



October 31, 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 N-3-9-17
Greater Boundary II Unit
UTU-77098X
Surface Hole: T9S R17E, Section 3: SWNW
1871' FNL 760' FWL
Bottom Hole: T9S R17E, Section 3
2580' FNL 1350' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated October 29, 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

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NOV 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

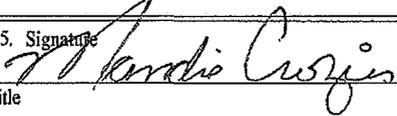
FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No. UTU-61252	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Greater Boundary II	
8. Lease Name and Well No. Greater Boundary II Federal N-3-9-17	
9. API Well No.	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 3, T9S R17E
2. Name of Operator Newfield Production Company	12. County or Parish Duchesne
3a. Address Route #3 Box 3630, Myton UT 84052	13. State UT
3b. Phone No. (include area code) (435) 646-3721	14. Distance in miles and direction from nearest town or post office* Approximately 14.3 miles southeast of Myton, UT
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1871' FNL 760' FWL At proposed prod. zone 2580' FNL 1350' FWL	15. Distance from proposed* location to nearest property or lease line, ft. Approx. 60' f/lse, 1350' f/unit (Also to nearest drig. unit line, if any)
16. No. of acres in lease 120.06	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. 1348'	19. Proposed Depth 6,065'
20. BLM/BIA Bond No. on file WYB000493	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5113' GL
22. Approximate date work will start* 1 st Qtr. 2009	23. Estimated duration (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, must 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 must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval 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.
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.

(Continued on page 2)

*(Instructions on page 2)

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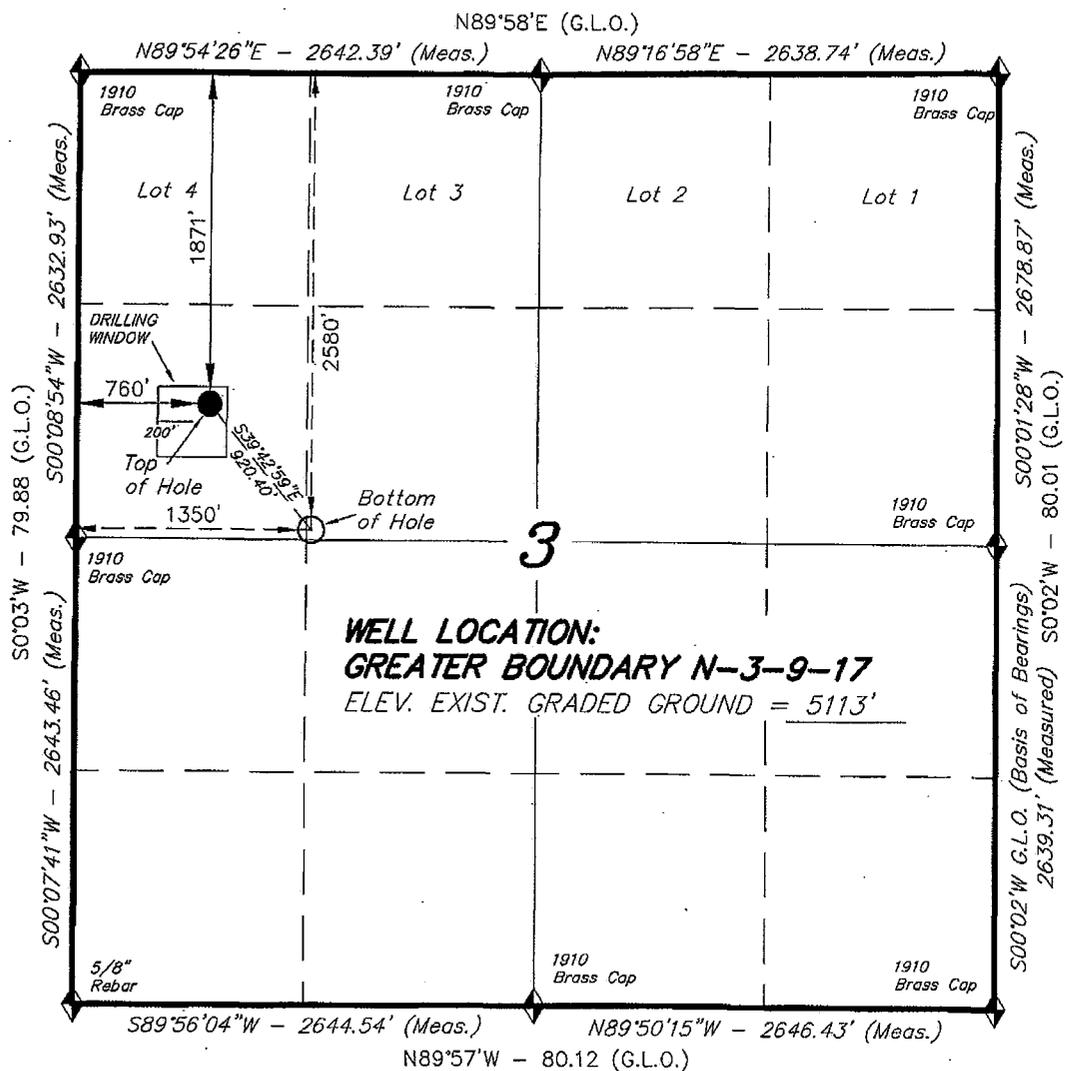
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DIV. OF OIL, GAS & MINING

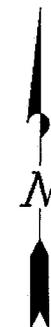
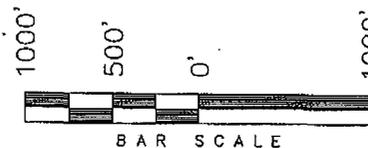
T9S, R17E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

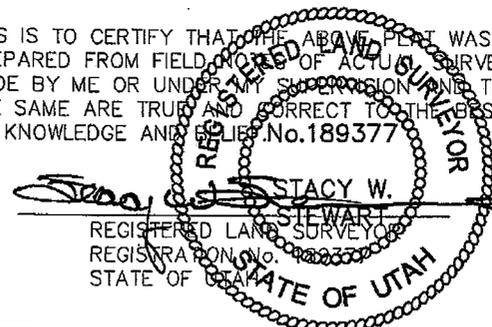
WELL LOCATION, GREATER BOUNDARY N-3-9-17, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 3, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:
 GREATER BOUNDARY N-3-9-17
 ELEV. EXIST. GRADED GROUND = 5113'**



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



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

DATE SURVEYED: 07-10-08	SURVEYED BY: T.H.
DATE DRAWN: 07-15-08	DRAWN BY: F.T.M.
REVISED: 08-06-08 F.T.M.	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

GREATER BOUNDARY N-3-9-17
 (Surface Location) NAD 83
 LATITUDE = 40° 03' 43.40"
 LONGITUDE = 109° 59' 57.98"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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OMB No. 1004-0137
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7. If Unit or CA Agreement, Name and No. Greater Boundary II	
8. Lease Name and Well No. Greater Boundary II Federal N-3-9-17	
9. API Well No. 43-013-34129	
10. Field and Pool, or Exploratory Monument Butte	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 3, T9S R17E
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 14.3 miles southeast of Myton, UT	15. Distance from proposed* location to nearest property or lease line, ft. Approx. 60' f/lse, 1350' f/unit (Also to nearest drig. unit line, if any)
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- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 10/29/08
Title Regulatory Specialist		

Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 11-18-08
Title Office	ENVIRONMENTAL MANAGER	

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(Continued on page 2)

*(Instructions on page 2)

Surf 585395X
4434921Y
40.062110
- 109.998711

**Federal Approval of this
Action is Necessary**

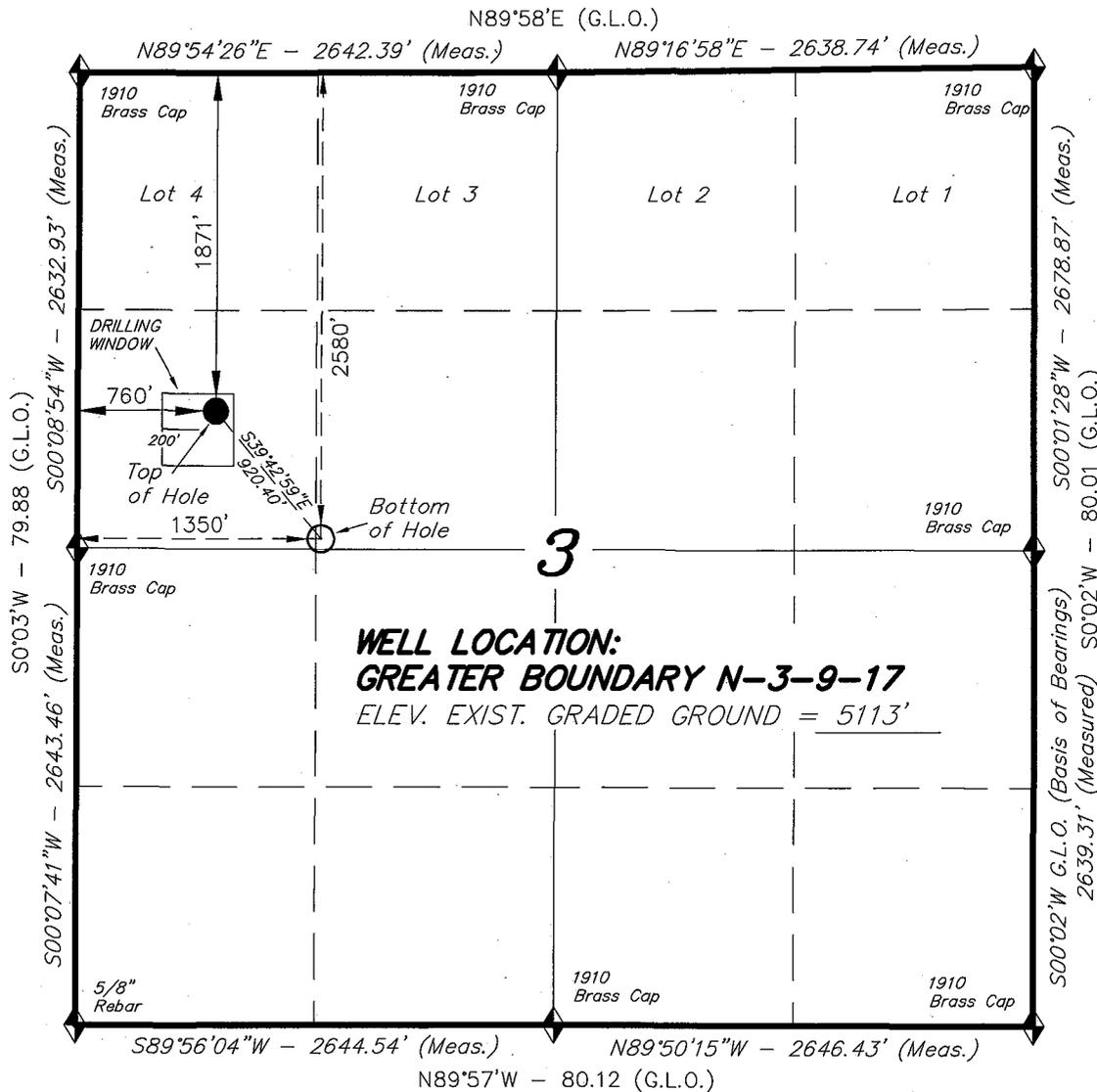
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- 109.996610

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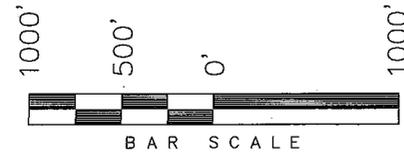
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NEWFIELD PRODUCTION COMPANY

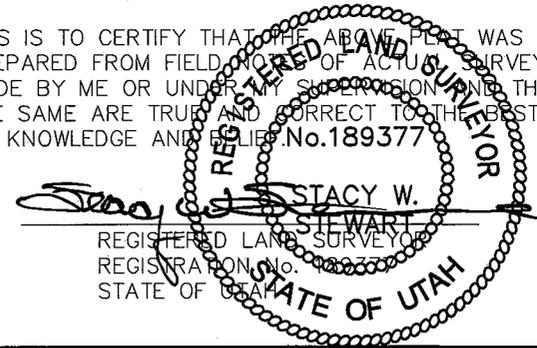
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 (Surface Location) NAD 83
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◆ = SECTION CORNERS LOCATED

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

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY II FEDERAL N-3-9-17
AT SURFACE: SW/NW SECTION 3, T9S, 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' – 1415'
Green River	1415'
Wasatch	6065'

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

Green River Formation 1415' – 6065' - 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 N-3-9-17
AT SURFACE: SW/NW SECTION 3, T9S, 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 N-3-9-17 located in the SW 1/4 NW 1/4 Section 3, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.8 miles \pm to it's junction with an existing dirt road to the northeast; proceed northeasterly - 0.9 miles \pm to it's junction with an existing dirt road to the northwest; proceed northwesterly - 0.2 miles \pm to the existing Greater Boundary Federal 5-3-9-17 well lcoation.

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 Federal 5-3-9-17 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 Federal 5-3-9-17 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 N-3-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

Johnson Water District
Water Right : 43-7478

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 N-3-9-17 will be drilled off of the existing Greater Boundary Federal 5-3-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 970' of disturbed area be granted in Lease UTU-61252 and 340' of disturbed area be granted in Lease UTU-44004 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies. A **cactus survey** will be required prior to construction of the water injection line.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-252, 10/2/08. Paleontological Resource Survey prepared by, Wade E. Miller, 10/9/08. See attached report cover pages, Exhibit "D".

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or **hospital muffler** to reduce noise levels.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Greater Boundary II Federal N-3-9-17 was on-sited on 8/13/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Dave Gordon (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

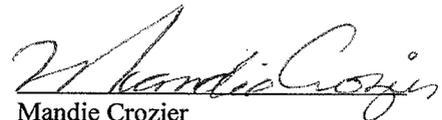
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-3-9-17 SW/NW Section 3, Township 9S, Range 17E: Lease UTU-61252 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.

10/29/08

Date



Mandie Crozier
Regulatory Specialist
Newfield Production Company



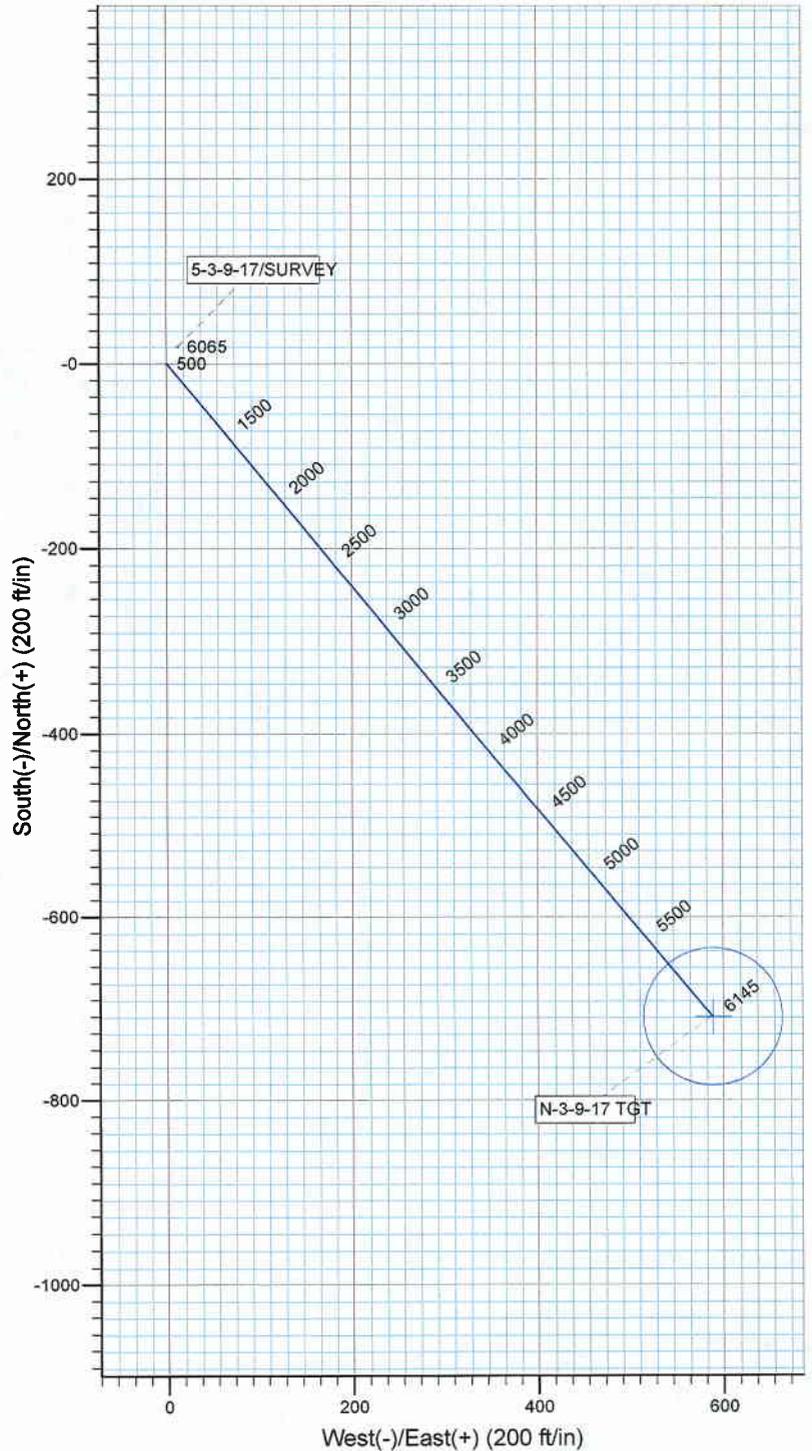
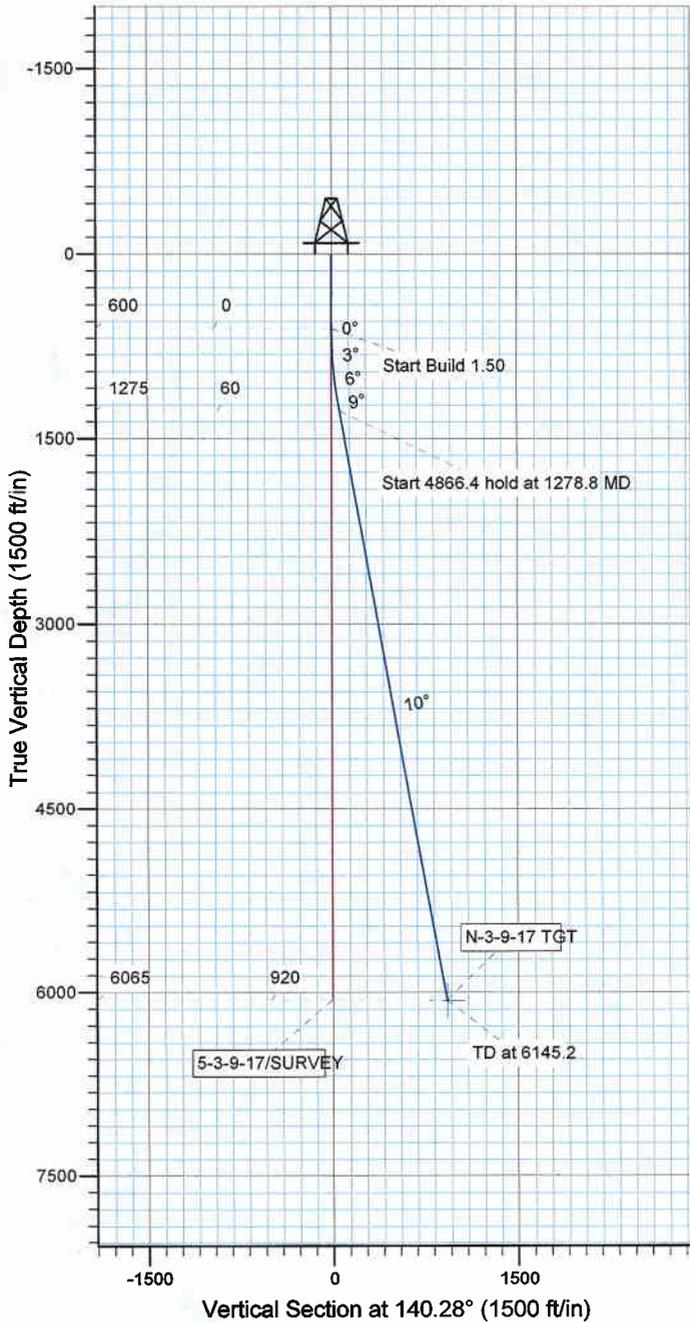
Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R17E
 Well: N-3-9-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.63°

Magnetic Field
 Strength: 52594.2snT
 Dip Angle: 65.90°
 Date: 8/28/2008
 Model: IGRF200510

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-3-9-17 TGT	6065.0	-708.0	588.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1278.8	10.18	140.28	1275.2	-46.3	38.4	1.50	140.28	60.2	
4	6145.2	10.18	140.28	6065.0	-708.0	588.2	0.00	0.00	920.4	N-3-9-17 TGT



NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 3 T9S, R17E
N-3-9-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

28 August, 2008

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES



Hathaway Burnham

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R17E
Well: N-3-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well N-3-9-17
TVD Reference: N-3-9-17 @ 5125.0ft
MD Reference: N-3-9-17 @ 5125.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

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 3 T9S, R17E, SEC 3 T9S, R17E				
Site Position:		Northing:	7,194,150.00ft	Latitude:	40° 3' 36.209 N
From:	Map	Easting:	2,062,000.00ft	Longitude:	109° 59' 37.280 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.96 °

Well	N-3-9-17, SHL LAT: 40 03 43.40, LONG: -109 59 57.98					
Well Position	+N/-S	727.6 ft	Northing:	7,194,850.45 ft	Latitude:	40° 3' 43.400 N
	+E/-W	-1,609.5 ft	Easting:	2,060,378.67 ft	Longitude:	109° 59' 57.980 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/28/2008	11.64	65.90	52,594

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	140.28

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,278.8	10.18	140.28	1,275.2	-46.3	38.4	1.50	1.50	0.00	140.28	
6,145.2	10.18	140.28	6,065.0	-708.0	588.2	0.00	0.00	0.00	0.00	N-3-9-17 TGT

Database: EDM 2003.21 Single User Db
 Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R17E
 Well: N-3-9-17
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Local Co-ordinate Reference: Well N-3-9-17
 TVD Reference: N-3-9-17 @ 5125.0ft
 MD Reference: N-3-9-17 @ 5125.0ft
 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.75	140.28	650.0	-0.3	0.2	0.3	1.50	1.50	0.00
700.0	1.50	140.28	700.0	-1.0	0.8	1.3	1.50	1.50	0.00
750.0	2.25	140.28	750.0	-2.3	1.9	2.9	1.50	1.50	0.00
800.0	3.00	140.28	799.9	-4.0	3.3	5.2	1.50	1.50	0.00
850.0	3.75	140.28	849.8	-6.3	5.2	8.2	1.50	1.50	0.00
900.0	4.50	140.28	899.7	-9.1	7.5	11.8	1.50	1.50	0.00
950.0	5.25	140.28	949.5	-12.3	10.2	16.0	1.50	1.50	0.00
1,000.0	6.00	140.28	999.3	-16.1	13.4	20.9	1.50	1.50	0.00
1,050.0	6.75	140.28	1,049.0	-20.4	16.9	26.5	1.50	1.50	0.00
1,100.0	7.50	140.28	1,098.6	-25.1	20.9	32.7	1.50	1.50	0.00
1,150.0	8.25	140.28	1,148.1	-30.4	25.3	39.5	1.50	1.50	0.00
1,200.0	9.00	140.28	1,197.5	-36.2	30.1	47.0	1.50	1.50	0.00
1,250.0	9.75	140.28	1,246.9	-42.4	35.3	55.2	1.50	1.50	0.00
1,278.8	10.18	140.28	1,275.2	-46.3	38.4	60.2	1.50	1.50	0.00
1,300.0	10.18	140.28	1,296.1	-49.2	40.8	63.9	0.00	0.00	0.00
1,350.0	10.18	140.28	1,345.3	-56.0	46.5	72.7	0.00	0.00	0.00
1,400.0	10.18	140.28	1,394.5	-62.7	52.1	81.6	0.00	0.00	0.00
1,450.0	10.18	140.28	1,443.7	-69.5	57.8	90.4	0.00	0.00	0.00
1,500.0	10.18	140.28	1,492.9	-76.3	63.4	99.3	0.00	0.00	0.00
1,550.0	10.18	140.28	1,542.2	-83.1	69.1	108.1	0.00	0.00	0.00
1,600.0	10.18	140.28	1,591.4	-89.9	74.7	116.9	0.00	0.00	0.00
1,650.0	10.18	140.28	1,640.6	-96.7	80.4	125.8	0.00	0.00	0.00
1,700.0	10.18	140.28	1,689.8	-103.5	86.0	134.6	0.00	0.00	0.00
1,750.0	10.18	140.28	1,739.0	-110.3	91.7	143.5	0.00	0.00	0.00
1,800.0	10.18	140.28	1,788.2	-117.1	97.3	152.3	0.00	0.00	0.00
1,850.0	10.18	140.28	1,837.4	-123.9	103.0	161.1	0.00	0.00	0.00
1,900.0	10.18	140.28	1,886.7	-130.7	108.6	170.0	0.00	0.00	0.00
1,950.0	10.18	140.28	1,935.9	-137.5	114.3	178.8	0.00	0.00	0.00
2,000.0	10.18	140.28	1,985.1	-144.3	119.9	187.6	0.00	0.00	0.00
2,050.0	10.18	140.28	2,034.3	-151.1	125.6	196.5	0.00	0.00	0.00
2,100.0	10.18	140.28	2,083.5	-157.9	131.2	205.3	0.00	0.00	0.00
2,150.0	10.18	140.28	2,132.7	-164.7	136.9	214.2	0.00	0.00	0.00
2,200.0	10.18	140.28	2,181.9	-171.5	142.5	223.0	0.00	0.00	0.00
2,250.0	10.18	140.28	2,231.1	-178.3	148.2	231.8	0.00	0.00	0.00
2,300.0	10.18	140.28	2,280.4	-185.1	153.8	240.7	0.00	0.00	0.00
2,350.0	10.18	140.28	2,329.6	-191.9	159.4	249.5	0.00	0.00	0.00
2,400.0	10.18	140.28	2,378.8	-198.7	165.1	258.4	0.00	0.00	0.00
2,450.0	10.18	140.28	2,428.0	-205.5	170.7	267.2	0.00	0.00	0.00
2,500.0	10.18	140.28	2,477.2	-212.3	176.4	276.0	0.00	0.00	0.00
2,550.0	10.18	140.28	2,526.4	-219.1	182.0	284.9	0.00	0.00	0.00
2,600.0	10.18	140.28	2,575.6	-225.9	187.7	293.7	0.00	0.00	0.00

Database: EDM 2003.21 Single User Db
 Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R17E
 Well: N-3-9-17
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well N-3-9-17
 TVD Reference: N-3-9-17 @ 5125.0ft
 MD Reference: N-3-9-17 @ 5125.0ft
 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)
2,650.0	10.18	140.28	2,624.8	-232.7	193.3	302.5	0.00	0.00	0.00
2,700.0	10.18	140.28	2,674.1	-239.5	199.0	311.4	0.00	0.00	0.00
2,750.0	10.18	140.28	2,723.3	-246.3	204.6	320.2	0.00	0.00	0.00
2,800.0	10.18	140.28	2,772.5	-253.1	210.3	329.1	0.00	0.00	0.00
2,850.0	10.18	140.28	2,821.7	-259.9	215.9	337.9	0.00	0.00	0.00
2,900.0	10.18	140.28	2,870.9	-266.7	221.6	346.7	0.00	0.00	0.00
2,950.0	10.18	140.28	2,920.1	-273.5	227.2	355.6	0.00	0.00	0.00
3,000.0	10.18	140.28	2,969.3	-280.3	232.9	364.4	0.00	0.00	0.00
3,050.0	10.18	140.28	3,018.5	-287.1	238.5	373.3	0.00	0.00	0.00
3,100.0	10.18	140.28	3,067.8	-293.9	244.2	382.1	0.00	0.00	0.00
3,150.0	10.18	140.28	3,117.0	-300.7	249.8	390.9	0.00	0.00	0.00
3,200.0	10.18	140.28	3,166.2	-307.5	255.5	399.8	0.00	0.00	0.00
3,250.0	10.18	140.28	3,215.4	-314.3	261.1	408.6	0.00	0.00	0.00
3,300.0	10.18	140.28	3,264.6	-321.1	266.8	417.4	0.00	0.00	0.00
3,350.0	10.18	140.28	3,313.8	-327.9	272.4	426.3	0.00	0.00	0.00
3,400.0	10.18	140.28	3,363.0	-334.7	278.1	435.1	0.00	0.00	0.00
3,450.0	10.18	140.28	3,412.2	-341.5	283.7	444.0	0.00	0.00	0.00
3,500.0	10.18	140.28	3,461.5	-348.3	289.4	452.8	0.00	0.00	0.00
3,550.0	10.18	140.28	3,510.7	-355.1	295.0	461.6	0.00	0.00	0.00
3,600.0	10.18	140.28	3,559.9	-361.9	300.7	470.5	0.00	0.00	0.00
3,650.0	10.18	140.28	3,609.1	-368.7	306.3	479.3	0.00	0.00	0.00
3,700.0	10.18	140.28	3,658.3	-375.5	311.9	488.2	0.00	0.00	0.00
3,750.0	10.18	140.28	3,707.5	-382.3	317.6	497.0	0.00	0.00	0.00
3,800.0	10.18	140.28	3,756.7	-389.1	323.2	505.8	0.00	0.00	0.00
3,850.0	10.18	140.28	3,805.9	-395.9	328.9	514.7	0.00	0.00	0.00
3,900.0	10.18	140.28	3,855.2	-402.7	334.5	523.5	0.00	0.00	0.00
3,950.0	10.18	140.28	3,904.4	-409.5	340.2	532.3	0.00	0.00	0.00
4,000.0	10.18	140.28	3,953.6	-416.3	345.8	541.2	0.00	0.00	0.00
4,050.0	10.18	140.28	4,002.8	-423.1	351.5	550.0	0.00	0.00	0.00
4,100.0	10.18	140.28	4,052.0	-429.9	357.1	558.9	0.00	0.00	0.00
4,150.0	10.18	140.28	4,101.2	-436.7	362.8	567.7	0.00	0.00	0.00
4,200.0	10.18	140.28	4,150.4	-443.5	368.4	576.5	0.00	0.00	0.00
4,250.0	10.18	140.28	4,199.6	-450.3	374.1	585.4	0.00	0.00	0.00
4,300.0	10.18	140.28	4,248.9	-457.1	379.7	594.2	0.00	0.00	0.00
4,350.0	10.18	140.28	4,298.1	-463.9	385.4	603.1	0.00	0.00	0.00
4,400.0	10.18	140.28	4,347.3	-470.7	391.0	611.9	0.00	0.00	0.00
4,450.0	10.18	140.28	4,396.5	-477.5	396.7	620.7	0.00	0.00	0.00
4,500.0	10.18	140.28	4,445.7	-484.3	402.3	629.6	0.00	0.00	0.00
4,550.0	10.18	140.28	4,494.9	-491.1	408.0	638.4	0.00	0.00	0.00
4,600.0	10.18	140.28	4,544.1	-497.9	413.6	647.3	0.00	0.00	0.00
4,650.0	10.18	140.28	4,593.3	-504.6	419.3	656.1	0.00	0.00	0.00
4,700.0	10.18	140.28	4,642.6	-511.4	424.9	664.9	0.00	0.00	0.00
4,750.0	10.18	140.28	4,691.8	-518.2	430.6	673.8	0.00	0.00	0.00
4,800.0	10.18	140.28	4,741.0	-525.0	436.2	682.6	0.00	0.00	0.00
4,850.0	10.18	140.28	4,790.2	-531.8	441.9	691.4	0.00	0.00	0.00
4,900.0	10.18	140.28	4,839.4	-538.6	447.5	700.3	0.00	0.00	0.00
4,950.0	10.18	140.28	4,888.6	-545.4	453.2	709.1	0.00	0.00	0.00
5,000.0	10.18	140.28	4,937.8	-552.2	458.8	718.0	0.00	0.00	0.00
5,050.0	10.18	140.28	4,987.0	-559.0	464.5	726.8	0.00	0.00	0.00
5,100.0	10.18	140.28	5,036.3	-565.8	470.1	735.6	0.00	0.00	0.00
5,150.0	10.18	140.28	5,085.5	-572.6	475.7	744.5	0.00	0.00	0.00
5,200.0	10.18	140.28	5,134.7	-579.4	481.4	753.3	0.00	0.00	0.00
5,250.0	10.18	140.28	5,183.9	-586.2	487.0	762.2	0.00	0.00	0.00
5,300.0	10.18	140.28	5,233.1	-593.0	492.7	771.0	0.00	0.00	0.00



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R17E
Well: N-3-9-17
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well N-3-9-17
TVD Reference: N-3-9-17 @ 5125.0ft
MD Reference: N-3-9-17 @ 5125.0ft
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)
5,350.0	10.18	140.28	5,282.3	-599.8	498.3	779.8	0.00	0.00	0.00
5,400.0	10.18	140.28	5,331.5	-606.6	504.0	788.7	0.00	0.00	0.00
5,450.0	10.18	140.28	5,380.7	-613.4	509.6	797.5	0.00	0.00	0.00
5,500.0	10.18	140.28	5,430.0	-620.2	515.3	806.3	0.00	0.00	0.00
5,550.0	10.18	140.28	5,479.2	-627.0	520.9	815.2	0.00	0.00	0.00
5,600.0	10.18	140.28	5,528.4	-633.8	526.6	824.0	0.00	0.00	0.00
5,650.0	10.18	140.28	5,577.6	-640.6	532.2	832.9	0.00	0.00	0.00
5,700.0	10.18	140.28	5,626.8	-647.4	537.9	841.7	0.00	0.00	0.00
5,750.0	10.18	140.28	5,676.0	-654.2	543.5	850.5	0.00	0.00	0.00
5,800.0	10.18	140.28	5,725.2	-661.0	549.2	859.4	0.00	0.00	0.00
5,850.0	10.18	140.28	5,774.4	-667.8	554.8	868.2	0.00	0.00	0.00
5,900.0	10.18	140.28	5,823.7	-674.6	560.5	877.1	0.00	0.00	0.00
5,950.0	10.18	140.28	5,872.9	-681.4	566.1	885.9	0.00	0.00	0.00
6,000.0	10.18	140.28	5,922.1	-688.2	571.8	894.7	0.00	0.00	0.00
6,050.0	10.18	140.28	5,971.3	-695.0	577.4	903.6	0.00	0.00	0.00
6,100.0	10.18	140.28	6,020.5	-701.8	583.1	912.4	0.00	0.00	0.00
6,145.2	10.18	140.28	6,065.0	-708.0	588.2	920.4	0.00	0.00	0.00

N-3-9-17 TGT

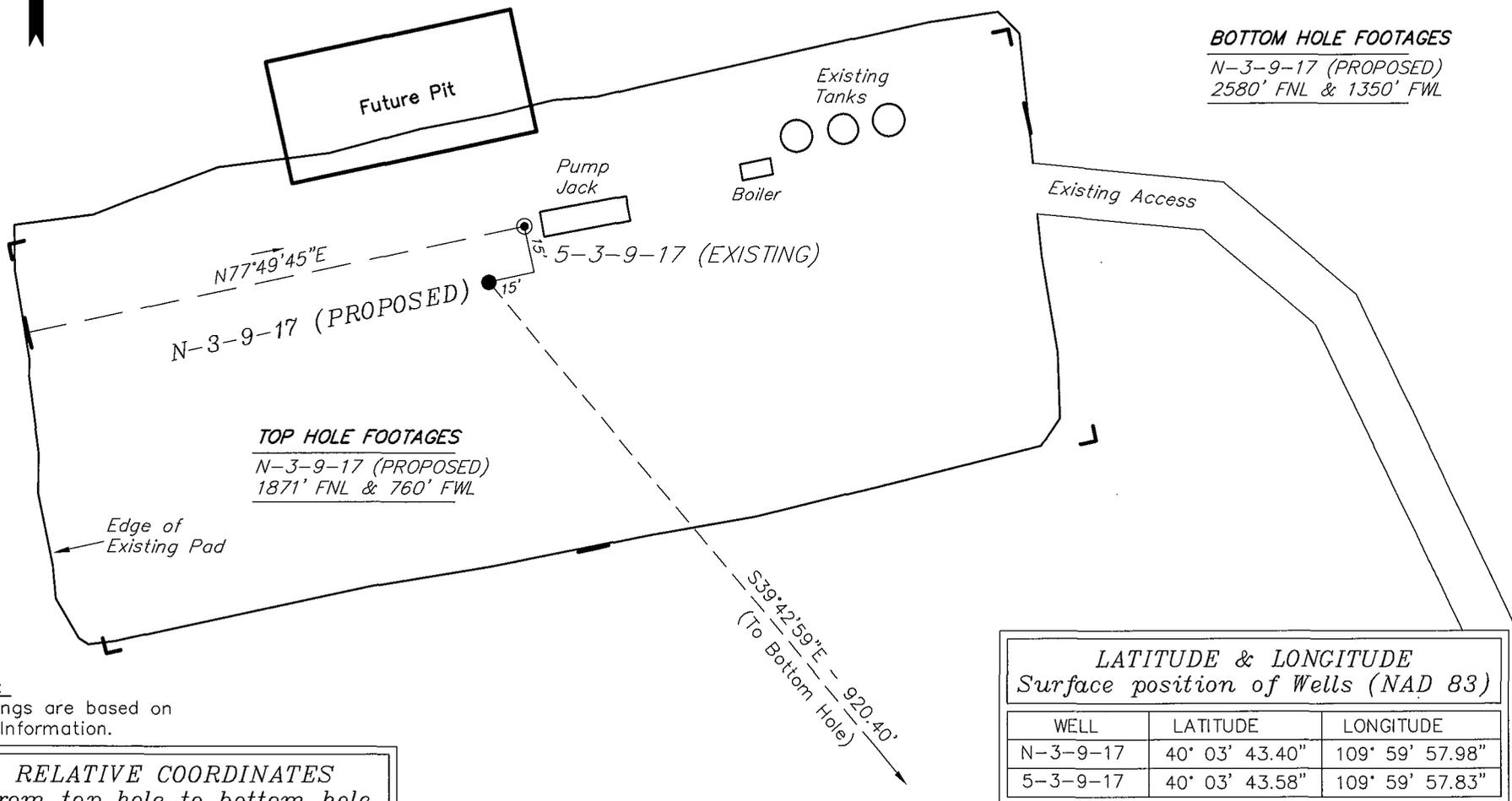
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

GREATER BOUNDARY N-3-9-17 (Proposed Well)

GREATER BOUNDARY 5-3-9-17 (Existing Well)

Pad Location: SWNW Section 3, T9S, R17E, S.L.B.&M.



BOTTOM HOLE FOOTAGES
 N-3-9-17 (PROPOSED)
 2580' FNL & 1350' FWL

TOP HOLE FOOTAGES
 N-3-9-17 (PROPOSED)
 1871' FNL & 760' FWL

LATITUDE & LONGITUDE		
Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
N-3-9-17	40° 03' 43.40"	109° 59' 57.98"
5-3-9-17	40° 03' 43.58"	109° 59' 57.83"

Note:
 Bearings are based on
 GLO Information.

RELATIVE COORDINATES		
From top hole to bottom hole		
WELL	NORTH	EAST
N-3-9-17	-708'	588'

SURVEYED BY: T.H.	DATE SURVEYED: 07-10-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08
SCALE: 1" = 50'	REVISED: F.T.M. 08-06-08

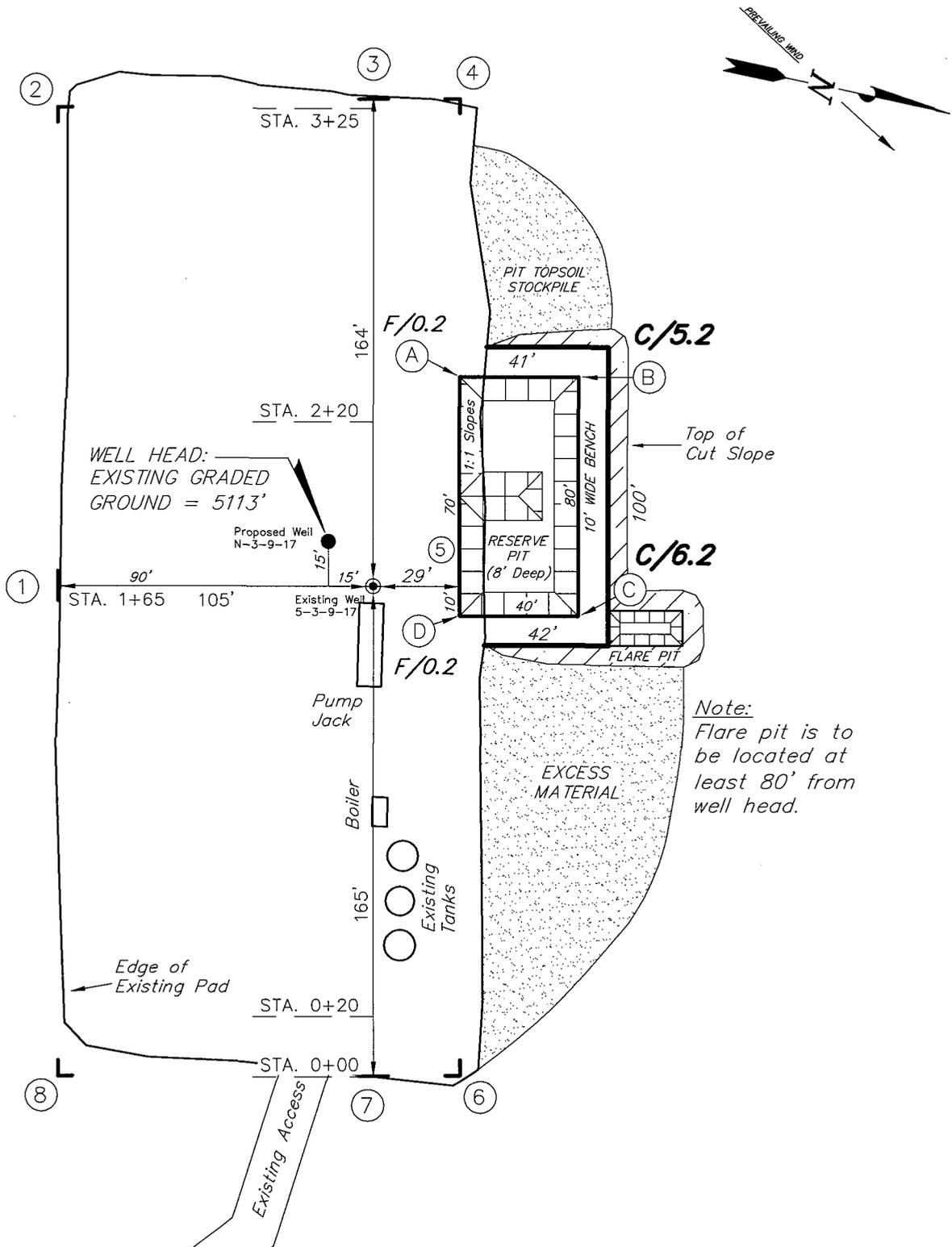
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

GREATER BOUNDARY N-3-9-17 (Proposed Well)

GREATER BOUNDARY 5-3-9-17 (Existing Well)

Pad Location: SWNW Section 3, T9S, R17E, S.L.B.&M.



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

SURVEYED BY: T.H.	DATE SURVEYED: 07-10-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08
SCALE: 1" = 50'	REVISED: F.T.M. 08-06-08

(435) 781-2501

Tri State
Land Surveying, Inc.

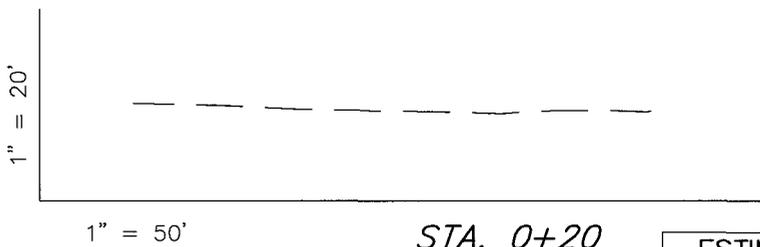
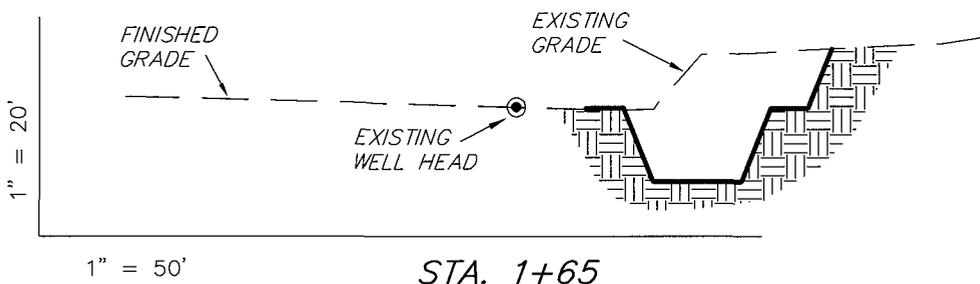
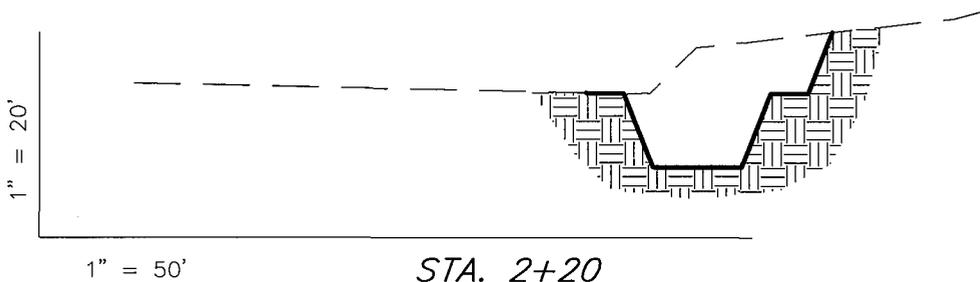
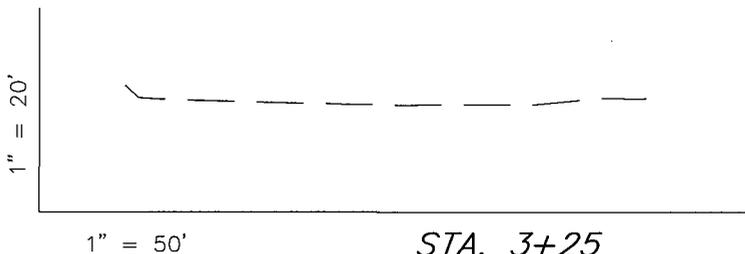
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

GREATER BOUNDARY N-3-9-17 (Proposed Well)

GREATER BOUNDARY 5-3-9-17 (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	980	0	Topsoil is not included in Pad Cut	980
PIT	640	0		640
TOTALS	1,620	0	140	1,620

SURVEYED BY: T.H.	DATE SURVEYED: 07-10-08
DRAWN BY: F.T.M.	DATE DRAWN: 07-15-08
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

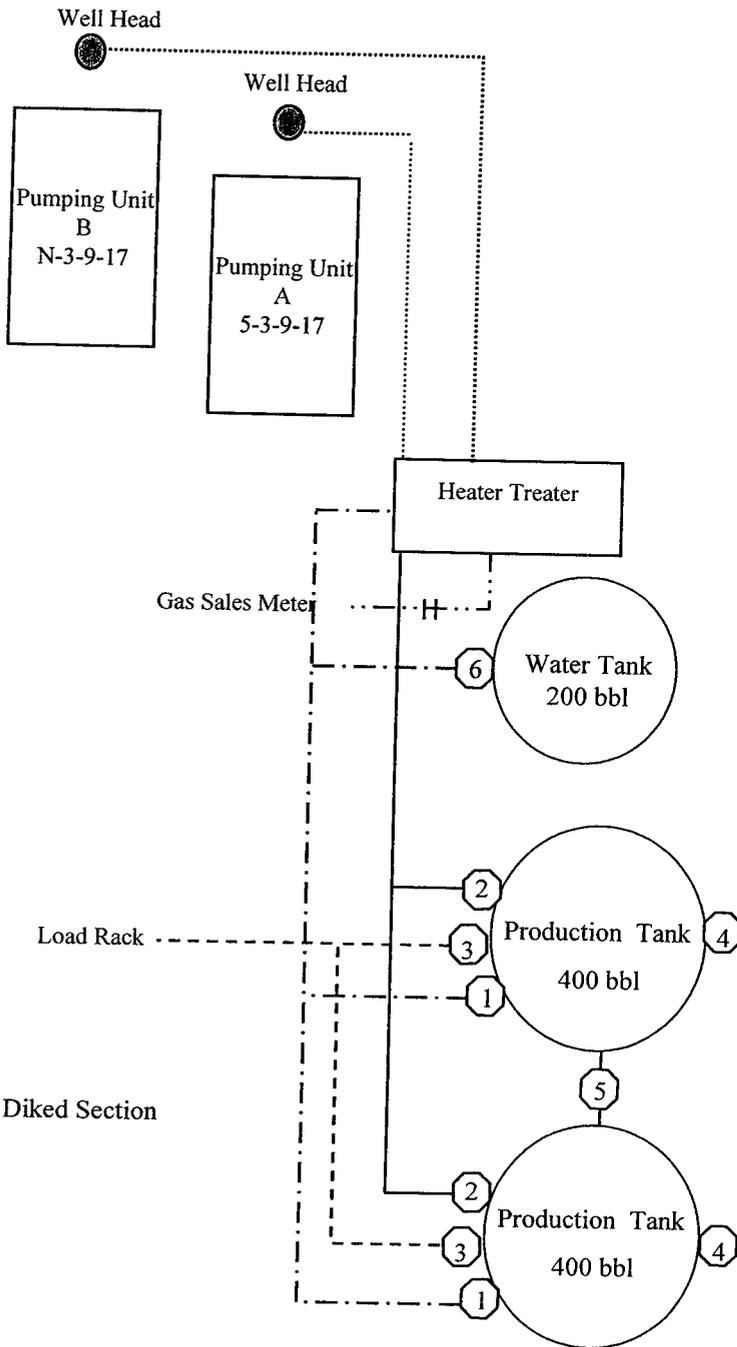
Greater Boundary II Federal N-3-9-17

From the 5-3-9-17 Location

SW/NW Sec. 3 T9S, R17E

Duchesne County, Utah

UTU-61252



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

Production Phase:

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

Sales Phase:

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

Draining Phase:

- 1) Valves 1 and 6 open

Legend

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



G.B.U. N-3 (Proposed Well)
G.B.U. 5-3 (Existing Well)

 **NEWFIELD**
Exploration Company

Greater Boundary N-3-9-17 (Proposed Well)
Greater Boundary 5-3-9-17 (Existing Well)
 Pad Location SWNW SEC. 3, T9S, R17E, S.L.B.&M.



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

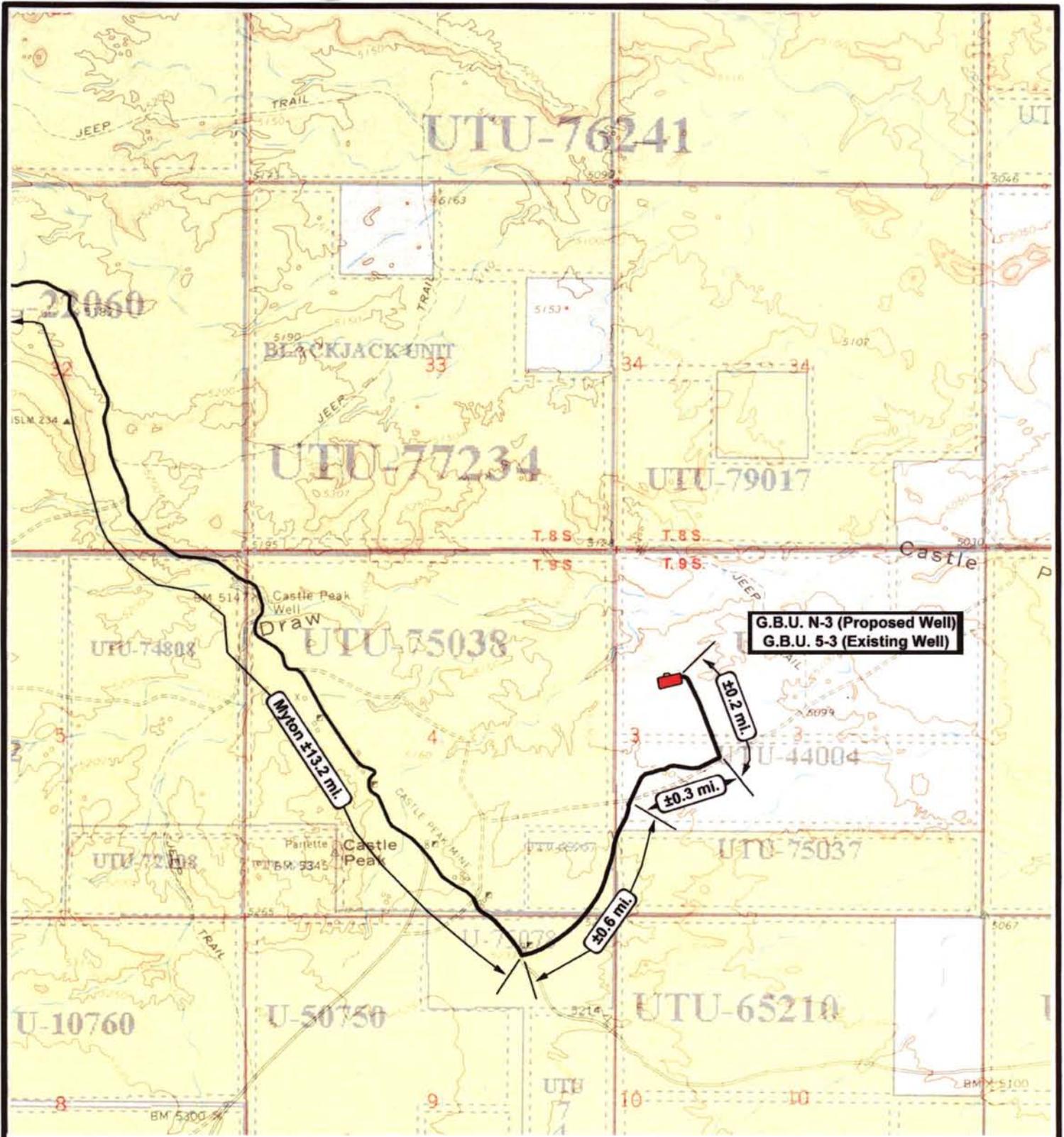
SCALE: 1 = 100,000
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

 Existing Road

TOPOGRAPHIC MAP

"A"



G.B.U. N-3 (Proposed Well)
G.B.U. 5-3 (Existing Well)



NEWFIELD
Exploration Company

Greater Boundary N-3-9-17 (Proposed Well)
Greater Boundary 5-3-9-17 (Existing Well)
 Pad Location SWNW SEC. 3, T9S, R17E, S.L.B.&M.




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

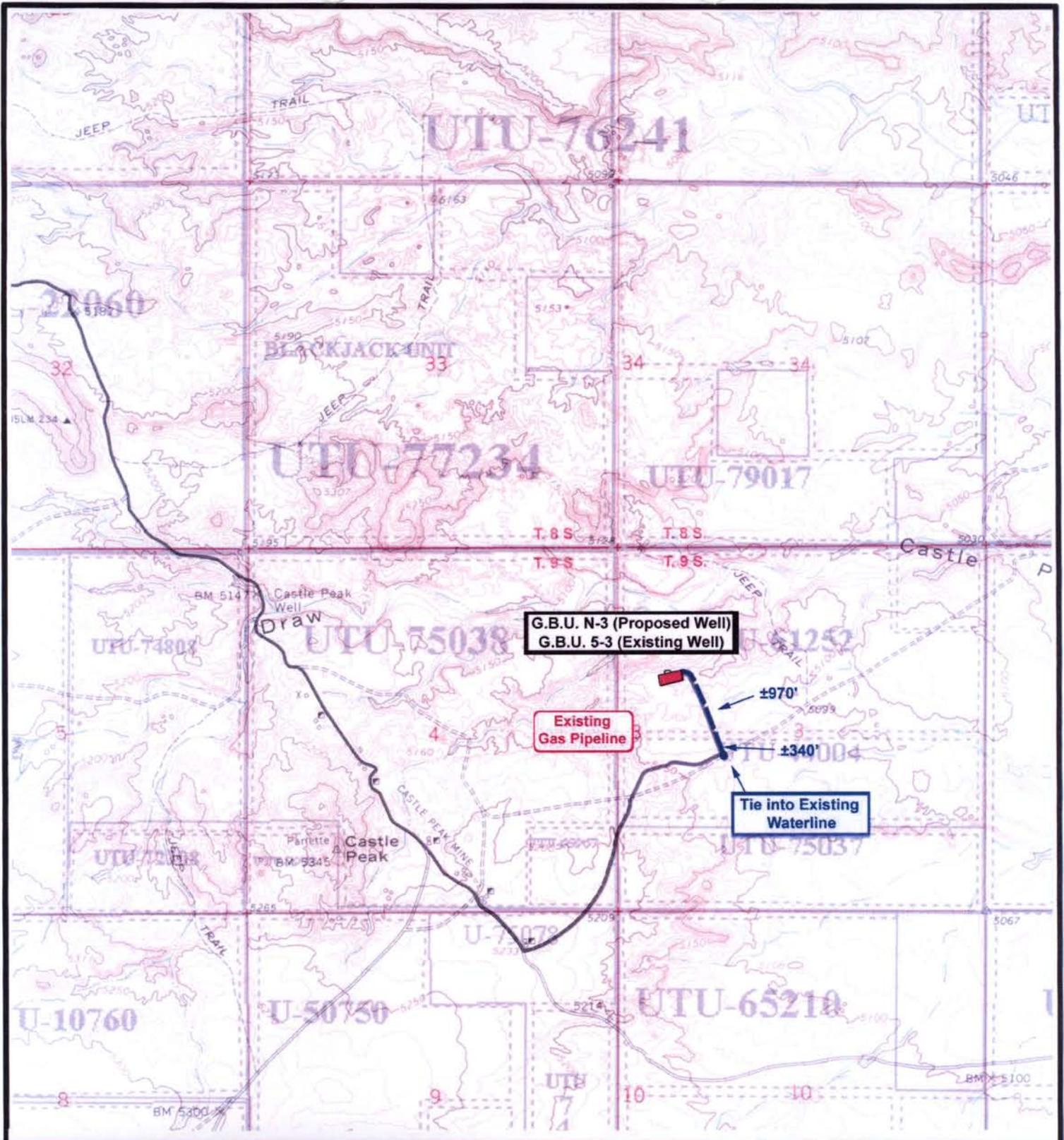
SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 07-29-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"B"




NEWFIELD
 Exploration Company

Greater Boundary N-3-9-17 (Proposed Well)
Greater Boundary 5-3-9-17 (Existing Well)
 Pad Location SWNW SEC. 3, T9S, R17E, S.L.B.&M.



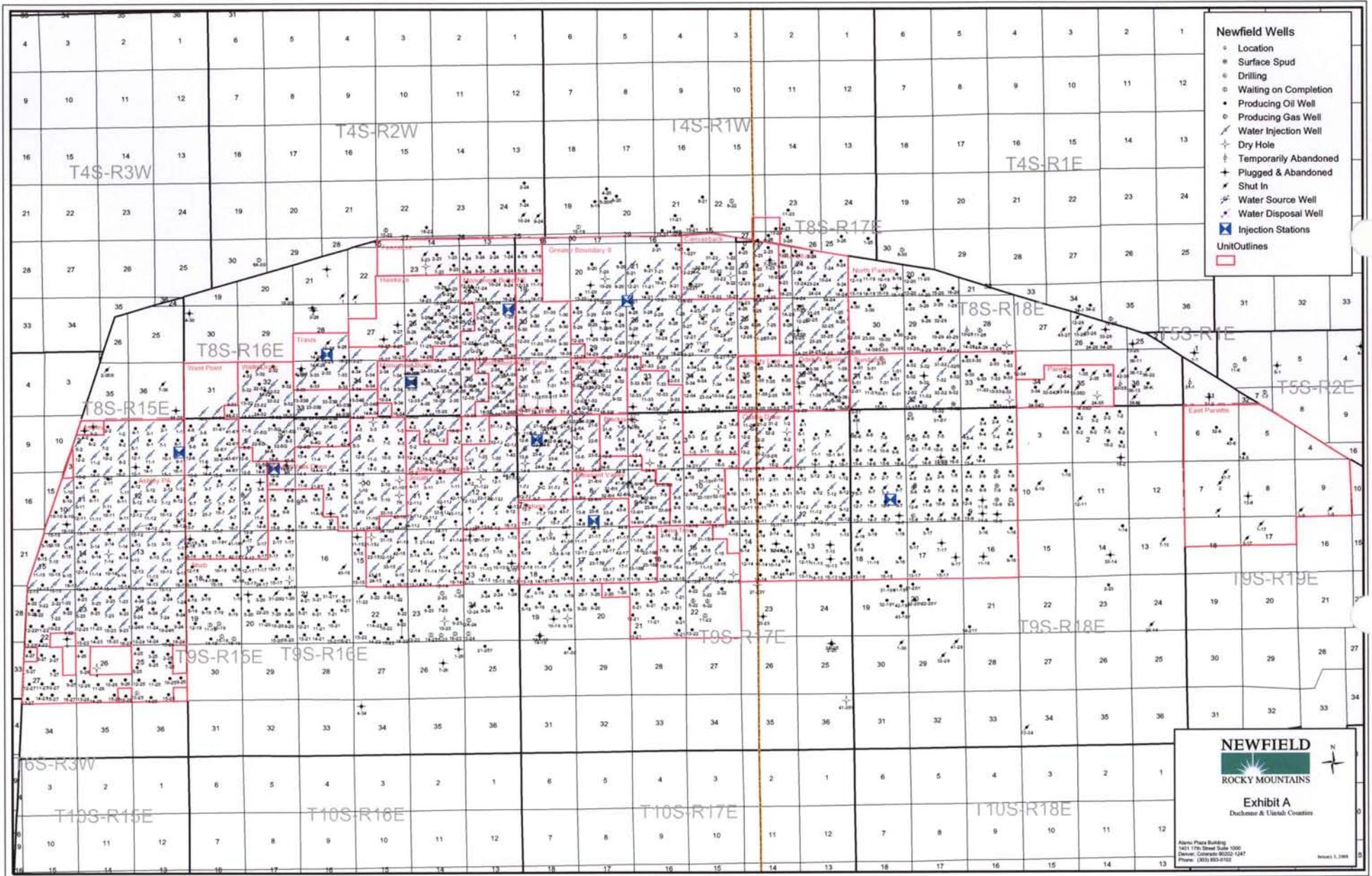

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

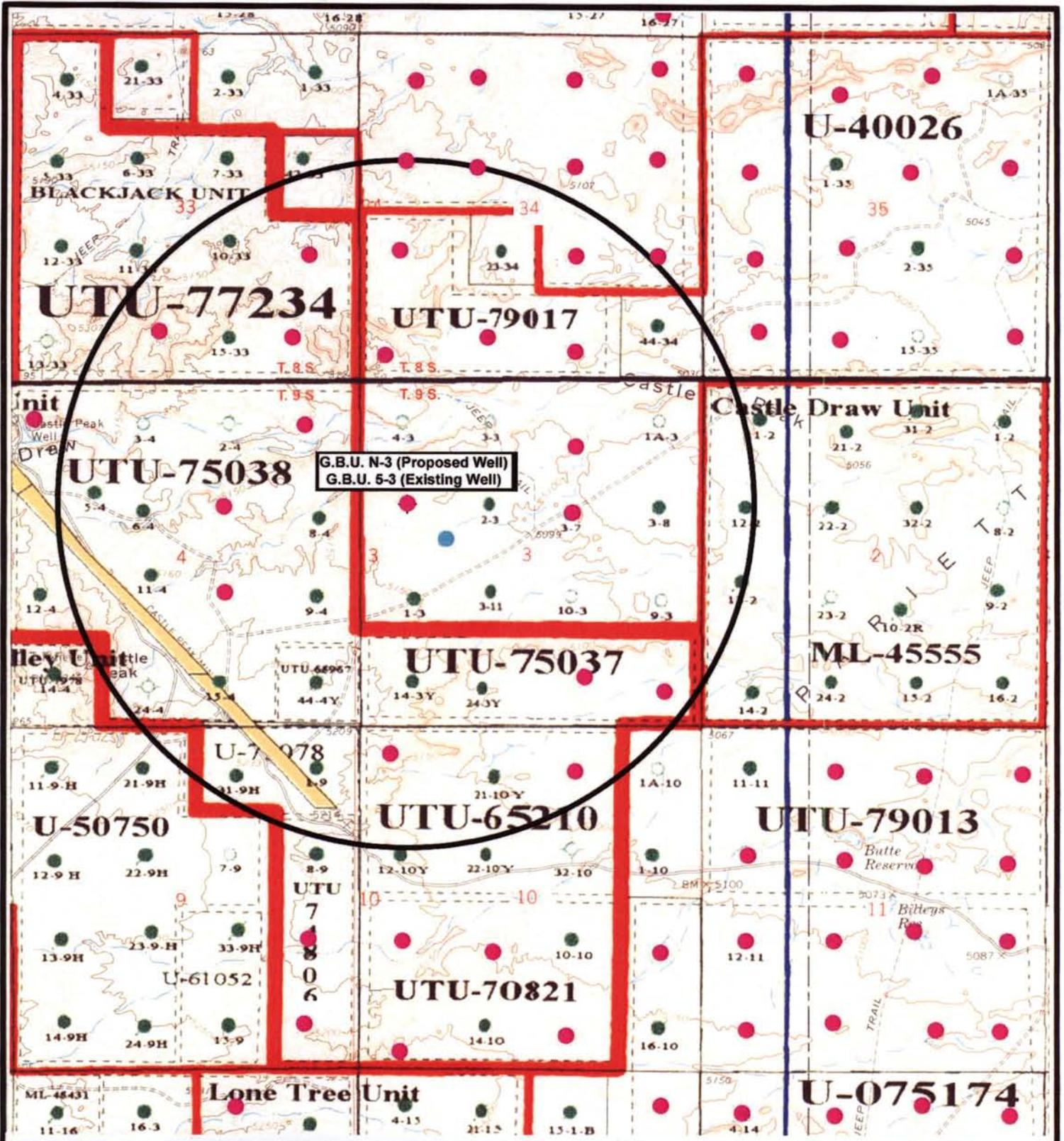
SCALE: 1" = 2,000'
 DRAWN BY: JAS
 DATE: 11-05-2008

Legend

-  Roads
-  Proposed Water Line

TOPOGRAPHIC MAP
"C"





G.B.U. N-3 (Proposed Well)
G.B.U. 6-3 (Existing Well)



NEWFIELD
Exploration Company

Greater Boundary N-3-9-17 (Proposed Well)
Greater Boundary 5-3-9-17 (Existing Well)
Pad Location SWNW SEC. 3, T9S, R17E, S.L.B.&M.




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

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-29-2008

Legend

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

Exhibit "B"

2-M SYSTEM
Blowout Prevention Equipment Systems

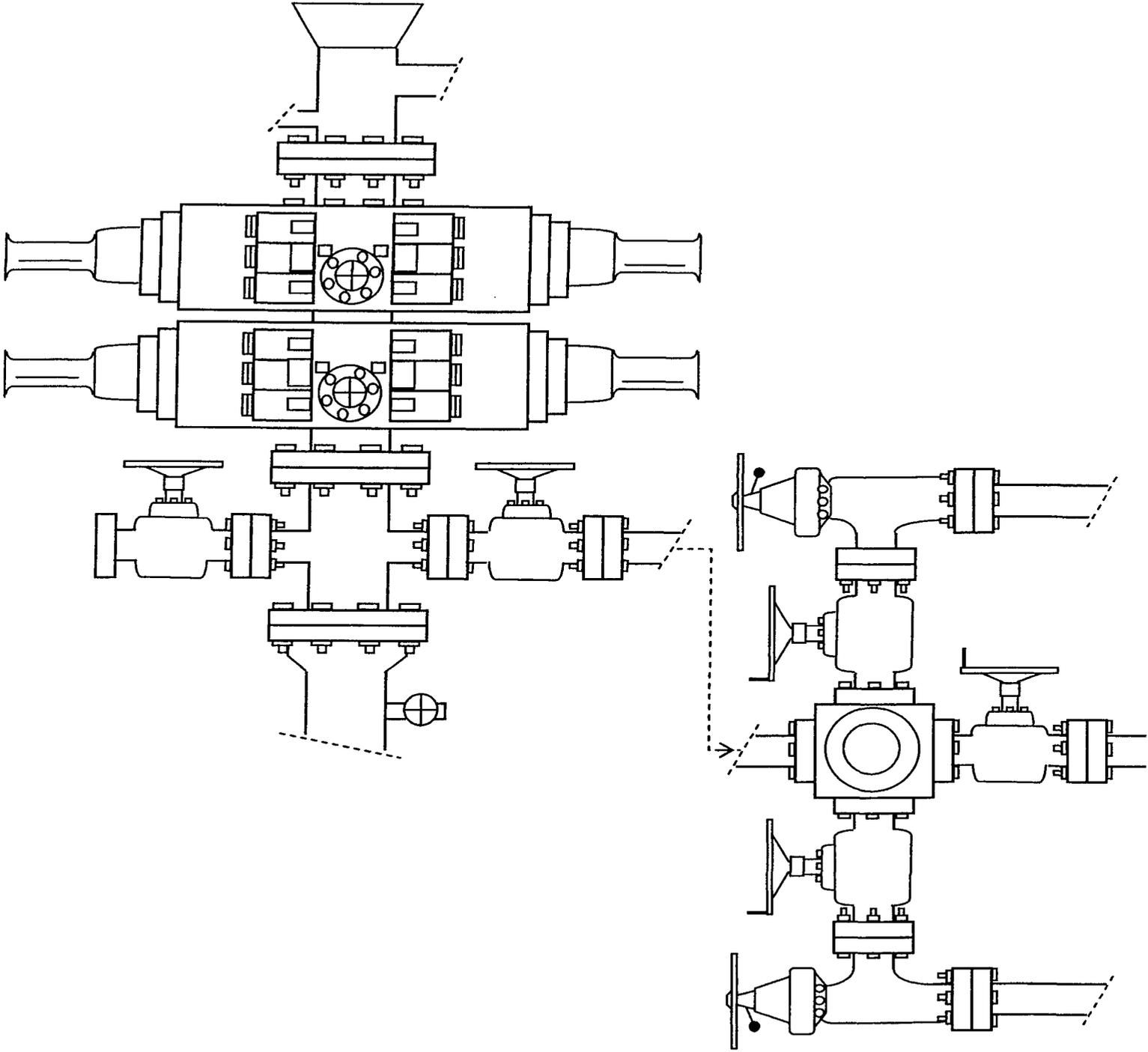


EXHIBIT C

Exhibit "D"
1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S FIVE PROPOSED WATERLINES
GREATER BOUNDARY #3-11-9-17, #5-3-9-17, #9-3-9-17,
BELUGA UNIT #16-3-9-17, AND LONE TREE UNIT #15-16-9-17
(T9S, R17E, SEC. 3, 9, AND 16)
DUCHESNE COUNTY, UTAH

By:

Patricia Stavish

Prepared for:

Bureau of Land Management
Vernal Field Office
and
State of Utah
School and Institutional Trust Lands Administration

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 08-252

October 2, 2008

United States Department of Interior (FLPMA)
Permit No. 07-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0849b,s

NEWFIELD EXPLORATION COMPANY

**PALEONTOLOGICAL SURVEY OF PROPOSED
HIGH PRESSURE GAS PIPELINE
NW 1/4, Sec. 31, T 8 S, R 18 E, to SW 1/4, Sec. 28, T 8 S, R 18 E
(3-31-8-18 to 13 & 14-28-8-18)**

AND

**ONE 40 ACRE PARCEL
SW 1/4, SW 1/4, Sec. 21, T 8 S, R 18 E
(13-21-8-18)**

AND

**WATER PIPELINE TIE-INS
NE 1/4, NW 1/4, Sec. 33, T 8 S, R 17 E (2-33-8-17); NE 1/4, SW 1/4, Sec. 3, T 9 S, R 17 E
(3-11-9-17); SW 1/4, NW 1/4, Sec. 3, T 9 S, R 17 E (5-3-9-17); NE 1/4, SE 1/4, Sec. 3, T 9 S,
R 17 E (9-3-9-17); NE 1/4, NW 1/4, Sec. 16, T 9 S, R 17 E (16-3-9-17); SE 1/4, NW 1/4, Sec.
35, T 8 S, R 16 E (6-35-8-16); NE 1/4, NW 1/4, Sec. 35, T 8 S, R 16 E (3A-35-8-16); NW 1/4,
SE 1/4, Sec. 34, T 8 S, R 16 E (10-34-8-16)**

Duchesne & Uintah Counties, Utah

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
October 9, 2008

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/10/2008

API NO. ASSIGNED: 43-013-34129

WELL NAME: GB II FED N-3-9-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

~~SW~~ 03 090S 170E

SURFACE: 1871 FNL 0760 FWL

BOTTOM: 2580 FNL 1350 FWL

COUNTY: DUCHESNE

LATITUDE: 40.06211 LONGITUDE: -109.9987

UTM SURF EASTINGS: 585395 NORTHINGS: 4434921

FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-61252

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-7478)
- 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 from Siting
- R649-3-11. Directional Drill

COMMENTS:

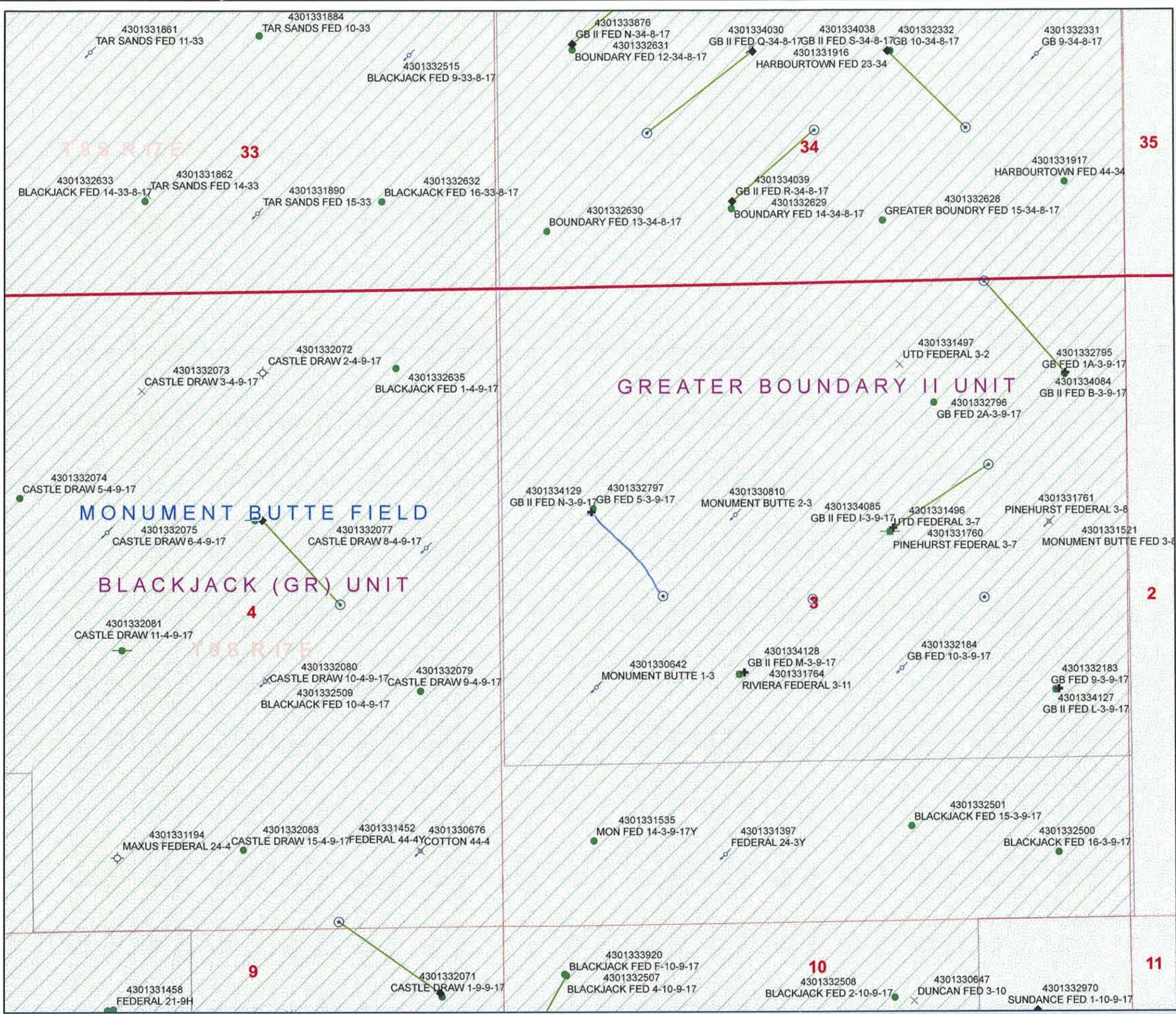
Sep, Separate file

STIPULATIONS:

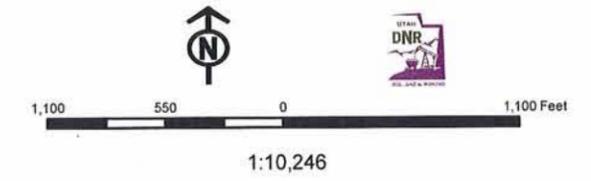
Federal Approval

API Number: 4301334129
Well Name: GB II FED N-3-9-17
Township 09.0 S Range 17.0 E Section 03
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 GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
Fields	POW
STATUS	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
Township	TW
	WD
	WI
	WS



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)

November 12, 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)		
43-013-34127	GB II Fed L-3-9-17 Sec 03 T09S R17E 1901 FSL 0604 FEL BHL Sec 03 T09S R17E 2640 FNL 1224 FEL	
43-013-34128	GB II Fed M-3-9-17 Sec 03 T09S R17E 2067 FSL 2024 FWL BHL Sec 03 T09S R17E 2630 FNL 2615 FWL	
43-013-34129	GB II Fed N-3-9-17 Sec 03 T09S R17E 1871 FNL 0760 FWL BHL Sec 03 T09S R17E 2580 FNL 1350 FWL	

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



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

November 18, 2008

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

Re: Greater Boundary II Federal N-3-9-17 Well, Surface Location 1871' FNL, 760' FWL, SW NW, Sec. 3, T. 9 South, R. 17 East, Bottom Location 2580' FNL, 1350' FWL, SW NW, Sec. 3, T. 9 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 43-013-34129.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Greater Boundary II Federal N-3-9-17

API Number: 43-013-34129

Lease: UTU-61252

Surface Location: SW NW **Sec.** 3 **T.** 9 South **R.** 17 East

Bottom Location: SW NW **Sec.** 3 **T.** 9 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-61252

6. If Indian, Allottee or Tribe Name
NA

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

8. Lease Name and Well No.
Greater Boundary II Federal N-3-9-17

9. API Well No.
43 013 34129

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 3, T9S R17E

12. County or Parish
Duchesne

13. State
UT

1a. Type of work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface SW/NW 1871' FNL 760' FWL
At proposed prod. zone 2580' FNL 1350' FWL

14. Distance in miles and direction from nearest town or post office*
Approximately 14.3 miles southeast of Myton, UT

15. Distance from proposed* location to nearest property or lease line, ft. Approx. 60' f/lease, 1350' f/unit (Also to nearest drig. unit line, if any)

16. No. of acres in lease
~~128.06~~ 279.570

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. 1348'

19. Proposed Depth
6,065'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5113' GL

22. Approximate date work will start*
1st Qtr. 2009

23. Estimated duration
(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, must be attached to this form:

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

25. Signature
Mandie Crozier

Name (Printed/Typed)
Mandie Crozier

Date
10/29/08

Title
Regulatory Specialist

Approved by (Signature)
Jerry Knevela
Regional Field Manager
Lands & Mineral Resources

Name (Printed/Typed)
JERRY KNEVELA
Office
VERNAL FIELD OFFICE

Date
MAY 28 2009

Application approval 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.
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.

(Continued on page 2)

*(Instructions on page 2)

NOS 8708
AFMSS#08PP1071A

BUREAU OF LAND MGMT
DEPT OF THE INTERIOR

NOTICE OF APPROVAL

RECEIVED

JUN 11 2009



DIV. OF OIL, GAS & MINING



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	NESW, Sec. 3, T9S, R17E
Well No:	Greater Boundary II Federal N-3-9-17	Lease No:	UTU-61252
API No:	43-013-34129	Agreement:	Greater Boundary II (GR) Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
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:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544

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)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- 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.
- Construction of the proposed water line will be monitored by a permitted paleontologist. All mitigation-curation of vertebrates and other scientifically significant fossils that may be affected by the construction will be reported.
- A cactus survey will be required prior to the construction of the water injection line.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

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

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	<i>Kochia prostrata</i>	0.20	¼"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

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

Final reclamation:

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

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

SITE SPECIFIC DOWNHOLE COAs:

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: June 24, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

(from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

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

OPERATING REQUIREMENT REMINDERS:

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

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-61252
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II (GR)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GB II FED N-3-9-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013341290000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1871 FNL 0760 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 03 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: DUCHESNE
	STATE: UTAH

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

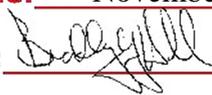
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/10/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield requests to extend the permit to drill this year for one year.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: November 12, 2009

By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 11/10/2009	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013341290000

API: 43013341290000

Well Name: GB II FED N-3-9-17

Location: 1871 FNL 0760 FWL QTR SWSW SEC 03 TWP 090S RNG 170E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 11/18/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

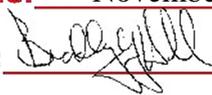
**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Mandie Crozier

Date: 11/10/2009

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: November 12, 2009

By: 

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-61252

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

7. Unit or CA Agreement Name and No.
GMBU

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

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

8. Lease Name and Well No.
GREATER BOUNDARY II N-3-9-17

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 1871' FNL & 760' FWL (SW/NW) SEC. 3, T9S, R17E (UTU-61252)

9. AFI Well No.
43-013-34129

At top prod. interval reported below 2442' FNL & 1240' FWL (SW/NW) SEC. 3, T9S, R17E (UTU-61252)

10. Field and Pool or Exploratory
MONUMENT BUTTE

At total depth ^{2549' FSL & 1477' FWL} 2549' FSL & 1477' FWL (NE/SW) SEC. 3, T9S, R17E (UTU-61252)

11. Sec., T., R., M., on Block and
Survey or Area SEC. 3, T9S, R17E

14. Date Spudded
03/21/2010

15. Date T.D. Reached
03/30/2010

16. Date Completed 04/22/2010
 D & A Ready to Prod.

12. County or Parish
DUCHESNE

13. State
UT

18. Total Depth: MD 6160'
TVD 6043'

19. Plug Back T.D.: MD 6108'
TVD 5992'

17. Elevations (DF, RKB, RT, GL)*
5113' GL 5125' KB

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	314'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6153'		280 PRIMLITE		120'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6097'	TA @ 5930'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			5926-5932' CP5	.36"	3	18
B) Green River			5648-5705' CP1 CP2	.36"	3	30
C) Green River			5285-5290' A3	.36"	3	27
D) Green River			4636-4646' DS1	.36"	3	30

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

Depth Interval	Amount and Type of Material
5926-5932'	Frac w/ 14833#'s 20/40 sand in 124 bbls of Lightning 17 fluid.
5648-5705'	Frac w/ 80263#'s 20/40 sand in 479 bbls of Lightning 17 fluid.
5285-5290'	Frac w/ 35150#'s 20/40 sand in 226 bbls of Lightning 17 fluid.
4636-4646'	Frac w/ 60030#'s 20/40 sand in 361 bbls of Lightning 17 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
4-23-10	5-10-10	24	→	39	0	149			2-1/2" x 1-3/4" x 21' x 24' 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	
			→						

RECEIVED
JUN 03 2010
DIV. OF OIL, GAS & MINING

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3761' 3950'
				GARDEN GULCH 2 POINT 3	4067' 4337'
				X MRKR Y MRKR	4570' 4608'
				DOUGALS CREEK MRK BI CARBONATE MRK	4740' 4990'
				B LIMESTON MRK CASTLE PEAK	5132' 5592'
				BASAL CARBONATE	6011'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (PB7 & GB6) 4326-4380', .36" 3/24 Frac w/ 55645#s of 20/40 sand in 343 bbls of Lightning 17 fluid

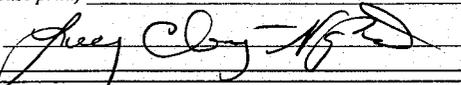
33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature 

Date 05/24/2010

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 3 T9S, R17E
N-3-9-17**

Wellbore #1

Design: Actual

Standard Survey Report

17 May, 2010

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R17E
Well: N-3-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-3-9-17
TVD Reference: N-3-9-17 @ 5125.0ft
MD Reference: N-3-9-17 @ 5125.0ft
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		

Site	SECTION 3 T9S, R17E, SEC 3 T9S, R17E				
Site Position:		Northing:	7,194,150.00ft	Latitude:	40° 3' 36.209 N
From:	Map	Easting:	2,062,000.00ft	Longitude:	109° 59' 37.280 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.96 °

Well	N-3-9-17, SHL LAT: 40 03 43.40, LONG: -109 59 57.98					
Well Position	+N/-S	0.0 ft	Northing:	7,194,850.45 ft	Latitude:	40° 3' 43.400 N
	+E/-W	0.0 ft	Easting:	2,060,378.67 ft	Longitude:	109° 59' 57.980 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	0.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	2008/08/28	(°) 11.64	(°) 65.90	(nT) 52,594

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	140.28	

Survey Program	Date 2010/05/17				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
422.0	6,160.0	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
422.0	1.20	164.10	422.0	-4.2	1.2	4.0	0.28	0.28	0.00
453.0	0.90	174.70	453.0	-4.8	1.3	4.5	1.15	-0.97	34.19
514.0	0.80	153.20	514.0	-5.7	1.6	5.4	0.54	-0.16	-35.25
575.0	1.60	147.50	574.9	-6.8	2.2	6.6	1.32	1.31	-9.34
636.0	2.20	142.80	635.9	-8.4	3.4	8.6	1.02	0.98	-7.70
697.0	2.90	136.80	696.8	-10.5	5.1	11.3	1.23	1.15	-9.84
757.0	3.70	135.90	756.7	-13.0	7.5	14.8	1.34	1.33	-1.50
820.0	4.70	139.40	819.6	-16.4	10.6	19.4	1.64	1.59	5.56
848.0	4.90	141.90	847.5	-18.2	12.1	21.7	1.03	0.71	8.93
881.0	5.30	140.60	880.4	-20.5	13.9	24.7	1.26	1.21	-3.94
913.0	5.70	144.70	912.2	-22.9	15.8	27.7	1.75	1.25	12.81
944.0	6.40	145.00	943.0	-25.6	17.7	31.0	2.26	2.26	0.97



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R17E
Well: N-3-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-3-9-17
TVD Reference: N-3-9-17 @ 5125.0ft
MD Reference: N-3-9-17 @ 5125.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

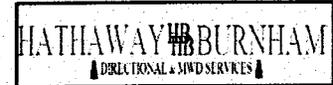
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
976.0	7.10	145.50	974.8	-28.7	19.8	34.7	2.20	2.19	1.56
1,008.0	7.90	143.60	1,006.5	-32.1	22.2	38.9	2.62	2.50	-5.94
1,039.0	8.40	142.30	1,037.2	-35.6	24.9	43.3	1.72	1.61	-4.19
1,071.0	9.00	143.00	1,068.9	-39.4	27.8	48.1	1.90	1.88	2.19
1,103.0	8.94	143.34	1,100.5	-43.4	30.8	53.1	0.25	-0.19	1.06
1,135.0	9.40	143.88	1,132.1	-47.5	33.8	58.2	1.46	1.44	1.69
1,167.0	10.20	144.06	1,163.6	-51.9	37.0	63.6	2.50	2.50	0.56
1,198.0	10.35	143.09	1,194.1	-56.4	40.3	69.1	0.74	0.48	-3.13
1,294.0	11.80	143.20	1,288.3	-71.1	51.4	87.6	1.51	1.51	0.11
1,325.0	11.90	142.70	1,318.6	-76.2	55.2	93.9	0.46	0.32	-1.61
1,357.0	12.20	142.20	1,349.9	-81.5	59.3	100.6	0.99	0.94	-1.56
1,452.0	12.74	140.30	1,442.7	-97.5	72.1	121.1	0.71	0.57	-2.00
1,547.0	12.57	137.35	1,535.4	-113.2	85.8	141.9	0.70	-0.18	-3.11
1,642.0	12.26	135.05	1,628.2	-127.9	100.0	162.3	0.61	-0.33	-2.42
1,737.0	11.76	138.45	1,721.1	-142.3	113.5	182.0	0.91	-0.53	3.58
1,832.0	11.80	137.54	1,814.1	-156.7	126.5	201.4	0.20	0.04	-0.96
1,927.0	11.18	139.13	1,907.2	-170.8	139.1	220.3	0.73	-0.65	1.67
2,022.0	11.18	136.21	2,000.4	-184.5	151.5	238.7	0.60	0.00	-3.07
2,117.0	11.73	136.96	2,093.5	-198.2	164.4	257.5	0.60	0.58	0.79
2,212.0	11.91	134.58	2,186.5	-212.1	178.0	276.9	0.55	0.19	-2.51
2,308.0	11.90	136.10	2,280.4	-226.2	191.9	296.6	0.33	-0.01	1.58
2,403.0	13.10	140.70	2,373.2	-241.6	205.5	317.2	1.64	1.26	4.84
2,498.0	14.00	141.11	2,465.5	-258.9	219.6	339.4	0.95	0.95	0.43
2,593.0	13.30	137.50	2,557.8	-275.9	234.2	361.8	1.16	-0.74	-3.80
2,688.0	12.10	135.90	2,650.5	-291.1	248.5	382.7	1.32	-1.26	-1.68
2,783.0	12.90	135.10	2,743.2	-305.7	262.9	403.2	0.86	0.84	-0.84
2,877.0	13.71	136.52	2,834.7	-321.2	278.0	424.7	0.93	0.86	1.51
2,973.0	12.88	136.14	2,928.2	-337.2	293.2	446.8	0.87	-0.86	-0.40
3,068.0	13.70	139.42	3,020.6	-353.4	307.9	468.6	1.17	0.86	3.45
3,163.0	12.80	138.90	3,113.1	-369.9	322.1	490.3	0.96	-0.95	-0.55
3,258.0	13.89	143.57	3,205.5	-387.0	335.8	512.2	1.61	1.15	4.92
3,353.0	13.90	142.30	3,297.7	-405.2	349.5	535.0	0.32	0.01	-1.34
3,447.0	13.49	140.47	3,389.1	-422.6	363.4	557.3	0.63	-0.44	-1.95
3,543.0	13.32	139.88	3,482.4	-439.7	377.7	579.5	0.23	-0.18	-0.61
3,638.0	13.14	140.72	3,574.9	-456.4	391.6	601.3	0.28	-0.19	0.88
3,733.0	12.30	141.10	3,667.6	-472.6	404.8	622.2	0.89	-0.88	0.40
3,828.0	12.15	142.82	3,760.4	-488.5	417.2	642.3	0.41	-0.16	1.81
3,923.0	12.26	143.13	3,853.3	-504.5	429.3	662.4	0.13	0.12	0.33
4,018.0	13.10	143.59	3,946.0	-521.2	441.7	683.2	0.89	0.88	0.48
4,114.0	13.20	143.59	4,039.5	-538.8	454.7	705.0	0.10	0.10	0.00
4,209.0	12.30	140.82	4,132.1	-555.4	467.5	725.9	1.15	-0.95	-2.92
4,304.0	11.80	140.30	4,225.0	-570.7	480.1	745.8	0.54	-0.53	-0.55
4,399.0	11.50	138.20	4,318.1	-585.2	492.6	764.9	0.55	-0.32	-2.21
4,494.0	12.10	136.60	4,411.1	-599.5	505.8	784.3	0.72	0.63	-1.68
4,589.0	12.50	137.70	4,503.9	-614.4	519.5	804.5	0.49	0.42	1.16
4,684.0	12.40	137.70	4,596.6	-629.5	533.3	825.0	0.11	-0.11	0.00
4,780.0	12.66	137.70	4,690.4	-644.9	547.3	845.8	0.27	0.27	0.00
4,874.0	13.03	140.25	4,782.0	-660.7	561.0	866.7	0.72	0.39	2.71
4,969.0	11.84	139.66	4,874.8	-676.3	574.2	887.2	1.26	-1.25	-0.62
5,065.0	11.18	138.45	4,968.8	-690.8	586.7	906.3	0.73	-0.69	-1.26
5,160.0	11.44	139.93	5,062.0	-704.9	598.9	924.9	0.41	0.27	1.56
5,255.0	10.99	139.64	5,155.2	-719.0	610.8	943.4	0.48	-0.47	-0.31
5,294.4	11.37	140.92	5,193.8	-724.9	615.7	951.0	1.15	0.96	3.26

N-3-9-17 TGT



HATHAWAY BURNHAM

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 3 T9S, R17E
Well: N-3-9-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well N-3-9-17
TVD Reference: N-3-9-17 @ 5125.0ft
MD Reference: N-3-9-17 @ 5125.0ft
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)
5,350.0	11.91	142.60	5,248.3	-733.7	622.7	962.3	1.15	0.97	3.01
5,445.0	11.65	145.11	5,341.3	-749.4	634.1	981.6	0.60	-0.27	2.64
5,540.0	11.03	141.86	5,434.4	-764.4	645.2	1,000.3	0.94	-0.65	-3.42
5,635.0	10.57	141.80	5,527.8	-778.4	656.2	1,018.0	0.48	-0.48	-0.06
5,730.0	12.30	143.60	5,620.9	-793.4	667.6	1,036.9	1.86	1.82	1.89
5,825.0	11.10	143.80	5,713.9	-808.9	679.0	1,056.1	1.26	-1.26	0.21
5,920.0	11.44	142.47	5,807.1	-823.8	690.1	1,074.6	0.45	0.36	-1.40
6,016.0	10.59	142.16	5,901.3	-838.3	701.3	1,093.0	0.89	-0.89	-0.32
6,092.0	10.68	144.74	5,976.0	-849.5	709.7	1,107.0	0.64	0.12	3.39
6,145.0	10.68	144.74	6,028.1	-857.6	715.4	1,116.8	0.00	0.00	0.00
6,160.0	10.68	144.74	6,042.8	-859.8	717.0	1,119.5	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
N-3-9-17 TGT	0.00	0.00	5,200.0	-707.9	588.1	7,194,152.53	2,060,978.58	40° 3' 36.404 N	109° 59' 50.416 W
- actual wellpath misses by 33.0ft at 5294.4ft MD (5193.8 TVD, -724.9 N, 615.7 E)									
- Circle (radius 75.0)									

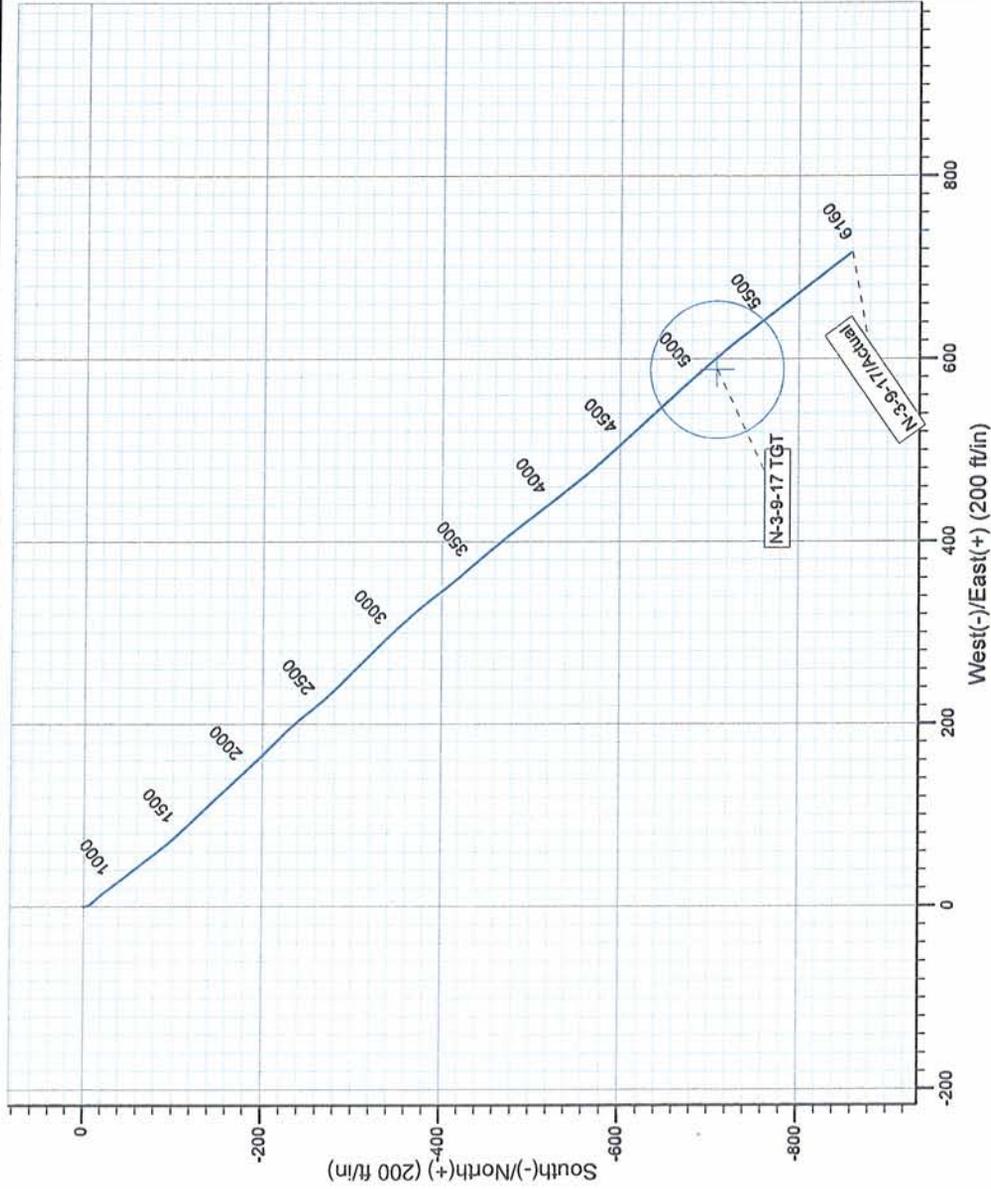
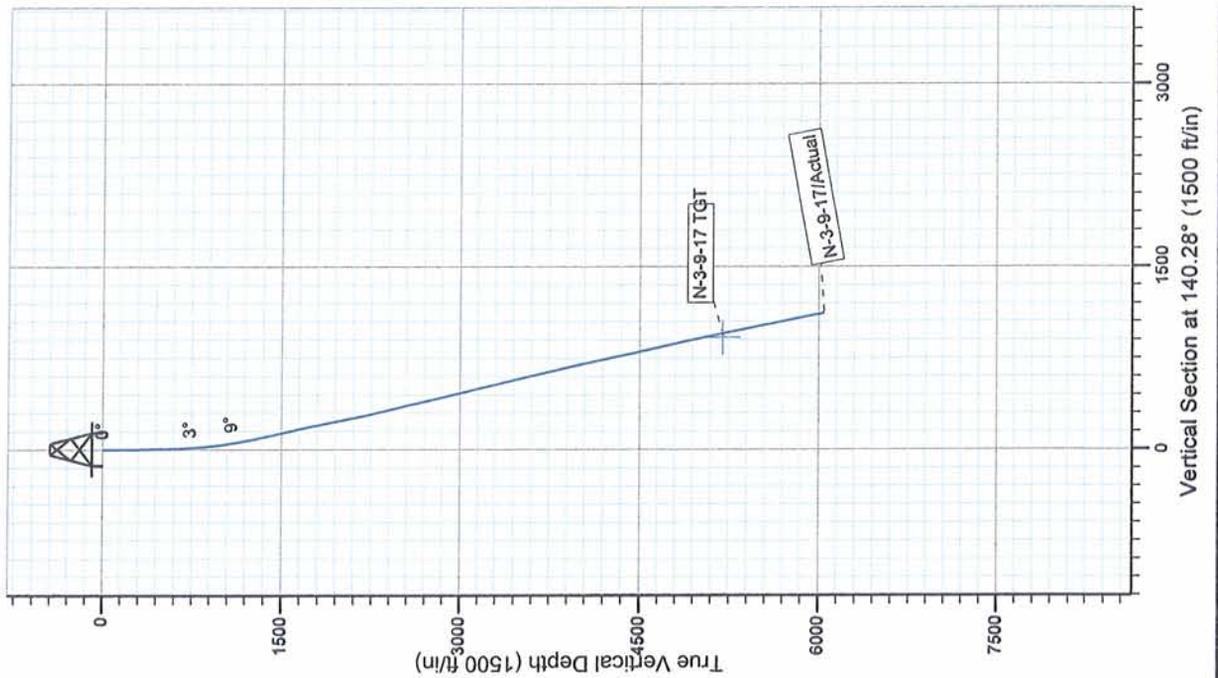
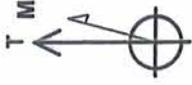
Checked By: _____ Approved By: _____ Date: _____



Project: USGS Myton SW (UT)
 Site: SECTION 3 T9S, R17E
 Well: N-3-9-17
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT

Azimuths to True North
 Magnetic North: 11.63°
 Magnetic Field
 Strength: 52594.2snT
 Dip Angle: 65.90°
 Date: 2008/08/28
 Model: IGRF200510



Design: Actual (N-3-9-17/Wellbore #1)

Created By: *Jim Hubbard*
 Date: 16:16, May 17 2010
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.



Daily Activity Report

Format For Sundry

GRTR BNDRY II N-3-9-17**1/1/2010 To 5/30/2010****GRTR BNDRY II N-3-9-17****Waiting on Cement****Date:** 3/23/2010

Ross #21 at 315. Days Since Spud - On 3/21/10 Ross Rig #29 spud GB II N-3-9-17, drilled 315' of 12 1/4" hole, and ran 7 jts 8 5/8" - casing (guide shoe, shoe jt, baffle plate, 6 jts) set @ 313.95' KB. On 3/23/10 BJ Services cemented - Returned 3 bbls to pit. - 8 5/8" casing w/ 160 sks Class "G" + 2% CaCl₂ + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield.

Daily Cost: \$0**Cumulative Cost:** \$47,406**GRTR BNDRY II N-3-9-17****Rigging down****Date:** 3/26/2010

NDSI #2 at 315. 0 Days Since Spud - Rig down prepair to move

Daily Cost: \$0**Cumulative Cost:** \$50,930**GRTR BNDRY II N-3-9-17****Drill 7 7/8" hole with fresh water****Date:** 3/27/2010

NDSI #2 at 2182. 1 Days Since Spud - Pressure Test Pipe and Blind Rams, Choke, Kelly, and Safety Valve to 2,000PSI - Move Rig F/ Sundance P-11-9-17 to GB N-3-9-17 - P/U BHA as follow Smith MI616 7 7/8" PDC bit, 6.5" Hunting 7/8-4.8 .33 1.5° MM, 1X30' Monel, - 1X7'Gap Sub, 1 X 2.58' Antenna Sub, 1X30' Monel, 26 HWDP - P/U Kelly and Gain Circulation - Drill 7 7/8" hole F/ 280' to 2182' W/ 25,000lbs WOB, 144TRPM, 395 GPM,146 FPH avg ROP - Work on Pump Motor - Test Surface csg to 1,500 PSI all tested good

Daily Cost: \$0**Cumulative Cost:** \$77,347**GRTR BNDRY II N-3-9-17****Circulate & Condition Hole****Date:** 3/28/2010

NDSI #2 at 3976. 2 Days Since Spud - Drill 77/8" hole f/ 2519' to 3976' WOB=25,000#s RPMS= 145 GPM= 289 ROP= 112' pr hr - Rig serv - Drill 77/8" hole f/ 2265' to 2519' WOB=25,000#s RPMS= 145 GPM= 289 ROP= 101.6' pr hr - Change out PZ-9 to a PZ-7 - Drill 77/8" hole f/ 2182' to 2265' WOB=25,000#s RPMS= 145 GPM= 289 ROP= 166' pr hr - Hit gas & Circ threw choke

Daily Cost: \$0**Cumulative Cost:** \$107,032**GRTR BNDRY II N-3-9-17****Drill 7 7/8" hole with salt water****Date:** 3/29/2010

NDSI #2 at 5625. 3 Days Since Spud - Drill 7 7/8" Hole With 9.1# Brine Water, From 4357' To 5625', 25,000 lbs WOB,151 RPM,290 GPM, 72.4 - BOP Drill All Hands In Place 1 Min. - Boiler 18 Hrs - No Flow @ 4801' - No H₂s Reported Last 24 Hrs - fph Avg ROP. - Rig Service, BOP Drill All Hands In Place 1 Min. - Drill 7 7/8" Hole With 9.1# Brine From 3976' To 4357'. 25,000 WOB,151 RPM,290 GPM,95.2 fph Avg ROP - Kill Well With 8.8# Brine Water, (Thru Choke)

Daily Cost: \$0**Cumulative Cost:** \$150,681

GRTR BNDRY II N-3-9-17**Circulate & Condition Hole****Date:** 3/30/2010

NDSI #2 at 6160. 4 Days Since Spud - R/U Marcus Liddell Casing Crew. Run 141 Jts 5.5 J-55 15.5# LT&C. Shoe Set @ 6153.30' Float Set @ 610 - Float Set @ 6108.25' KB. Transferred 3 jts To GB II Fed L-3-9-17. - Drill 7 7/8" Hole With 9.1# Brine Water From 5625' To 6160'. 25,000 lbs WOB,151 RPM,290 GPM,66.8 fph - AVG ROP - Circ Hole For Laydown & Logs - Lay Down Drillpipe To 4,000' - Pump 260 bbls 10.0# Brine Water - Lay Down Drillpipe & BHA - R/U BJ Services Cement Head Circ Casing With Rig Pump. - Test 5 1/2" Pipe Rams To 2,000 psi For 10 Mins. With B&C Quick Test. - 3,000' Loggers TD 6141' - Log With Phoenix Surveys.Run DISGL/SP/GR Suite;TD ToSurface Casing.DSN/SDL/GR/CAL Suite Logs TD To

Finalized**Daily Cost:** \$0**Cumulative Cost:** \$254,213

GRTR BNDRY II N-3-9-17**Wait on Completion****Date:** 3/31/2010

NDSI #2 at 6160. 5 Days Since Spud - Pressure Test Lines To 4,000 psi - 1.24 Cf/sk yield. (50:50:2 + 3% KCL + 0.5% EC-1 + .25# CF +.3 SMS + FP-6L) Returned 45 bbls To Pit. - PL II + 3% KCL +5# CSE +0.5# CF +2# KOL +. % SMS + FP + SF , Stage 2 400 Sks Mixed @ 14.4 ppg With - Cement 5 1/2" Casing With BJ Services. Stage 1 280 sks Mixed @ 11.0 ppg With 3.50 cf/sk yield(Pumped - Clean Mud Tanks - Nipple Down Bop's.Set Slips With 88,000# Tension - Released Rig @ 1:00 PM 3/30/10 - R/U BJ Cement Head , Circ Casing With Rig

Pump Finalized**Daily Cost:** \$0**Cumulative Cost:** \$291,757

Pertinent Files: Go to File List