

NEWFIELD



Route #3 Box 3630
Myton, Utah 84052
(435) 646-4825, FAX: (435) 646-3031

September 15, 2008

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

RE: Applications for Permit to Drill
Mon. Butte NE Federal B-25-8-16
Greater Boundary II Federal L-28-8-17
Greater Boundary II Federal T-28-8-17
Greater Boundary II Federal F-27-8-17
Jonah Federal M-12-9-16
South Wells Draw Federal W-4-9-16
Gilsonite State R-32-8-17

Dear Diana:

Enclosed find APD's on the above referenced wells. Please Contact Dave Allred to set up an On-Site for the proposed F-27-8-17 and R-32-8-17 locations. Our Land Department will send you the required Directional Drill Letters. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
SEP 22 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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76241
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 F-27-8-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-34092
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1840' FNL 569' FWL At proposed prod. zone ^{NWNW} 1225' FNL 235' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 12.1 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 27, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1225' f/lse, 1225' 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. 918'	19. Proposed Depth 6510'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5183' GL	22. Approximate date work will start* 1st Quarter 2009	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 9/15/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 12-11-08
Title Of 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

585312X
4438149Y
40.091200
-109.999243

BHL

585209X
4438336Y
40.092889
-110.000450

Federal Approval of this
Action is Necessary

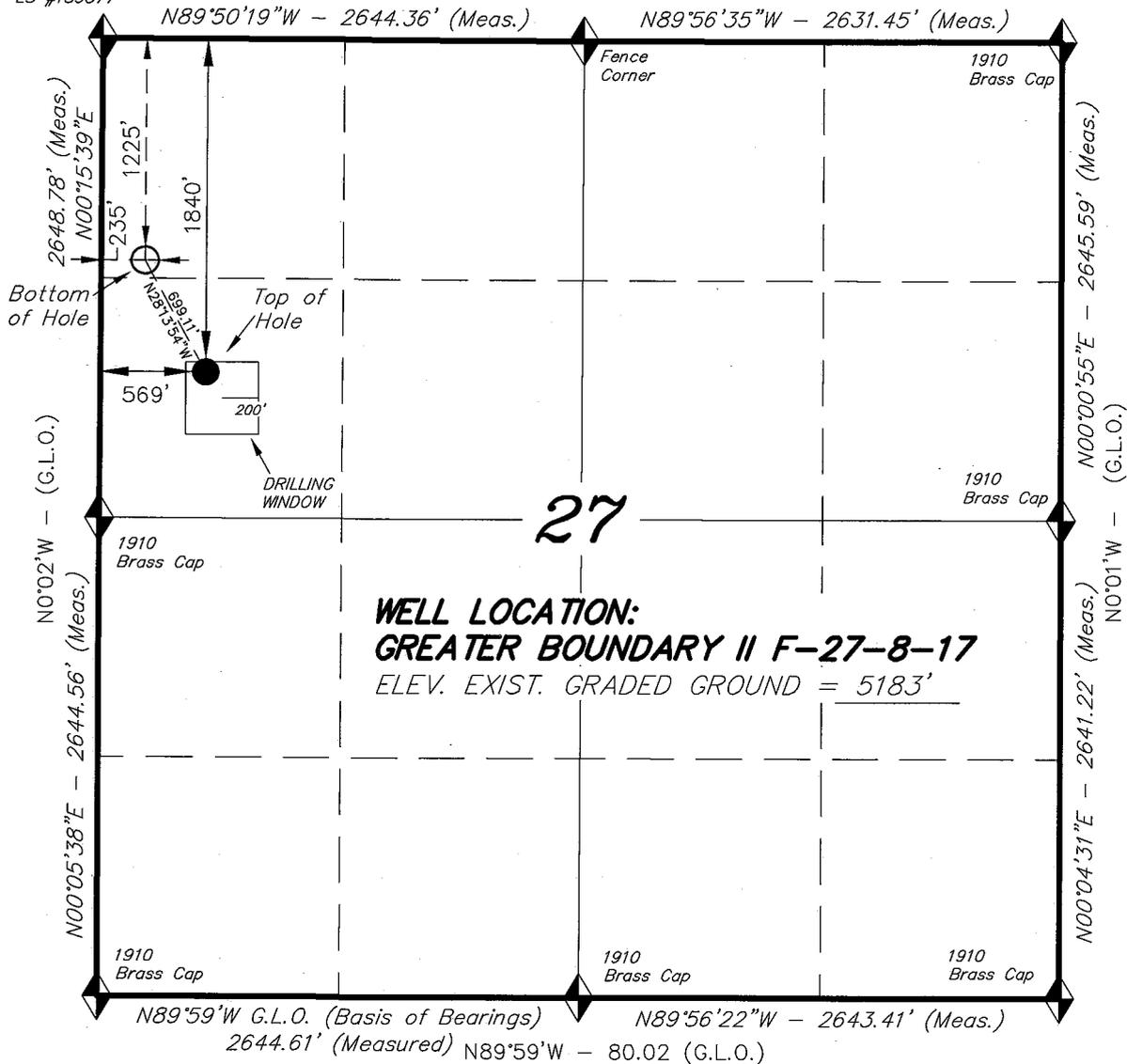
RECEIVED
SEP 22 2008
DIV. OF OIL, GAS & MINING

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

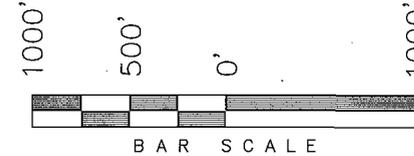
NEWFIELD PRODUCTION COMPANY

Plastic Cap
LS #189377

N89°58'W - 80.00 (G.L.O.)



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



WELL LOCATION:
GREATER BOUNDARY II F-27-8-17
ELEV. EXIST. GRADED GROUND = 5183'

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

Stacy W. Stewart
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 22233
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 04-30-08	SURVEYED BY: T.H.
DATE DRAWN: 05-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY II F-27-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 28.22"
LONGITUDE = 110° 00' 00.06"

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL F-27-8-17
AT SURFACE: SW/NW 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' – 1755'
Green River	1755'
Wasatch	6510'

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

Green River Formation 1755' – 6510' - 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 F-27-8-17
AT SURFACE: SW/NW 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 F-27-8-17 located in the SW 1/4 NW 1/4 Section 27, 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 along Hwy 53 - 5.9 miles \pm to its junction with an existing dirt road to the east; proceed easterly - 1.0 miles \pm to its junction with an existing dirt road to the south; proceed southerly - 0.9 miles \pm to its junction with an existing dirt road to the east; proceed easterly - 1.9 miles \pm to its junction to its junction with an existing dirt road to the south; proceed southeasterly - 1.0 miles \pm to the existing Greater Boundary 5-27-8-17 well location.

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

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

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

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Greater Boundary 5-27-8-17 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 5-27-8-17 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 F-27-8-17. All permanent surface equipment will be painted Carlsbad Canyon.

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 : 43-7478

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 F-27-8-17 will be drilled off of the existing Greater Boundary 5-27-8-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

Fencing Requirements

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

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

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

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

10. PLANS FOR RESTORATION OF SURFACE

a) Producing Location

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

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

b) Dry Hole Abandoned Location

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

11. SURFACE OWNERSHIP – See attached Surface Use Agreement.

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

None for the proposed Greater Boundary II Federal F-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

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

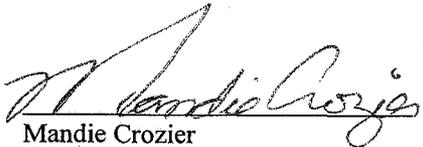
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #F-27-8-17 SW/NW 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.

9/15/08

Date



Mandie Crozier
Regulatory Specialist
Newfield Production Company

WHEN RECORDED, MAIL TO
Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202
Attn: Jeff Fandrich

E 357448 R 0381 P 207
Date 16-OCT-2002 8:51am
Fees 16.00 Check
CAROLYNE D MADSEN, Recorder
Filed By CBM
For INLAND PRODUCTION CO
DUCHESE COUNTY CORPORATION

MEMORANDUM OF AGREEMENT

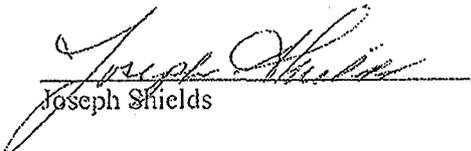
NOTICE IS HEREBY GIVEN that INLAND PRODUCTION COMPANY ("Inland"), a Texas corporation, having a mailing address at 410 Seventeenth Street, Suite 700, Denver, Colorado 80202, and JOSEPH AND CAROL SHIELDS (collectively, "Shields"), having a mailing address at Route 3, Box 3650, Myton, Utah 84053, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, have entered into that certain RESTATED AND AMENDED SURFACE AGREEMENT (the "Agreement") of even date herewith wherein Inland and Shields have agreed to particular matters regarding certain oil and gas operations conducted by Inland on real property owned by Shields located in Duchesne County, Utah, more fully described as:

Township 8 South, Range 17 East, S.L.B.& M.
Section 21: SE $\frac{1}{4}$
Section 27: W $\frac{1}{2}$ NW $\frac{1}{4}$
Section 28: N $\frac{1}{2}$ NE $\frac{1}{4}$

Reference is made to the Agreement for the particulars thereof. This Memorandum of Agreement ("Memorandum") is to be recorded in the Official Records of Duchesne County, Utah, for the purpose of giving record notice of the rights of Inland and Shields under the Agreement. This Memorandum, and the rights and obligations of the parties hereunder, are all subject to all of the terms and conditions of the Agreement. This Memorandum does not add to, supersede, replace, amend, or otherwise affect the Agreement. To the extent of any conflict or inconsistency between any provisions of this Memorandum and the provisions of the Agreement, the Agreement, and not this Memorandum, shall control and govern.

This Memorandum may be executed in any number of duplicate originals or counterparts, each of which (when the original signatures are affixed) shall be an original but all of which shall constitute one and the same instrument.

DATED this 12th day of September, 2002.



Joseph Shields

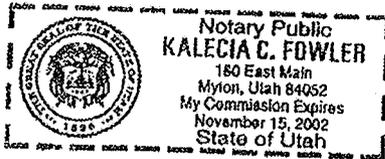
Carol Shields
Carol Shields

INLAND PRODUCTION COMPANY

By: _____
Its: _____

STATE OF UTAH)
 : ss.
COUNTY OF DUCHESNE)

The foregoing instrument was acknowledged before me this 12th day of September, 2002, by Joseph Shields and Carol Shields.



Kalecia C. Fowler
NOTARY PUBLIC AND SEAL

STATE OF COLORADO)
 : ss.
COUNTY OF)

The foregoing instrument was acknowledged before me this ____ day of September, 2002, by _____, the _____ of Inland Production Company, a Texas corporation..

NOTARY PUBLIC AND SEAL

Carol Shields

INLAND PRODUCTION COMPANY

By: *Jeff Fandrich*
Its: Attorney-in-Fact

STATE OF UTAH)
 : ss.
COUNTY OF DUCHESNE)

The foregoing instrument was acknowledged before me this ____ day of September, 2002, by Joseph Shields and Carol Shields.

NOTARY PUBLIC AND SEAL

STATE OF COLORADO)
 : ss.
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 12th day of September, 2002, by Jeff Fandrich, the Attorney-in-Fact of Inland Production Company, a Texas corporation.

Beck S
NOTARY PUBLIC AND SEAL

My Commission Expires:

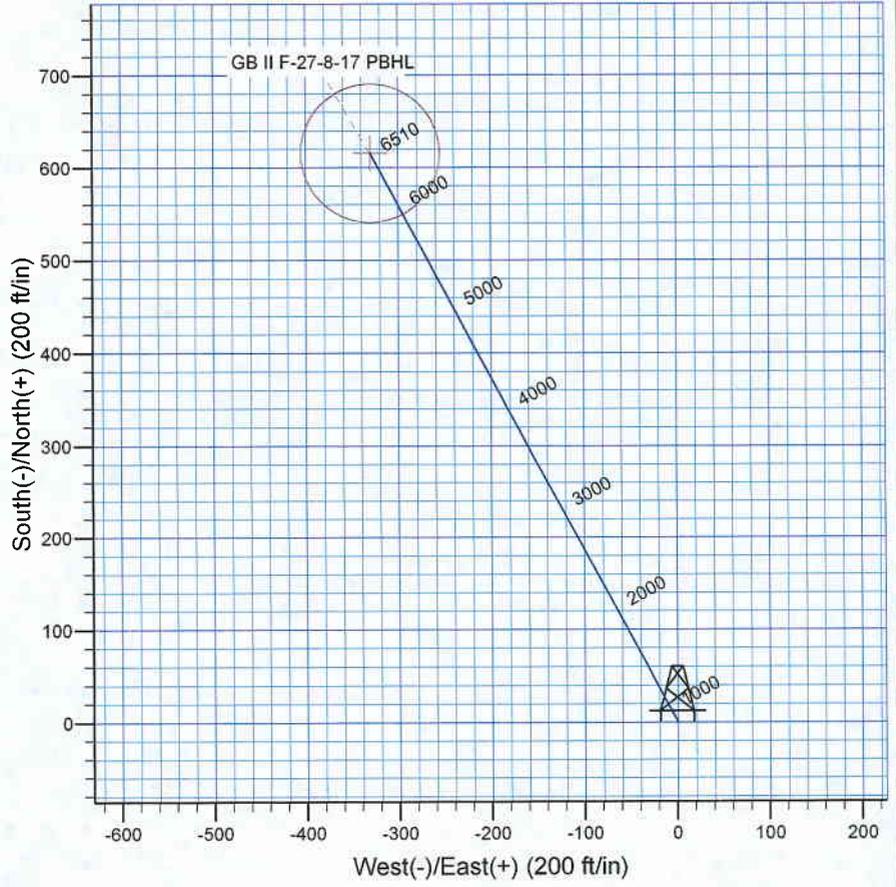
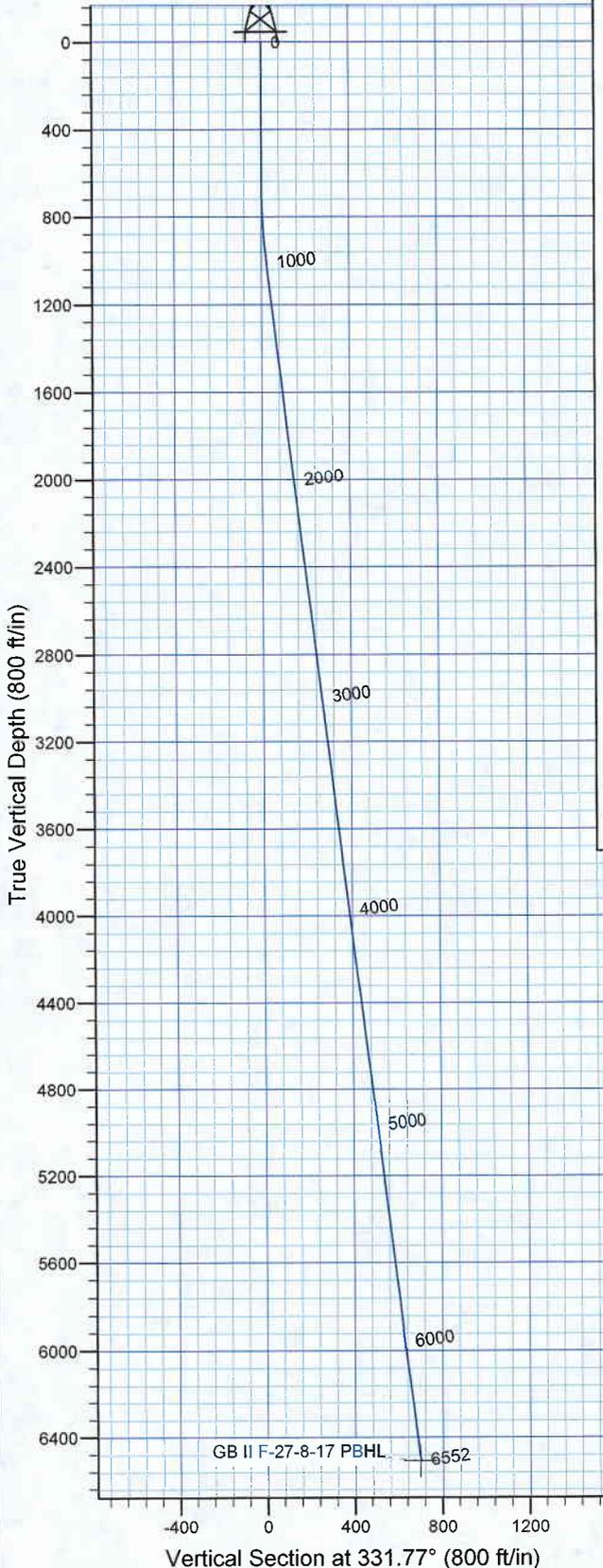
8/29/08



Azimuths to True North
 Magnetic North: 11.66°
 Magnetic Field
 Strength: 52626.0snT
 Dip Angle: 65.93°
 Date: 2008-06-25
 Model: IGRF2005-10

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

GL 5183' & RKB 12' @ 5195.00ft 5183.00
 +N/-S 0.00 +E/-W 0.00 Northing 7205466.62 Easting 2060043.25 Latitude 40° 5' 28.220 N Longitude 110° 0' 0.060 W



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

Created By: Julie Cruse Date: 2008-06-25

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	
1068.14	7.02	331.77	1066.97	25.24	-13.55	1.50	331.77	28.65	
6552.31	7.02	331.77	6510.00	615.95	-330.69	0.00	0.00	699.11	GB II F-27-8-17 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Greater Boundary II

Greater Boundary II F-27-8-17

OH

Plan: Plan #1

Standard Planning Report

25 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 F-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II F-27-8-17
TVD Reference: GL 5183' & RKB 12' @ 5195.00ft
MD Reference: GL 5183' & RKB 12' @ 5195.00ft
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 F-27-8-17, 1840' FNL 569' FWL Sec 27 T8S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,205,466.62 ft	Latitude:	40° 5' 28.220 N
	+E/-W	0.00 ft	Easting:	2,060,043.25 ft	Longitude:	110° 0' 0.060 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,183.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-06-25	11.66	65.93	52,626

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	331.77	

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	
1,068.14	7.02	331.77	1,066.97	25.24	-13.55	1.50	1.50	0.00	331.77	
6,552.31	7.02	331.77	6,510.00	615.95	-330.69	0.00	0.00	0.00	0.00	GB II F-27-8-17 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 II
Well: Greater Boundary II F-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II F-27-8-17
TVD Reference: GL 5183' & RKB 12' @ 5195.00ft
MD Reference: GL 5183' & RKB 12' @ 5195.00ft
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	331.77	699.99	1.15	-0.62	1.31	1.50	1.50	0.00
800.00	3.00	331.77	799.91	4.61	-2.48	5.23	1.50	1.50	0.00
900.00	4.50	331.77	899.69	10.37	-5.57	11.77	1.50	1.50	0.00
1,000.00	6.00	331.77	999.27	18.44	-9.90	20.92	1.50	1.50	0.00
1,068.14	7.02	331.77	1,066.97	25.24	-13.55	28.65	1.50	1.50	0.00
1,100.00	7.02	331.77	1,098.59	28.68	-15.39	32.55	0.00	0.00	0.00
1,200.00	7.02	331.77	1,197.84	39.45	-21.18	44.77	0.00	0.00	0.00
1,300.00	7.02	331.77	1,297.09	50.22	-26.96	57.00	0.00	0.00	0.00
1,400.00	7.02	331.77	1,396.34	60.99	-32.74	69.22	0.00	0.00	0.00
1,500.00	7.02	331.77	1,495.59	71.76	-38.53	81.45	0.00	0.00	0.00
1,600.00	7.02	331.77	1,594.84	82.53	-44.31	93.67	0.00	0.00	0.00
1,700.00	7.02	331.77	1,694.09	93.30	-50.09	105.90	0.00	0.00	0.00
1,800.00	7.02	331.77	1,793.34	104.07	-55.87	118.12	0.00	0.00	0.00
1,900.00	7.02	331.77	1,892.59	114.84	-61.66	130.35	0.00	0.00	0.00
2,000.00	7.02	331.77	1,991.84	125.62	-67.44	142.57	0.00	0.00	0.00
2,100.00	7.02	331.77	2,091.09	136.39	-73.22	154.80	0.00	0.00	0.00
2,200.00	7.02	331.77	2,190.34	147.16	-79.00	167.03	0.00	0.00	0.00
2,300.00	7.02	331.77	2,289.59	157.93	-84.79	179.25	0.00	0.00	0.00
2,400.00	7.02	331.77	2,388.84	168.70	-90.57	191.48	0.00	0.00	0.00
2,500.00	7.02	331.77	2,488.09	179.47	-96.35	203.70	0.00	0.00	0.00
2,600.00	7.02	331.77	2,587.34	190.24	-102.14	215.93	0.00	0.00	0.00
2,700.00	7.02	331.77	2,686.59	201.01	-107.92	228.15	0.00	0.00	0.00
2,800.00	7.02	331.77	2,785.84	211.79	-113.70	240.38	0.00	0.00	0.00
2,900.00	7.02	331.77	2,885.09	222.56	-119.48	252.60	0.00	0.00	0.00
3,000.00	7.02	331.77	2,984.34	233.33	-125.27	264.83	0.00	0.00	0.00
3,100.00	7.02	331.77	3,083.59	244.10	-131.05	277.05	0.00	0.00	0.00
3,200.00	7.02	331.77	3,182.84	254.87	-136.83	289.28	0.00	0.00	0.00
3,300.00	7.02	331.77	3,282.09	265.64	-142.62	301.50	0.00	0.00	0.00
3,400.00	7.02	331.77	3,381.34	276.41	-148.40	313.73	0.00	0.00	0.00
3,500.00	7.02	331.77	3,480.59	287.18	-154.18	325.95	0.00	0.00	0.00
3,600.00	7.02	331.77	3,579.84	297.96	-159.96	338.18	0.00	0.00	0.00
3,700.00	7.02	331.77	3,679.09	308.73	-165.75	350.41	0.00	0.00	0.00
3,800.00	7.02	331.77	3,778.34	319.50	-171.53	362.63	0.00	0.00	0.00
3,900.00	7.02	331.77	3,877.59	330.27	-177.31	374.86	0.00	0.00	0.00
4,000.00	7.02	331.77	3,976.84	341.04	-183.09	387.08	0.00	0.00	0.00
4,100.00	7.02	331.77	4,076.09	351.81	-188.88	399.31	0.00	0.00	0.00
4,200.00	7.02	331.77	4,175.34	362.58	-194.66	411.53	0.00	0.00	0.00
4,300.00	7.02	331.77	4,274.59	373.35	-200.44	423.76	0.00	0.00	0.00
4,400.00	7.02	331.77	4,373.84	384.13	-206.23	435.98	0.00	0.00	0.00
4,500.00	7.02	331.77	4,473.09	394.90	-212.01	448.21	0.00	0.00	0.00
4,600.00	7.02	331.77	4,572.34	405.67	-217.79	460.43	0.00	0.00	0.00
4,700.00	7.02	331.77	4,671.59	416.44	-223.57	472.66	0.00	0.00	0.00
4,800.00	7.02	331.77	4,770.84	427.21	-229.36	484.88	0.00	0.00	0.00
4,900.00	7.02	331.77	4,870.09	437.98	-235.14	497.11	0.00	0.00	0.00
5,000.00	7.02	331.77	4,969.34	448.75	-240.92	509.33	0.00	0.00	0.00
5,100.00	7.02	331.77	5,068.59	459.52	-246.70	521.56	0.00	0.00	0.00
5,200.00	7.02	331.77	5,167.84	470.29	-252.49	533.79	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 F-27-8-17
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Greater Boundary II F-27-8-17
TVD Reference: GL 5183' & RKB 12' @ 5195.00ft
MD Reference: GL 5183' & RKB 12' @ 5195.00ft
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	7.02	331.77	5,267.09	481.07	-258.27	546.01	0.00	0.00	0.00
5,400.00	7.02	331.77	5,366.34	491.84	-264.05	558.24	0.00	0.00	0.00
5,500.00	7.02	331.77	5,465.59	502.61	-269.84	570.46	0.00	0.00	0.00
5,600.00	7.02	331.77	5,564.84	513.38	-275.62	582.69	0.00	0.00	0.00
5,700.00	7.02	331.77	5,664.08	524.15	-281.40	594.91	0.00	0.00	0.00
5,800.00	7.02	331.77	5,763.33	534.92	-287.18	607.14	0.00	0.00	0.00
5,900.00	7.02	331.77	5,862.58	545.69	-292.97	619.36	0.00	0.00	0.00
6,000.00	7.02	331.77	5,961.83	556.46	-298.75	631.59	0.00	0.00	0.00
6,100.00	7.02	331.77	6,061.08	567.24	-304.53	643.81	0.00	0.00	0.00
6,200.00	7.02	331.77	6,160.33	578.01	-310.31	656.04	0.00	0.00	0.00
6,300.00	7.02	331.77	6,259.58	588.78	-316.10	668.26	0.00	0.00	0.00
6,400.00	7.02	331.77	6,358.83	599.55	-321.88	680.49	0.00	0.00	0.00
6,500.00	7.02	331.77	6,458.08	610.32	-327.66	692.72	0.00	0.00	0.00
6,552.31	7.02	331.77	6,510.00	615.95	-330.69	699.11	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 F-27-8-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,510.00	615.95	-330.69	7,206,076.94	2,059,702.28	40° 5' 34.307 N	110° 0' 4.315 W

NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

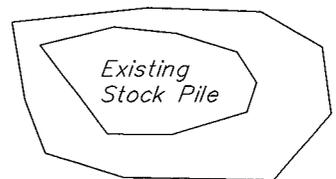
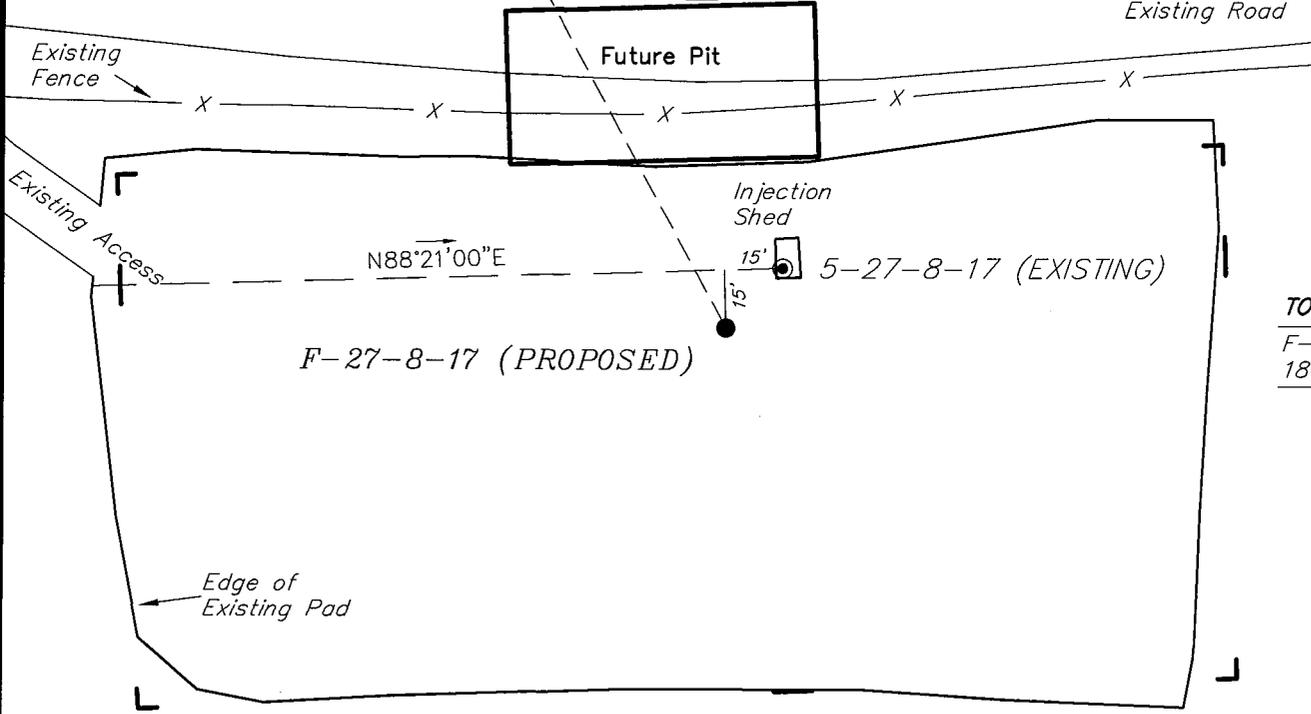
GREATER BOUNDARY II F-27-8-17 (Proposed Well)

GREATER BOUNDARY II 5-27-8-17 (Existing Well)

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



N228°13'54"W - 699.11'
(To Bottom Hole)



TOP HOLE FOOTAGES
 F-27-8-17 (PROPOSED)
 1840' FNL & 569' FWL

BOTTOM HOLE FOOTAGES
 F-27-8-17 (PROPOSED)
 1225' FNL & 235' FWL

LATITUDE & LONGITUDE
 Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
F-27-8-17	40° 05' 28.22"	110° 00' 00.06"
5-27-8-17	40° 05' 28.37"	109° 59' 59.87"

RELATIVE COORDINATES
 From top hole to bottom hole

WELL	NORTH	EAST
F-27-8-17	616'	-331'

Note:
 Bearings are based on GLO Information.

SURVEYED BY: T.H.	DATE SURVEYED: 04-30-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

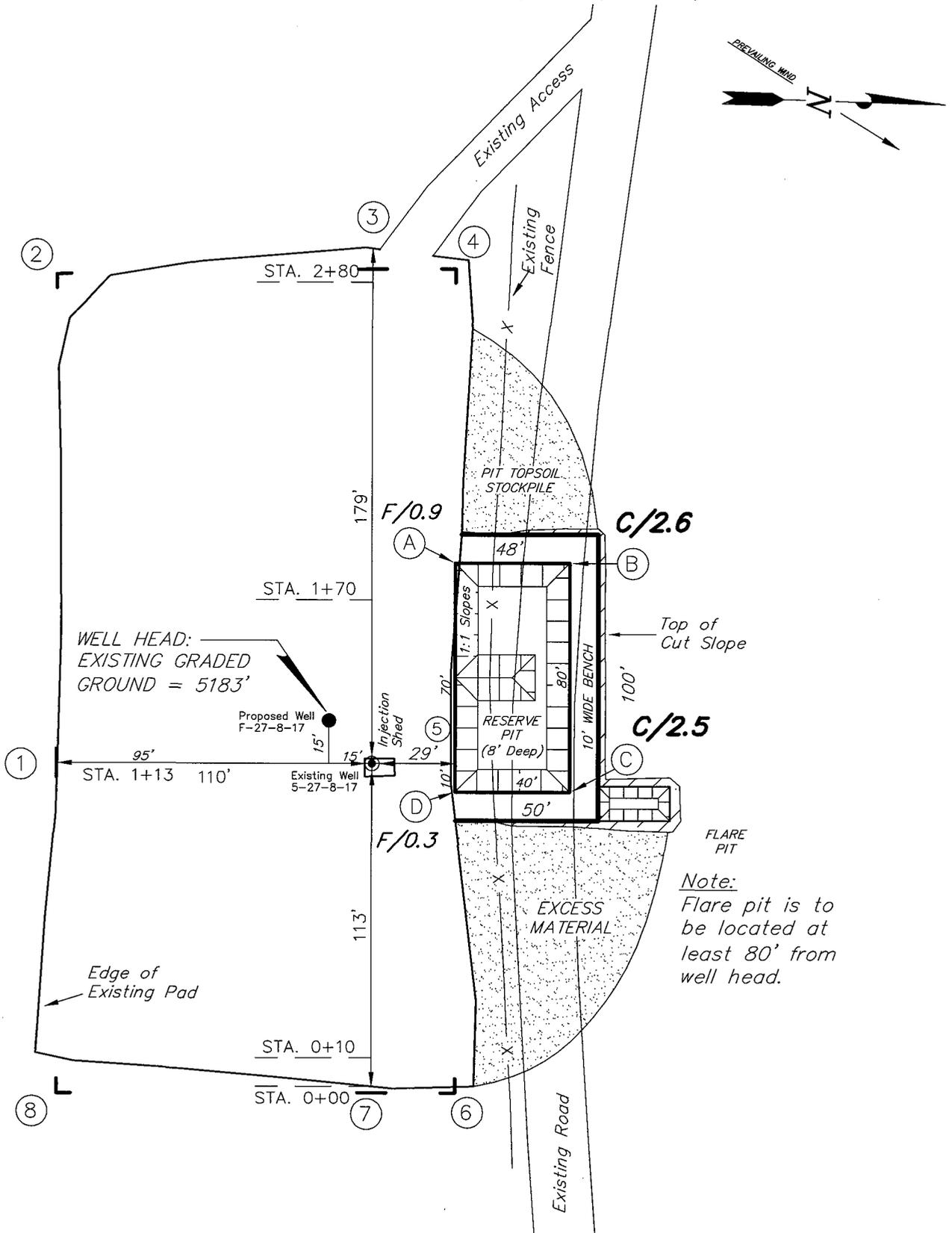
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY II F-27-8-17 (Proposed Well)

GREATER BOUNDARY II 5-27-8-17 (Existing Well)

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



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

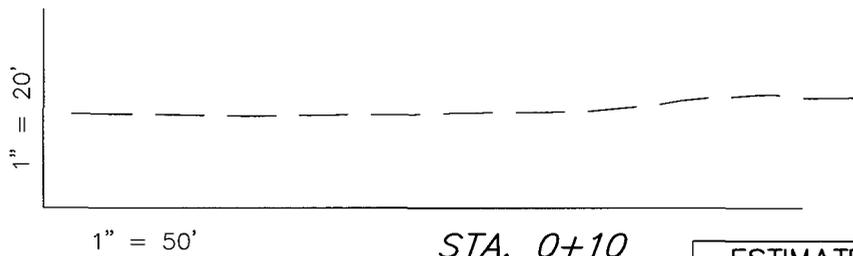
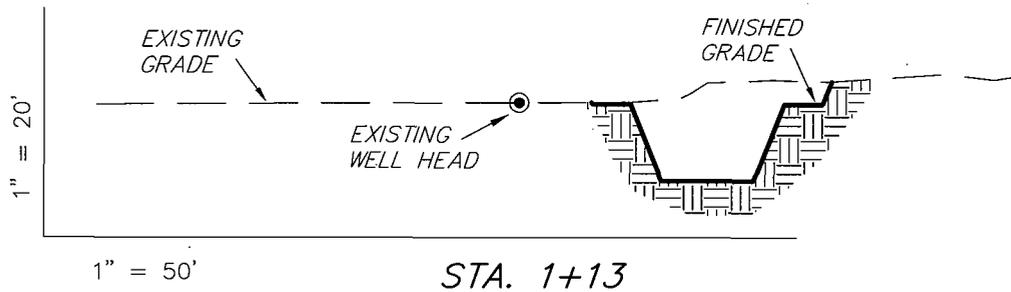
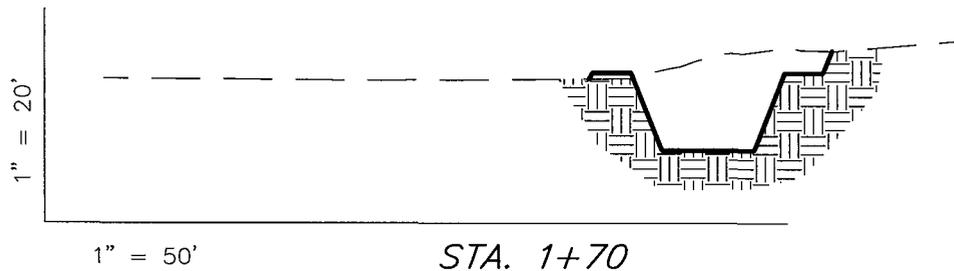
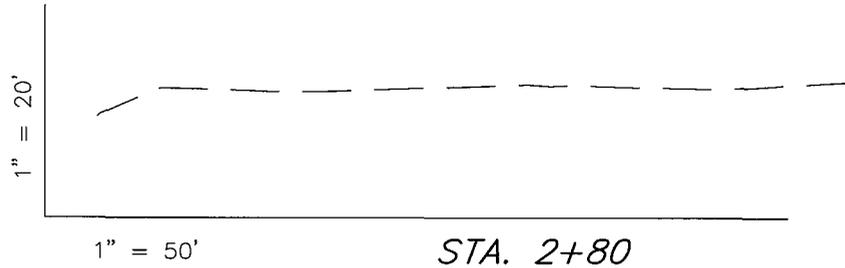
SURVEYED BY: T.H.	DATE SURVEYED: 04-30-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY II F-27-8-17 (Proposed Well)
 GREATER BOUNDARY II 5-27-8-17 (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	380	10	Topsoil is not included in Pad Cut	370
PIT	640	0		640
TOTALS	1,020	10	130	1,010

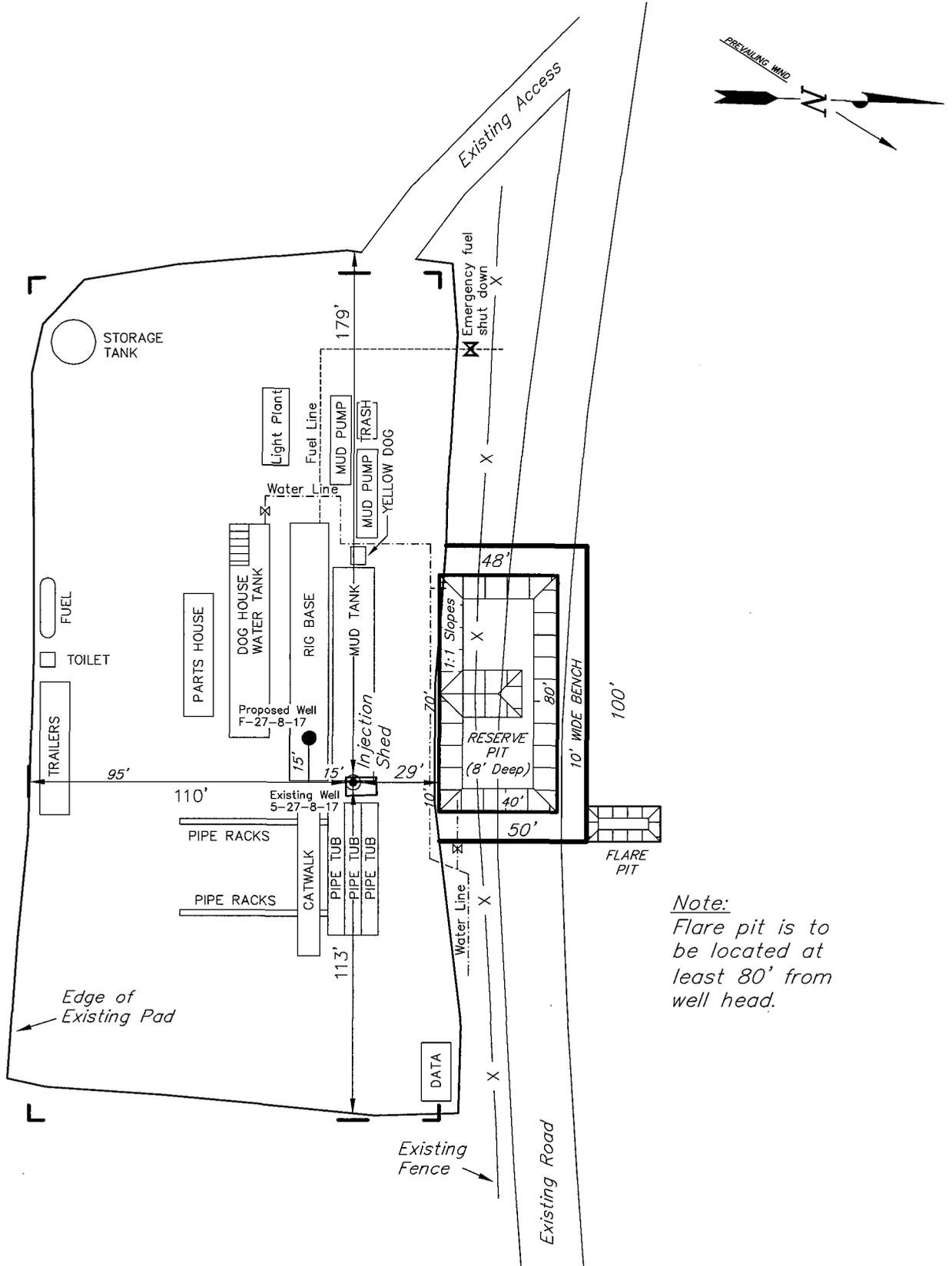
SURVEYED BY: T.H.	DATE SURVEYED: 04-30-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

GREATER BOUNDARY II F-27-8-17 (Proposed Well)
 GREATER BOUNDARY II 5-27-8-17 (Existing Well)



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

SURVEYED BY: T.H.	DATE SURVEYED: 04-30-08
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-08
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

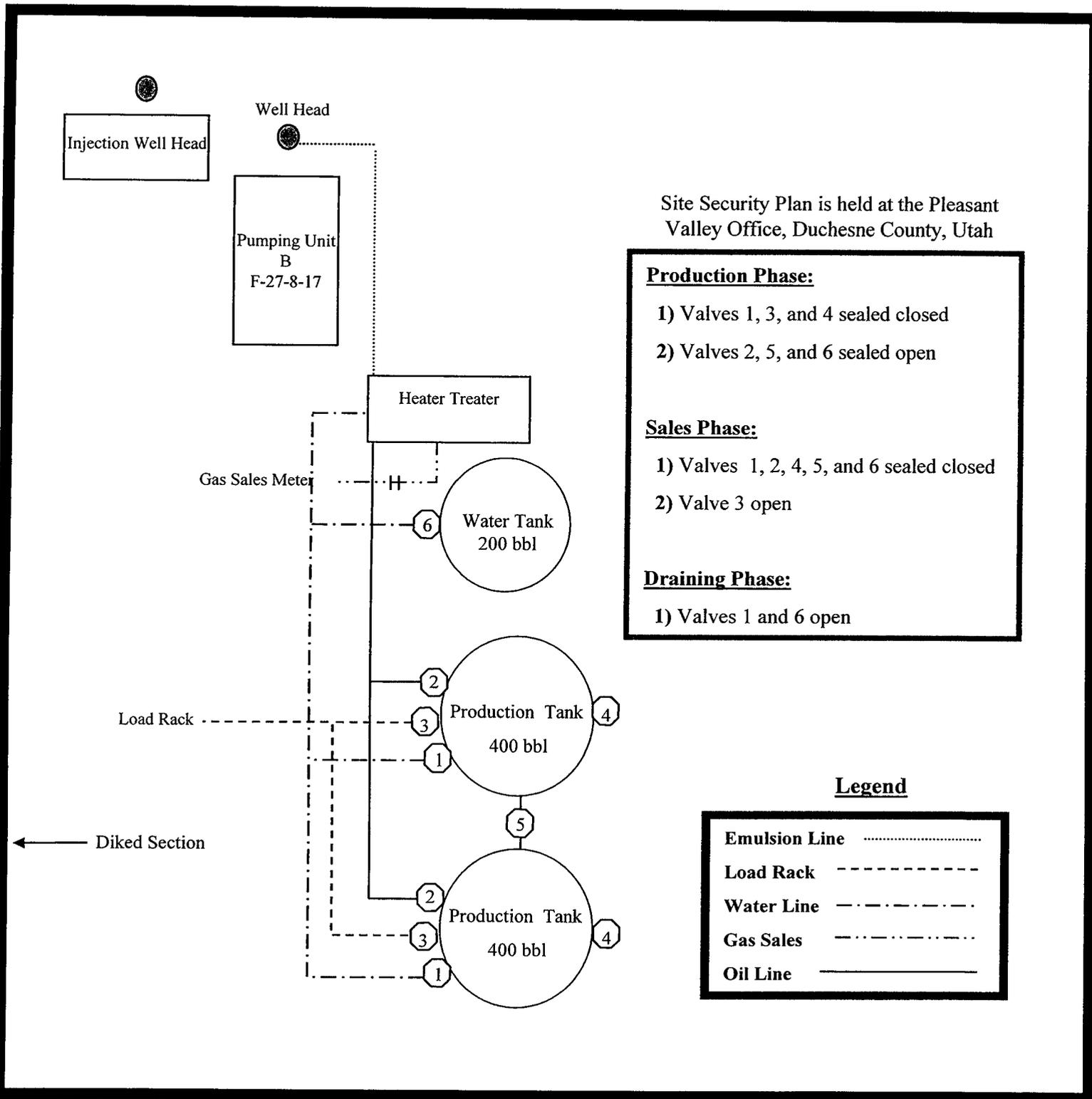
Greater Boundary II Federal F-27-8-17

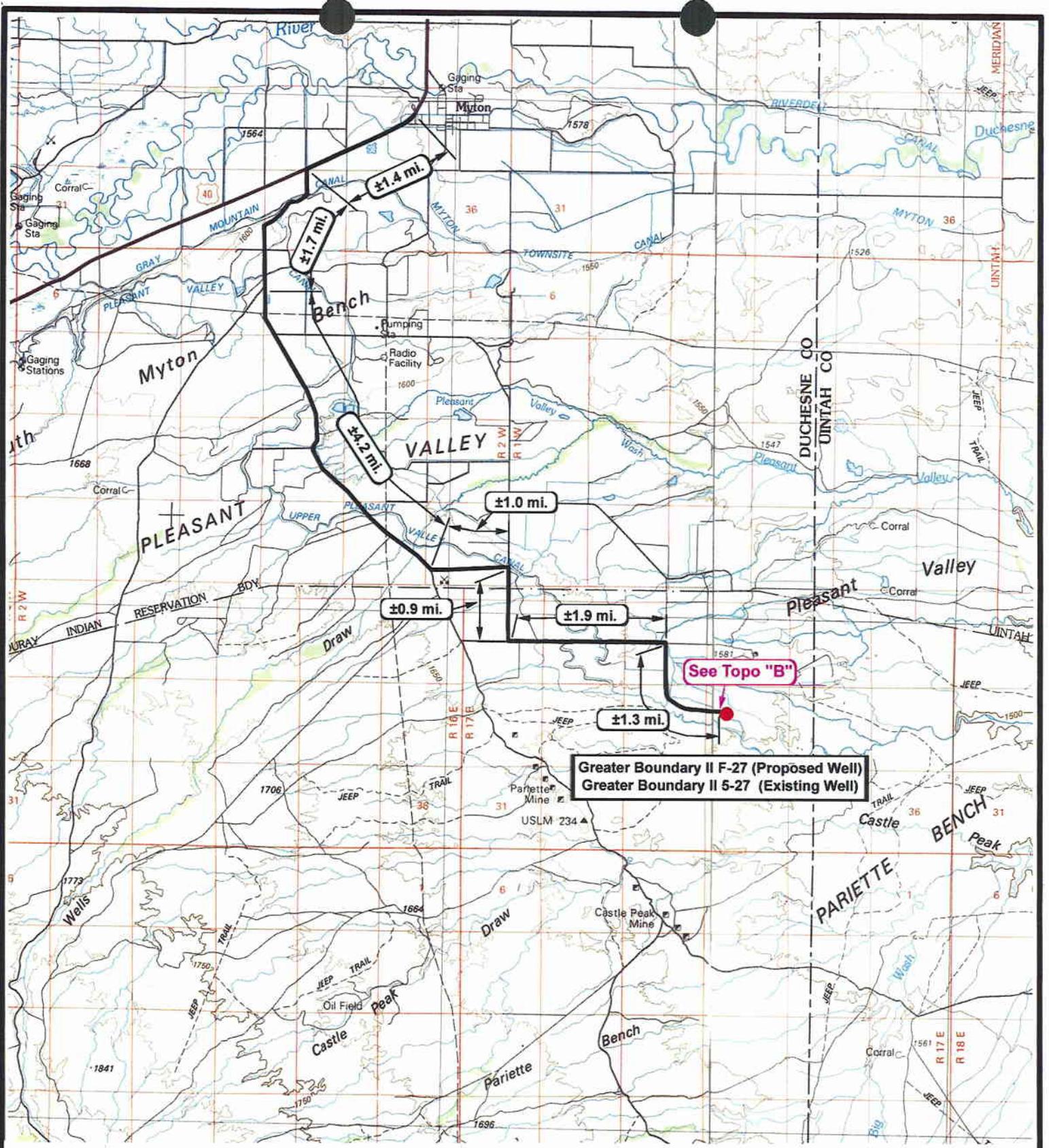
From the 5-27-8-17 Location

SW/NW Sec. 27 T8S, R17E

Duchesne County, Utah

UTU-76241





NEWFIELD
Exploration Company

Greater Boundary II F-27-8-17 (Proposed Well)
Greater Boundary II 5-27-8-17 (Existing Well)
Pad Location: SWNE Sec. 27, T8S, R17E, S.L.B.&M.



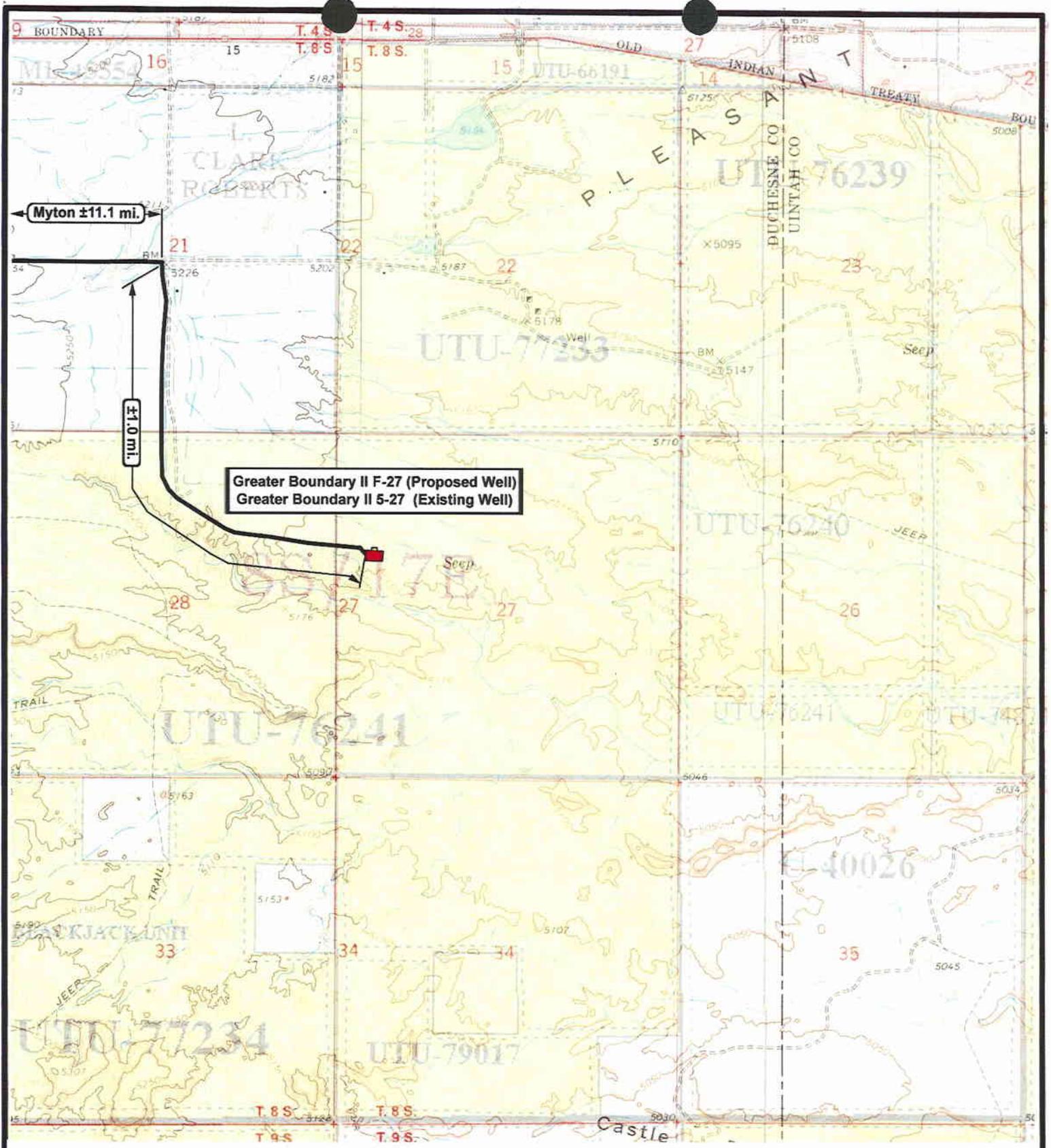
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000
DRAWN BY: nc
DATE: 05-02-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



Greater Boundary II F-27 (Proposed Well)
 Greater Boundary II 5-27 (Existing Well)

Myton ±11.1 mi.

±10.0 mi.

Legend

Existing Road

TOPOGRAPHIC MAP

"B"

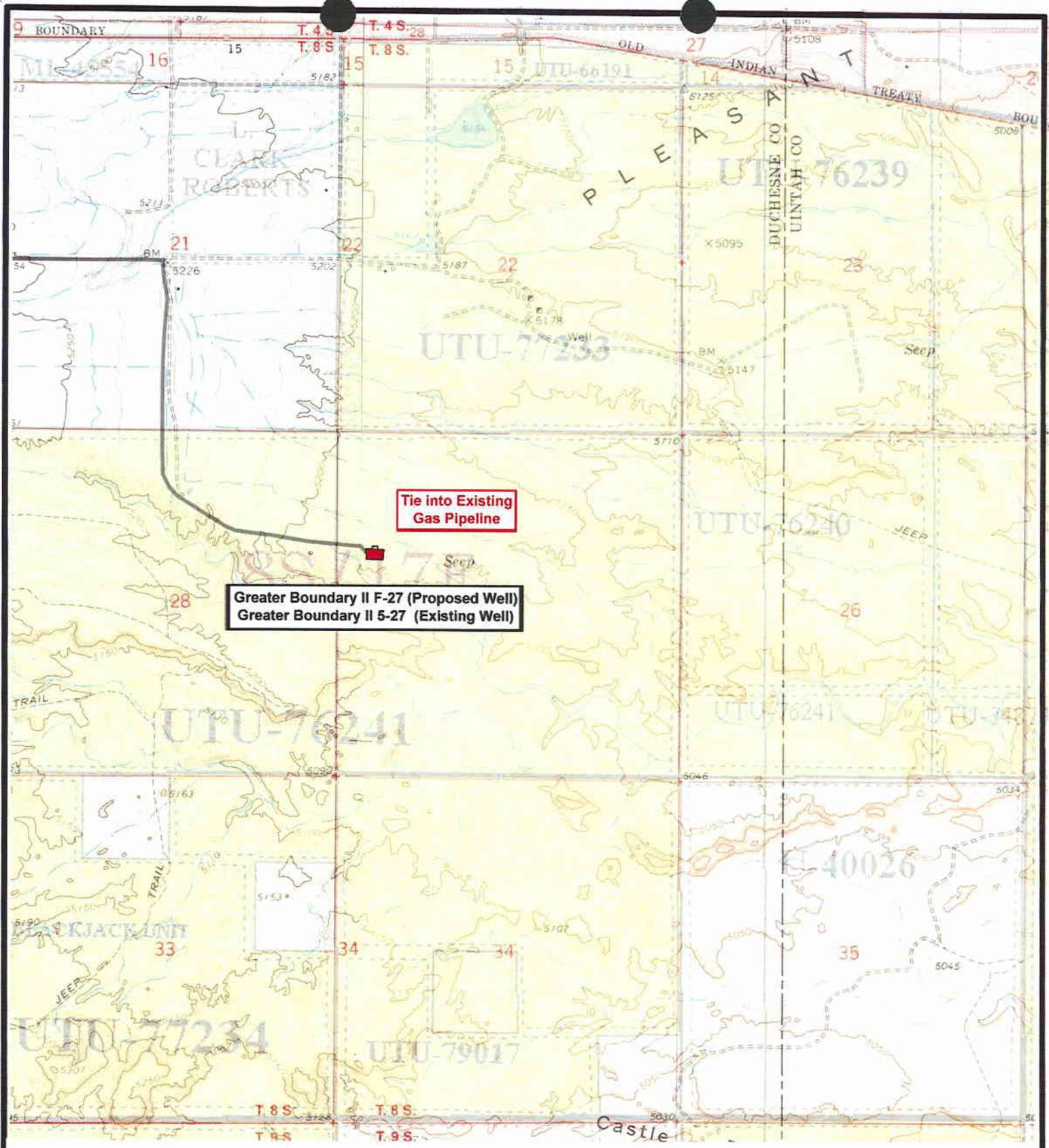
NEWFIELD
Exploration Company

Greater Boundary II F-27-8-17 (Proposed Well)
Greater Boundary II 5-27-8-17 (Existing Well)
 Pad Location: SWNE 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: nc
 DATE: 05-21-2008



Tie into Existing Gas Pipeline

Greater Boundary II F-27 (Proposed Well)
Greater Boundary II 5-27 (Existing Well)



NEWFIELD
 Exploration Company

Greater Boundary II F-27-8-17 (Proposed Well)
Greater Boundary II 5-27-8-17 (Existing Well)
 Pad Location: SWNE Sec. 27, T8S, R17E, S.L.B.&M.



Tri-State
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 180 North Vernal Ave. Vernal, Utah 84078

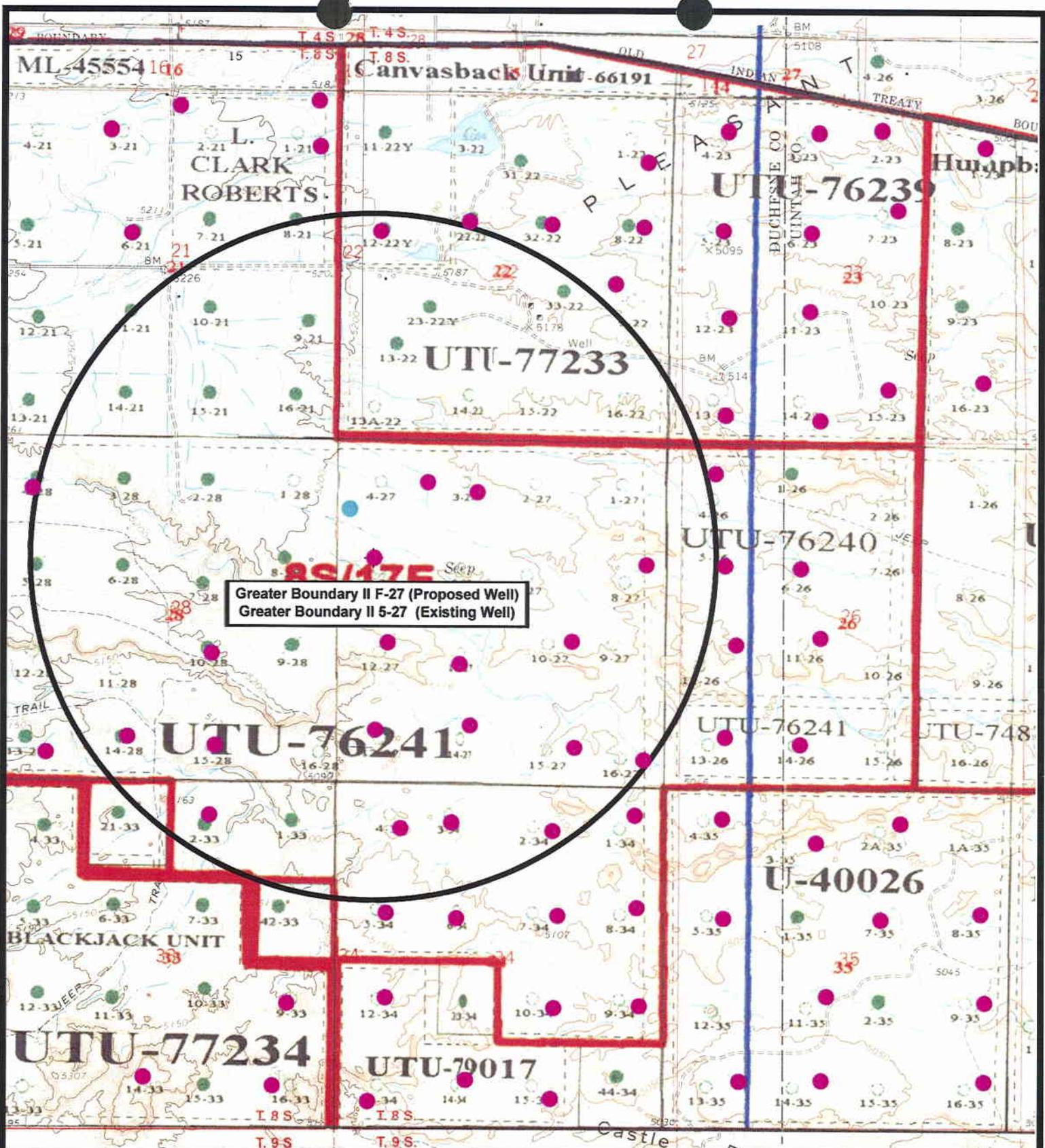
SCALE: 1" = 2,000'
 DRAWN BY: nc
 DATE: 05-21-2008

Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"





NEWFIELD
Exploration Company

Greater Boundary II F-27-8-17 (Proposed Well)
Greater Boundary II 5-27-8-17 (Existing Well)
 Pad Location: SWNW 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: nc
 DATE: 06-21-2008

Legend

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

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

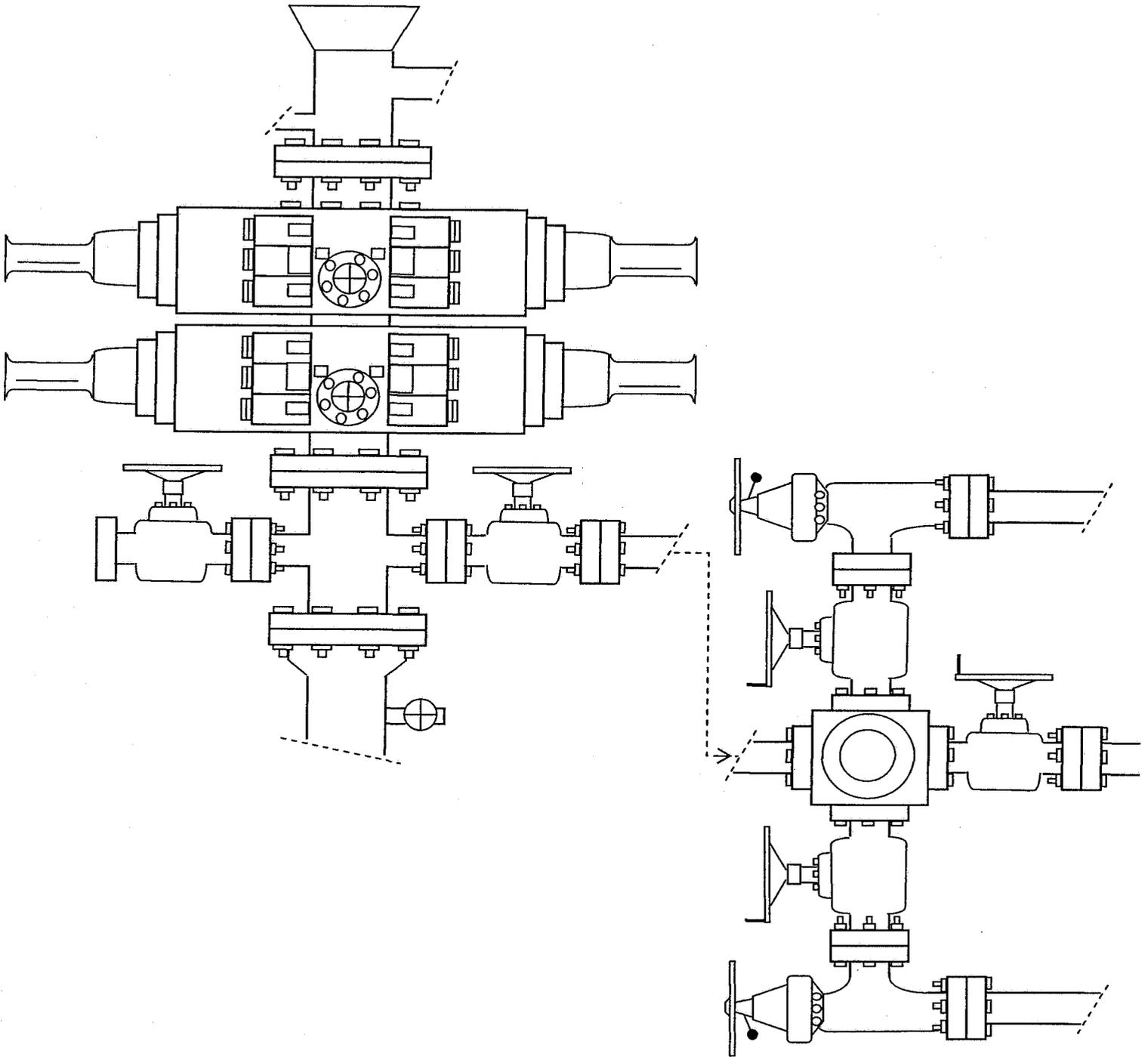


EXHIBIT C

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/22/2008

API NO. ASSIGNED: 43-013-34092

WELL NAME: GB II FED F-27-8-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SWNW 27 080S 170E
 SURFACE: 1840 FNL 0569 FWL
 BOTTOM: 1225 FNL 0235 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.09120 LONGITUDE: -109.9993
 UTM SURF EASTINGS: 585312 NORTHINGS: 4438149
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76241

PROPOSED FORMATION: GRRV

SURFACE OWNER: 4 - Fee

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. 43-7478)
- 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

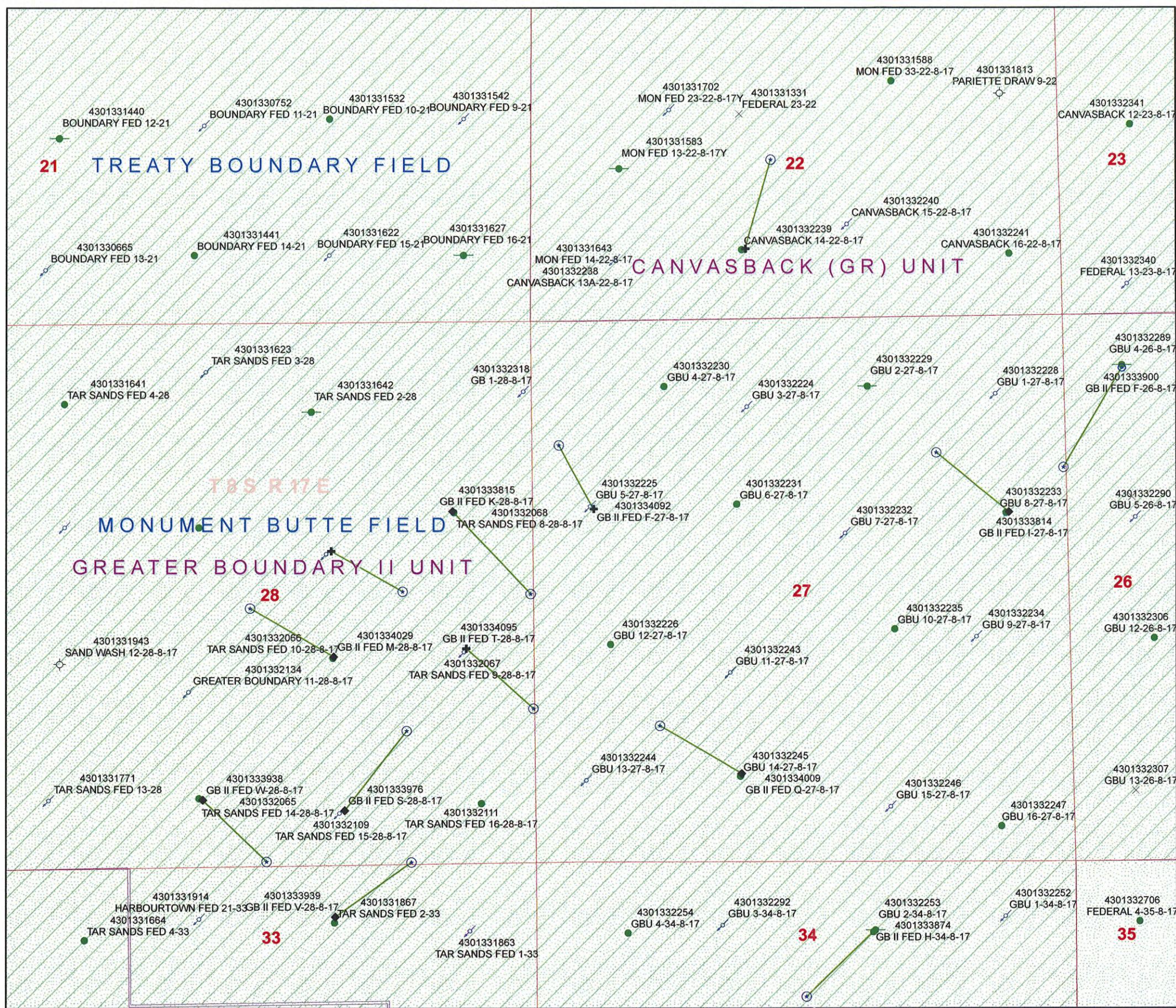
COMMENTS:

*Needs Permit (11-13-08)
 Sep, Separate File*

STIPULATIONS:

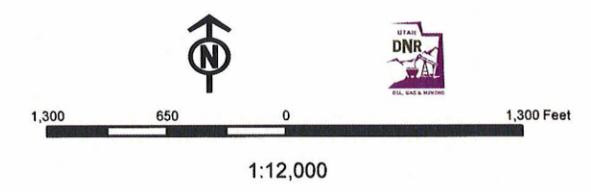
*1- Fedul Approval
 2- STATEMENT OF BASIS*

API Number: 4301334092
Well Name: GB II FED F-27-8-17
Township 08.0 S Range 17.0 E Section 27
Meridian: SLBM
 Operator: NEWFIELD PRODUCTION COMPANY



Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query Events
STATUS	✗ <all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERM	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



Application for Permit to Drill

Statement of Basis

12/11/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1060	43-013-34092-00-00		OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GB II FED F-27-8-17	Unit			
Field	UNDESIGNATED	Type of Work			
Location	SWNW 27 8S 17E S 1840 FNL 569 FWL GPS Coord (UTM) 585312E 4438149N				

Geologic Statement of Basis

The mineral lease for the proposed well is owned by the federal government. The BLM will be the agency responsible for evaluating and approving the proposed drilling, casing and cement programs.

Brad Hill
APD Evaluator

12/9/2008
Date / Time

Surface Statement of Basis

The proposed Greater Boundary II Federal F-27-8-17 oil well, is a directional well to be drilled from the existing pad of the Greater Boundary II Federal II 5-27-8-17 which is an existing water flood injection well. No additions are planned to the previous disturbance. The site appears to have been stable for drilling and operating the existing well. No problems are anticipated in adding an additional well to the pad. The surface is Private and the minerals are owned by the Federal Government and administered by the BLM.

A reserve pit 40' x 80' x 8' deep is planned. It will be within an area of cut. A 16-mil liner with an appropriate thickness of sub-felt to cushion the rocks is required. The pit will be located on the existing road north of the location. The road will be relocated through the location while the pit is open.

Nolan Giles who owns the surface stated that cattle will be in the area south of the road, which includes the well site, from February to April. If the well is drilled or the pit is open during this period, a fence will be needed fencing out the location. He had no other concerns regarding the well as planned.

Floyd Bartlett
Onsite Evaluator

11/13/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name CASTLE DRAW ST H-2-9-17
API Number 43-047-40411-0 **APD No** 1171 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 2 **Tw** 9S **Rng** 17E 810 FNL 2209 FWL
GPS Coord (UTM) 587440 4435268 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield Exploration Company), James Herford (BLM) and Cody Miller (Tri-State Land Surveying, Inc.)

Regional/Local Setting & Topography

The proposed Castle Draw State H-2-9-17 oil well is a directional well to be drilled from the existing pad of the Castle Draw 21-2-9-17 that is an active injection well. No additions are planned to the previous disturbance. The site appears to have been stable for drilling and operating the existing well. No problems are anticipated in adding an additional well to the pad.

A diversion ditch south of the pad needs to be reconstructed to divert overland flows to the west and north around the existing pad.

Both the surface and minerals are SITLA.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0	Width	Length		

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required Y

A diversion ditch south of the pad needs to be reconstructed to divert overland flows to the west and north around the

existing pad.

Berm Required?

Erosion Sedimentation Control Required? Y

A diversion ditch south of the pad needs to be reconstructed to divert overland flows to the west and north around the existing pad.

Paleo Survey Run?

Paleo Potential Observed?

Cultural Survey Run?

Cultural Resources?

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 25 1 **Sensitivity Level**

Characteristics / Requirements

A reserve pit 40' x 70' x 8' deep is planned on the south side of the location. It will be within an area of cut. A 16-mil liner with an appropriate thickness of sub-felt to cushion the rocks is required.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

Other Observations / Comments

Evaluator

11/12/2008

Date / Time

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 25, 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)		
43-013-34092	GB II Fed F-27-8-17 Sec 27 T08S R17E 1840 FNL 0569 FWL BHL Sec 27 T08S R17E 1225 FNL 0235 FWL	
43-013-34095	GB II Fed T-28-8-17 Sec 28 T08S R17E 2083 FSL 0685 FEL BHL Sec 28 T08S R17E 1490 FSL 0030 FEL	
43-013-34096	GB II Fed L-28-8-17 Sec 28 T08S R17E 2222 FNL 2001 FEL BHL Sec 28 T08S R17E 2645 FSL 1300 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



September 22, 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 F-27-8-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T8S R17E, Section 27: SWNW
1840' FNL 569' FWL
Bottom Hole: T8S R17E, Section 27
1225' FSL 235' FWL
Duchesne County, Utah

Dear Ms. Mason;

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

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

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

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

Sincerely,

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

Roxann Eveland
Land Associate

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

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

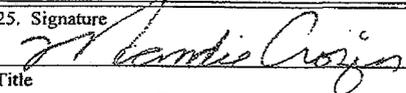
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76241
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 F-27-8-17
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 SW/NW 1840' FNL 569' FWL At proposed prod. zone 1225' FNL 235' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 12.1 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 27, T8S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1225' f/ise, 1225' f/unit	16. No. of Acres in lease 1880.00	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 20 Acres	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 918'	19. Proposed Depth 6510'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5183' GL	22. Approximate date work will start* 1st Quarter 2009	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 9/15/08
Title Regulatory Specialist		

Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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

*(Instructions on reverse)

RECEIVED

SEP 29 2008

DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY

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

Plastic Cap
LS #189377

N89°58'W - 80.00 (G.L.O.)

N89°50'19"W - 2644.36' (Meas.)

N89°56'35"W - 2631.45' (Meas.)

2648.78' (Meas.)
N00°15'39"E
Bottom of Hole

1225'
1840'

Top of Hole

569'
200'

DRILLING WINDOW

Fence Corner

1910 Brass Cap

N00°00'55"E - 2645.59' (Meas.)

1910 Brass Cap

N0°02'W - (G.L.O.)

1910 Brass Cap

27

**WELL LOCATION:
GREATER BOUNDARY II F-27-8-17**
ELEV. EXIST. GRADED GROUND = 5183'

N0°01'W - (G.L.O.)
N00°04'31"E - 2641.22' (Meas.)

1910 Brass Cap

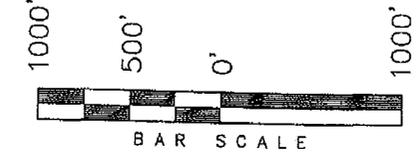
1910 Brass Cap

1910 Brass Cap

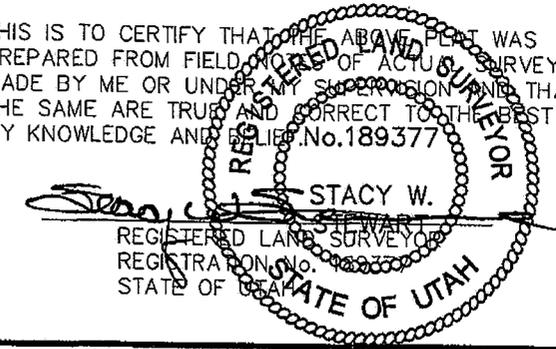
N89°59'W G.L.O. (Basis of Bearings)

N89°56'22"W - 2643.41' (Meas.)

2644.61' (Measured) N89°59'W - 80.02 (G.L.O.)



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: 04-30-08	SURVEYED BY: T.H.
DATE DRAWN: 05-15-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY II F-27-8-17
(Surface Location) NAD 83
LATITUDE = 40° 05' 28.22"
LONGITUDE = 110° 00' 00.06"

DIV. OF OIL, GAS & MINING

RECEIVED
SEP 29 2008



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

December 11, 2008

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

Re: Greater Boundary II Federal F-27-8-17 Well, Surface Location 1840' FNL, 569' FWL, SW NW, Sec. 27, T. 8 South, R. 17 East, Bottom Location 1225' FNL, 235' FWL, NW NW, 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 43-013-34092.

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 F-27-8-17

API Number: 43-013-34092

Lease: UTU-76241

Surface Location: SW NW **Sec.** 27 **T.** 8 South **R.** 17 East

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

RECEIVED
VERNAL FIELD OFFICE

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

2008 SEP 19 PM 1 02

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 F-27-8-17
9. API Well No.	43 013 34092
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
16. No. of Acres in lease	1880.00
17. Spacing Unit dedicated to this well	20 Acres
19. Proposed Depth	6510'
20. BLM/BIA Bond No. on file	WYB000493
22. Approximate date work will start*	1st Quarter 2009
23. Estimated duration	Approximately seven (7) days from spud to rig release.

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER
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
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 SW/NW 1840' FNL 569' FWL At proposed prod. zone 1225' FNL 235' FWL NWNW
14. Distance in miles and direction from nearest town or post office* Approximatley 12.1 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. 1225' f/ise, 1225' f/unit
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 918'
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5183' GL

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 9/15/08
Title Regulatory Specialist		

Approved by (Signature)	Name (Printed/Typed) Terry Newcilla	Date DEC 24 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)

NOS 8-7-08
AFMSS# 08PP0560A
UDOGM

NOTICE OF APPROVAL

RECEIVED
DEC 30 2008
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:** SWNW, Sec. 27, T8S, R17E (S)
 NWNW, Sec. 27, T8S, R17E (B)
Well No: Greater Boundary II Fed F-27-8-17 **Lease No:** UTU-76241
API No: 43-013-34092 **Agreement:** Greater Boundary II

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	

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:

None

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

SITE SPECIFIC DOWNHOLE COAs:

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

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (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 Exploration Rig
Name/# Ross #29 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
Well Name/Number Greater Boundary II Fed F-27-8-
17
Qtr/Qtr SW/NW Section 27 Township 8S
Range 17E
Lease Serial Number UTU
76241
API Number 43-013-
34092

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

Date/Time 2/2/09 9:00 AM PM

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

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

Date/Time 2/2/09 3:00 AM PM

BOPE

Initial BOPE test at surface casing point

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

Date/Time 1/23/09 9:00 AM
PM

Remarks Ross Rig # 29 spud the Greater Boundary II Federal F-
27-8-17 on 2/2/09 @ 9:00 AM & Run casing around 3:00 PM
2/2/09.

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3830
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	4301333814	GREATER BOUNDARY FEDERAL I-27-8-17	SENE	27	8S	17E	DUCHESNE	2/3/2009	2/10/09
WELL COMMENTS: <i>GRUV BHL = SENE</i>											
A	99999	17280	4304740367	OSMOND-MEYER 1-33-4-1E	NENE	33	4S	1E	UINTAH	2/3/2009	2/10/09
WELL COMMENTS: <i>GRUV</i>											
B	99999	12391	4301334092	GREATER BOUNDARY FEDERAL F-27-8-17	<i>SWNW</i> NWNW	27	8S	17E	DUCHESNE	2/2/2009	2/10/09
WELL COMMENTS: <i>GRUV BHL = NWNW</i>											
B	99999	12391	4301333135	GREATER BOUNDARY FEDERAL 16-20-8-17	SESE	20	8S	17E	DUCHESNE	2/5/2009	2/10/09
WELL COMMENTS: <i>GRUV</i>											
WELL 5 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - new entry for new well (single well only)
 - B - well to existing entry (group or unit well)
 - C - from one existing entry to another existing entry
 - D - well from one existing entry to a new entry
 - E - Per (explain in comments section)

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

[Signature]
 Signature _____ Jentri Park
 Production Clerk
 Date 02/06/09

RECEIVED
 FEB 09 2009
 DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Section 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.
 GRTR BNDRY II F-27-8-17

9. API Well No.
 4301334092

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 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 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 2/2/09 MIRU Ross Rig # 29. Spud well @ 9:00 AM. Drill 334' of 12 1/4" hole with air mist hit water @ 200' & 100gpm. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 335.97 KB On 2/6/09 cement with 200 sks of class "G" w/ 2% CaCL2 + 1/2# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 0 bbls cement to pit. Cement was 25' down. Come back on 2/9/09 run 25' of 1" pipe in hole & pumped 150 sks Class " G " neat cement no returns to pit waited 2 hrs on Cement was 25' down returned on 2/10/09 run 25' of 1" Pumped 50 sks of class G neat cement 15.8 ppg - 1.15 yield W/ 3% CaCl2, Waited 2 hrs on cement. Run 22' of 1" back in hole and pumped 50 sks of class " G " neat cement w/ 3% CaCL2. We did not get cement to surface. Waited 2hrs & run 18' of 1" & Pump 34 sks of Class G w/3% CaCL2 & returned 2 bbls of cement back to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature 	Date 02/13/2009

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 18 2009

Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory
3401 W. Admiral Doyal Dr.
New Iberia, LA 70560



Water Analysis Report

Production Company: **NEWFIELD EXPLORATION (125)**
Well Name: **GB 2 Fed F-27-8-17**
Sample Point: **200'**
Sample Date: **2 / 8 / 2009**
Sales Rep: **Randy Huber**
Lab Tech: **Daniel Mire**

Sample ID: **WA-21256**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	2/8/2009	Cations		Anions	
Temperature (°F):	80	Calcium (Ca):	240.00	Chloride (Cl):	1000.00
Sample Pressure (psig):		Magnesium (Mg):	12.20	Sulfate (SO ₄):	1583.00
Specific Gravity (g/cm ³):	1.0003	Barium (Ba):	1.00	Dissolved CO ₂ :	-
pH:	6.2	Strontium (Sr):	-	Bicarbonate (HCO ₃):	366.00
Turbidity (NTU):	-	Sodium (Na):	1241.00	Carbonate (CO ₃):	-
		Potassium (K):	-	H ₂ S:	-
		Iron (Fe):	5.00	Phosphate (PO ₄):	-
Calculated T.D.S. (mg/L)	4449	Manganese (Mn):	0.50	Silica (SiO ₂):	-
Molar Conductivity (µS/cm):	6740	Lithium (Li):	-	Fluoride (F):	-
Resistivity (Mohm):	1.4837	Aluminum (Al):	-	Nitrate (NO ₃):	-
		Ammonia NH ₃ :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO ₃		Gypsum CaSO ₄ · 2H ₂ O		Calcium Sulfate CaSO ₄		Strontium Sulfate SrSO ₄		Barium Sulfate BaSO ₄		Calcium Scale psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
80		0.07	-0.56	0.35	-695.94	0.22	-1057.80	-	-	92.32	1.68	4.16
80	0	0.07	-0.56	0.35	-9.10	0.22	-1057.80	-	-	92.32	1.68	1.47
100	0	0.10	-0.47	0.34	-7.28	0.24	-940.93	-	-	61.40	1.67	1.91
120	0	0.13	-0.40	0.39	-5.98	0.28	-768.81	-	-	41.80	1.66	2.20
140	0	0.17	-0.35	0.44	-5.03	0.36	-569.34	-	-	29.06	1.64	2.55
160	0	0.21	-0.30	0.50	-4.33	0.48	-366.14	-	-	20.58	1.62	2.95
180	0	0.26	-0.26	0.56	-3.81	0.67	-176.89	-	-	14.82	1.58	3.32
200	0	0.32	-0.22	0.62	-3.42	0.97	-13.11	-	-	10.82	1.54	3.44
220	2.51	0.37	-0.20	0.67	-3.15	1.44	117.27	-	-	7.88	1.48	3.57
240	10.3	0.43	-0.17	0.72	-2.92	2.22	218.92	-	-	5.89	1.41	3.71
260	20.76	0.49	-0.15	0.76	-2.74	3.51	291.01	-	-	4.44	1.32	3.85
280	34.54	0.55	-0.13	0.81	-2.61	5.68	338.62	-	-	3.38	1.20	4.00
300	52.34	0.61	-0.11	0.84	-2.51	9.36	367.89	-	-	2.59	1.04	4.16

Conclusions:

Calcium Carbonate Scaling Index is negative from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate scale is indicated. See graph for appropriate temperature ranges.
Strontium Sulfate scaling was not evaluated
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

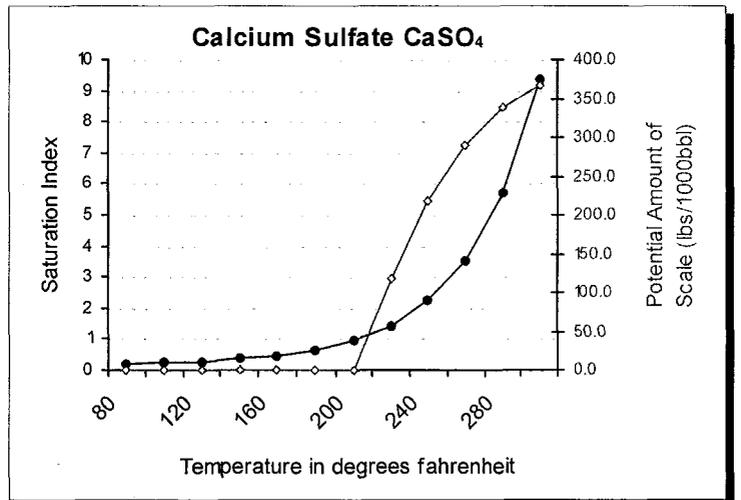
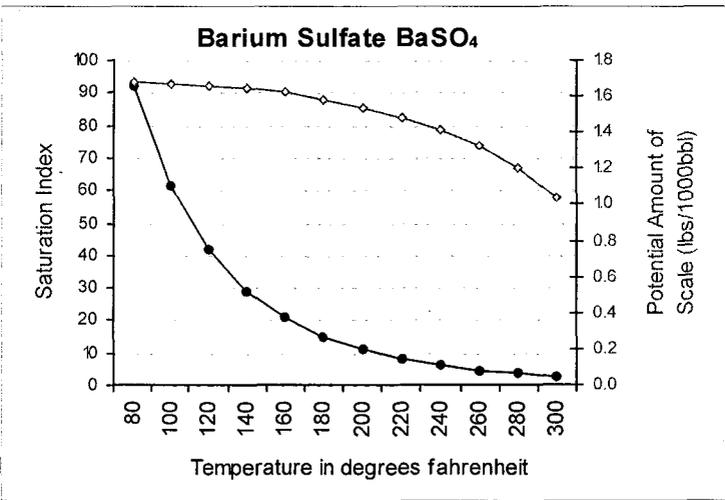
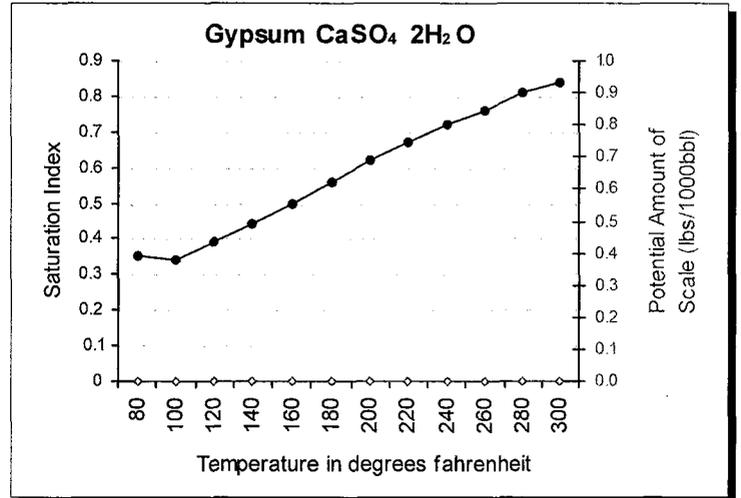
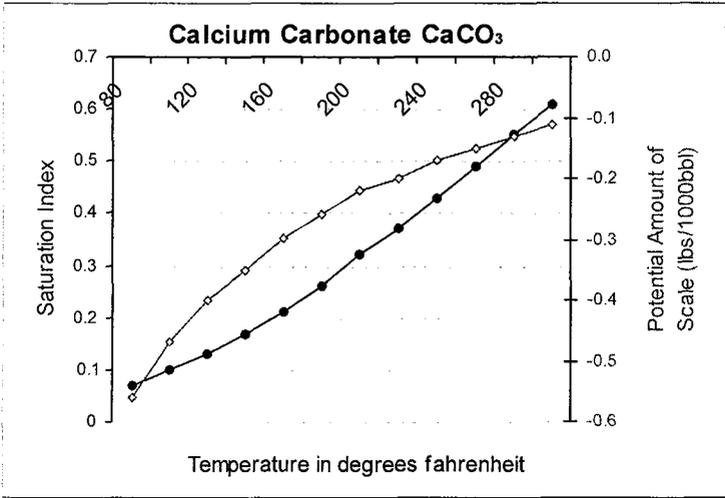
Notes:



Scale Prediction Graphs

Well Name: **GB 2 Fed F-27-8-17**

Sample ID: **WA-21256**



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Section 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.
 GRTR BNDRY II F-27-8-17

9. API Well No.
 4301334092

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 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 2/12/09 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 6540'. 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, 165 jt's of 5.5 J-55, 15.5# csgn. Set @ 6536.99'/ KB. Cement with 260 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 20 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 86,000 #'s tension. Release rig @ 2:30 pm 2/20/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 02/21/2009

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
MAR 02 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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:
GREATER BOUNDARY II

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
GRTR BNDRY II F-27-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301334092

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: , 27, T8S, R17E

STATE: UT

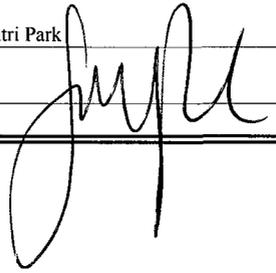
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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: 05/08/2009	<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.

Status report for time period 03-16-09/03-27-09

Subject well had completion procedures initiated in the Green River formation on 03-16-09 without the use of a service rig over the well. A cement bond log was run and a total of seven Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (6146'-6156') (6086'-6094')(ALL 4 JSPF); #2 (6005'-6011') (ALL 4 JSPF) #3 (5813'-5825') (5798'-5806') (ALL 4 JSPF); #4 (5635'-5648')(ALL 4 JSPF); #5 (5317'-5331') (4 JSPF). #6 (5139'-5145;) (4 JSPF). #7 (4697'-4704') (4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 03-20-09. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6515'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 6226. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 03-27-09.

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech
SIGNATURE  DATE 05/08/2009

(This space for State use only)

RECEIVED

MAY 12 2009

DIV. OF OIL, GAS & MINING

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-76241

6. If Indian, Allottee or Tribe Name
NA

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

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

9. AFI Well No.
43-013-34092

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)*
5183' GL 5195' KB

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
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 1840' FNL & 569' FWL (SW/NW) SEC. 27, T8S, R17E
At top prod. interval reported below BHL: 1225' FNL & 235' FWL (NW/NW)
At total depth ~~6540'~~ 1130 Fnl 125 Fwl per HSM review

14. Date Spudded
02/02/2009

15. Date T.D. Reached
02/19/2009

16. Date Completed 03/26/2009
 D & A Ready to Prod.

18. Total Depth: MD 6540'
TVD 6472'

19. Plug Back T.D.: MD 6515'
TVD 6449'

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 Cemen- ter Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		336'		200 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6537'		260 PRIMLITE		76'	
						425 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@ 6226'	TA @ 6132'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			(CP3)6146-56(CP2)6086-9	.49"	4	72
B) GREEN RIVER			(CP.5) 6005-6011'	.49"	4	24
C) GREEN RIVER			(LODC)5813-25,5798-06'	.49"	4	80
D) GREEN RIVER			(A3) 5635-5648'	.49"	4	52

26. Perforation Record 4697

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

Depth Interval	Amount and Type of Material
6086-6094'	Frac w/ 40800# of 20/40 snd 460 bbls fluid
6005-6011'	Frac w/15273# 20/40 snd 311 bbls fluid
5798-5825'	Frac w/ 95885# 20/40 snd 751 bbls fluid
5635-5648'	Frac w/ 45614# 20/40 snd 471 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
3/27/09	03/31/09	24	→	43	26	26			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	
			→						

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4122' 4314'
				GARDEN GULCH 2 POINT 3	4433' 4713'
				X MRKR Y MRKR	4942' 4986'
				DOUGALS CREEK MRK BI CARBONATE MRK	5119' 5375'
				B LIMESTON MRK CASTLE PEAK	5524' 5986'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	6405' 6533'

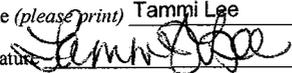
32. Additional remarks (include plugging procedure):

(C) 5317-31' .49" 4/56 5317-5331' Frac w/ 45614#'s of 20/40 sand in 471 bbls of fluid
 (A1) 5139-45' .49" 4/24 5139-5145' Frac w/ 50944#'s of 20/40 sand in 469 bbls of fluid
 (GB6) 4697-4704' .49" 4/28 4697-4704' Frac w/ 28418#'s of 20/40 sand in 356 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 04/01/2009

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.

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 27 T8S, R17E
F-27-8-17**

Wellbore #1

Survey: Survey #1

Standard Survey Report

20 February, 2009

HATHAWAY  BURNHAM
 DIRECTIONAL & MWD SERVICES 

NEWFIELD



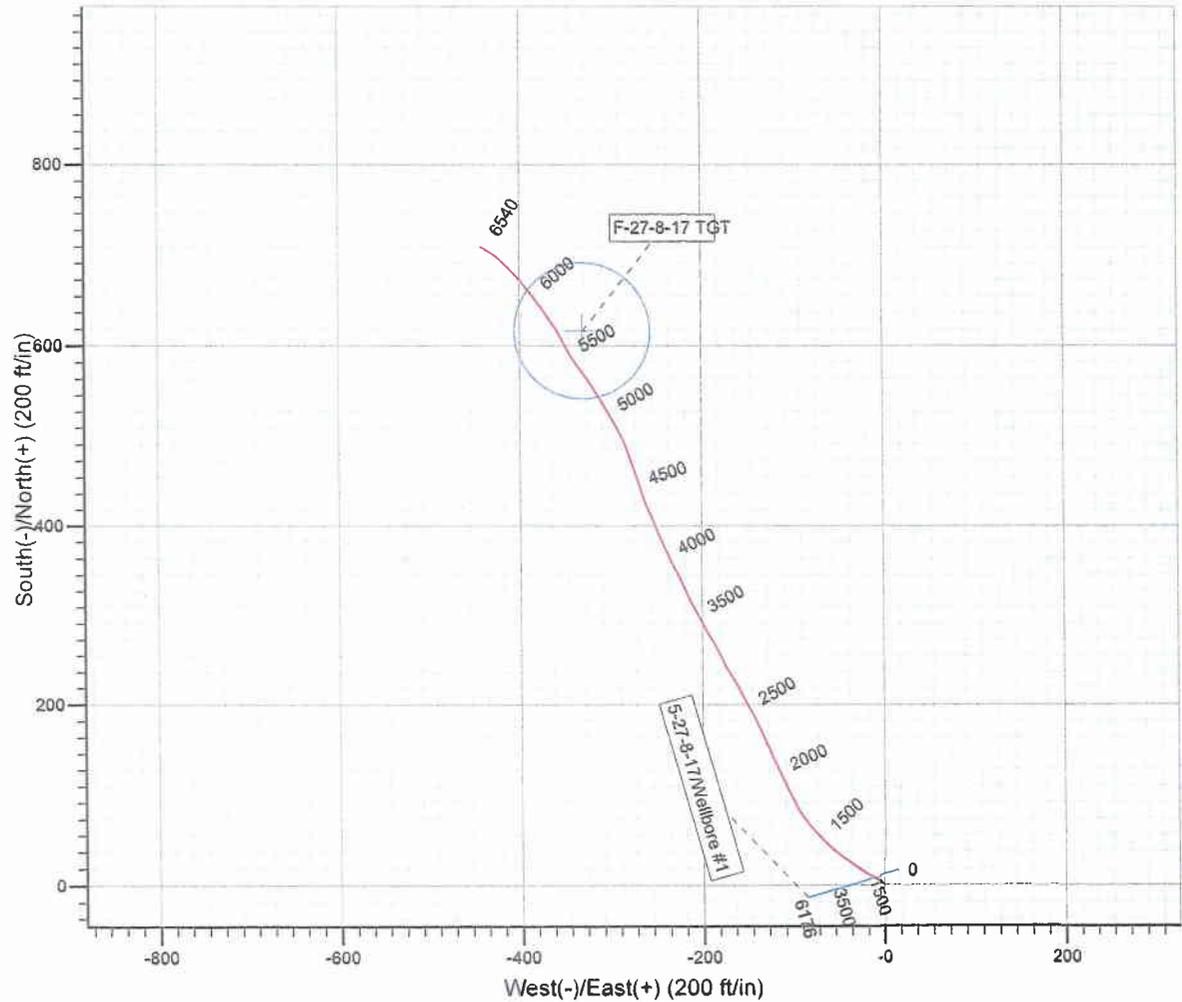
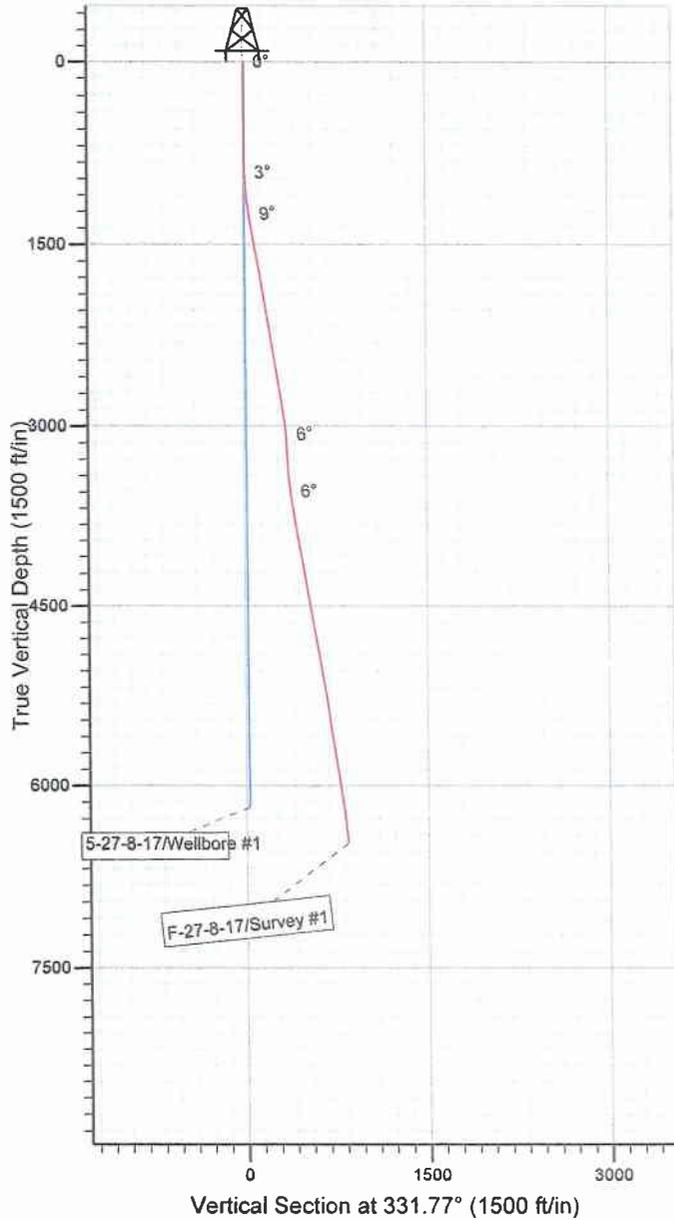
Project: USGS Myton SW (UT)
 Site: SECTION 27 T8S, R17E
 Well: F-27-8-17
 Wellbore: Wellbore #1
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.58°

Magnetic Field
 Strength: 52566.7snT
 Dip Angle: 65.91°
 Date: 2009/02/09
 Model: IGRF200510



Survey: Survey #1 (F-27-8-17/Wellbore #1)

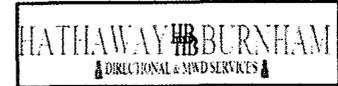
Created By: *Jim Hudson* Date: 8:39, February 20 2009

THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD
 DATA.



Hathaway Burnham

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27 T8S, R17E
Well: F-27-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well F-27-8-17
TVD Reference: F-27-8-17 @ 5195.00ft (NEWFIELD)
MD Reference: F-27-8-17 @ 5195.00ft (NEWFIELD)
North Reference: True
Survey Calculation Method: Minimum Curvature
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 27 T8S, R17E		
Site Position:		Northing:	7,205,000.00ft
From:	Lat/Long	Easting:	2,062,000.00ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40.089840
		Longitude:	-109.993036
		Grid Convergence:	0.97 °

Well	F-27-8-17, SHL LAT: 40 05 28.22, LONG: -110 00 00.06		
Well Position	+N/-S	0.00 ft	Northing: 7,205,452.20 ft
	+E/-W	0.00 ft	Easting: 2,060,039.13 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40.091172
		Longitude:	-110.000017
		Ground Level:	0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/02/09	11.58	65.91	52,567

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	331.77

Survey Program	Date	2009/02/20		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
420.00	6,540.00	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
420.00	0.55	291.58	419.99	0.74	-1.87	1.54	0.13	0.13	0.00
450.00	0.53	289.51	449.99	0.84	-2.14	1.75	0.09	-0.07	-6.90
481.00	0.59	290.57	480.99	0.94	-2.42	1.98	0.20	0.19	3.42
511.00	0.59	291.34	510.99	1.06	-2.71	2.21	0.03	0.00	2.57
541.00	0.60	288.16	540.99	1.16	-3.01	2.44	0.11	0.03	-10.60
603.00	0.70	289.56	602.98	1.39	-3.67	2.96	0.16	0.16	2.26
634.00	0.64	291.84	633.98	1.52	-4.01	3.23	0.21	-0.19	7.35
664.00	0.26	240.01	663.98	1.54	-4.22	3.36	1.74	-1.27	-172.77
694.00	0.24	127.31	693.98	1.47	-4.23	3.30	1.39	-0.07	-375.67
724.00	0.15	13.54	723.98	1.47	-4.17	3.27	1.10	-0.30	-379.23
753.00	0.62	337.10	752.98	1.65	-4.23	3.46	1.75	1.62	-125.66
783.00	1.16	323.00	782.98	2.05	-4.47	3.92	1.93	1.80	-47.00



Hathaway Burnham

Survey Report



Company: NEWFIELD EXPLORATION
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Site: SECTION 27 T8S, R17E
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Design: Wellbore #1

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MD Reference: F-27-8-17 @ 5195.00ft (NEWFIELD)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

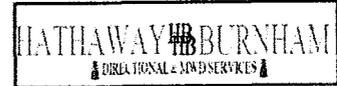
Survey

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)
813.00	1.87	312.06	812.97	2.62	-5.02	4.68	2.54	2.37	-36.47
843.00	2.42	307.71	842.94	3.33	-5.88	5.72	1.91	1.83	-14.50
873.00	2.95	304.65	872.91	4.16	-7.02	6.98	1.83	1.77	-10.20
906.00	3.52	303.64	905.86	5.20	-8.56	8.63	1.74	1.73	-3.06
937.00	4.02	302.00	936.79	6.30	-10.27	10.42	1.65	1.61	-5.29
970.00	4.55	302.34	969.70	7.62	-12.36	12.56	1.61	1.61	1.03
1,001.00	5.05	301.53	1,000.59	8.99	-14.56	14.81	1.63	1.61	-2.61
1,033.00	5.67	300.28	1,032.45	10.52	-17.13	17.37	1.97	1.94	-3.91
1,065.00	6.15	300.56	1,064.28	12.19	-19.97	20.19	1.50	1.50	0.87
1,096.00	6.75	301.66	1,095.08	13.99	-22.95	23.18	1.98	1.94	3.55
1,128.00	7.13	302.75	1,126.85	16.05	-26.22	26.55	1.26	1.19	3.41
1,159.00	7.84	303.22	1,157.58	18.25	-29.61	30.09	2.30	2.29	1.52
1,190.00	8.48	304.10	1,188.27	20.69	-33.27	33.97	2.10	2.06	2.84
1,223.00	8.88	303.71	1,220.89	23.47	-37.40	38.37	1.23	1.21	-1.18
1,255.00	9.25	305.30	1,252.49	26.33	-41.56	42.85	1.40	1.16	4.97
1,350.00	10.15	310.74	1,346.14	36.20	-54.13	57.50	1.35	0.95	5.73
1,445.00	10.55	313.81	1,439.59	47.69	-66.75	73.59	0.72	0.42	3.23
1,540.00	10.74	319.11	1,532.96	60.40	-78.82	90.50	1.05	0.20	5.58
1,636.00	10.85	325.44	1,627.26	74.60	-89.80	108.21	1.24	0.11	6.59
1,731.00	10.22	332.91	1,720.66	89.47	-98.71	125.52	1.58	-0.66	7.86
1,826.00	9.96	336.36	1,814.20	104.50	-105.85	142.14	0.69	-0.27	3.63
1,921.00	9.43	333.61	1,907.84	119.00	-112.60	158.10	0.74	-0.56	-2.89
2,016.00	9.32	336.38	2,001.57	133.02	-119.14	173.55	0.49	-0.12	2.92
2,111.00	9.12	335.08	2,095.34	146.89	-125.39	188.73	0.30	-0.21	-1.37
2,206.00	9.12	336.60	2,189.14	160.63	-131.56	203.75	0.25	0.00	1.60
2,302.00	8.77	335.41	2,283.98	174.27	-137.62	218.64	0.41	-0.36	-1.24
2,397.00	9.12	332.78	2,377.82	187.55	-144.08	233.39	0.57	0.37	-2.77
2,492.00	9.21	331.88	2,471.61	200.95	-151.11	248.52	0.18	0.09	-0.95
2,587.00	10.42	331.61	2,565.22	215.21	-158.78	264.72	1.27	1.27	-0.28
2,681.00	8.90	328.21	2,657.88	228.87	-166.65	280.48	1.73	-1.62	-3.62
2,777.00	8.99	332.58	2,752.71	241.84	-174.02	295.39	0.71	0.09	4.55
2,872.00	9.14	335.10	2,846.53	255.27	-180.61	310.34	0.45	0.16	2.65
2,967.00	8.68	331.48	2,940.38	268.42	-187.21	325.04	0.76	-0.48	-3.81
3,063.00	6.26	328.03	3,035.56	279.22	-193.44	337.51	2.56	-2.52	-3.59
3,158.00	3.71	328.43	3,130.19	286.24	-197.79	345.75	2.68	-2.68	0.42
3,257.00	1.80	341.46	3,229.08	290.44	-199.97	350.48	2.02	-1.93	13.16
3,353.00	3.47	333.94	3,324.97	294.48	-201.72	354.87	1.77	1.74	-7.83
3,448.00	5.56	330.69	3,419.67	301.08	-205.24	362.35	2.22	2.20	-3.42
3,543.00	5.90	332.21	3,514.20	309.41	-209.77	371.83	0.39	0.36	1.60
3,638.00	7.76	336.31	3,608.52	319.60	-214.62	383.11	2.02	1.96	4.32
3,733.00	8.81	337.13	3,702.53	332.18	-220.03	396.74	1.11	1.11	0.86
3,828.00	9.14	331.50	3,796.36	345.51	-226.45	411.53	0.99	0.35	-5.93
3,923.00	9.69	334.01	3,890.08	359.33	-233.56	427.07	0.72	0.58	2.64
4,018.00	10.52	335.30	3,983.61	374.40	-240.68	443.71	0.91	0.87	1.36
4,112.00	10.22	338.88	4,076.08	389.97	-247.28	460.55	0.76	-0.32	3.81
4,207.00	10.35	337.54	4,169.55	405.72	-253.57	477.41	0.29	0.14	-1.41
4,303.00	9.54	337.19	4,264.11	421.02	-259.95	493.91	0.85	-0.84	-0.36
4,397.00	9.84	341.24	4,356.77	435.81	-265.55	509.58	0.79	0.32	4.31
4,492.00	10.66	342.71	4,450.25	451.89	-270.78	526.22	0.91	0.86	1.55
4,587.00	9.91	340.44	4,543.72	467.98	-276.12	542.93	0.90	-0.79	-2.39
4,686.00	9.40	340.12	4,641.32	483.61	-281.73	559.35	0.52	-0.52	-0.32
4,781.00	10.04	334.03	4,734.96	498.35	-287.99	575.30	1.27	0.67	-6.41
4,876.00	9.65	329.48	4,828.56	512.66	-295.66	591.53	0.92	-0.41	-4.79
4,966.00	8.83	330.54	4,917.39	525.17	-302.89	605.97	0.93	-0.91	1.18



Hathaway Burnham

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 27 T8S, R17E
Well: F-27-8-17
Wellbore: Wellbore #1
Design: Wellbore #1

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TVD Reference: F-27-8-17 @ 5195.00ft (NEWFIELD)
MD Reference: F-27-8-17 @ 5195.00ft (NEWFIELD)
North Reference: True
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)
5,060.00	10.11	330.11	5,010.11	538.60	-310.55	621.43	1.36	1.36	-0.46
5,155.00	10.35	326.84	5,103.60	552.98	-319.37	638.27	0.66	0.25	-3.44
5,250.00	8.75	324.73	5,197.28	566.02	-328.21	653.95	1.72	-1.68	-2.22
5,345.00	8.37	323.09	5,291.22	577.45	-336.54	667.95	0.48	-0.40	-1.73
5,440.00	8.15	329.83	5,385.24	588.80	-344.07	681.52	1.04	-0.23	7.09
5,457.04	8.06	330.55	5,402.11	590.88	-345.27	683.92	0.81	-0.54	4.22
F-27-8-17 TGT									
5,535.00	7.65	334.05	5,479.34	600.31	-350.23	694.57	0.81	-0.52	4.49
5,630.00	7.91	329.90	5,573.46	611.65	-356.27	707.42	0.65	0.27	-4.37
5,725.00	9.40	324.48	5,667.38	623.62	-364.06	721.65	1.79	1.57	-5.71
5,820.00	9.25	326.01	5,761.13	636.26	-372.83	736.94	0.30	-0.16	1.61
5,915.00	9.34	325.37	5,854.88	648.94	-381.48	752.20	0.14	0.09	-0.67
6,010.00	8.57	318.60	5,948.72	660.59	-390.54	766.75	1.37	-0.81	-7.13
6,106.00	8.83	321.72	6,043.62	671.74	-399.84	780.97	0.56	0.27	3.25
6,201.00	8.31	316.87	6,137.56	682.47	-409.05	794.78	0.94	-0.55	-5.11
6,296.00	7.65	313.40	6,231.64	691.83	-418.34	807.42	0.86	-0.69	-3.65
6,391.00	7.36	305.35	6,325.83	699.70	-427.90	818.87	1.15	-0.31	-8.47
6,480.00	7.10	300.65	6,414.12	705.80	-437.28	828.68	0.73	-0.29	-5.28
6,540.00	7.10	300.65	6,473.66	709.58	-443.66	835.03	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

H HEADER INFORMATION -----
H COMPANY : NEWFIELD EXPLORATION
H FIELD : USGS Myton SW (UT)
H SITE : SECTION 27 T8S, R17E
H WELL : F-27-8-17
H WELLPATH: Wellbore #1
H DEPTHUNT: ft
H SURVDATE: 2/20/2009
H DECLINATION CORR.
H = 10.62 TO GRIDH-----

H WELL INFORMATION
H WELL EW MAP : 2060039
H WELL NS MAP : 7205452
H DATUM ELEVN : 5195
H VSECT ANGLE : 331.77
H VSECT NORTH : 0
H VSECT EAST : 0

H-----
H SURVEY TYPE INFORMATION
H 420 - 6540 SURVEY #1 : MWD
H-----

H	SURVEY	LIST	INFORMATION					
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	
	420	0.55	291.58	419.99	0.74	-1.87	1.54	
	450	0.53	289.51	449.99	0.84	-2.14	1.75	
	481	0.59	290.57	480.99	0.94	-2.42	1.98	
	511	0.59	291.34	510.99	1.06	-2.71	2.21	
	541	0.6	288.16	540.99	1.16	-3.01	2.44	
	603	0.7	289.56	602.98	1.39	-3.67	2.96	
	634	0.64	291.84	633.98	1.52	-4.01	3.23	
	664	0.26	240.01	663.98	1.54	-4.22	3.36	
	694	0.24	127.31	693.98	1.47	-4.23	3.3	
	724	0.15	13.54	723.98	1.47	-4.17	3.27	
	753	0.62	337.1	752.98	1.65	-4.23	3.46	
	783	1.16	323	782.98	2.05	-4.47	3.92	
	813	1.87	312.06	812.97	2.62	-5.02	4.68	
	843	2.42	307.71	842.94	3.33	-5.88	5.72	
	873	2.95	304.65	872.91	4.16	-7.02	6.98	
	906	3.52	303.64	905.86	5.2	-8.56	8.63	
	937	4.02	302	936.79	6.3	-10.27	10.42	
	970	4.55	302.34	969.7	7.62	-12.36	12.56	
	1001	5.05	301.53	1000.59	8.99	-14.56	14.81	
	1033	5.67	300.28	1032.45	10.52	-17.13	17.37	
	1065	6.15	300.56	1064.28	12.19	-19.97	20.19	
	1096	6.75	301.66	1095.08	13.99	-22.95	23.18	
	1128	7.13	302.75	1126.85	16.05	-26.22	26.55	

1159	7.84	303.22	1157.58	18.25	-29.61	30.09	2.3
1190	8.48	304.1	1188.27	20.69	-33.27	33.97	2.1
1223	8.88	303.71	1220.89	23.47	-37.4	38.37	1.23
1255	9.25	305.3	1252.49	26.33	-41.56	42.85	1.4
1350	10.15	310.74	1346.14	36.2	-54.13	57.5	1.35
1445	10.55	313.81	1439.59	47.69	-66.75	73.59	0.72
1540	10.74	319.11	1532.96	60.4	-78.82	90.5	1.05
1636	10.85	325.44	1627.26	74.6	-89.8	108.21	1.24
1731	10.22	332.91	1720.66	89.47	-98.71	125.52	1.58
1826	9.96	336.36	1814.2	104.5	-105.85	142.14	0.69
1921	9.43	333.61	1907.84	119	-112.6	158.1	0.74
2016	9.32	336.38	2001.57	133.02	-119.14	173.55	0.49
2111	9.12	335.08	2095.34	146.89	-125.39	188.73	0.3
2206	9.12	336.6	2189.14	160.63	-131.56	203.75	0.25
2302	8.77	335.41	2283.98	174.27	-137.62	218.64	0.41
2397	9.12	332.78	2377.82	187.55	-144.08	233.39	0.57
2492	9.21	331.88	2471.61	200.95	-151.11	248.52	0.18
2587	10.42	331.61	2565.22	215.21	-158.78	264.72	1.27
2681	8.9	328.21	2657.88	228.87	-166.65	280.48	1.73
2777	8.99	332.58	2752.71	241.84	-174.02	295.39	0.71
2872	9.14	335.1	2846.53	255.27	-180.61	310.34	0.45
2967	8.68	331.48	2940.38	268.42	-187.21	325.04	0.76
3063	6.26	328.03	3035.56	279.22	-193.44	337.51	2.56
3158	3.71	328.43	3130.19	286.24	-197.79	345.75	2.68
3257	1.8	341.46	3229.08	290.44	-199.97	350.48	2.02
3353	3.47	333.94	3324.97	294.48	-201.72	354.87	1.77
3448	5.56	330.69	3419.67	301.08	-205.24	362.35	2.22
3543	5.9	332.21	3514.2	309.41	-209.77	371.83	0.39
3638	7.76	336.31	3608.52	319.6	-214.62	383.11	2.02
3733	8.81	337.13	3702.53	332.18	-220.03	396.74	1.11
3828	9.14	331.5	3796.36	345.51	-226.45	411.53	0.99
3923	9.69	334.01	3890.08	359.33	-233.56	427.07	0.72
4018	10.52	335.3	3983.61	374.4	-240.68	443.71	0.91
4112	10.22	338.88	4076.08	389.97	-247.28	460.55	0.76
4207	10.35	337.54	4169.55	405.72	-253.57	477.41	0.29
4303	9.54	337.19	4264.11	421.02	-259.95	493.91	0.85
4397	9.84	341.24	4356.77	435.81	-265.55	509.58	0.79
4492	10.66	342.71	4450.25	451.89	-270.78	526.22	0.91
4587	9.91	340.44	4543.72	467.98	-276.12	542.93	0.9
4686	9.4	340.12	4641.32	483.61	-281.73	559.35	0.52
4781	10.04	334.03	4734.96	498.35	-287.99	575.3	1.27
4876	9.65	329.48	4828.56	512.66	-295.66	591.53	0.92
4966	8.83	330.54	4917.39	525.17	-302.89	605.97	0.93
5060	10.11	330.11	5010.11	538.6	-310.55	621.43	1.36
5155	10.35	326.84	5103.6	552.98	-319.37	638.27	0.66
5250	8.75	324.73	5197.28	566.02	-328.21	653.95	1.72
5345	8.37	323.09	5291.22	577.45	-336.54	667.95	0.48

5440	8.15	329.83	5385.24	588.8	-344.07	681.52	1.04
5535	7.65	334.05	5479.34	600.31	-350.23	694.57	0.81
5630	7.91	329.9	5573.46	611.65	-356.27	707.42	0.65
5725	9.4	324.48	5667.38	623.62	-364.06	721.65	1.79
5820	9.25	326.01	5761.13	636.26	-372.83	736.94	0.3
5915	9.34	325.37	5854.88	648.94	-381.48	752.2	0.14
6010	8.57	318.6	5948.72	660.59	-390.54	766.75	1.37
6106	8.83	321.72	6043.62	671.74	-399.84	780.97	0.56
6201	8.31	316.87	6137.56	682.47	-409.05	794.78	0.94
6296	7.65	313.4	6231.64	691.83	-418.34	807.42	0.86
6391	7.36	305.35	6325.83	699.7	-427.9	818.87	1.15
6480	7.1	300.65	6414.12	705.8	-437.28	828.68	0.73
6540	7.1	300.65	6473.66	709.58	-443.66	835.03	0