	-22.98	32.68	1.50	1.50	0.00
1,200.00	9.00	224.68	1,197.54	-33.44	-33.07	47.03	1.50	1.50	0.00
1,245.02	9.68	224.68	1,241.96	-38.63	-38.20	54.33	1.50	1.50	0.00
1,300.00	9.68	224.68	1,296.16	-45.20	-44.70	63.57	0.00	0.00	0.00
1,400.00	9.68	224.68	1,394.73	-57.15	-56.52	80.38	0.00	0.00	0.00
1,500.00	9.68	224.68	1,493.31	-69.10	-68.34	97.18	0.00	0.00	0.00
1,600.00	9.68	224.68	1,591.89	-81.05	-80.15	113.99	0.00	0.00	0.00
1,700.00	9.68	224.68	1,690.47	-93.00	-91.97	130.80	0.00	0.00	0.00
1,800.00	9.68	224.68	1,789.04	-104.95	-103.79	147.60	0.00	0.00	0.00
1,900.00	9.68	224.68	1,887.62	-116.90	-115.60	164.41	0.00	0.00	0.00
2,000.00	9.68	224.68	1,986.20	-128.85	-127.42	181.22	0.00	0.00	0.00
2,100.00	9.68	224.68	2,084.78	-140.80	-139.24	198.02	0.00	0.00	0.00
2,200.00	9.68	224.68	2,183.36	-152.75	-151.06	214.83	0.00	0.00	0.00
2,300.00	9.68	224.68	2,281.93	-164.70	-162.87	231.64	0.00	0.00	0.00
2,400.00	9.68	224.68	2,380.51	-176.65	-174.69	248.44	0.00	0.00	0.00
2,500.00	9.68	224.68	2,479.09	-188.60	-186.51	265.25	0.00	0.00	0.00
2,600.00	9.68	224.68	2,577.67	-200.55	-198.33	282.06	0.00	0.00	0.00
2,700.00	9.68	224.68	2,676.24	-212.50	-210.14	298.86	0.00	0.00	0.00
2,800.00	9.68	224.68	2,774.82	-224.45	-221.96	315.67	0.00	0.00	0.00
2,900.00	9.68	224.68	2,873.40	-236.40	-233.78	332.48	0.00	0.00	0.00
3,000.00	9.68	224.68	2,971.98	-248.36	-245.60	349.28	0.00	0.00	0.00
3,100.00	9.68	224.68	3,070.55	-260.31	-257.41	366.09	0.00	0.00	0.00
3,200.00	9.68	224.68	3,169.13	-272.26	-269.23	382.89	0.00	0.00	0.00
3,300.00	9.68	224.68	3,267.71	-284.21	-281.05	399.70	0.00	0.00	0.00
3,400.00	9.68	224.68	3,366.29	-296.16	-292.87	416.51	0.00	0.00	0.00
3,500.00	9.68	224.68	3,464.86	-308.11	-304.68	433.31	0.00	0.00	0.00
3,600.00	9.68	224.68	3,563.44	-320.06	-316.50	450.12	0.00	0.00	0.00
3,700.00	9.68	224.68	3,662.02	-332.01	-328.32	466.93	0.00	0.00	0.00
3,800.00	9.68	224.68	3,760.60	-343.96	-340.14	483.73	0.00	0.00	0.00
3,900.00	9.68	224.68	3,859.17	-355.91	-351.95	500.54	0.00	0.00	0.00
4,000.00	9.68	224.68	3,957.75	-367.86	-363.77	517.35	0.00	0.00	0.00
4,100.00	9.68	224.68	4,056.33	-379.81	-375.59	534.15	0.00	0.00	0.00
4,200.00	9.68	224.68	4,154.91	-391.76	-387.41	550.96	0.00	0.00	0.00
4,300.00	9.68	224.68	4,253.48	-403.71	-399.22	567.77	0.00	0.00	0.00
4,400.00	9.68	224.68	4,352.06	-415.66	-411.04	584.57	0.00	0.00	0.00
4,500.00	9.68	224.68	4,450.64	-427.61	-422.86	601.38	0.00	0.00	0.00
4,600.00	9.68	224.68	4,549.22	-439.56	-434.67	618.19	0.00	0.00	0.00
4,700.00	9.68	224.68	4,647.80	-451.51	-446.49	634.99	0.00	0.00	0.00
4,800.00	9.68	224.68	4,746.37	-463.46	-458.31	651.80	0.00	0.00	0.00
4,900.00	9.68	224.68	4,844.95	-475.41	-470.13	668.60	0.00	0.00	0.00
5,000.00	9.68	224.68	4,943.53	-487.36	-481.94	685.41	0.00	0.00	0.00
5,100.00	9.68	224.68	5,042.11	-499.31	-493.76	702.22	0.00	0.00	0.00
5,200.00	9.68	224.68	5,140.68	-511.26	-505.58	719.02	0.00	0.00	0.00

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Greater Boundary
Well: Greater Boundary S-29-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary S-29-8-17
TVD Reference: GL 5186' & RKB 12' @ 5198.00ft
MD Reference: GL 5186' & RKB 12' @ 5198.00ft
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	9.68	224.68	5,239.26	-523.21	-517.40	735.83	0.00	0.00	0.00
5,400.00	9.68	224.68	5,337.84	-535.16	-529.21	752.64	0.00	0.00	0.00
5,500.00	9.68	224.68	5,436.42	-547.11	-541.03	769.44	0.00	0.00	0.00
5,600.00	9.68	224.68	5,534.99	-559.06	-552.85	786.25	0.00	0.00	0.00
5,700.00	9.68	224.68	5,633.57	-571.01	-564.67	803.06	0.00	0.00	0.00
5,800.00	9.68	224.68	5,732.15	-582.96	-576.48	819.86	0.00	0.00	0.00
5,900.00	9.68	224.68	5,830.73	-594.91	-588.30	836.67	0.00	0.00	0.00
6,000.00	9.68	224.68	5,929.30	-606.86	-600.12	853.48	0.00	0.00	0.00
6,100.00	9.68	224.68	6,027.88	-618.81	-611.94	870.28	0.00	0.00	0.00
6,200.00	9.68	224.68	6,126.46	-630.76	-623.75	887.09	0.00	0.00	0.00
6,300.00	9.68	224.68	6,225.04	-642.71	-635.57	903.90	0.00	0.00	0.00
6,400.00	9.68	224.68	6,323.61	-654.66	-647.39	920.70	0.00	0.00	0.00
6,426.77	9.68	224.68	6,350.00	-657.86	-650.55	925.20	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 S-29-8-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,350.00	-657.86	-650.55	7,203,196.47	2,052,915.34	40° 5' 6.958 N	110° 1' 32.251 W

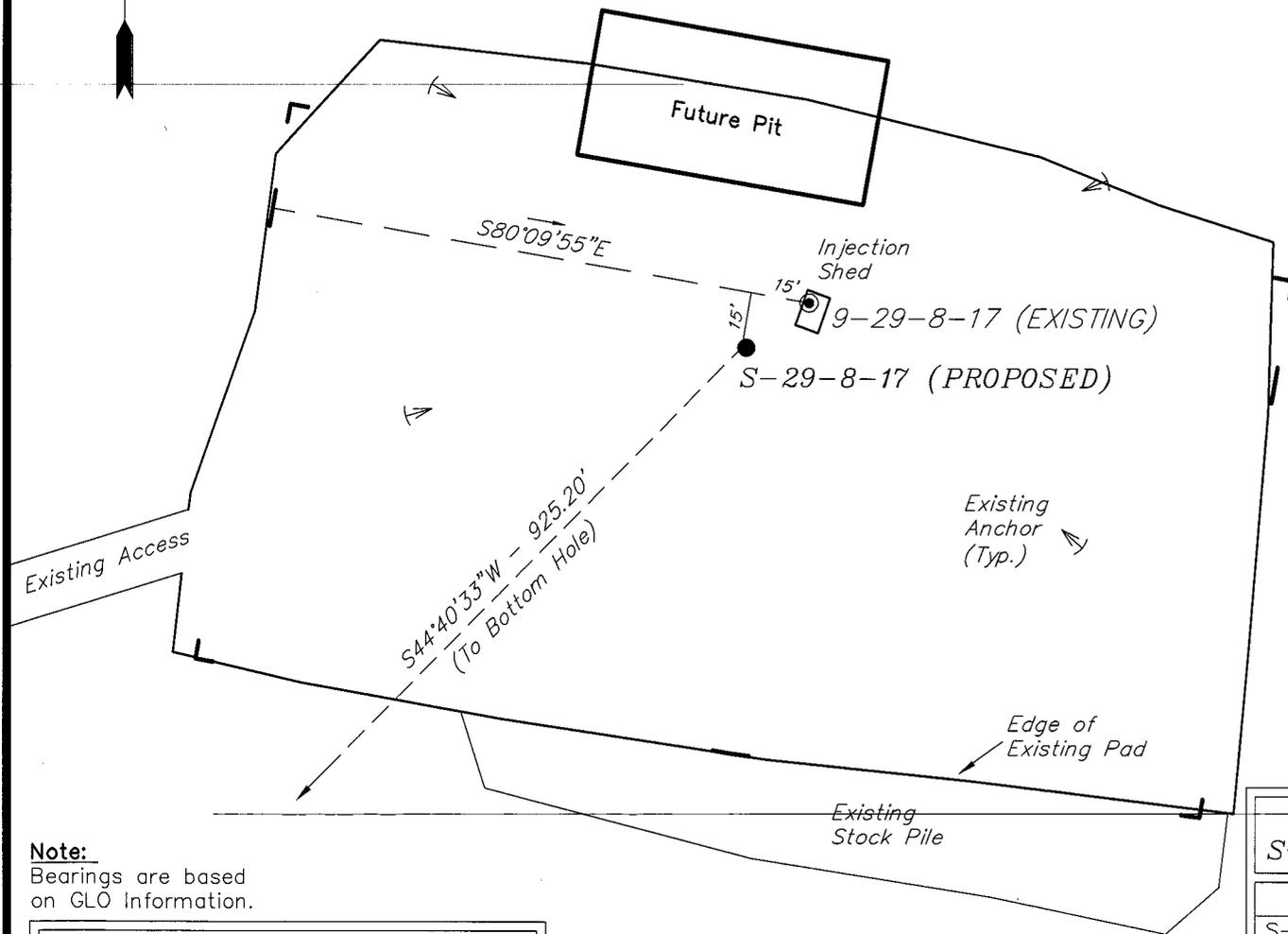
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY S-29-8-17 (Proposed Well)

GREATER BOUNDARY 9-29-8-17 (Existing Well)

Pad Location: NESE Section 29, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

S-29-8-17 (PROPOSED)
1966' FSL & 664' FEL

BOTTOM HOLE FOOTAGES

S-29-8-17 (PROPOSED)
1310' FSL & 1315' FEL

Note:
Bearings are based
on GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
S-29-8-17	-658'	-651'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
S-29-8-17	40° 05' 13.46"	110° 01' 23.88"
9-29-8-17	40° 05' 13.58"	110° 01' 23.65"

SURVEYED BY: C.M. DATE SURVEYED: 05-19-08
 DRAWN BY: F.T.M. DATE DRAWN: 05-26-08
 SCALE: 1" = 50' REVISED:

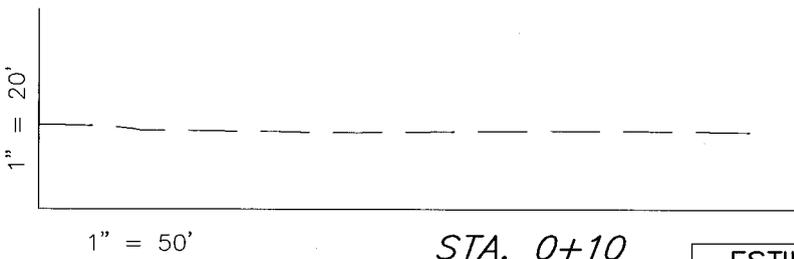
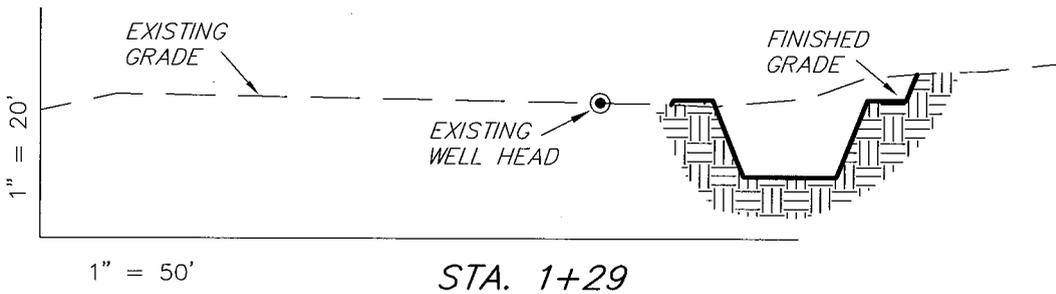
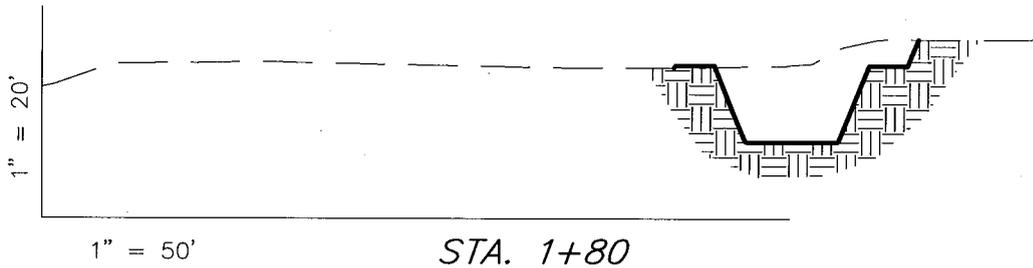
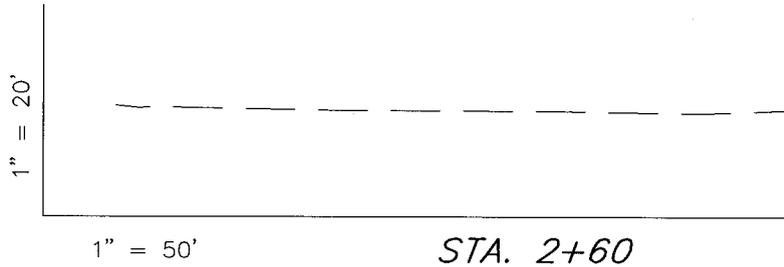
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY S-29-8-17 (Proposed Well)

GREATER BOUNDARY 9-29-8-17 (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	230	20	Topsoil is not included in Pad Cut	210
PIT	640	0		640
TOTALS	870	20	130	850

SURVEYED BY: C.M.	DATE SURVEYED: 05-19-08	
DRAWN BY: F.T.M.	DATE DRAWN: 05-26-08	
SCALE: 1" = 50'	REVISED:	

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

(435) 781-2501

Newfield Production Company Proposed Site Facility Diagram

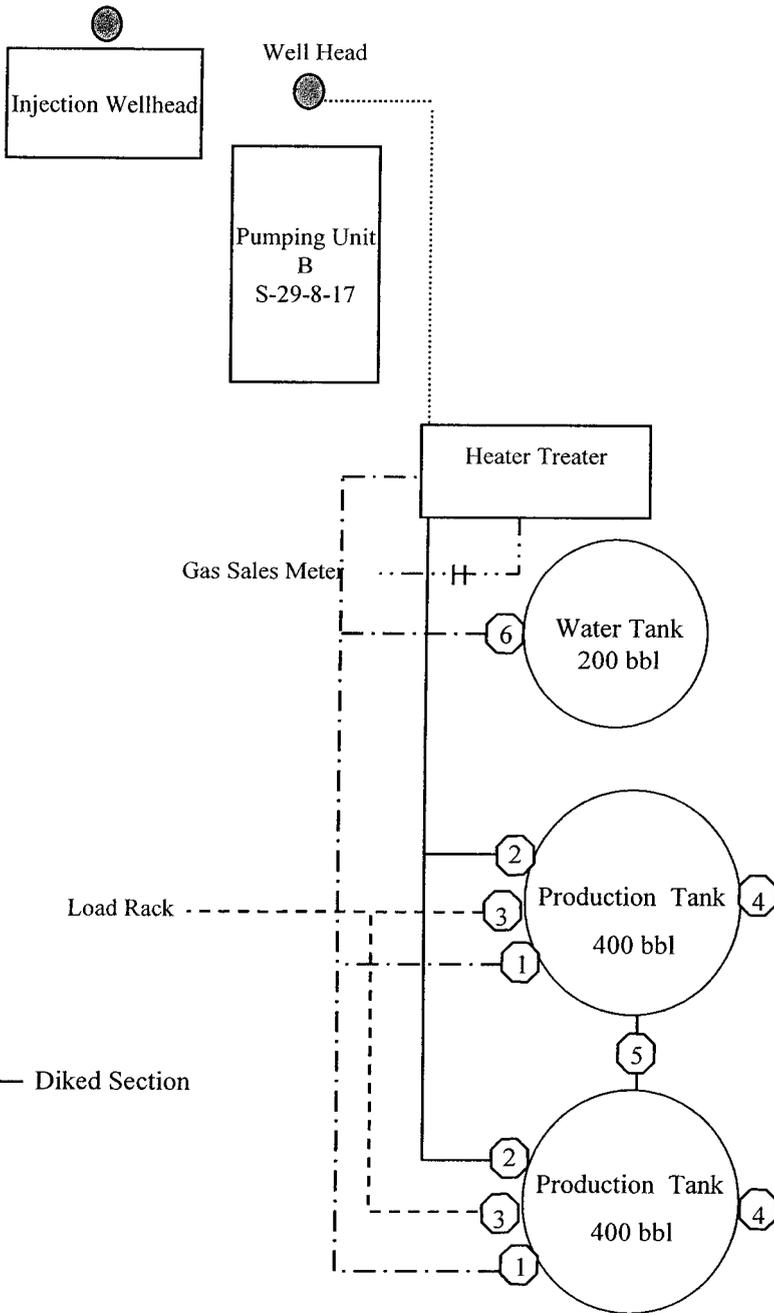
Greater Boundary II Federal S-29-8-17

From the 9-29-8-17 Location

NE/SE Sec. 29 T8S, R17E

Duchesne County, Utah

UTU-76956

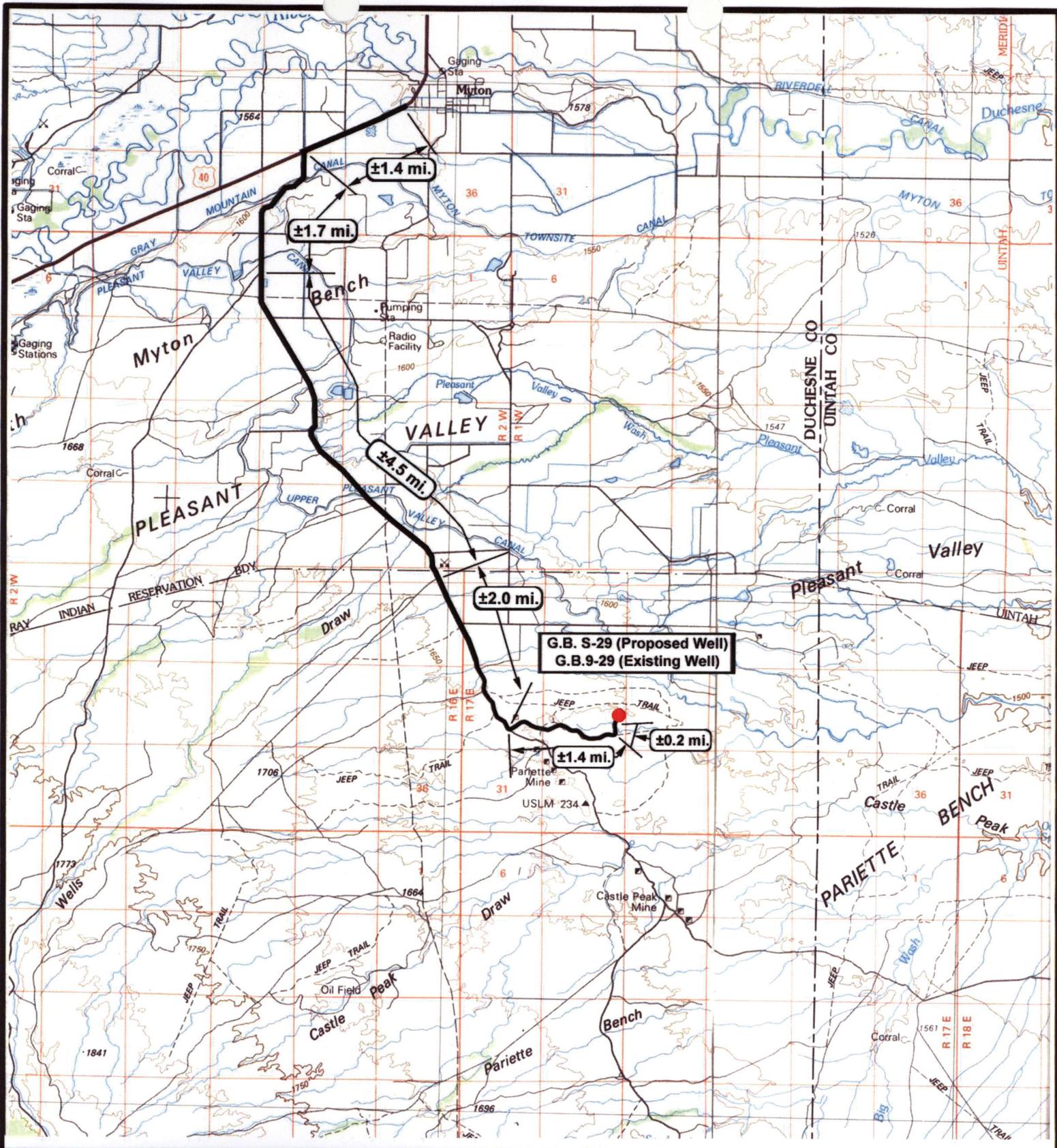


Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

- Production Phase:**
- 1) Valves 1, 3, and 4 sealed closed
 - 2) Valves 2, 5, and 6 sealed open
- Sales Phase:**
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
 - 2) Valve 3 open
- Draining Phase:**
- 1) Valves 1 and 6 open

Legend

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





NEWFIELD
 Exploration Company

Greater Boundary S-29-8-17(Proposed Well)
Greater Boundary 9-29-8-17(Existing Well)
 Pad Location NESE SEC. 29, 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: JAS
 DATE: 06-17-2008

Legend

 Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Greater Boundary S-29-8-17(Proposed Well)
Greater Boundary 9-29-8-17(Existing Well)
Pad Location NESE SEC. 29, T8S, R17E, S.L.B.&M.

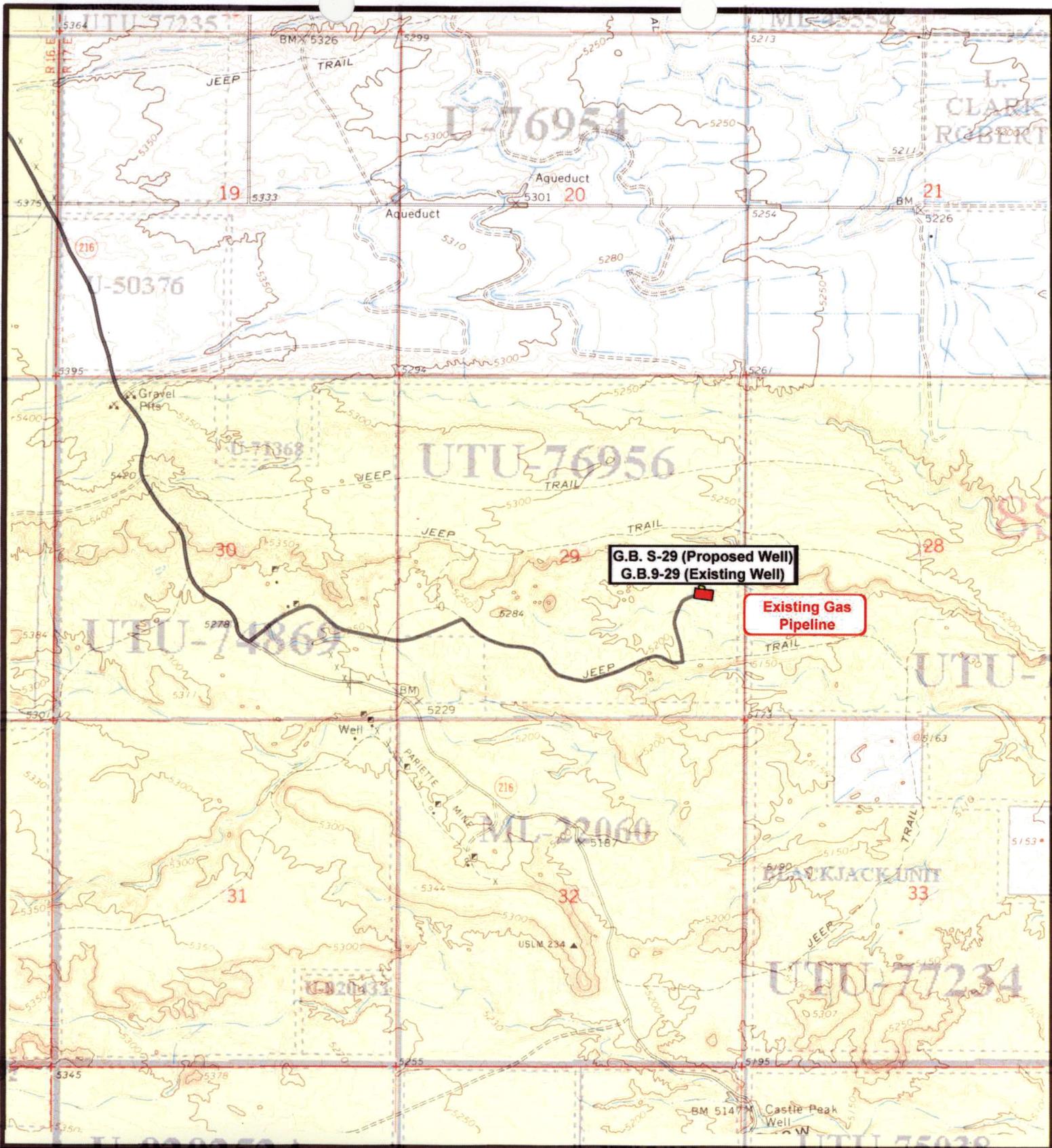


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-17-2008

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"



G.B. S-29 (Proposed Well)
G.B. 9-29 (Existing Well)

Existing Gas Pipeline

NEWFIELD
Exploration Company

Greater Boundary S-29-8-17(Proposed Well)
Greater Boundary 9-29-8-17(Existing Well)
Pad Location NESE SEC. 29, T8S, R17E, S.L.B.&M.



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

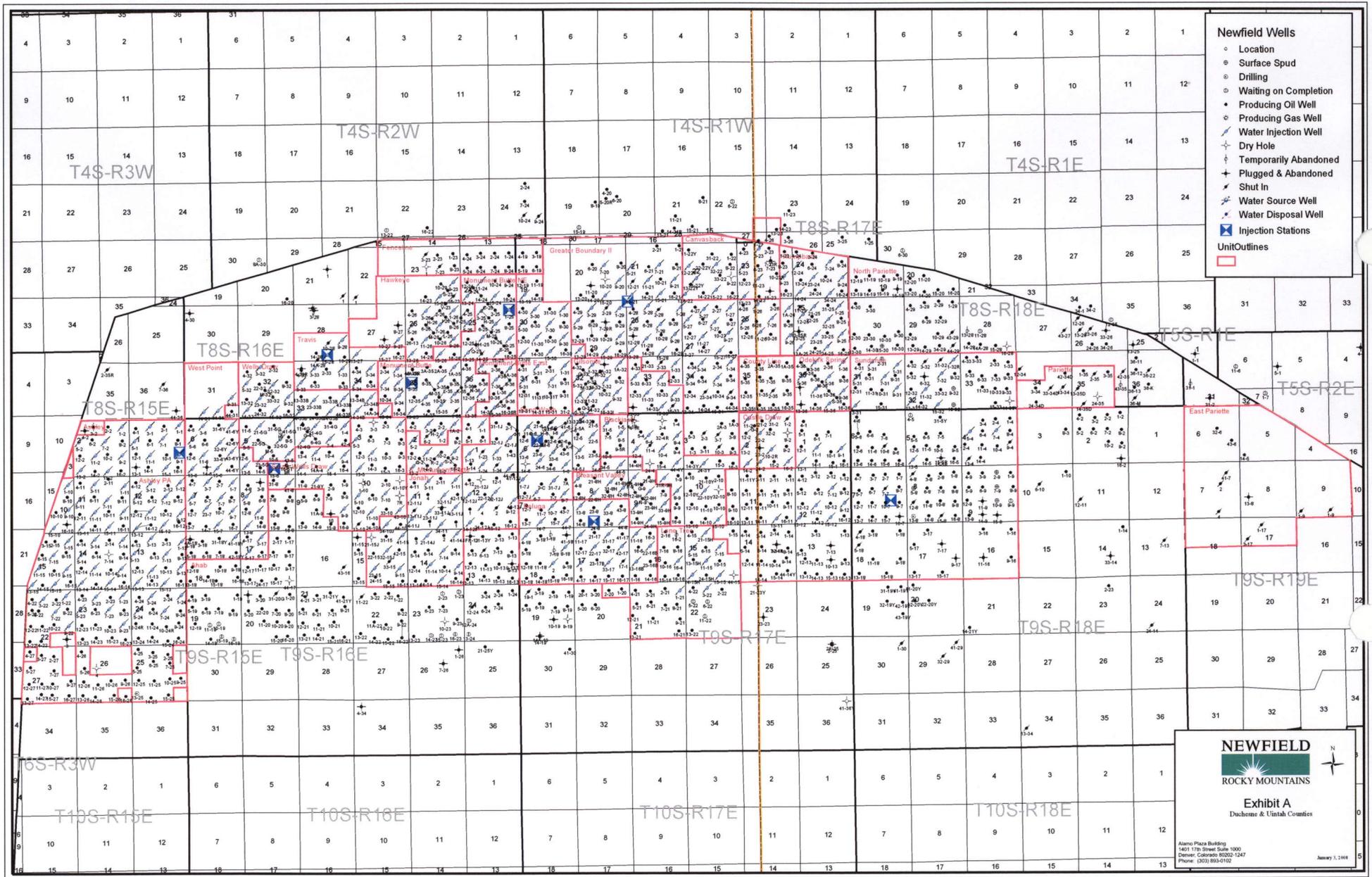
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-17-2008

Legend

— Roads

TOPOGRAPHIC MAP

"C"



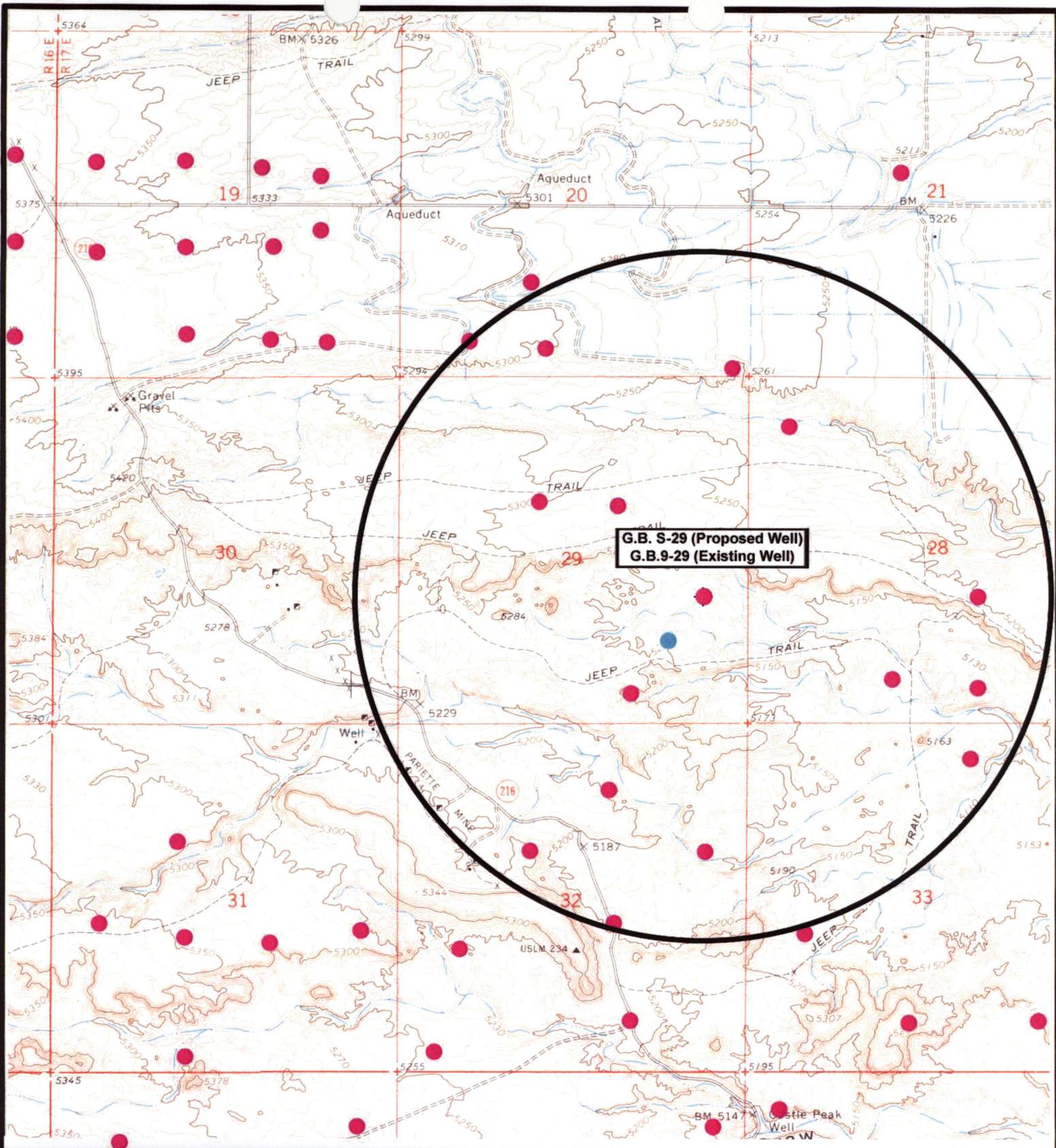
- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
 - Water Source Well
 - Water Disposal Well
 - Injection Stations
- Unit Outlines**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

NEWFIELD
 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uintah Counties

Alamo Plaza Building
 1401 17th Street Suite 1000
 Denver, Colorado 80202-1247
 Phone: (303) 854-5102

January 7, 2008



NEWFIELD
Exploration Company

Greater Boundary S-29-8-17(Proposed Well)
Greater Boundary 9-29-8-17(Existing Well)
Pad Location NESE SEC. 29, 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: JAS
DATE: 06-17-2008

Legend

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

Exhibit "B"

2-M SYSTEM
Blowout Prevention Equipment Systems

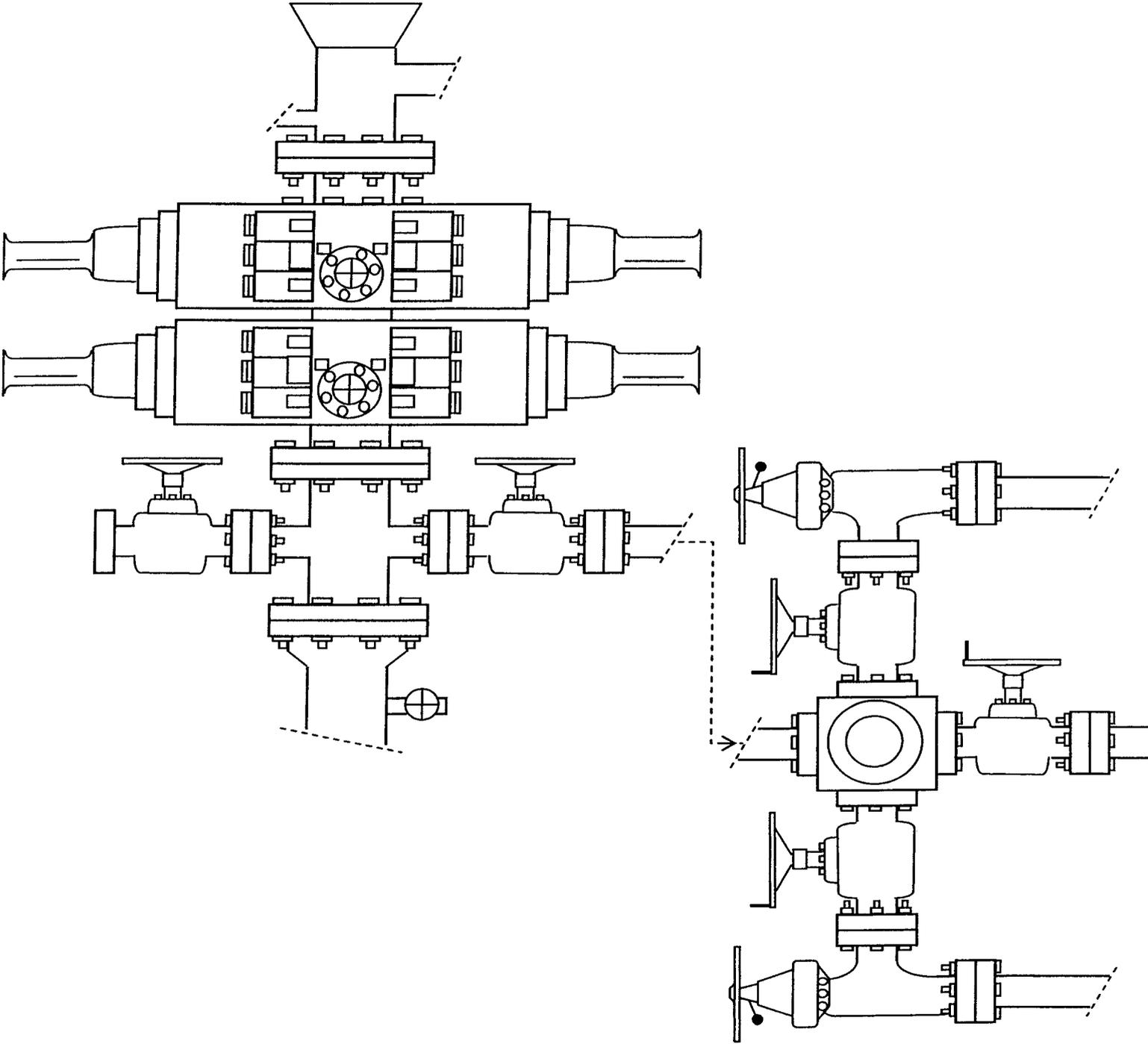


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/28/2008

API NO. ASSIGNED: 43-013-34069

WELL NAME: GB II FED S-29-8-17
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 29 080S 170E
 SURFACE: 1966 FSL 0664 FEL
 BOTTOM: 1310 FSL 1315 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.08715 LONGITUDE: -110.0225
 UTM SURF EASTINGS: 583333 NORTHINGS: 4437678
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-76956
 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: 225-4
Eff Date: 9-27-2004
Siting: Suspend from (Siting)
- R649-3-11. Directional Drill

COMMENTS:

Sig, Separable

STIPULATIONS:

1- Federal Approval

API Number: 4301334069

Well Name: GB II FED S-29-8-17

Township 08.0 S Range 17.0 E Section 29

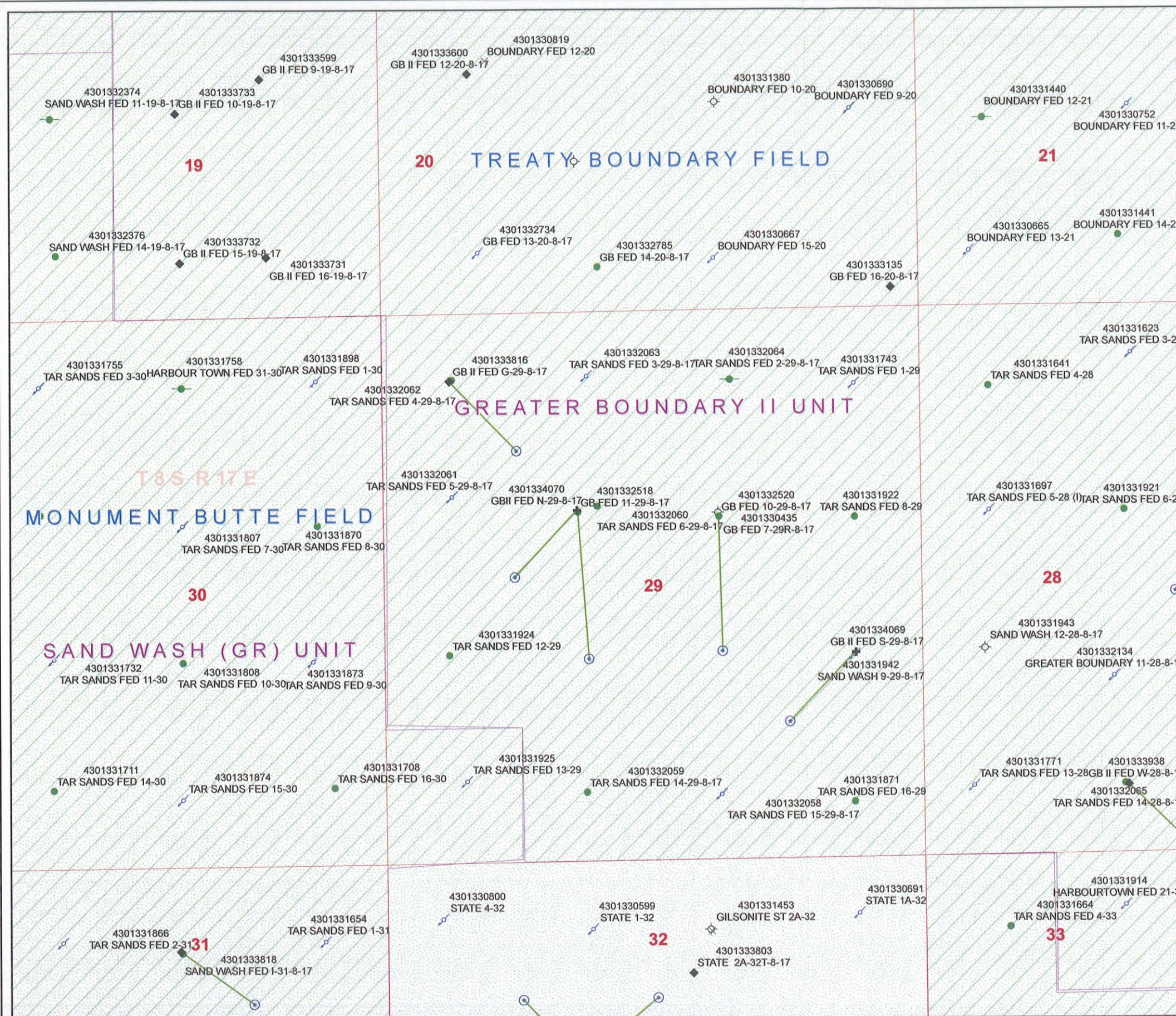
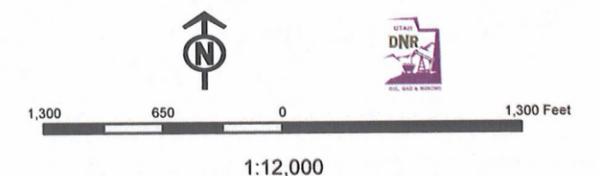
Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units Wells Query Events

Units	Wells Query Events
STATUS	GIS_STAT_TYPE
ACTIVE	<all other values>
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
Fields	POW
STATUS	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
Township	TW
	WD
	WI
	WS
	Bottom Hole Location





September 4, 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 S-29-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 29: NESE
1966' FSL 664' FEL
Bottom Hole: T8S R17E, Section 29
1310' FSL 1315' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated August 22, 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

SEP 08 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

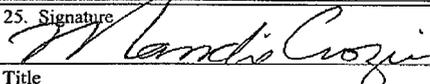
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76956
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary II Federal S-29-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 1966' FSL 664' FEL At proposed prod. zone 1310' FSL 1315' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 11.2 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 29, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1310' f/lse, 1310' f/unit	16. No. of Acres in lease 600.00	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. 1325'	19. Proposed Depth 6350'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5185' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 8/22/08
--	--	-----------------

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
SEP 08 2008
DIV. OF OIL, GAS & MINING

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)

September 9, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Greater Boundary Unit,
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34070	GB II Fed N-29-8-17 Sec 29 T08S R17E 1903 FNL 1911 FWL BHL Sec 29 T08S R17E 2536 FNL 1295 FWL	
43-013-34069	GB II Fed S-29-8-17 Sec 29 T08S R17E 1966 FSL 0664 FEL BHL Sec 29 T08S R17E 1310 FSL 1315 FEL	

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

/s/ Michael L. Coulthard

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



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

September 10, 2008

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

Re: Greater Boundary II Federal S-29-8-17 Well, Surface Location 1966' FSL, 664' FEL, NE SE, Sec. 29, T. 8 South, R. 17 East, Bottom Location 1310' FSL, 1315' FEL, NE SE, Sec. 29, 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 43-013-34069.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Greater Boundary II Federal S-29-8-17

API Number: 43-013-34069

Lease: UTU-76956

Surface Location: NE SE **Sec.** 29 **T.** 8 South **R.** 17 East

Bottom Location: NE SE **Sec.** 29 **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 AUG 27 PM 1 35

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-76956

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 S-29-8-17

9. API Well No.
43 013 34069

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 29, 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 NE/SE 1966' FSL 664' FEL
At proposed prod. zone 1310' FSL 1315' FEL SE SE

14. Distance in miles and direction from nearest town or post office*
Approximatley 11.2 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. 1310' f/lease, 1310' f/unit

16. No. of Acres in lease
600.00

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. 1325'

19. Proposed Depth
6350'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5185' 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 8/22/08
Title Regulatory Specialist

Approved by (Signature) *[Signature]* Name (Printed/Typed) Terry Kevella Date JAN 16 2009
Title Assistant Field Manager Office VERNAL FIELD OFFICE
Lands & Mineral Resources

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 7/8/08
AFMSS# 08PPD959A
UDOGM

RECEIVED
JAN 27 2009
DIV. OF OIL, GAS & MINING



**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:	NESE, Sec. 29, T8S, R17E (S) SESE, Sec.29, T8S, R17E (B)
Well No:	Greater Boundary II Fed S-29-8-17	Lease No:	UTU-76956
API No:	43-013-34069	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	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	

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:

Refer to Environmental Assessment 2009-0016

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

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP. Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of the directional survey shall be submitted to the BLM Vernal Field Office.

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 ($\frac{1}{4}$ / $\frac{1}{4}$, 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 Production Rig
Name/# Ross Rig #21 Submitted By Johnny
Davis Phone Number (435)-823-3610

Well Name/Number Greater Boundry II S-29-8-
17

Qtr/Qtr NESE Section 29 Township 8S Range
17E

Lease Serial Number UTU
76956

API Number 43-013-34069

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

Date/Time 7/18/09 11:00 AM
PM

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

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

Date/Time 7/20/09 9:00 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 _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	4301332970	<i>Sundance</i> FEDERAL 1-10-9-17	NENE	10	9S	17E	DUCHESNE	7/19/2009	7/30/09
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	12391	4301334069	GREATER BOUNDARY II <i>Fed S-29-8-17</i>	NESE	29	8S	17E	DUCHESNE	7/18/2009	7/30/09
<i>GRRV</i> <i>BHL = NESE</i>											
A	99999	17336	4301334258	TANNERJORGENSEN 15-22-4-1	SWSE	22	4S	1W	DUCHESNE	7/21/2009	7/30/09
<i>GRRV</i>											
A	99999	17337	4301334259	TANNERJORGENSEN 13-22-4-1	SWSW	22	4S	1W	DUCHESNE	7/22/2009	7/30/09
<i>GRRV</i>											
A	99999	17338	4301333103	FEDERAL 13-19-9-16	SWSW	19	9S	16E	DUCHESNE	7/18/2009	7/30/09
WELL 5 COMMENTS: <i>GRRV</i>											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

RECEIVED
 JUL 27 2009

[Signature]
 Signature
 Jentri Park
 Production Clerk
 07/23/09
 Date

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

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)

Section 29 T8S R17E

5. Lease Serial No.

USA UTU-76956

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.

GRTR BNDRY II S-29-8-17

9. API Well No.

4301334069

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, 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 recomplate 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 recomplate 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 7/18/09 MIRU Ross Rig # 29. Spud well @ 12:00 PM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 319.75 KB On 7/18/09 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

RECEIVED

AUG 04 2009

DIV. OF OIL, GAS & MINING

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

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

07/22/2009

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)

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
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SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include are code)

435.646.3721

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

Section 29 T8S R17E

5. Lease Serial No.

USA UTU-76956

6. If Indian, Allottee or Tribe Name.

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

GREATER BOUNDARY II

8. Well Name and No.

GRTR BNDRY II S-29-8-17

9. API Well No.

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10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, 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 7/30/09 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 @ 263'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6400'. Lay down drill string & BHA. PU & TIH with Guide shoe, shoe jt, float collar, 163 jt's of 5.5 J-55, 15.5# csgn. Set @ 6389.82' KB. Cement with 265 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned All Spacers And Trace of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig @ 12:00 AM 8/6/09.

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

Don Bastian

Signature

Don Bastian

Title

Drilling Foreman

Date

08/06/2009

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

Office

Date

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

(Instructions on page 2)

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AUG 12 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76956	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: GB II FED S-29-8-17	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013340690000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1966 FSL 0664 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 29 Township: 08.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: UTAH	
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 Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/1/2009	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>The above well was placed on production on 09/01/2009 at 08:00 hours. Production Start Sundry re-sent 10/05/2012.</p>			
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 12, 2012</p>			
NAME (PLEASE PRINT) Kaci Deveraux		PHONE NUMBER 435 646-4867	TITLE Production Technician
SIGNATURE N/A		DATE 10/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76956
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GB II FED S-29-8-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013340690000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1966 FSL 0664 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 29 Township: 08.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/1/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 The above well was placed on production on 09/01/2009 at 08:00 hours. Production Start Sundry re-sent 10/05/2012.

NAME (PLEASE PRINT) Kaci Deveraux	PHONE NUMBER 435 646-4867	TITLE Production Technician
SIGNATURE N/A		DATE 10/5/2012

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-76956

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
GREATER BOUNDARY II UNIT

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

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

8. Lease Name and Well No.
Greater Boundary II Federal S-29-8-17

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

At surface 1966' FSL & 664' FEL (NE/SE) SEC. 29, T8S, R17E (UTU-76956)

At top prod. interval reported below 1401' FSL & 1224' FEL (NE/SE) SEC. 29, T8S, R17E (UTU-76956)

At total depth 1126' FSL & 1507' FEL (SW/SE) SEC. 29, T8S, R17E (UTU-76956) **BHL by HSM**

10. Field and Pool or Exploratory
Monument Butte

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 29, T8S, R17E

12. County or Parish
DUCHESNE

13. State
UT

14. Date Spudded
07/18/2009

15. Date T.D. Reached
08/06/2009

16. Date Completed 09/01/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5185' GL 5197' KB

18. Total Depth: MD 6400'
TVD 6273'

19. Plug Back T.D.: MD 6348'
TVD 6222'

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#	0	320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	14'	6390'		265 PRIMLITE		488'	
						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@ 6133'	TA @ 6036'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Green River	4528'	6079'	4528'-5512'	.34	90	
B)			6072'-6079'	.49	21	
C)						
D)						

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

Depth Interval	Amount and Type of Material
4528'-6079'	Frac w/ 198202#'s 20/40 sand in 907 bbls of Lightning 17 fluid in 4 stages

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
09/01/09	09/11/09	24	→	40	20	2			2.5" x 1.75" x 20' x 24' RHAC
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	
			→						

RECEIVED

Oct 30 2012

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4528'	6079'		GARDEN GULCH 1	4291'
				POINT 3 MARKER	4570'
				X MRKR	4793'
				Y MRKR	4833'
				DOUGLAS CREEK BI-CARBONATE	4960' 5197'
B LIMESTONE CASTLE PEAK					5329'
					5860'
BASAL LIMESTONE					6265'

32. Additional remarks (include plugging procedure):

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

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

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) Jennifer Peatross Title Production Technician
 Signature  Date 10/25/2012

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.



HATHAWAY BURNHAM

Survey Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well S-29-8-17
Project:	USGS Myton SW (UT)	TVD Reference:	S-29-8-17 @ 5198.00ft
Site:	SECTION 29	MD Reference:	S-29-8-17 @ 5198.00ft
Well:	S-29-8-17	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site SECTION 29, T8S R17E			
Site Position:		Northing:	7,204,529.47 ft
From:	Lat/Long	Easting:	2,051,571.00 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40.089025
		Longitude:	-110.030336
		Grid Convergence:	0.94 °

Well S-29-8-17, SHL LAT 40 05 13.46, LONG -110 01 23.88			
Well Position	+N/-S	0.00 ft	Northing: 7,203,850.54 ft
	+E/-W	0.00 ft	Easting: 2,053,550.84 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40.087072
		Longitude:	-110.023300
		Ground Level:	0.00 ft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/07/17	11.54	65.89	52,562

Design Wellbore #1					
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	224.68	

Survey Program Date 2009/08/06					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
392.00	6,400.00	Survey #1 (Wellbore #1)	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
392.00	0.46	108.93	392.00	-0.51	1.49	-0.68	0.12	0.12	0.00
423.00	0.30	89.81	423.00	-0.55	1.69	-0.79	0.65	-0.52	-61.68
454.00	0.42	77.13	453.99	-0.53	1.88	-0.95	0.46	0.39	-40.90
485.00	0.40	161.88	484.99	-0.60	2.02	-0.99	1.78	-0.06	273.39
516.00	0.89	185.85	515.99	-0.94	2.03	-0.76	1.77	1.58	77.32
546.00	1.36	204.22	545.99	-1.50	1.86	-0.24	1.96	1.57	61.23
577.00	1.69	213.69	576.98	-2.22	1.46	0.55	1.34	1.06	30.55
607.00	2.22	218.41	606.96	-3.04	0.85	1.56	1.84	1.77	15.73
638.00	2.97	220.52	637.93	-4.12	-0.04	2.96	2.44	2.42	6.81
669.00	3.43	222.59	668.88	-5.41	-1.19	4.69	1.53	1.48	6.68
700.00	3.82	226.89	699.82	-6.80	-2.57	6.65	1.53	1.26	13.87
730.00	4.00	228.89	729.75	-8.17	-4.09	8.69	0.75	0.60	6.67



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 29
Well: S-29-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well S-29-8-17
TVD Reference: S-29-8-17 @ 5198.00ft
MD Reference: S-29-8-17 @ 5198.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

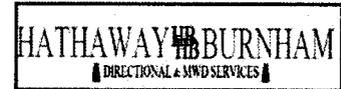
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
761.00	4.46	228.01	760.66	-9.69	-5.80	10.97	1.50	1.48	-2.84
792.00	4.90	225.14	791.56	-11.43	-7.64	13.50	1.61	1.42	-9.26
822.00	5.30	225.33	821.44	-13.31	-9.53	16.16	1.33	1.33	0.63
853.00	5.76	225.31	852.29	-15.41	-11.65	19.15	1.48	1.48	-0.06
884.00	6.13	225.49	883.13	-17.66	-13.94	22.36	1.20	1.19	0.58
915.00	6.51	225.58	913.94	-20.05	-16.38	25.77	1.23	1.23	0.29
947.00	7.08	225.99	945.71	-22.69	-19.09	29.56	1.79	1.78	1.28
979.00	7.67	228.32	977.45	-25.48	-22.10	33.66	2.07	1.84	7.28
1,010.00	8.33	229.05	1,008.15	-28.33	-25.34	37.97	2.15	2.13	2.35
1,041.00	8.81	229.27	1,038.80	-31.35	-28.84	42.57	1.55	1.55	0.71
1,073.00	9.23	229.38	1,070.41	-34.62	-32.64	47.57	1.31	1.31	0.34
1,105.00	9.60	228.45	1,101.97	-38.06	-36.59	52.79	1.25	1.16	-2.91
1,136.00	9.95	226.63	1,132.52	-41.62	-40.47	58.05	1.51	1.13	-5.87
1,169.00	10.00	225.12	1,165.03	-45.60	-44.57	63.76	0.81	0.15	-4.58
1,200.00	10.26	224.98	1,195.54	-49.45	-48.43	69.22	0.84	0.84	-0.45
1,232.00	10.94	224.04	1,227.00	-53.65	-52.56	75.10	2.19	2.12	-2.94
1,328.00	11.95	226.85	1,321.09	-66.99	-66.14	94.14	1.20	1.05	2.93
1,423.00	12.89	226.93	1,413.86	-80.96	-81.06	114.56	0.99	0.99	0.08
1,518.00	13.58	228.30	1,506.34	-95.61	-97.13	136.28	0.80	0.73	1.44
1,613.00	13.60	228.81	1,598.68	-110.39	-113.86	158.55	0.13	0.02	0.54
1,708.00	13.65	225.73	1,691.01	-125.57	-130.29	180.90	0.77	0.05	-3.24
1,803.00	13.54	224.10	1,783.35	-141.38	-146.06	203.23	0.42	-0.12	-1.72
1,898.00	12.74	223.29	1,875.86	-156.99	-160.98	224.82	0.86	-0.84	-0.85
1,993.00	13.12	222.06	1,968.45	-172.62	-175.38	246.06	0.49	0.40	-1.29
2,088.00	11.73	221.61	2,061.22	-187.85	-189.02	266.48	1.47	-1.46	-0.47
2,183.00	11.93	221.69	2,154.20	-202.40	-201.96	285.92	0.21	0.21	0.08
2,278.00	12.24	224.78	2,247.10	-216.88	-215.59	305.80	0.76	0.33	3.25
2,373.00	12.02	224.96	2,339.98	-231.03	-229.67	325.76	0.23	-0.23	0.19
2,468.00	12.24	224.39	2,432.86	-245.22	-243.71	345.73	0.26	0.23	-0.60
2,563.00	11.65	223.82	2,525.80	-259.34	-257.39	365.39	0.63	-0.62	-0.60
2,659.00	12.46	227.16	2,619.68	-273.38	-271.70	385.43	1.11	0.84	3.48
2,754.00	12.66	224.37	2,712.41	-287.79	-286.49	406.07	0.67	0.21	-2.94
2,849.00	12.22	222.83	2,805.18	-302.60	-300.61	426.53	0.58	-0.46	-1.62
2,944.00	10.94	223.77	2,898.24	-316.48	-313.68	445.60	1.36	-1.35	0.99
3,038.00	10.94	223.55	2,990.54	-329.39	-326.00	463.43	0.04	0.00	-0.23
3,134.00	11.95	226.76	3,084.63	-342.80	-339.51	482.47	1.24	1.05	3.34
3,229.00	12.48	227.93	3,177.48	-356.42	-354.30	502.55	0.62	0.56	1.23
3,323.00	12.96	225.44	3,269.17	-370.62	-369.35	523.23	0.78	0.51	-2.65
3,419.00	11.84	223.74	3,362.93	-385.29	-383.83	543.84	1.23	-1.17	-1.77
3,514.00	12.11	224.28	3,455.86	-399.46	-397.52	563.55	0.31	0.28	0.57
3,609.00	11.76	224.28	3,548.81	-413.53	-411.24	583.20	0.37	-0.37	0.00
3,704.00	12.92	226.78	3,641.61	-427.73	-425.74	603.49	1.34	1.22	2.63
3,799.00	13.40	224.41	3,734.12	-442.87	-441.18	625.12	0.76	0.51	-2.49
3,894.00	13.49	223.69	3,826.51	-458.75	-456.54	647.20	0.20	0.09	-0.76
3,989.00	13.23	227.00	3,918.94	-474.17	-472.14	669.14	0.85	-0.27	3.48
4,084.00	13.32	224.89	4,011.41	-489.34	-487.82	690.95	0.52	0.09	-2.22
4,180.00	12.96	224.30	4,104.89	-504.88	-503.14	712.77	0.40	-0.37	-0.61
4,275.00	13.21	223.91	4,197.43	-520.32	-518.11	734.28	0.28	0.26	-0.41
4,370.00	12.68	223.49	4,290.01	-535.71	-532.81	755.56	0.57	-0.56	-0.44
4,465.00	11.76	224.06	4,382.86	-550.23	-546.72	775.66	0.98	-0.97	0.60
4,560.00	12.52	223.00	4,475.73	-564.72	-560.48	795.64	0.83	0.80	-1.12
4,655.00	12.19	225.64	4,568.53	-579.26	-574.67	815.96	0.69	-0.35	2.78
4,750.00	12.22	224.56	4,661.39	-593.44	-588.90	836.04	0.24	0.03	-1.14
4,845.00	13.01	225.51	4,754.09	-608.10	-603.58	856.79	0.86	0.83	1.00



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 29
Well: S-29-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well S-29-8-17
TVD Reference: S-29-8-17 @ 5198.00ft
MD Reference: S-29-8-17 @ 5198.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,940.00	12.28	223.77	4,846.79	-622.88	-618.20	877.58	0.87	-0.77	-1.83
5,035.00	12.68	225.97	4,939.54	-637.43	-632.68	898.11	0.65	0.42	2.32
5,130.00	12.21	223.77	5,032.31	-651.93	-647.13	918.58	0.70	-0.49	-2.32
5,225.00	12.17	224.13	5,125.17	-666.37	-661.05	938.63	0.09	-0.04	0.38
5,295.25	12.38	222.46	5,193.82	-677.24	-671.29	953.56	0.59	0.30	-2.38
S-29-8-17 TGT									
5,321.00	12.46	221.86	5,218.96	-681.35	-675.01	959.10	0.59	0.31	-2.32
5,416.00	11.87	221.60	5,311.83	-696.29	-688.33	979.09	0.62	-0.62	-0.27
5,511.00	12.39	222.30	5,404.71	-711.13	-701.68	999.03	0.57	0.55	0.74
5,606.00	12.13	228.08	5,497.54	-725.34	-715.96	1,019.18	1.32	-0.27	6.08
5,701.00	12.92	227.27	5,590.28	-739.21	-731.19	1,039.75	0.85	0.83	-0.85
5,796.00	12.44	224.98	5,682.96	-753.66	-746.23	1,060.59	0.73	-0.51	-2.41
5,891.00	12.41	227.40	5,775.74	-767.80	-760.97	1,081.02	0.55	-0.03	2.55
5,986.00	13.14	230.21	5,868.39	-781.63	-776.79	1,101.96	1.01	0.77	2.96
6,080.00	12.44	228.76	5,960.06	-795.14	-792.61	1,122.70	0.82	-0.74	-1.54
6,175.00	12.28	227.69	6,052.85	-808.68	-807.77	1,142.99	0.29	-0.17	-1.13
6,270.00	12.58	228.10	6,145.63	-822.39	-822.95	1,163.41	0.33	0.32	0.43
6,345.00	11.38	228.21	6,218.99	-832.78	-834.54	1,178.95	1.60	-1.60	0.15
6,400.00	11.38	228.21	6,272.91	-840.01	-842.63	1,189.78	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
S-29-8-17 TGT	0.00	0.00	5,200.00	-657.84	-650.55	7,203,192.76	2,052,900.35	40.085296	-110.025663
- hit/miss target - Shape - actual wellpath misses by 29.07ft at 5295.25ft MD (5193.82 TVD, -677.24 N, -671.29 E) - Circle (radius 75.00)									

Checked By: _____ Approved By: _____ Date: _____