

## NEWFIELD



May 24, 2005

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

RE: Applications for Permit to Drill: 4-1-9-17, 7-33-8-16, 1A-3-9-17, 2A-3-9-17,  
and 5-3-9-17. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 4-1-9-17 and 2A-3-9-17 are Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
MAY 31 2005  
DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.  
UTU-61252

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

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

8. Lease Name and Well No.  
Greater Boundary Federal 2A-3-9-17

9. API Well No.  
43-013-32796

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NW/NE 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 NW/NE 1018' FNL 1628' FEL 586272X 40.064490  
At proposed prod. zone 4435195Y -109.988399

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 14.7 miles southeast of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 308' f/ise, 1628' f/unit  
Approx. 1415'

16. No. of Acres in lease  
279.57

17. Spacing Unit dedicated to this well  
Approx. 40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1415'

19. Proposed Depth  
6110'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5087' GL

22. Approximate date work will start\*  
3rd Quarter 2005

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 5/24/05

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 06-07-05

Title ENVIRONMENTAL SCIENTIST III

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

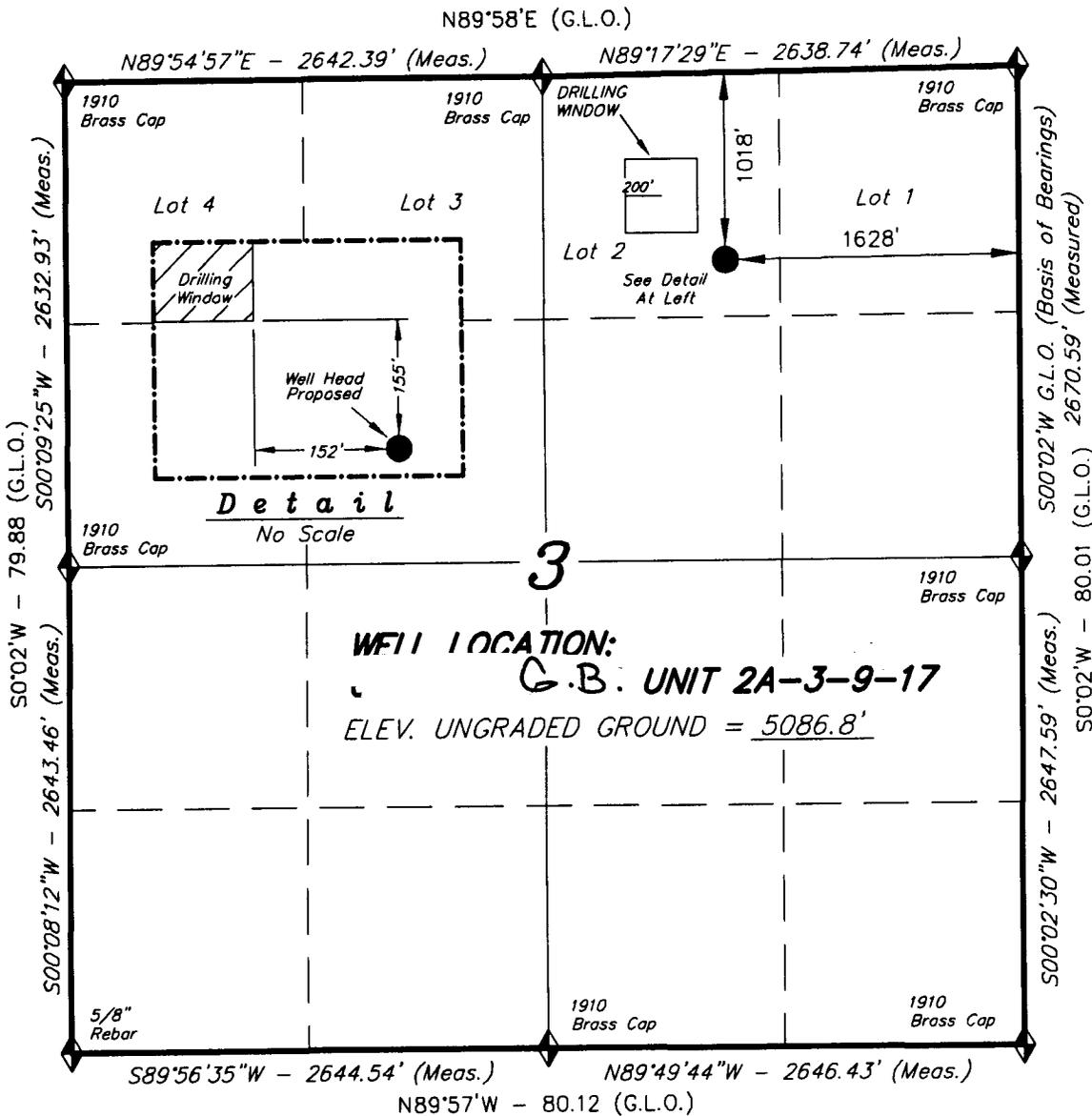
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

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

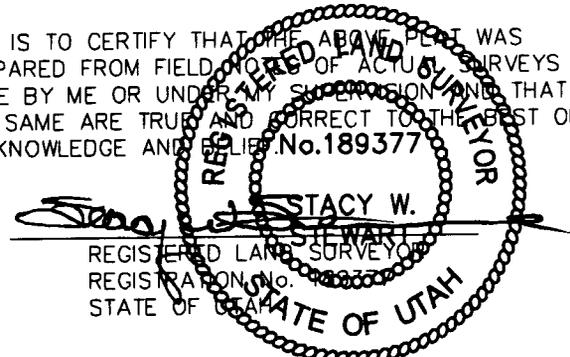
## NEWFIELD PRODUCTION COMPANY



WELL LOCATION, G.B. UNIT 2A-3-9-17, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 3, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 4-5-05	DRAWN BY: F.T.M.
NOTES:	FILE #

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

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

June 7, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District  
 From: Michael Coulthard, Petroleum Engineer  
 Subject: 2003 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 2003 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Green River)

43-013-32795 GB Fed 1A-3-9-17 Sec 3 T09S R17E 0804 FNL 0521 FEL

43-013-32796 GB Fed 2A-3-9-17 Sec 3 T09S R17E 1018 FNL 1628 FEL

43-013-32797 GB Fed 5-3-9-17 Sec 3 T09S R17E 1846 FNL 0775 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-7-05

NEWFIELD PRODUCTION COMPANY  
GREATER BOUNDARY FEDERAL #2A-3-9-17  
NW/NE 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' – 2260'
Green River	2260'
Wasatch	6110'

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

Green River Formation 2260' – 6110' - 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 FEDERAL #2A-3-9-17  
NW/NE 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 Federal #2A-3-9-17 located in the NW 1/4 NE 1/4 Section 3, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.9 miles ± to it's junction with an existing road to the north; proceed northeasterly - 1.2 miles ± to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 880' ± to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

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

**5. LOCATION AND TYPE OF WATER SUPPLY**

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**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

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-69, 3/22/05. Paleontological Resource Survey prepared by, Wade E. Miller, 5/11/05. See attached report cover pages, Exhibit "D".

For the Greater Boundary Federal #2A-3-9-17 Newfield Production Company requests 880' of disturbed area be granted in Lease UTU-61252 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 880' of disturbed area be granted in Lease UTU-61252 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, and a 2" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**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) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Red Tail Hawk:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive red tail hawk nest site, no new construction or surface disturbing activities will be allowed between April 1 and July 15. 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**

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)

Gardner Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Crested Wheatgrass	<i>Agropyron cristatum</i>	4 lbs/acre
Matt Saltbush	<i>Atriplex corrugata</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Greater Boundary Federal #2A-3-9-17 was on-sited on 8/11/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 75 degrees.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
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 #2A-3-9-17 NW/NE 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 Hartford Accident #4488944.

I hereby certify that the proposed drillsite 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.

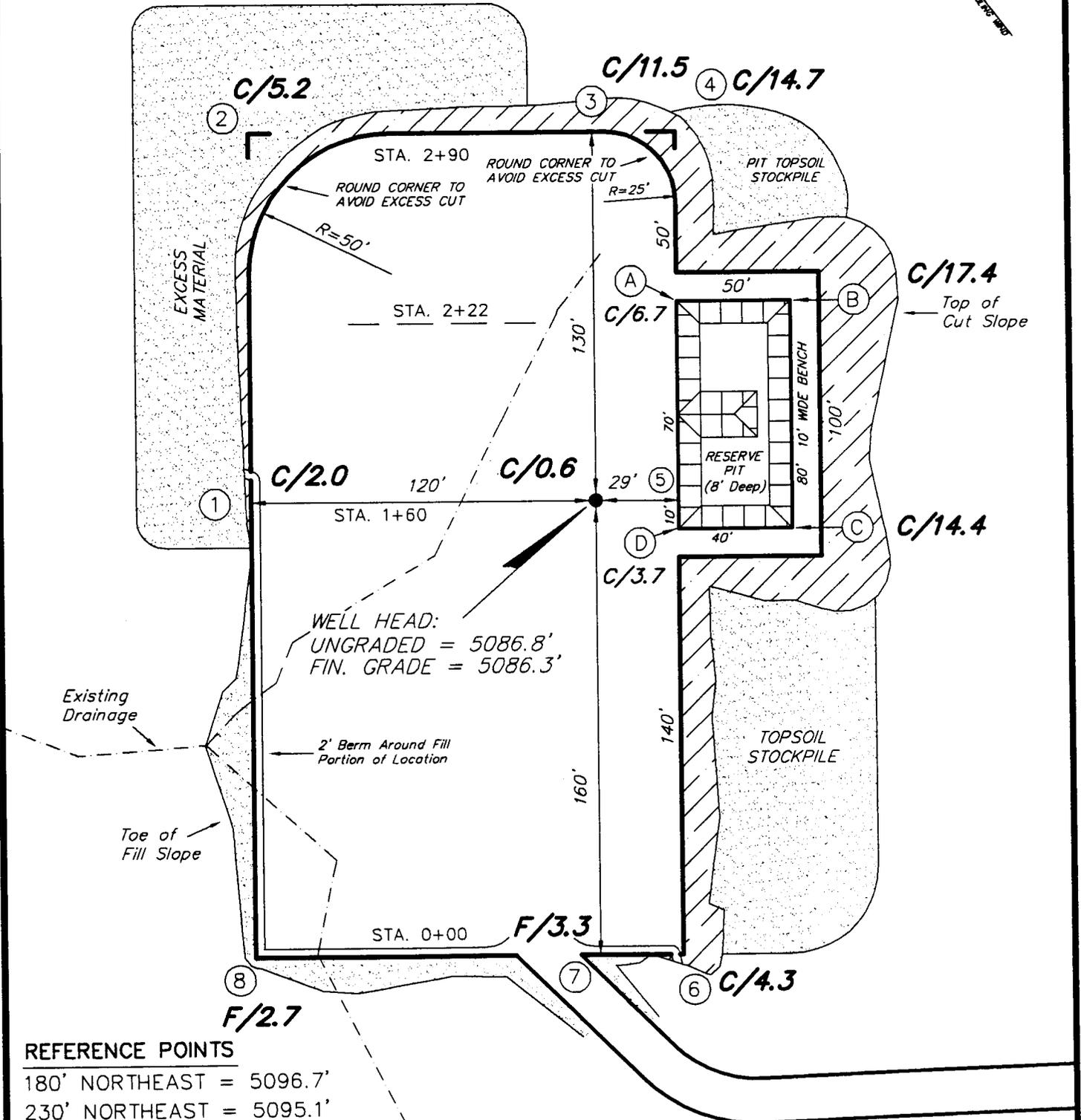
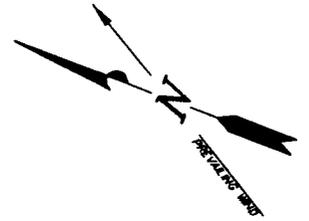
5/24/05  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

UNIT 2A-3-9-17

Section 3, T9S, R17E, S.L.B.&M.



**REFERENCE POINTS**

- 180' NORTHEAST = 5096.7'
- 230' NORTHEAST = 5095.1'
- 170' NORTHWEST = 5088.8'
- 220' NORTHWEST = 5088.0'

PROPOSED ACCESS ROAD (Max. 6% Grade)

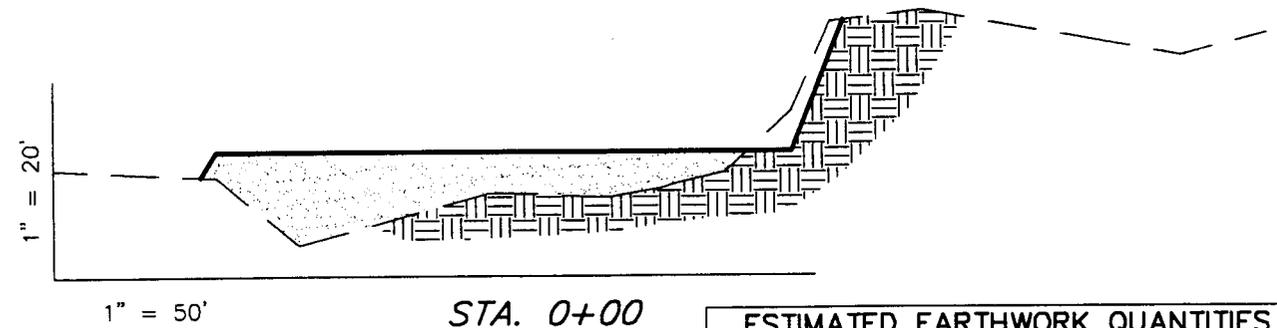
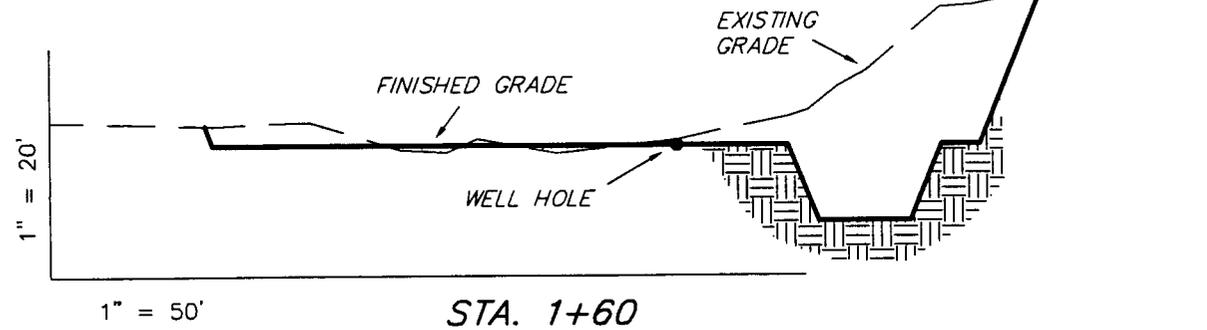
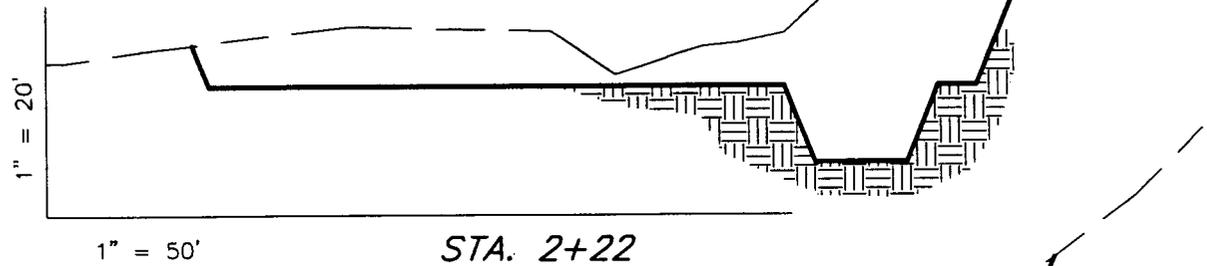
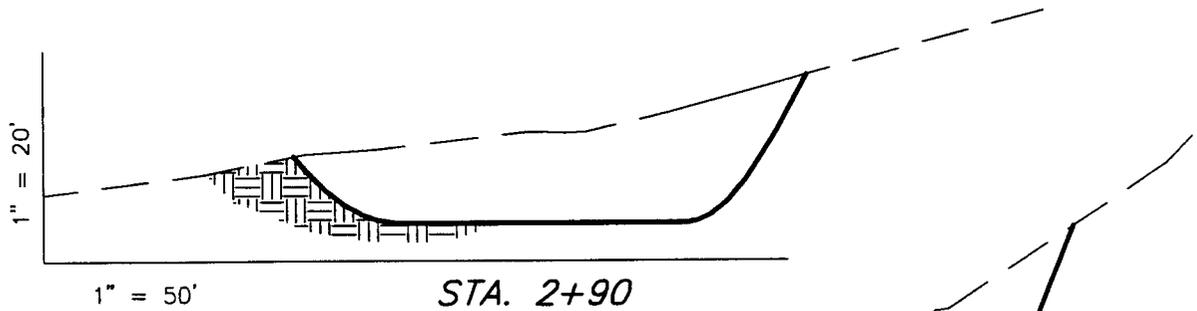
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 4-5-05

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

UNIT 2A-3-9-17



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	7,410	3,220	Topsoil is not included in Pad Cut	4,190
PIT	640	0		640
TOTALS	8,050	3,220	1,080	4,830

SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

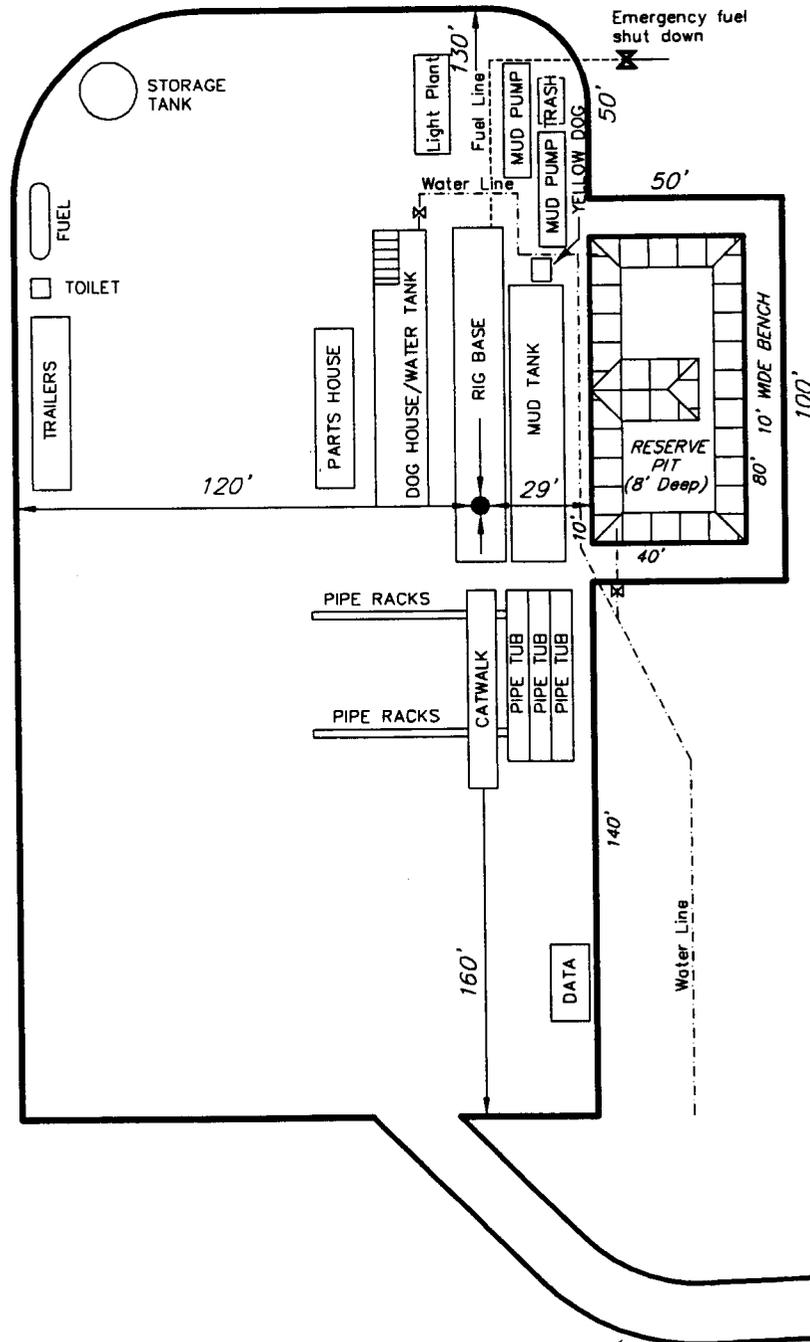
DATE: 4-5-05

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

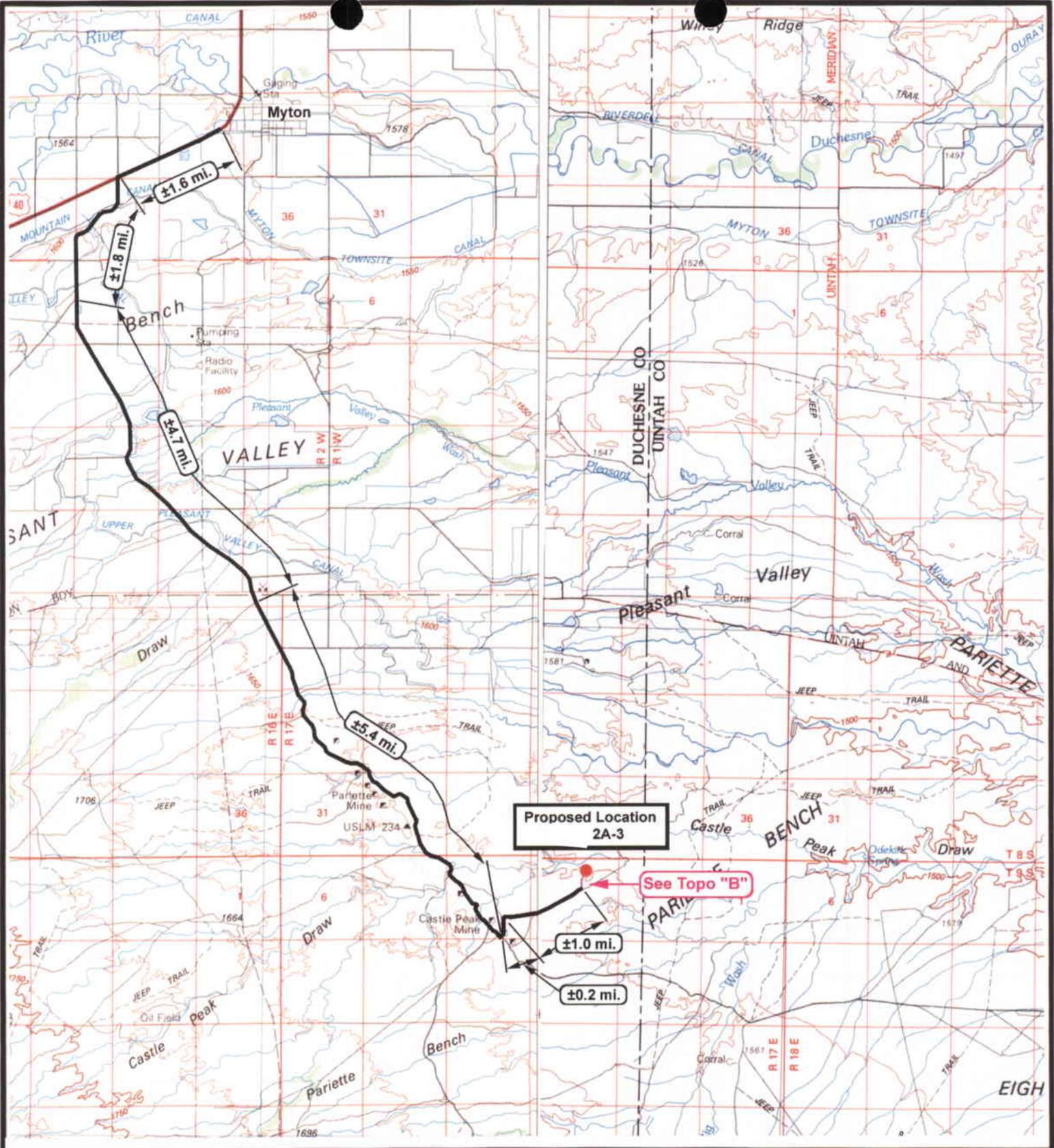
UNIT 2A-3-9-17



PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 4-5-05

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



**NEWFIELD**  
Exploration Company

**Unit 2A-3-9-17**  
**SEC. 3, T9S, R17E, S.L.B.&M.**



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

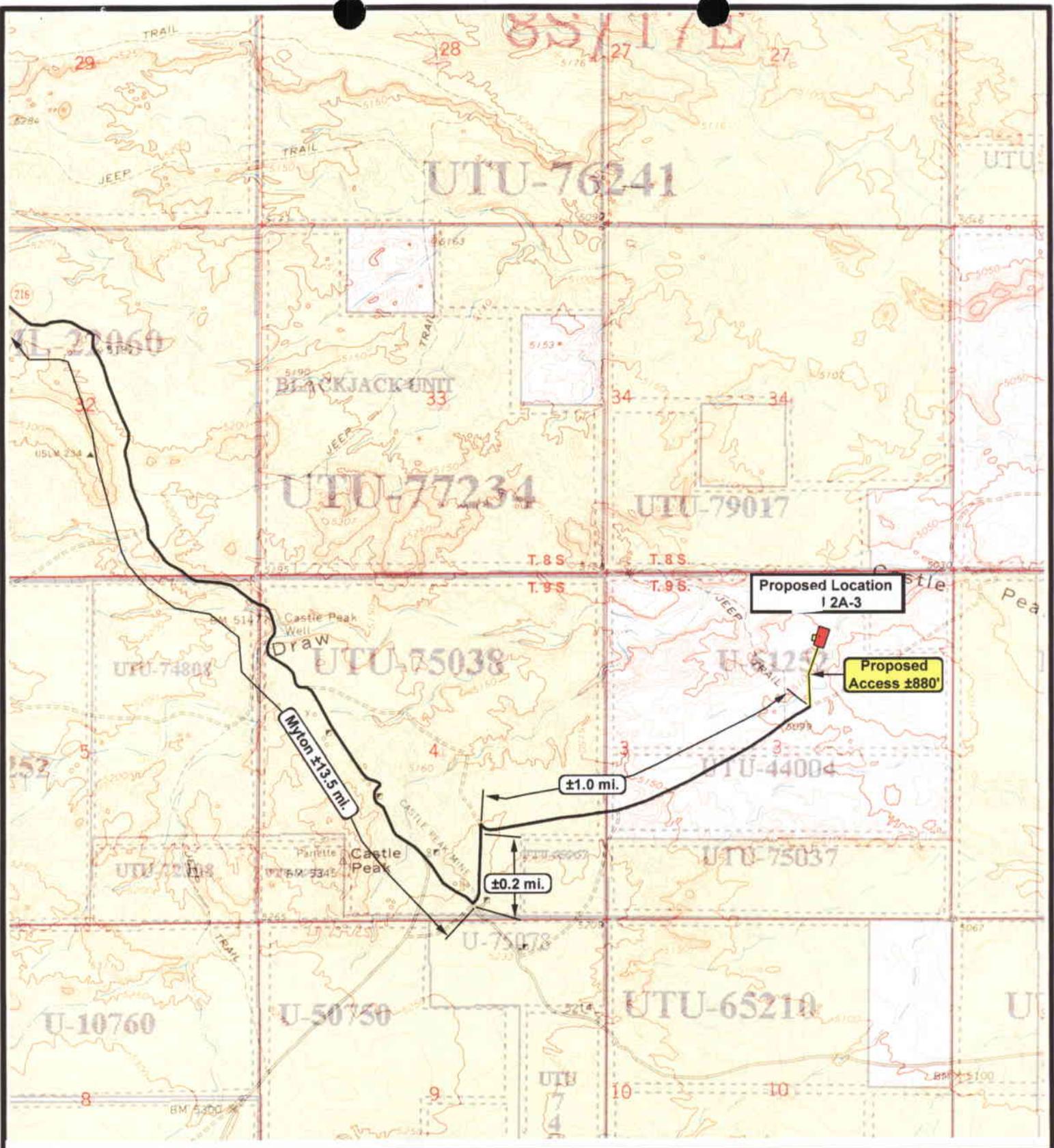
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 04-05-2005

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



**NEWFIELD**  
Exploration Company

**Unit 2A-3-9-17**  
**SEC. 3, T9S, R17E, S.L.B.&M.**



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

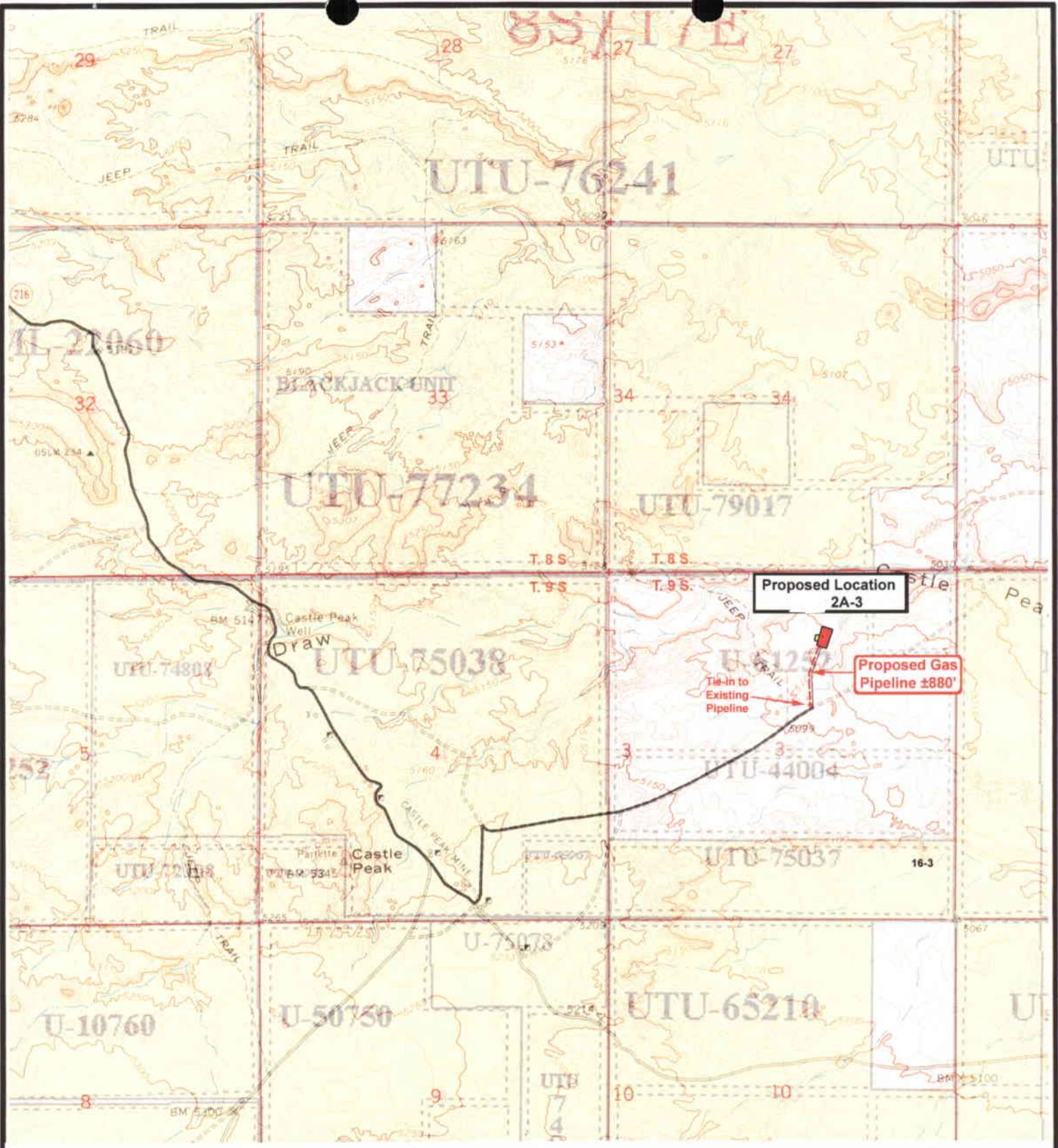
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 04-05-2005

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



 **NEWFIELD**  
Exploration Company

**'Jnit 2A-3-9-17**  
**SEC. 3, T9S, R17E, S.L.B.&M.**



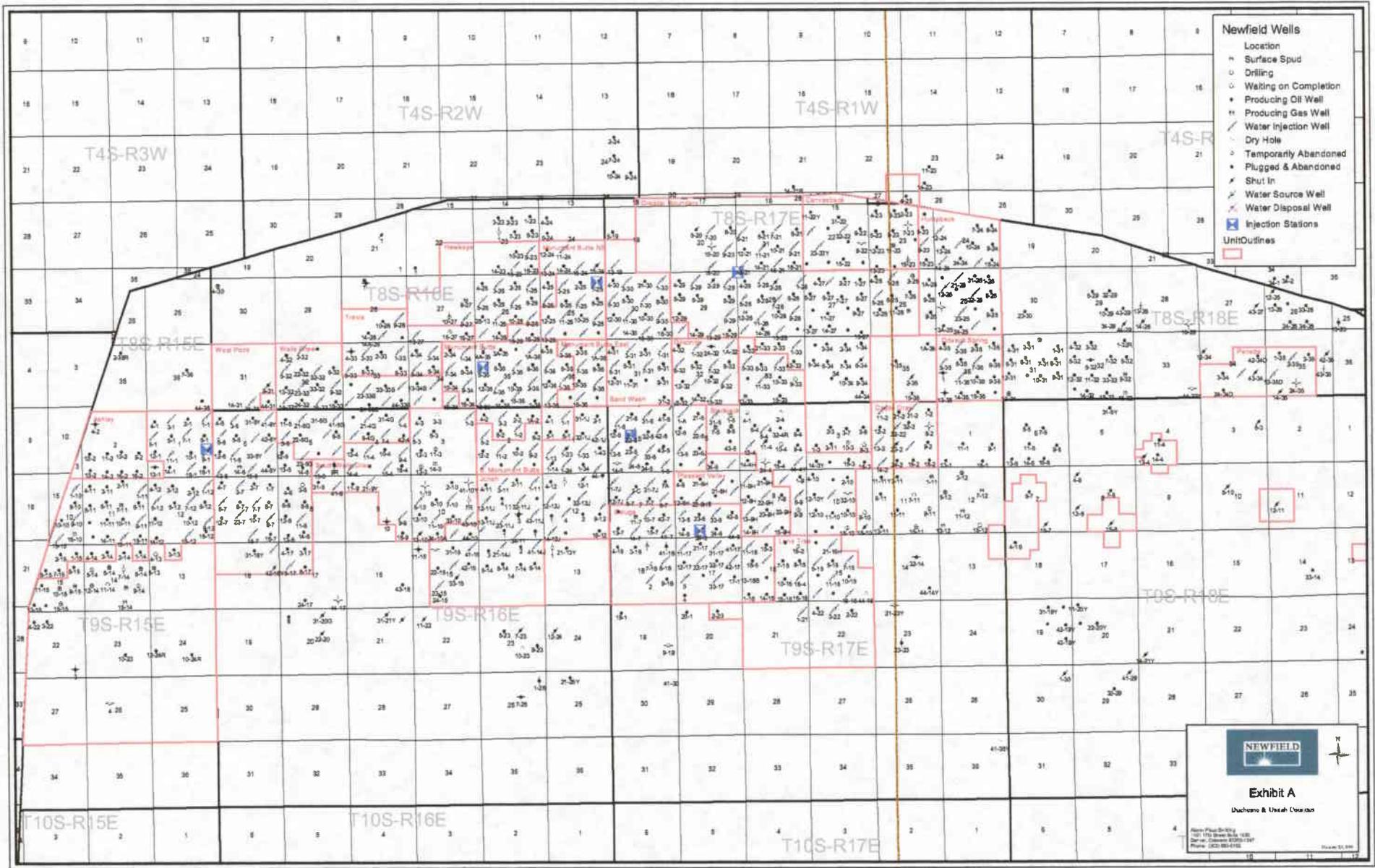
*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

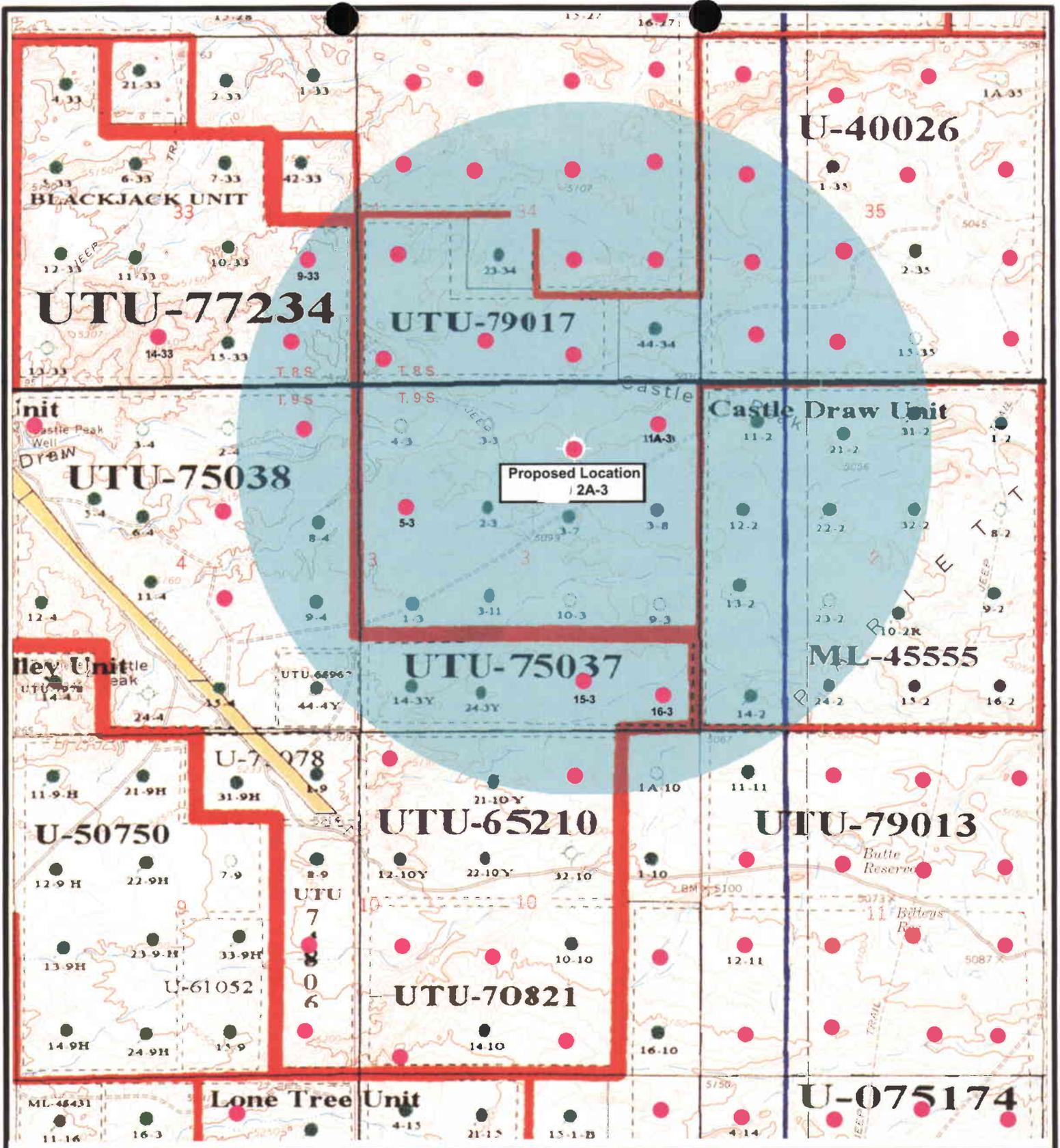
**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 04-05-2005**

**Legend**

-  Roads
-  Existing Gas Line
-  Proposed Gas Line

**TOPOGRAPHIC MAP**  
**"C"**





**NEWFIELD**  
Exploration Company

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**Unit 2A-3-9-17**  
**SEC. 3, T9S, R17E, S.L.B.&M.**

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

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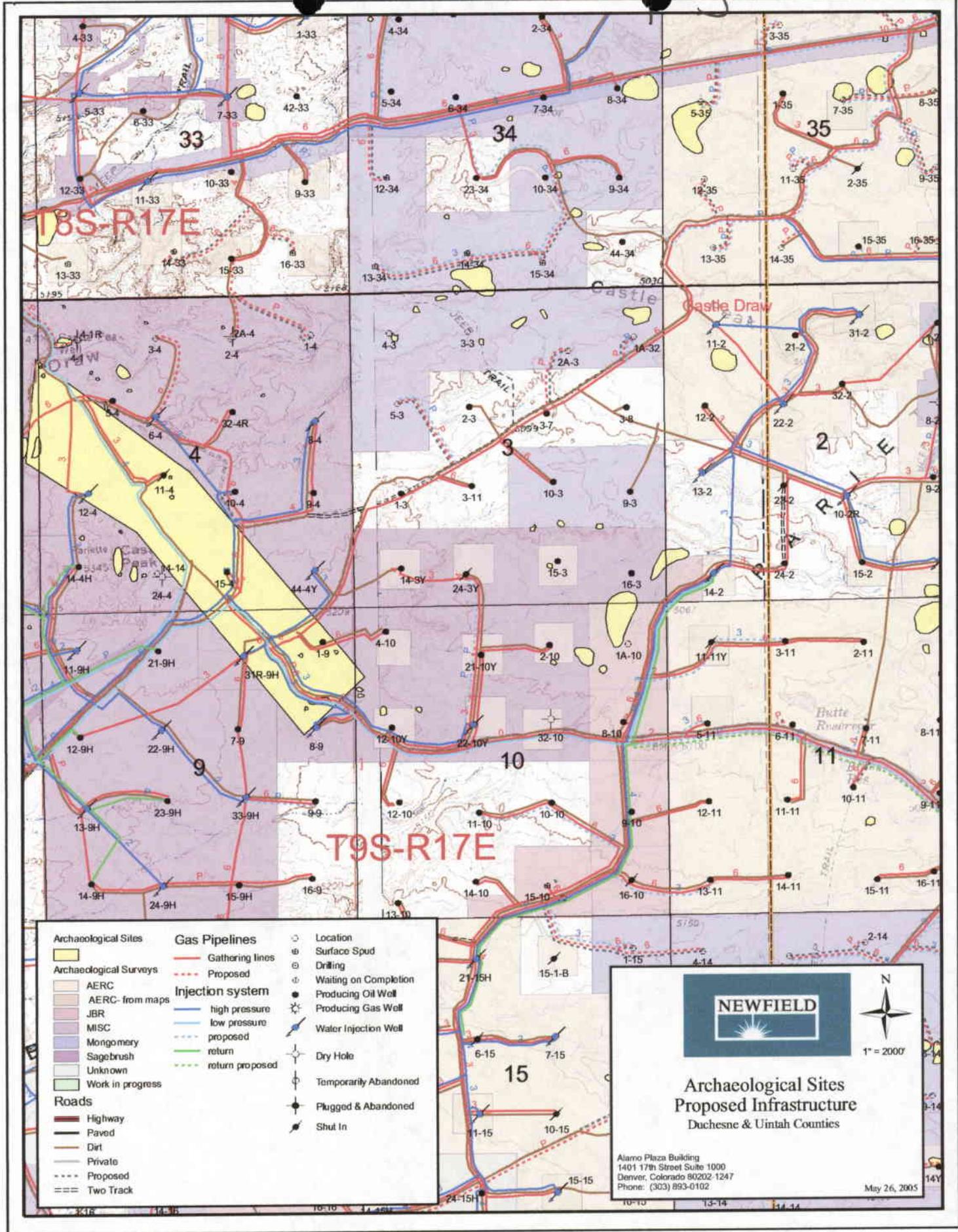
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 04-05-2005

**Legend**

- Well Locations
- One-Mile Radius

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**Exhibit "B"**



<b>Archaeological Sites</b>	<b>Gas Pipelines</b>	○ Location
■ Yellow	— Gathering lines	⊕ Surface Spud
<b>Archaeological Surveys</b>	--- Proposed	⊕ Drilling
■ AERC	<b>Injection system</b>	⊕ Waiting on Completion
■ AERC- from maps	— high pressure	⊕ Producing Oil Well
■ JBR	— low pressure	⊕ Producing Gas Well
■ MISC	--- proposed	⊕ Water Injection Well
■ Montgomery	--- return	⊕ Dry Hole
■ Sagebrush	--- return proposed	⊕ Temporarily Abandoned
■ Unknown		⊕ Plugged & Abandoned
■ Work in progress		⊕ Shut In
<b>Roads</b>		
— Highway		
— Paved		
— Dirt		
— Private		
--- Proposed		
=== Two Track		



**NEWFIELD**



1" = 2000'

**Archaeological Sites  
Proposed Infrastructure**  
Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202 1247  
Phone: (303) 893-0102

May 26, 2005

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

Section 3, T 9 S, R 17 E [NE 1/4 & NW 1/4, NE 1/4 and NE 1/4, NW 1/4  
& SW 1/4, NW 1/4, and NE 1/4 & NW 1/4, SE 1/4]; Section 18, T 9 S, R 16 E  
[excluding NE 1/4, NW 1/4, & SE 1/4, NE 1/4]; Section 15, T 9 S, R 17 E [SE 1/4/ NE 1/4];  
Section 18, T 9 S, R 17 E [western half of section plus SE 1/4 & SW 1/4, SE 1/4];  
Section 33, T 8 S, R 16 E [NW 1/4, NW 1/4 and SW 1/4, NE 1/4]

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 11, 2005



Exhibit "D"  
Page 1 of 4

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S 520 ACRE BLOCK  
PARCELS (T8S, R17E, SEC. 20; T9S R16E SEC. 34;  
T9S R17E SEC. 1, 3, 28; and T9S R18E SEC. 35)  
UINTAH AND DUCHESNE COUNTIES, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Route 3 Box 3630  
Myton, Utah 84052

Prepared By:

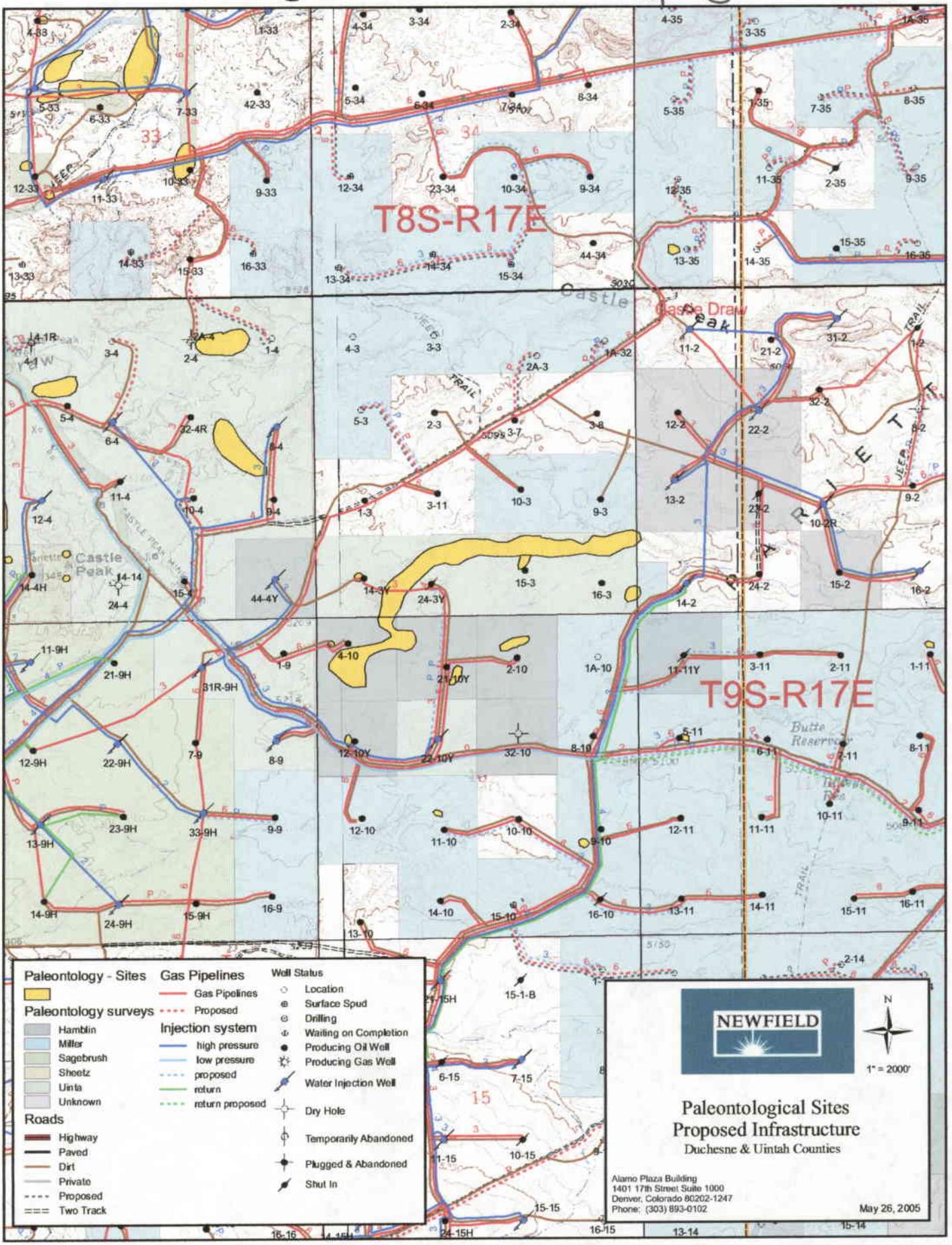
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 05-69

March 22, 2005

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

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0149b,p



Paleontology - Sites		Gas Pipelines		Well Status	
	Hamblin		Gas Pipelines		Location
	Miller		Proposed		Surface Spud
	Sagebrush		high pressure		Drilling
	Sheetz		low pressure		Waiting on Completion
	Uinta		proposed return		Producing Oil Well
	Unknown		return proposed		Producing Gas Well
<b>Roads</b>					Water Injection Well
	Highway				Dry Hole
	Paved				Temporarily Abandoned
	Dirt				Plugged & Abandoned
	Private				Shut In
	Proposed				
	Two Track				



**NEWFIELD**



1" = 2000'

**Paleontological Sites  
Proposed Infrastructure**  
Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

May 26, 2005

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/31/2005

API NO. ASSIGNED: 43-013-32796

WELL NAME: GB FED 2A-3-9-17  
OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
NWNE 03 090S 170E  
SURFACE: 1018 FNL 1628 FEL  
BOTTOM: 1018 FNL 1628 FEL  
DUCHESNE  
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

LATITUDE: 40.06449  
LONGITUDE: -109.9884

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
(No. MUNICIPAL )

RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

Fee Surf Agreement (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit GREATER BOUNDARY II (GR)

\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells

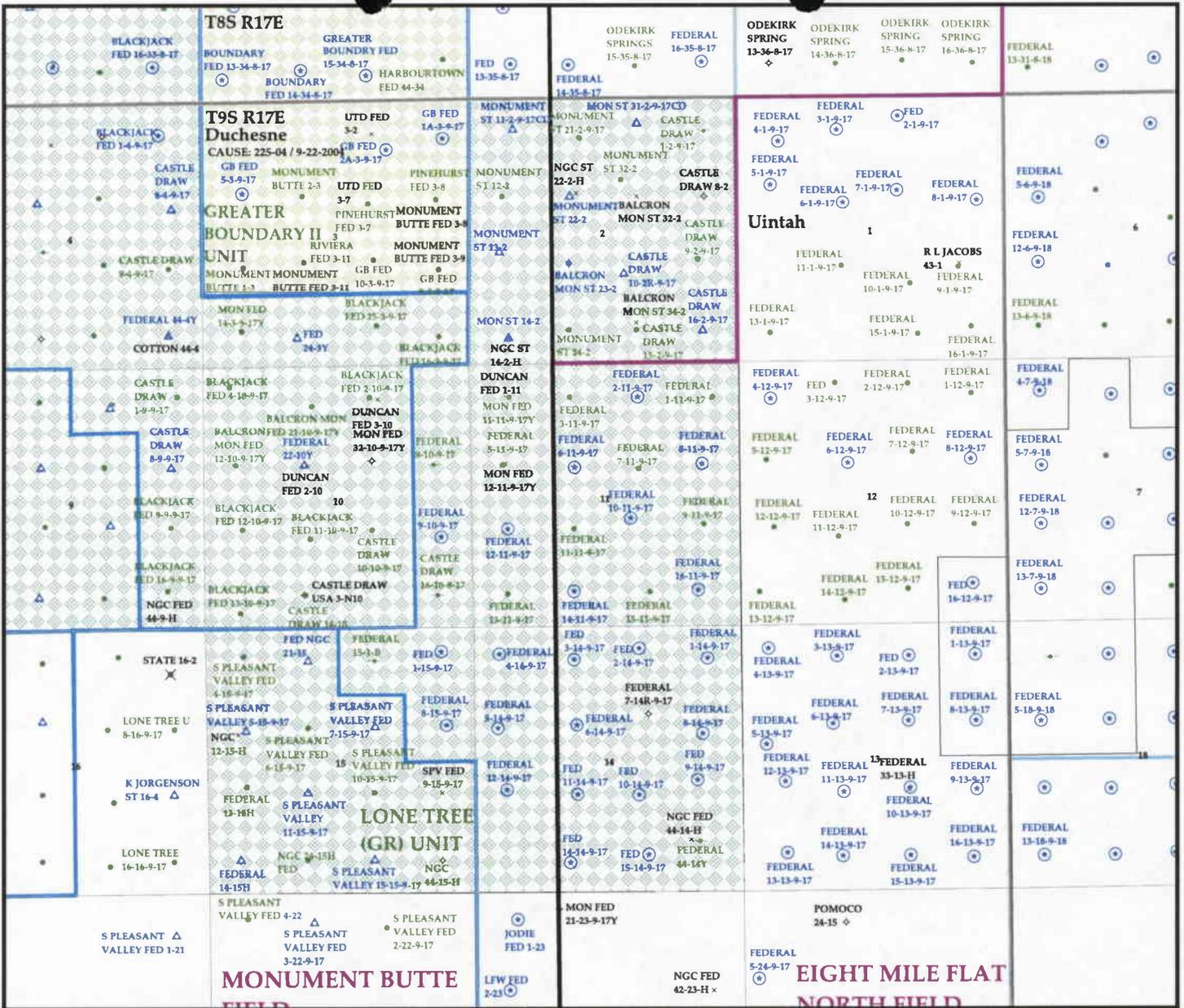
\_\_\_ R649-3-3. Exception

Drilling Unit  
Board Cause No: 225-04  
Eff Date: 9-22-2004  
Siting: Suspends General Siting

\_\_\_ R649-3-11. Directional Drill

COMMENTS: Sup, Separate file

STIPULATIONS: 1-Declined Approval



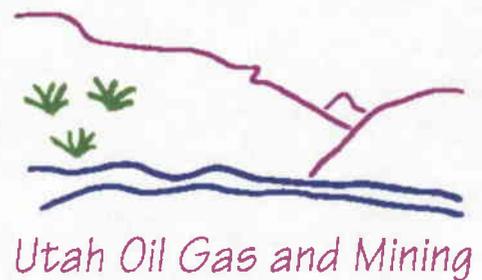
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 3 T. 9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESE

CAUSE: 225-04 / 9-22-2004



Wells	Units.shp	Fields.shp
● GAS INJECTION	□ EXPLORATORY	□ ABANDONED
● GAS STORAGE	□ GAS STORAGE	□ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	□ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	□ INACTIVE
◆ PLUGGED & ABANDONED	□ PENDING	□ PROPOSED
● PRODUCING GAS	□ PI OIL	□ STORAGE
● PRODUCING OIL	□ PP GAS	□ TERMINATED
● SHUT-IN GAS	□ PP GEOTHERML	
● SHUT-IN OIL	□ PP OIL	
× TEMP. ABANDONED	□ SECONDARY	
● TEST WELL	□ TERMINATED	
● WATER INJECTION		
● WATER SUPPLY		
● WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY  
DATE: 6-JUNE-2005

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 7, 2005

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

Re: Greater Boundary Federal 2A-3-9-17 Well, 1018' FNL, 1628' FEL, NW NE,  
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 43-013-32796.

Sincerely,

Gil Hunt  
Acting Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Greater Boundary Federal 2A-3-9-17

API Number: 43-013-32796

Lease: UTU-61252

Location: NW NE                      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 Dan Jarvis at (801) 538-5338

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.

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: GB FED 2A-3-9-17

Api No: 43-013-32796 Lease Type: FEDERAL

Section 03 Township 09S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

**SPUDDED:**

Date 01/07/06

Time 2:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 01/09/2006 Signed CHD

RECEIVED

MAY 31 2005

BLM VERNAL, UTAH

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-61252
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Greater Boundary II
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary Federal 2A-3-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-32716
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NE 1018' FNL 1628' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 14.7 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Lot 2 NW/NE Sec. 3, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 308' f/lse, 1628' f/unit	16. No. of Acres in lease 279.57	17. Spacing Unit dedicated to this well Approx. 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1415'	19. Proposed Depth 6110'	20. BLM/BIA Bond No. on file UT0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5087' GL	22. Approximate date work will start* 3rd Quarter 2005	23. Estimated duration Approximately seven (7) days from spud to ng release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 5/24/05
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Howard B. Cleary	Date 12/12/2005
Title Assistant Field Manager Mineral Resources	Office	

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

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

\*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

RECEIVED

DEC 18 2005

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:** Lot 2 Sec. 3, T9S, R17E  
**Well No:** Greater Boundary Federal 2A-3-9-17      **Lease No:** UTU-61252  
**API No:** 43-013-32796      **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
<b>After hours contact number: (435) 781-4513</b>		<b>FAX: (435) 781-4410</b>	

**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.

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Melissa Hawk)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Melissa Hawk)	- Prior to moving on the drilling rig.
Spud Notice (Notify PE)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify SPT)	- Twenty-Four (24) hours prior to running casing and cementing) all casing strings.
BOP & Related Equipment Tests (Notify SPT)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify PE)	- 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)**

This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eight Mile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.

An erosion control reservoir shall be constructed along the access road north of the old washed out reservoir. Contact Byron Tolman at the Vernal Field Office when it comes time to construct the reservoir.

4 to 6 inches of topsoil shall be stripped from the locations and placed where it can most easily be recovered for interim reclamation. The topsoil shall be respread over the entire location as soon as completion operations have been finished and recontouring of fill slopes is complete. At this point the production equipment can be set. The areas of the location not needed for production operations, including the reserve pits, shall be seeded with crested wheatgrass (variety Hycrest) at a rate of 12 lbs/ acre (pure live seed). The interim seeding shall be done by either drilling the seed or by broadcasting the seed and dragging it with a spike tooth harrow.

The gas lines shall be buried by trenching in the borrow ditches of the road and the trench material side cast into the existing vegetation. When backfilling the trenches, care should be taken to disturbance as little of the vegetation as possible and thus allowing the existing plants to reestablish on their own, however, these areas should also be seeded with crested wheatgrass at the 12 lb/acre rate to ensure vegetation establishment and to keep invasive weeds to a minimum. All seeding of the pipelines shall be completed using a seed drill.

-No pipeline construction will be allowed outside of already disturbance areas when soils are muddy and rutting of soils becomes apparent from the use of vehicles. If rutting occurs, operations must cease until soils are dry or frozen.

## **DOWNHOLE CONDITIONS OF APPROVAL**

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

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. 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. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

All BOPE components will 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 must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

BOP drills must 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.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will 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 must be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports must 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.

Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well must 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.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will 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, will 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) will be submitted only when requested by the BLM, Vernal Field Office.

**Please submit an electronic copy of all 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. The cement bond log must be submitted in raster format (TIF, PDF other).**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The 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 will 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.

11. 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.
12. This APD is approved subject to the requirement that, 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:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. 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).
  - f. 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.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. 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, will 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.
15. 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.

16. 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.

RECEIVED

JAN 20 2006

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

DIV. OF OIL, GAS & MINING

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2696

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417	43-013-32639	LOME TREE FEDERAL 1-20-9-17	NENE	20	9S	17E	DUCHESNE	01/10/06	1/26/06
WELL COMMENTS: GRRV - J											
B	99999	11492	43-013-32753	JONAH 15-15-9-18	SWSE	15	9S	16E	DUCHESNE	01/07/06	1/26/06
WELL COMMENTS: GRRV - K											
B	99999	12308	43-013-32445	SANDWASH FEDERAL 13-31-8-17	SWSW	31	8S	17E	DUCHESNE	01/05/06	1/26/06
WELL COMMENTS: GRRV - J											
B	99999	14844	43-047-35972	FEDERAL 11-33-8-18	NESW	33	8S	18E	UINTAH	01/06/06	1/26/06
WELL COMMENTS: GRRV Sundance Unit - J											
A	99999	15153	43-013-10822	PAN AMERICAN 1FR-9-16	NWNW	13	9S	16E	DUCHESNE	01/05/06	1/20/06
WELL COMMENTS: GRRV - K											
B	99999	12391	43-013-32796	GREATER BOUNDARY 2A-3-9-17	NENW	3	9S	17E	DUCHESNE	01/07/06	1/26/06
WELL COMMENTS: GRRV - J											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - P - Add or amend to existing entity (group or unit well)
  - D - Re-assign well from one existing entity to another existing entity
  - E - Re-assign well from one existing entity to a new entity
  - F - Other (explain in comments section)

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

*Kira Kettle*  
 Signature  
 Production Clerk  
 Title

Kira Kettle  
 January 20, 2006  
 Date

01/28/2006 14:01 4356463031 INLAND PAGE 03

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

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

3b. Phone No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SEC 3 T9S R17E LOT2  
 NW/NE    Section 3 T9S R17E

5. Lease Serial No.  
 UTU61252

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 GREATER BOUNDARY 2A-3-9-17

9. API Well No.  
 4301332796

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 01-7-06 MIRU Ross Rig # 24. Spud well @ 2:00 PM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.30' KB On 01/10/2006 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Troy Zufelt	Title Drilling Foreman
Signature 	Date 01/13/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title Office	Date
--	-----------------	------

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

(Instructions on reverse)

JAN 24 2006

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

\_\_\_\_\_ **8 5/8** \_\_\_\_\_ CASING SET AT \_\_\_\_\_ **323.3** \_\_\_\_\_

LAST CASING 8 5/8" set @ 323.3  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL GBU Federal 2A-3-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.74'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.45
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.3
TOTAL LENGTH OF STRING		313.3	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>323.3</b>
TOTAL		311.45	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		311.45	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	1/7/2006	2:00 PM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		1/8/2006	4:00 PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		1/10/2006	4:04 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		1/10/2006	4:18 PM				
BEGIN DSPL. CMT		1/10/2006	4:30 PM	BUMPED PLUG TO <u>399</u> PSI			
PLUG DOWN		1/10/2006	4:37 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 1/10/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

5. Lease Serial No.  
UTU61252

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
GREATER BOUNDARY 2A-3-9-17

9. API Well No.  
4301332796

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPPLICATE - Other Instructions on Reverse Side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

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

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 3 T9S R17E LOT2  
NW/NE Section 3 T9S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 1-12-2006 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 256'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,050'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 143 jt's of 5.5 J-55, 15.5# csgn. Set @ 6039.98' / KB. Cement with 325sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 13 bbls cmt returned to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig 1:00 am on 1-17-2006. BLM present for 5.5 casing & long string cement.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Troy Zufelt	Title Drilling Foreman
Signature 	Date 01/17/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

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

(Instructions on reverse)

RECEIVED

JAN 24 2006

DIV. OF OIL, GAS &...

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

5 1/2" CASING SET AT 6039.98

Fit c/lr @ 5998.89

LAST CASING 8 5/8" Set @ 323.3  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6050' Loggers TD 6060'  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Greater Boundary Federal 2A-3-9-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Patterson- Rig # 155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	6.34 @ 4009.10					
<b>142</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5984.29
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	42.44
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6041.98
TOTAL LENGTH OF STRING		6041.98	143	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		127.55	3	CASING SET DEPTH			<b>6039.98</b>
TOTAL		<b>6154.28</b>	146	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6154.28	146				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		1/16/2006	1:30 PM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		1/16/2006	5:00 PM	Bbls CMT CIRC TO SURFACE			13
BEGIN CIRC		1/16/2006	5:10 PM	RECIPROCATED PIPE FOR			THRUSTROKE
BEGIN PUMP CMT		1/16/2006	6:34 PM	DID BACK PRES. VALVE HOLD ?			YES
BEGIN DSPL. CMT		1/16/2006	19:27	BUMPED PLUG TO			2430 PSI
PLUG DOWN		<b>16-Jan</b>	<b>7:55 PM</b>				
CEMENT USED		2005 CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>325</b>	Premiite II w/ 10% gel + 3 % KCL, 3#/s /sk CSE + 2# sk/koiseal + 1/4#/s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>450</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Troy Zufelt DATE 1/16/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

5. Lease Serial No.

UTU61252

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY 2A-3-9-17

9. API Well No.

4301332796

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

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

1018 FNL 1628 FEL LOT2

NE/NW Section 3 T9S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced 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) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

*Mandie Crozier*

Date

02/09/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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

Title

Date

Office

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(Instructions on reverse)

FEB 13 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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GREATER BOUNDARY 2A-3-9-17

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2. Name of Operator  
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Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1018 FNL 1628 FEL LOT2  
NE/NW Section 3 T9S R17E

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____	

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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

2-21-06  
CHD

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 2/14/06  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Signature  
[Signature]

Title  
Regulatory Specialist

Date  
02/09/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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Office \_\_\_\_\_

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(Instructions on reverse)

FEB 13 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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11. County or Parish, State  
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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1018 FNL 1628 FEL LOT2  
NE/NW Section 3 T9S R17E

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 01/26/06 - 02/08/06

Subject well had completion procedures initiated in the Green River formation on 01-26-06 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5810'-5814'),(5793'-5798'); Stage #2 (5649'-5656'),(5606'-5631'); Stage #3 (5290'-5298'); Stage #4 (5020'-5024'),(4946'-4952'),(4756'-4764'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 02-06-2006. Bridge plugs were drilled out and well was cleaned to 5996'. Zones were swab tested for sand cleanup. A 1 new 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 02-26-2006.

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Lana Nebeker	Title Production Clerk
Signature 	Date 02/21/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
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(Instructions on reverse)

**RECEIVED**

**FEB 22 2006**

DIV. OF OIL, GAS & MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.\*)

At Surface 1018' FNL & 1628' FEL (NW/NE) Sec. 3, T9S, R17E

At top prod. interval reported below

At total depth

14. API NO. 43-013-32796 DATE ISSUED 6/7/05

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 1/7/06 16. DATE T.D. REACHED 1/16/06 17. DATE COMPL. (Ready to prod.) 2/8/06 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5087' GL 5099' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6050' 21. PLUG BACK T.D., MD & TVD 5994' 22. IF MULTIPLE COMPL. HOW MANY\* 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River 4756'-5814'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6040'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5868'	TA @ 5766'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(CP4) 5793'-98', 5810'-14'	.46"	4/36
(CP1&2) 5606'-31', 5649'-56'	.43"	4/128
(A3) 5290'-5298'	.43"	4/32
(C&B.5) 4946'-52', 5020'-24'	.43"	4/40
(D1) 4756'-4764'	.43"	4/32

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5793'-5814'	Frac w/ 34,731# 20/40 sand in 404 bbls fluid
5606'-5656'	Frac w/ 100,239# 20/40 sand in 735 bbls fluid
5290'-5298'	Frac w/ 50,061# 20/40 sand in 431 bbls fluid
4946'-5024'	Frac w/ 29,934# 20/40 sand in 360 bbls fluid
4756'-4764'	Frac w/ 30,134# 20/40 sand in 356 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
2/8/06	2-1/2" x 1-1/2" x 15.5' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN. FOR TEST PERIOD	OIL--BBL.S.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	58	9	75	155

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
		----->				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold & Used for Fuel

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: M. J. Karcher TITLE: Regulatory Specialist DATE: 3/13/2006

**RECEIVED**  
TEST WITNESSED BY  
**MAR 14 2006**

**DIV. OF OIL, GAS & MINING**

37. SUMMARY OF POROUS ZONES: (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);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Greater Boundary Federal 2A-3-9-17	Garden Gulch Mkr	3782'	
				Garden Gulch 1	3958'	
				Garden Gulch 2	4076'	
				Point 3 Mkr	4342'	
				X Mkr	4574'	
				Y-Mkr	4610'	
				Douglas Creek Mkr	4742'	
				BiCarbonate Mkr	4989'	
				B Limestone Mkr	5132'	
				Castle Peak	5566'	
				Basal Carbonate	5983'	
				Total Depth (LOGGERS)	6060'	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Ref: 8P-W-GW

NOV 06 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

RECEIVED

NOV 17 2009

DIV. OF OIL, GAS & MINING

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Castle Draw Area Permit  
Additional Testing Required on Injection well  
Corrective Action Required on AOR well  
UIC Permit No. UT20776-00000  
Well ID: UT20776-08357  
Well: Greater Boundary 2A-3-9-17  
1018' FNL & 1628' FEL  
NW NE Sec. 3 T9S-R17E  
Duchesne County, Utah  
API #43-013-32796

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Dear Mr. Sundberg:

The Newfield Production Company's (Newfield) request to convert the former Green River Formation oil well Greater Boundary 2A-3-9-17 to an enhanced recovery injection well under the Castle Draw Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well. Note that this Authorization for Additional Well has been modified from the draft version that was sent previously as it was determined that an aquifer exemption is not necessary for this well. Please see the aquifer exemption section in the Authorization for additional information.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Castle Draw Area Permit No. UT20776-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River

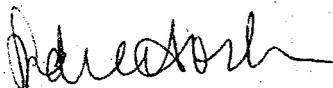
Formation between the depths of 3,784 feet and the top of the Wasatch Formation, estimated at 6,105 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a Part 1 (Internal) mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, (3) the results of a radioactive tracer survey within a 180-day authorization to inject and (4) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Greater Boundary 2A-3-9-17 was determined to be 1,140 psig. UIC Area Permit UT20776-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to ATTENTION: Sarah Bahrman, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



 Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Wellbore schematics for Greater Boundary 2A-3-9-17

cc: Permit Letter:  
Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20776-00000**

The Castle Draw Unit Final UIC Area Permit No. UT20776-00000, effective November 29, 1995, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On February 4, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	<b><u>Greater Boundary 2A-3-9-17</u></b>
EPA Well ID Number:	<b><u>UT 20776-08357</u></b>
Location:	1018' FNL & 1628' FEL NW NE Sec. 3 T9S-R17E Duchesne County, Utah API #43-013-32796

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20776-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20776-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: NOV 05 2009

**Stephen S. Tuber**  
\*Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Greater Boundary 2A-3-9-17**  
EPA Well ID Number: **UT20776-08357**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,784 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,105 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,140 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.68 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \underline{4,756 \text{ ft.}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \underline{1,140 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20776-00000  
change of the MAIP based on  
formation breakdown pressure

**Well Construction: Casing**  
existing regulatory controls  
cementing records, including  
presence of adequate cement  
the injection zone.

**Well Construction: Tubing**  
the packer shall be set at a

**Demonstration of Mechanical Integrity**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any

Authorization for Additional Well: UIC Area Permit UT20776-00000  
Well: Greater Boundary 2A-3-9-17 EPA Well ID: UT20776-08357

*Why are these underlined + bold?*  
*recommend this one just be bold, no underline*

permittee to request a  
st that demonstrates the

d in compliance with  
R § 146.22(c). However,  
y demonstrated the  
behind the casing from

on tubing is approved;  
ration.

downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,885 ft. to 3,055 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 170-foot balanced cement plug inside the 5-1/2" casing from approximately 2,885-3,055 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,454 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from approximately 1,394-1,514 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 373 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Greater Boundary 2A-3-9-17**

EPA Well ID Number: **UT20776-08357**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Castle Draw Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 100 ft. below ground surface in the Greater Boundary 2A-3-9-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

### **Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):**

- TDS of the Douglas Creek Member of the Green River Formation Water: 9,460 mg/l.
- TDS of Beluga Facility Injection System source water: 8,822 mg/l.

*Authorization for Additional Well: UIC Area Permit UT20776-00000*

*Well: Greater Boundary 2A-3-9-17 EPA Well ID: UT20776-08357*

The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

**Aquifer Exemption** The TDS of water produced from the proposed injection well is less than 10,000 mg/l. However, EPA has evaluated additional data and information and has concluded that the original Green River formation water was saline prior to enhanced oil recovery water flooding. The weight of evidence supports the conclusion that the occasional water sample from this area showing less than 10,000 mg/l total dissolved solids (TDS) is not representative of original Green River formation water, and is attributed to injection of relatively freshwater during enhanced oil recovery operations. Because this freshening effect from water flood operations is considered by EPA to be a temporary, artificial condition, an aquifer exemption is not required for this proposed injection well.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 214 ft. of shale between the depths of 3,570 ft. and 3,784 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,321 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,784 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 6,105 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show 80% or greater cement bond index in the Confining Zone (3,570 to 3,784 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 323 ft. (KB) in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 6,040 ft. (KB) in a 7-7/8" hole secured with 775 sacks of cement. Total driller depth 6,050 ft. Plugged back total depth is 5,996 ft. EPA calculates top of cement at 196 ft. Estimated CBL top of cement is 110 ft.

**Perforations:** Top perforation: 4,756 ft. (KB)      Bottom perforation: 5,814 ft. (KB)

## AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following three wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Greater Boundary 2A-3-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Pinehurst Federal 3-8                      API: 43-013-31761                      SENE Sec. 3-T9S-R17E

Well: Pinehurst Federal 3-7                      API: 43-013-31760                      SWNE Sec. 3-T9S-R17E

Well: Federal 1A-3-9-17                      API: 43-013-32795                      NENE Sec. 3-T9S-R17E

### Corrective Action Required on two AOR wells:

Well: Pinehurst Federal 3-8                      API: 43-013-31761                      SENE Sec. 3-T9S-R17E  
Submitted CBL does not include the confining zone, thus preventing a determination of wellbore mechanical integrity. Newfield has the option of following the corrective action plan detailed below for this well or running and submitting a complete CBL to demonstrate that well construction is adequate. If the CBL does not show an adequate section of 80% bond through the confining zone, corrective action will be required. TOC at 70 ft.

Well: Pinehurst Federal 3-7                      API: 43-013-31760                      SWNE Sec. 3-T9S-R17E  
Less than 18 feet of 80 percent bond cement across confining zone (3,644-3,734 ft). TOC at 2300 ft. Refer to corrective action plan described below.

**AOR Well Corrective Action Plan:** The Pinehurst Federal 3-7 and Pinehurst Federal 3-8 wells shall be monitored weekly at the surface for evidence of fluid movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the Confining Zone" and the permittee is referred to this document.

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Greater Boundary 2A-3-9-17 well immediately and notify the Director. No injection into the Greater Boundary 2A-3-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form No.7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

### Corrective Action Not Required on one AOR well:

Well: Federal 1A-3-9-17                      API: 43-013-32795                      NENE Sec. 3-T9S-R17E  
Shows 136 ft of 80 percent or greater cement bond index from 3,600-3,736 ft, which includes cement across the confining zone.

*Authorization for Additional Well: UIC Area Permit UT20776-00000  
Well: Greater Boundary 2A-3-9-17 EPA Well ID: UT20776-08357*

### **Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-61252
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> GB FED 2A-3-9-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013327960000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1018 FNL 1628 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 03 Township: 09.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/6/2012	<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 checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" 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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 05/29/2012. On 05/30/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 06/06/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 150 psig during the test. There was not an EPA representative available to witness the test. EPA#  
UT20776-08357

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
June 11, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/7/2012	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 6 1 6 1 1 2  
 Test conducted by: Chris Walters  
 Others present: \_\_\_\_\_

Well Name: <u>2A-3-9-17 Greater Boundary Fed.</u> Type: ER SWD		Status: AC TA UC	
Field: <u>Monument Butte</u>			
Location: _____	Sec: <u>3</u> T <u>9</u> N <u>(S)</u> R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Chris Walters</u>			
Last MIT: <u>1</u> <u>1</u>	Maximum Allowable Pressure: _____		PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 150 psig

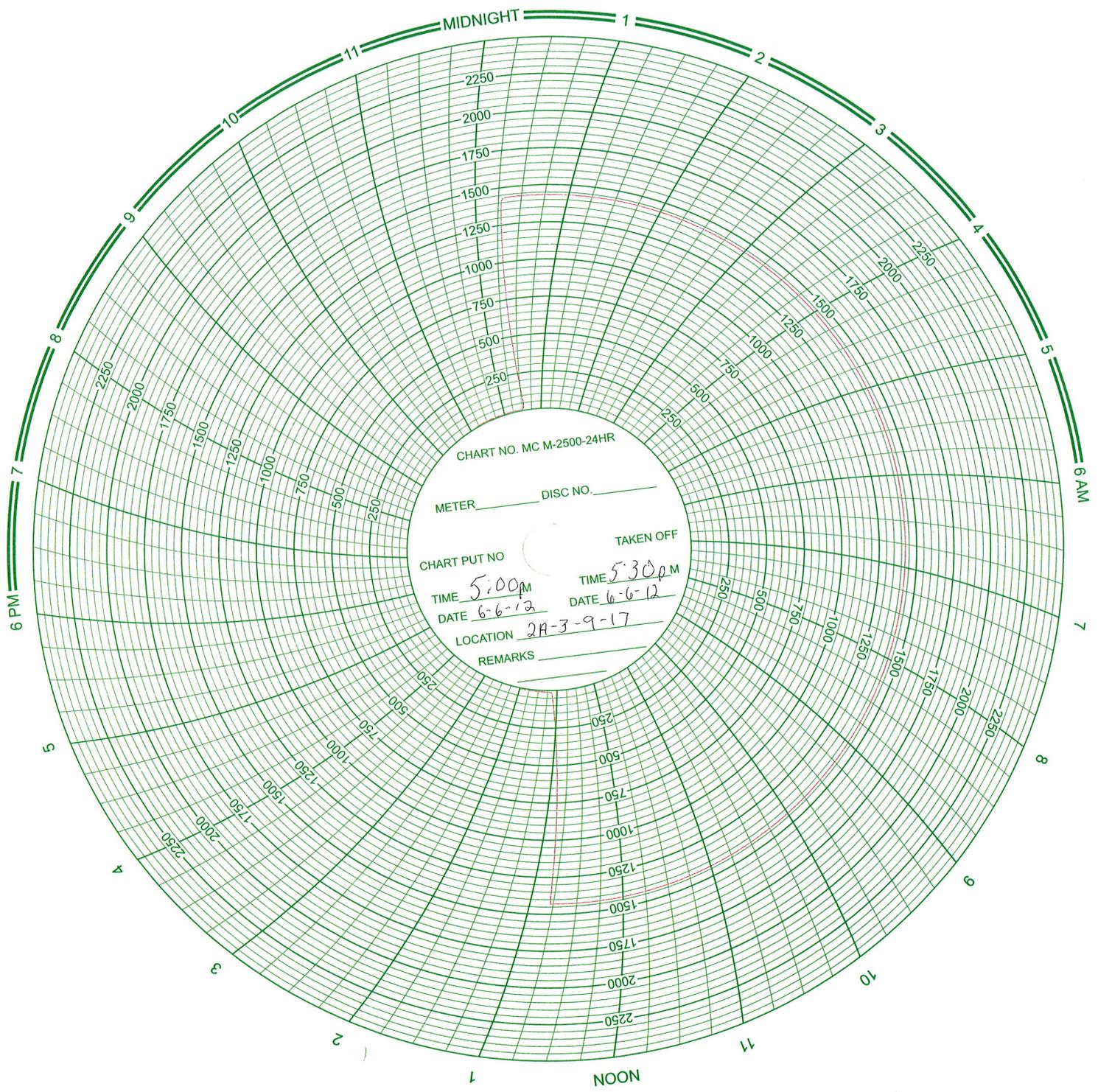
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>150</u> psig	psig	psig
End of test pressure	<u>150</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1440</u> psig	psig	psig
5 minutes	<u>1440</u> psig	psig	psig
10 minutes	<u>1440</u> psig	psig	psig
15 minutes	<u>1440</u> psig	psig	psig
20 minutes	<u>1440</u> psig	psig	psig
25 minutes	<u>1440</u> psig	psig	psig
30 minutes	<u>1440</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



**Daily Activity Report****Format For Sundry****GRTR BNDRY II 2A-3-9-17****3/1/2012 To 7/30/2012****5/21/2012 Day: 1****Conversion**

NC #2 on 5/21/2012 - MIRUSU, L/D Rods, R/U BOPS, Tag PBTD - Move From The LT 9-21-9-17 To The GB 2A-3-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, Pressure Test Tbg To 3,000 Psi, Good Test, Took Bbls Wtr To Fill, POOH & L/D 1- 2' x 3/4" Pony Sub, 1 1/2" x 26' Polished Rod, 2- 4', 1- 6', 1- 8' x 3/4" Pony Subs, 100- 3/4" Guided Rods, 115- 3/4" Plain Rods, 10- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars, Rod Pmp, Flush Rods W/- 20 Bbls Wtr On TOH, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, TA Was NOT Set, P/U & TIH W/- 4- Jts Tbg, Tag PBTD @ 5996', No New Fill On PBTD, L/D 4- Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0**Cumulative Cost:** \$8,478

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**5/22/2012 Day: 2****Conversion**

NC #2 on 5/22/2012 - POOH W/- Tbg, RIH W/- Bit & Scrapper, POOH W/- Tbg Breaking & Dopeing Every Collar - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, POOH W/- 177- Jts Tbg, TA, 1- Jt Tbg, SN, 2- Jts Tbg, NC, P/U & TIH W/- Bit & Scrapper, 180- Jts Tbg, POOH W/- 120 Jts Tbg Breaking & Dopeing Every Collar, Flush Tbg W/- 30 Bbls Wtr On TOH, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0**Cumulative Cost:** \$16,924

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**5/23/2012 Day: 3****Conversion**

NC #2 on 5/23/2012 - TIH W/- Tbg & Pkr, Pressure Test Tbg, Fish Stnd Vlve, Land Tbg, Try To Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, POOH W/- 24- Jts Tbg Breaking & Dopeing Collars, L/D 36- Jts Tbg On A Float, P/U & TIH W/- Weatherford Arrowset Pkr, SN, 144- Jts Tbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Wtr For A Pad, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Pressure Bled Off 200 Psi In 25 Min, Bump Back Up, Pressure Bled Off 300 Psi In 45 Min, Bump Back Up Again, No Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/U H/Oiler To Tbg, Pmp Another 10 Bbls Wtr Pad, Drop Another Stnd Vlve, Pressure Test To 3,000 Psi, Pressure Bled Off 75 Psi In 50 Min, Bump Back Up, Hold Pressure For An Hr, Good Test, R/U Sandline. Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Test Csg To 1,500 Psi, Let Stand Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0**Cumulative Cost:** \$26,176

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**5/24/2012 Day: 4****Conversion**

NC #2 on 5/24/2012 - Try To Get A Test On Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Bled Down To 500 Psi, Noticed A Leak On The Bttm Of The Wellhead, Try To Tighten Up Wellhead, Repressure Up Csg, Noticed That Csg Valves Were Leaking, Replace Csg Valves & Nipples, Repressure Up Csg, Pressure Was Still Bleeding Down, Try To Bleed Off All The Gas,

Pressure Up Again & Agian, The Fluid Is Very Foamy, Pressure Up Over Night, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$33,786

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**5/25/2012 Day: 5**

**Conversion**

NC #2 on 5/25/2012 - POOH W/- Tbg & Pkr, TIH W/- New Pkr, Pressure Test Tbg, Land Tbg, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Had Dropped Off To 500 Psi Again, R/D Inj. Tree, Release Pkr, R/U Weatherford BOPS, POOH W/- 144- Jts Tbg, SN, ArrowsetPkr, P/U & TIH W/- New Arrowset Pkr, SN, 144- JtsTbg, R/U H/Oiler To Tbg, Pmp 10 Bbls Fresh Wtr For Pad, Drop Stnd Vlve, Pressure Test Tbg To 3,000 Psi, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Inj. Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Fresh Wtr W/- Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Pressure Test Csg To 1,500 Psi, Bleed Down A Couple Of Times, Hold Over The Weekend, SWI, CSDFN @ 8:00 PM, 8:00 To 8:30 PMC/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$41,816

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**5/29/2012 Day: 6**

**Conversion**

NC #2 on 5/29/2012 - Bump Up Csg Again, Test Csg - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Pressure Had Dropped 50 Psi, R/U H/Oiler To Csg, Bump Back Up To 1,500 Psi, Hold For 1 Hr, Good Test, R/D NC #2, Well Ready For MIT

**Daily Cost:** \$0

**Cumulative Cost:** \$139,493

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**6/7/2012 Day: 7**

**Conversion**

Rigless on 6/7/2012 - Conduct initial MIT - On 05/30/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 06/06/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 150 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20776-08357 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$171,313

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-61252
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> GB FED 2A-3-9-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1018 FNL 1628 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 03 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013327960000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		<b>9. STATE:</b> UTAH
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/13/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
	<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 type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Put on Injection"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The above reference well was put on injection at 11:30 AM on 07/13/2012. EPA # UT20776-08357		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 16, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/16/2012	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>



JUL 06 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah 84052

RECEIVED  
JUL 16 2012  
DIV. OF OIL, GAS & MINING

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

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Limited Authorization to Inject  
EPA UIC Permit UT20776-08357  
Well: Greater Boundary 2A-3-9-17  
NWNE Sec. 3-T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-32796

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) June 7, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20776-08357.

As of the date of this letter, Newfield is authorized to commence injection into the Greater Boundary 2A-3-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,140 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20776-08357. If Newfield seeks a higher MAIP than 1,140 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of, and to comply with, all conditions of Permit UT20776-08357.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-UIC.

Sincerely,



Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Richard Jenks Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company

UIC  
UIC  
UIC  
UIC

# Greater Boundary 2A-3-9-17

Spud Date: 01 07 06  
 Put on Production: 02 08 06  
 GI.: 5087' KB: 5099'

## Injection Wellbore Diagram

### SURFACE CASING

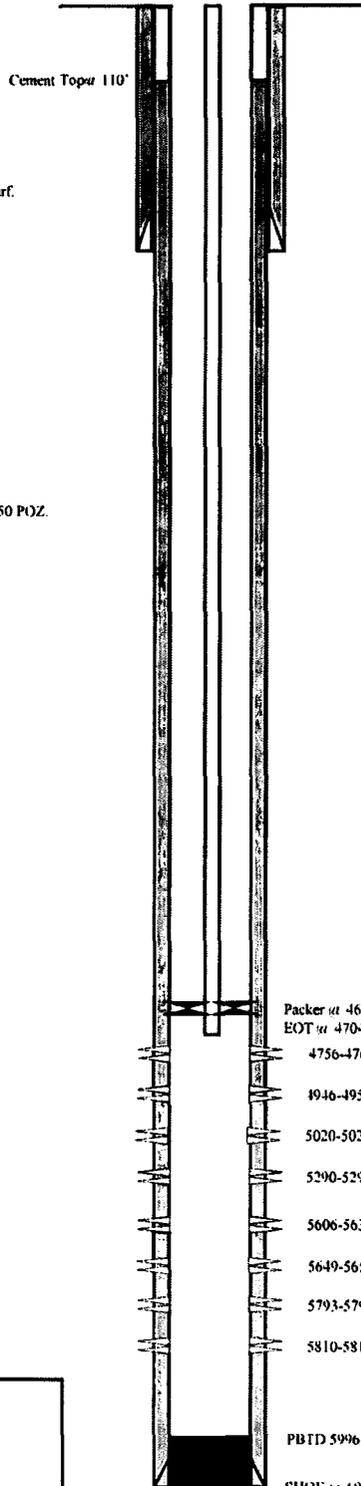
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.45')  
 DEPTH LANDED: 323.3' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6026.73')  
 DEPTH LANDED: 6039.98' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50 50 POZ.  
 CEMENT TOP: 110'

### TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#  
 NO. OF JOINTS: 144 jts (4679.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4691.6' KB  
 ARROW PKR CE: 4697.37'  
 TOTAL STRING LENGTH: FOT: 4704.22' KB



### FRAC JOB

02 02 06	5793-5814'	Frac CP4 sands as follows: 34731# 20-40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 1593 psi w avg rate of 25 BPM. ISIP 1750 psi. Calc flush: 5791 gal. Actual flush: 5796 gal.
02 02 06	5606-5656'	Frac CP1, CP2 sands as follows: 100239# 20-40 sand in 735 bbls Lightning 17 frac fluid. Treated @ avg press of 1232 psi w avg rate of 25 BPM. ISIP 1600 psi. Calc flush: 4604 gal. Actual flush: 5586 gal.
02 02 06	5290-5298'	Frac A3 sands as follows: 50061# 20-40 sand in 431 bbls Lightning 17 frac fluid. Treated @ avg press of 1918 psi w avg rate of 25 BPM. ISIP 2050 psi. Calc flush: 5288 gal. Actual flush: 5292 gal.
02 02 06	4946-5024'	Frac B, S, C sands as follows: 29934# 20-40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2261 psi w avg rate of 24.9 BPM. ISIP 1875 psi. Calc flush: 4944 gal. Actual flush: 4956 gal.
02 03 06	4756-4764'	Frac D1 sands as follows: 30134# 20-40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 2028 psi w avg rate of 24.9 BPM. ISIP 2100 psi. Calc flush: 4754 gal. Actual flush: 4662 gal.
05 29 12		Convert to Injection Well
06 06 12		Conversion MIT Finalized - update the detail

### PERFORATION RECORD

01 26 06	5810-5814'	4 JSPF	16 holes
01 26 06	5793-5798'	4 JSPF	20 holes
02 02 06	5649-5656'	4 JSPF	28 holes
02 02 06	5606-5631'	4 JSPF	100 holes
02 02 06	5290-5298'	4 JSPF	32 holes
02 02 06	5020-5024'	4 JSPF	16 holes
02 02 06	4946-4952'	4 JSPF	24 holes
02 02 06	4756-4764'	4 JSPF	32 holes

**NEWFIELD**

**Greater Boundary 2A-3-9-17**

1018' FNL & 1628' FEL

NW NE Section 3-T9S-R17E

Duchesne Co, Utah

API #43-013-32796; Lease #UTU-61252