

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> Federal 4-25-8-15		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> UNDESIGNATED		
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY				<b>7. OPERATOR PHONE</b> 435 646-4825		
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052				<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-67168		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Henderson Ranches LLC				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> Route 3 Box 3671, ,				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	527 FNL 708 FWL	NWNW	25	8.0 S	15.0 E	S
<b>Top of Uppermost Producing Zone</b>	527 FNL 708 FWL	NWNW	25	8.0 S	15.0 E	S
<b>At Total Depth</b>	527 FNL 708 FWL	NWNW	25	8.0 S	15.0 E	S
<b>21. COUNTY</b> DUCHESNE		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 527		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 993		<b>26. PROPOSED DEPTH</b> MD: 6490 TVD: 6490		
<b>27. ELEVATION - GROUND LEVEL</b> 5714		<b>28. BOND NUMBER</b> WYB000493		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-7478		

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Mandie Crozier	<b>TITLE</b> Regulatory Tech	<b>PHONE</b> 435 646-4825
<b>SIGNATURE</b>	<b>DATE</b> 05/19/2009	<b>EMAIL</b> mcrozier@newfield.com
<b>API NUMBER ASSIGNED</b> 43013500240000	<b>APPROVAL</b>   Permit Manager	

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	5.5	0	6490		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	6490	15.5			

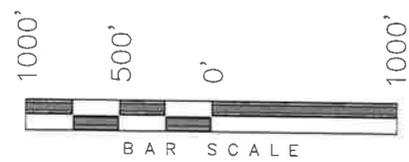
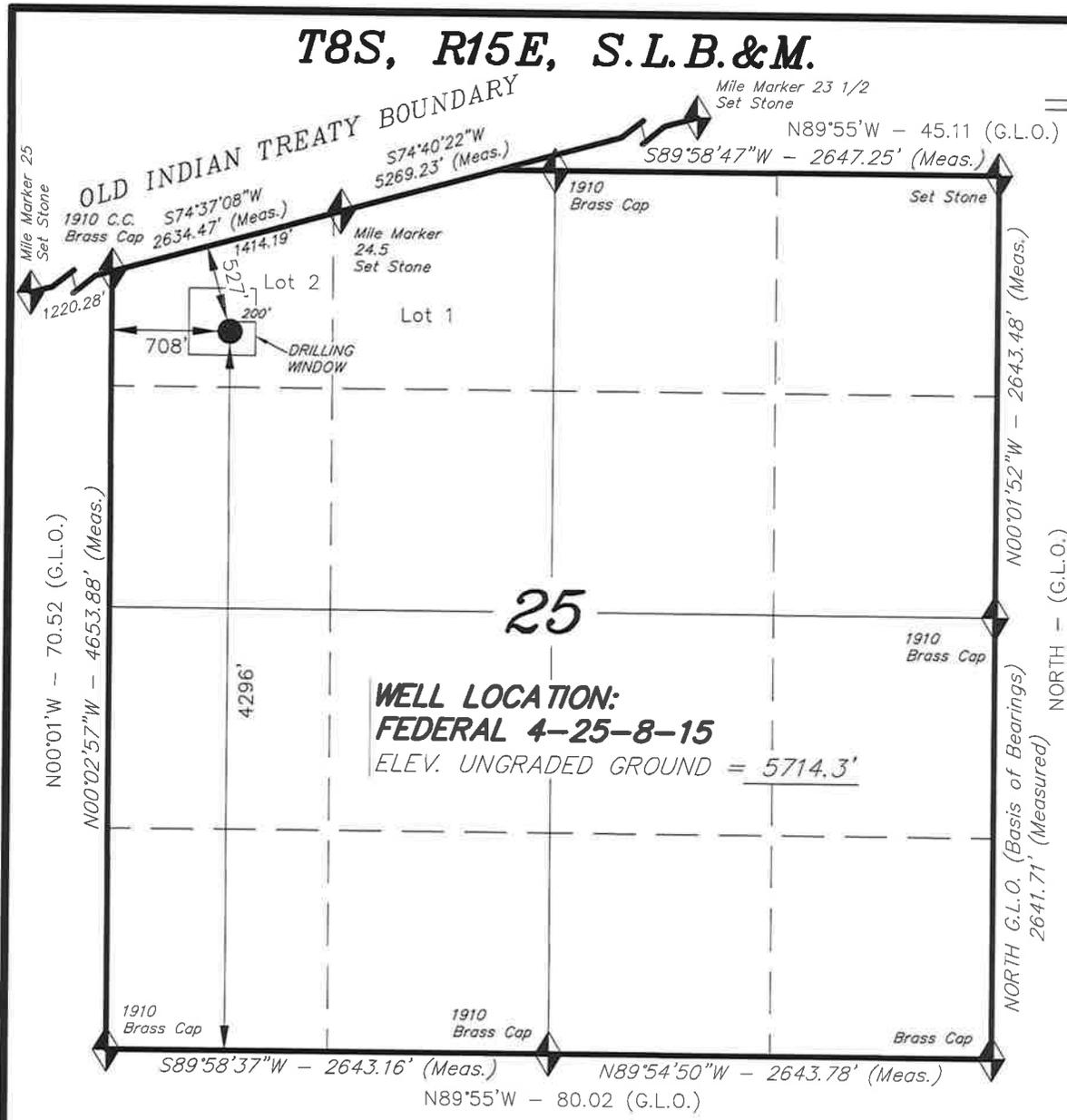
**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	8.625	0	350		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	350	24.0			

# T8S, R15E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 4-25-8-15,  
 LOCATED AS SHOWN IN LOT 2 OF  
 SECTION 25, T8S, R15E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**FEDERAL 4-25-8-15  
 (Surface Location) NAD 83  
 LATITUDE = 40° 05' 36.63"  
 LONGITUDE = 110° 11' 14.60"**

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 11-12-08	SURVEYED BY: T.H.
DATE DRAWN: 11-20-08	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
FEDERAL 4-25-8-15  
NW/NW (LOT #2) SECTION 25, T8S, R15E  
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' – 1636'  
Green River            1636'  
Wasatch                6490'  
Base of Moderately Saline Ground Water @ 226'

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

Green River Formation 1636' – 6490' - 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.

# 2-M SYSTEM

Blowout Prevention Equipment Systems

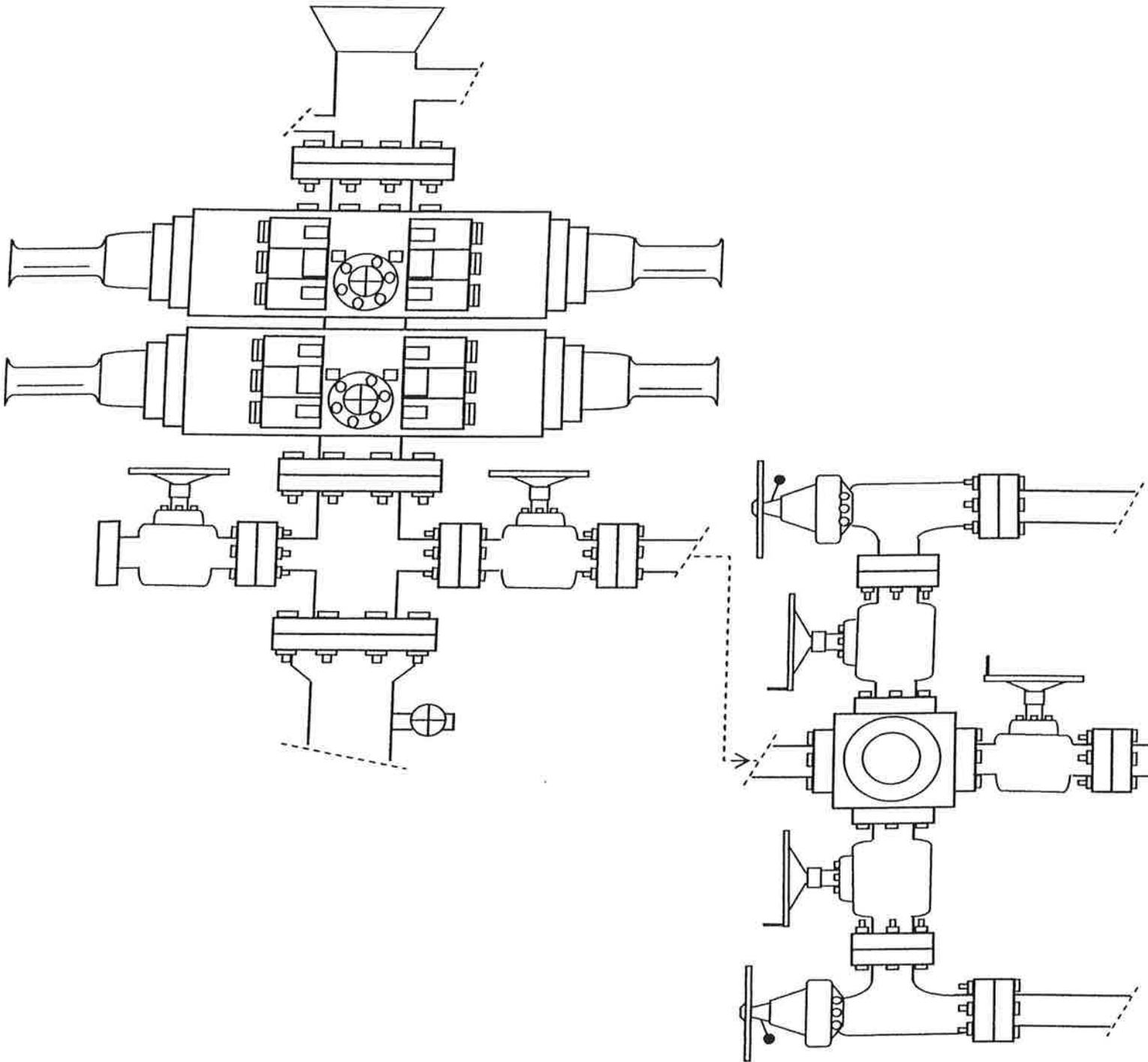
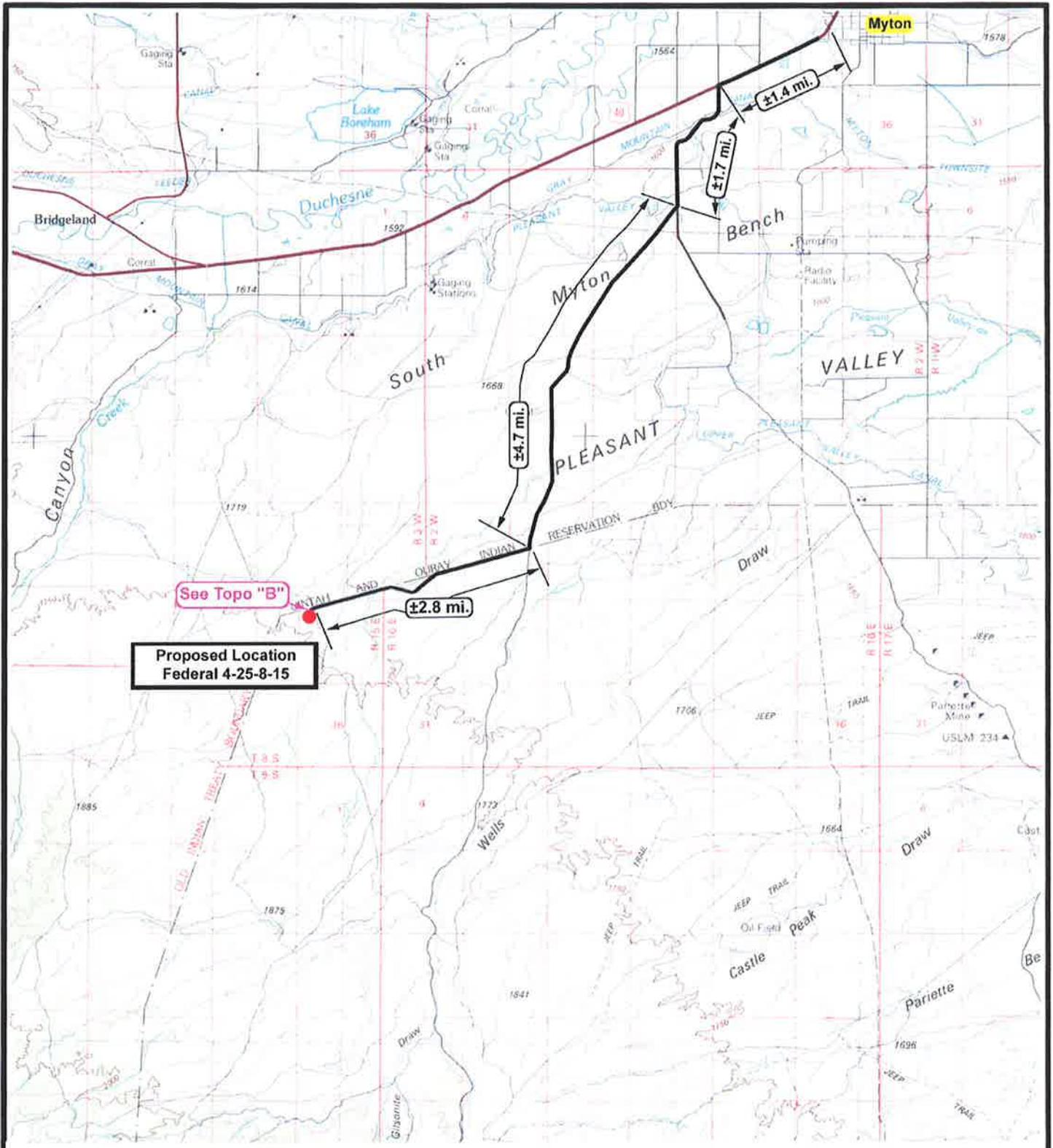


EXHIBIT C



**NEWFIELD**  
Exploration Company

**Federal 4-25-8-15**  
**SEC. 25, T8S, R15E, S.L.B.&M.**



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

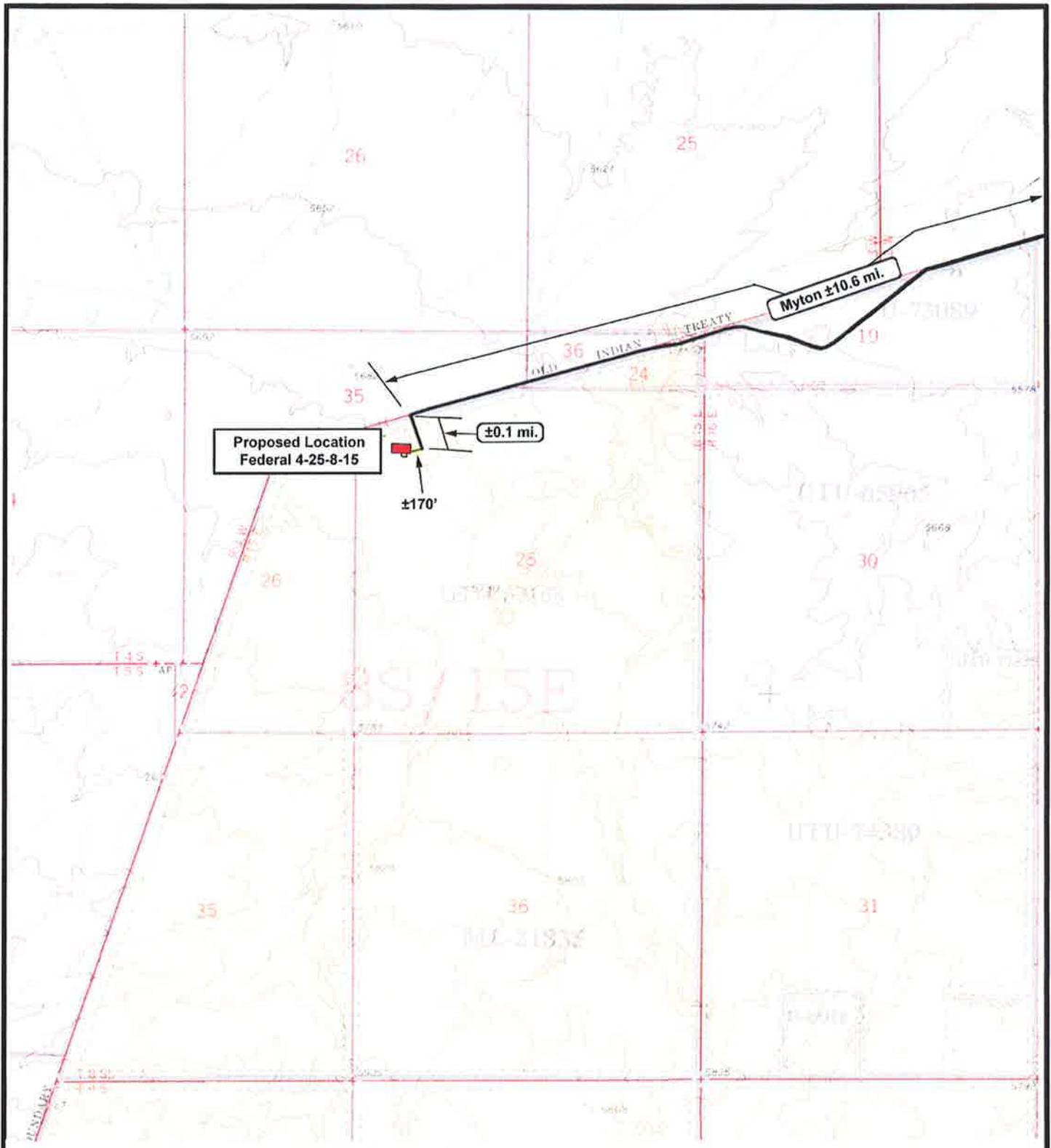
SCALE: 1 = 100,000  
DRAWN BY: JAS  
DATE: 05-27-2009

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



 **NEWFIELD**  
Exploration Company

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**Federal 4-25-8-15**  
**SEC. 25, T8S, R15E, S.L.B.&M.**



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

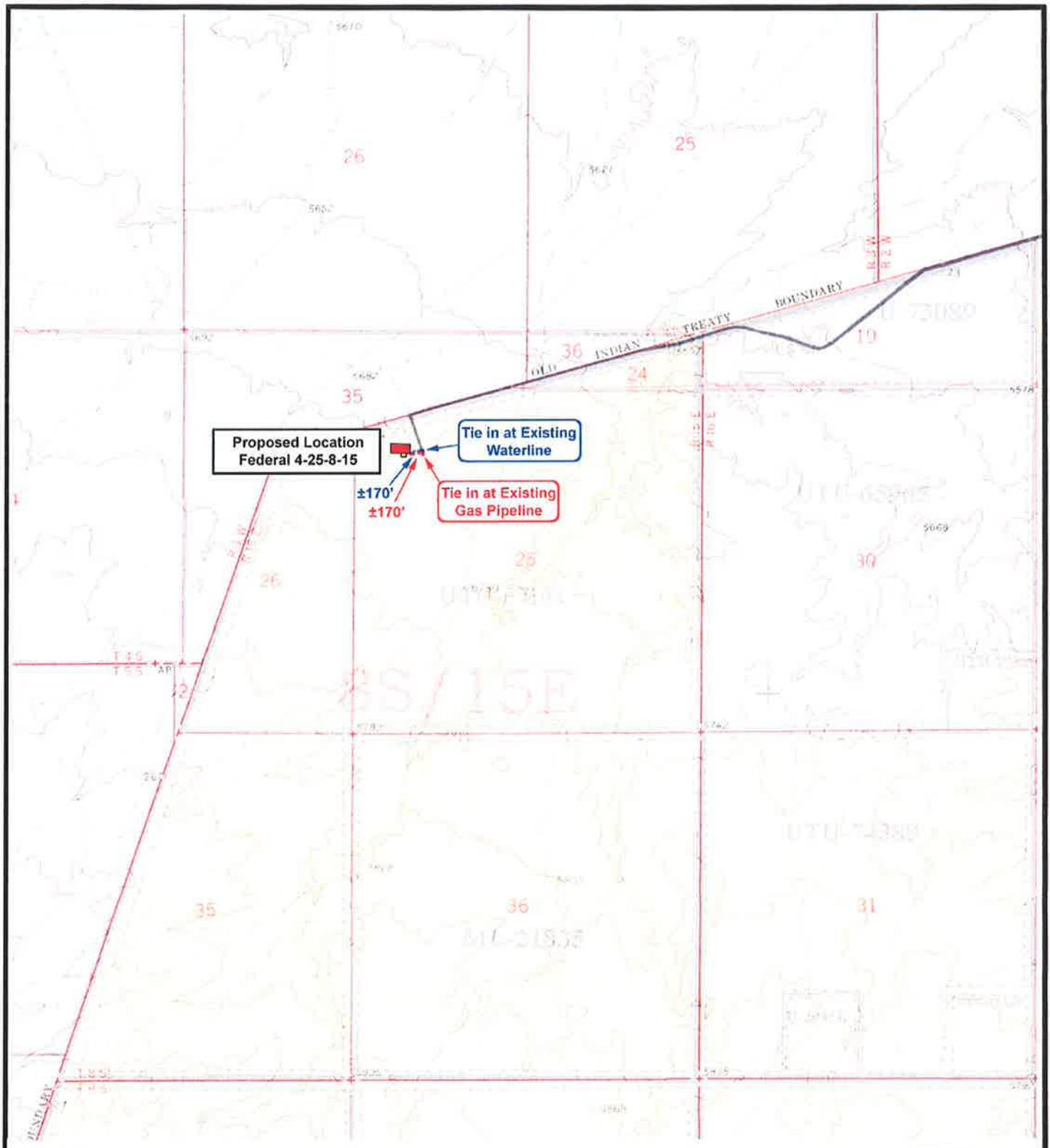
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DRAWN BY: JAS  
DATE: 05-27-2009

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

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**Federal 4-25-8-15**  
**SEC. 25, T8S, R15E, S.L.B.&M.**

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

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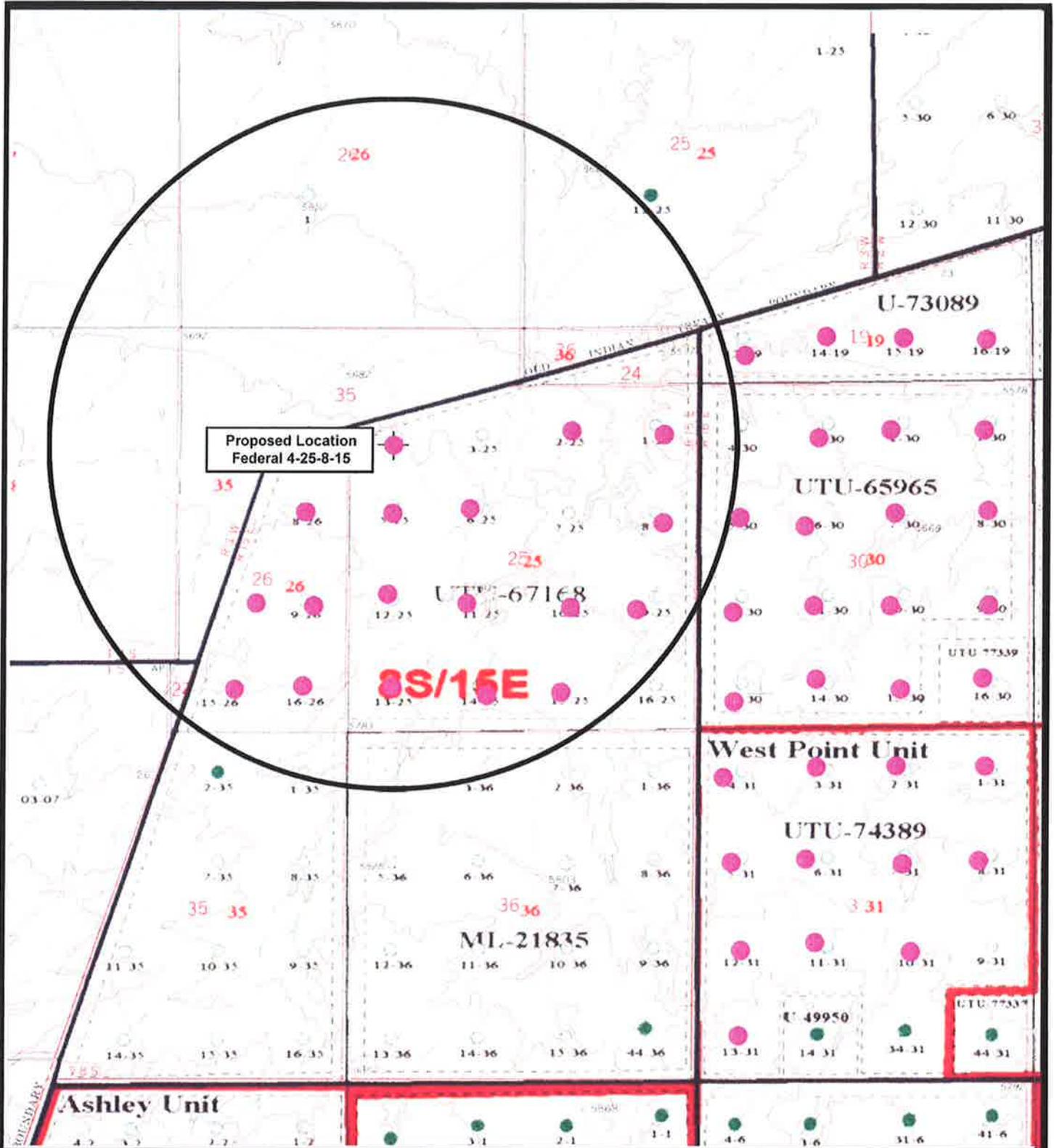
SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 05-27-2009

**Legend**

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

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



Proposed Location  
Federal 4-25-8-15

**8S/15E**

U-73089

UTU-65965

UTU-67168

West Point Unit

UTU-74389

ML-21835

Ashley Unit

**NEWFIELD**  
Exploration Company

**Federal 4-25-8-15**  
**SEC. 25, T8S, R15E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 05-27-2009

**Legend**

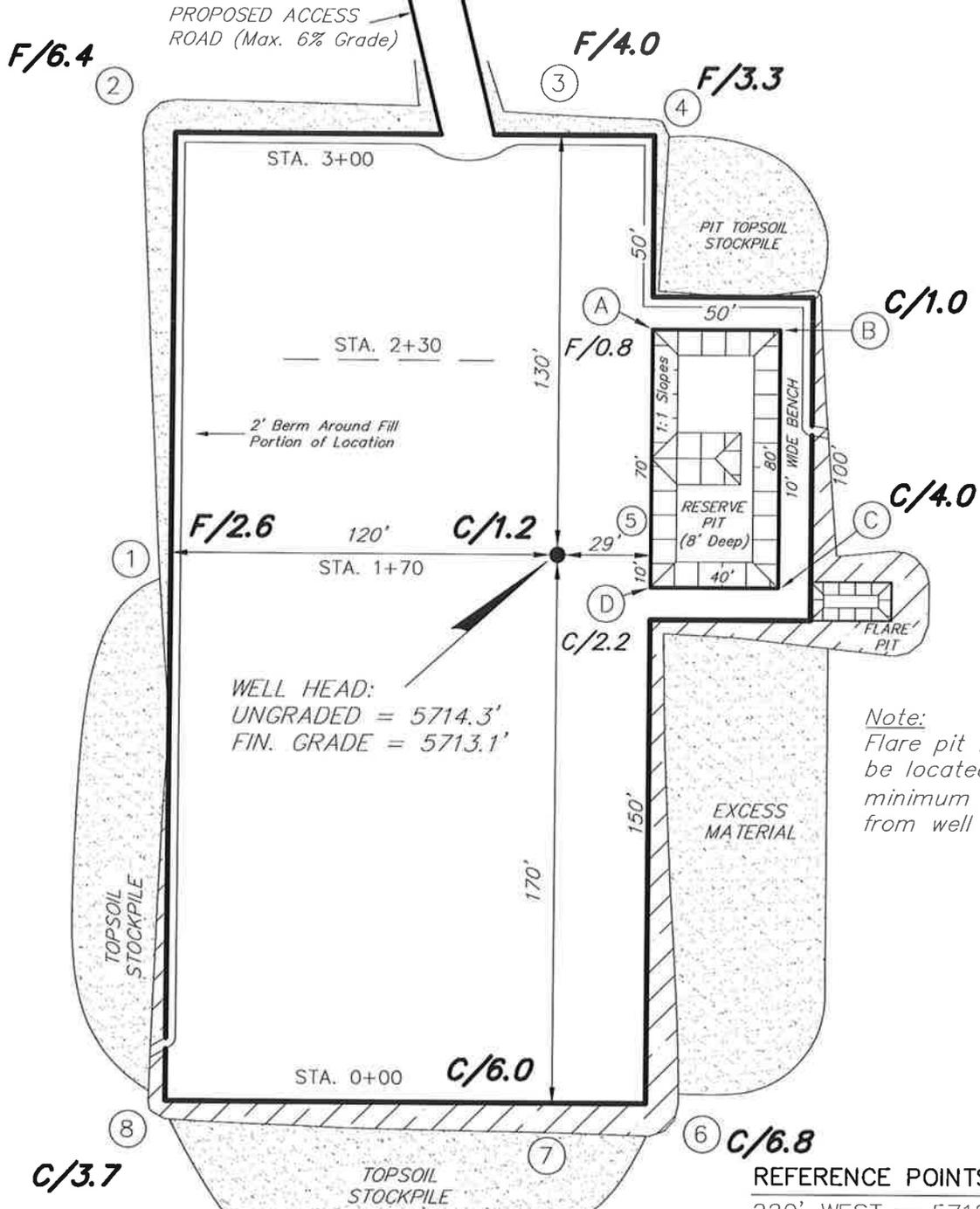
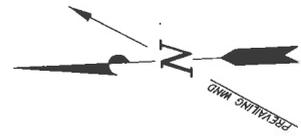
- Pad Location
- One-Mile Radius

**Exhibit "B"**

# NEWFIELD PRODUCTION COMPANY

FEDERAL 4-25-8-15

Section 25, T8S, R15E, S.L.B.&M.



Note:  
Flare pit is to be located a minimum of 80' from well head.

**REFERENCE POINTS**

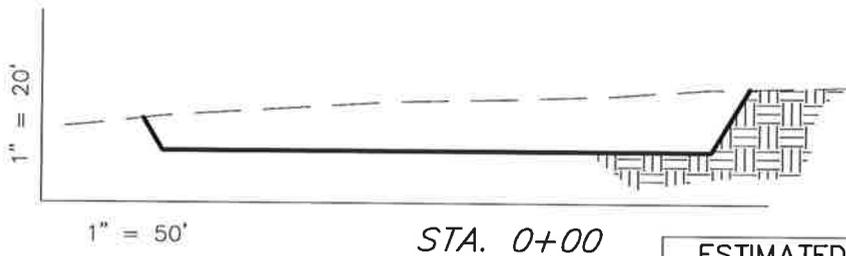
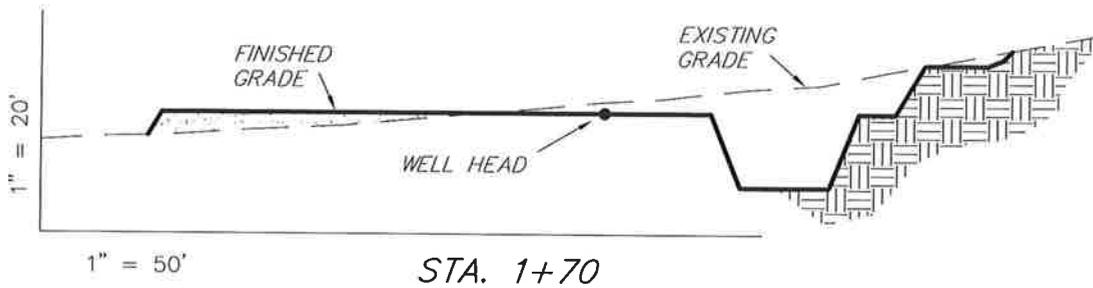
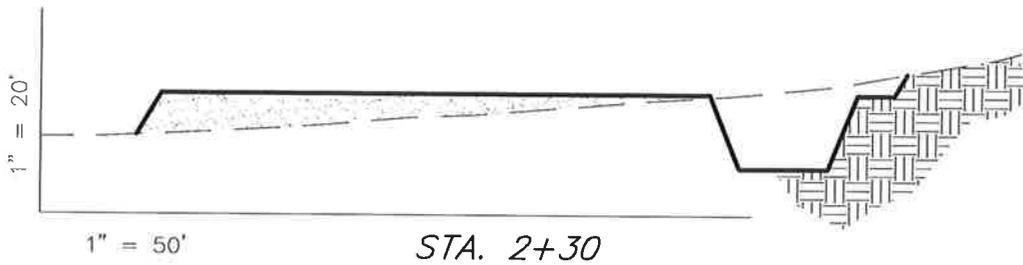
- 220' WEST - 5718.1'
- 270' WEST - 5716.3'
- 170' NORTH - 5709.7'
- 220' NORTH - 5710.5'

SURVEYED BY: T.H.	DATE SURVEYED: 11-12-08
DRAWN BY: M.W.	DATE DRAWN: 11-20-08
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS FEDERAL 4-25-8-15



**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,740	2,740	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>3,380</b>	<b>2,740</b>	<b>1,050</b>	<b>640</b>

NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

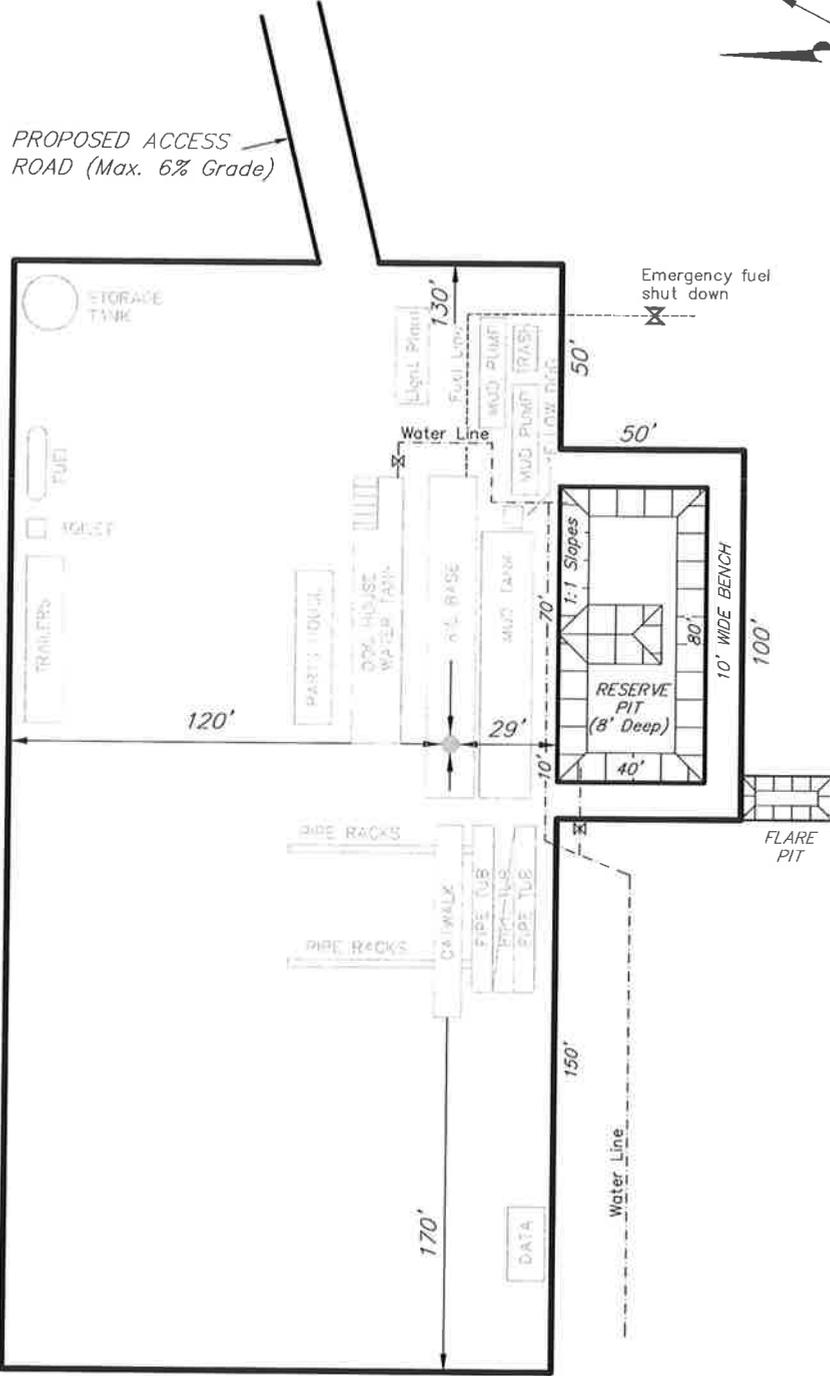
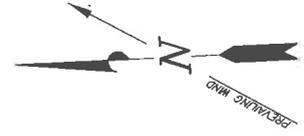
SURVEYED BY: T.H	DATE SURVEYED: 11-12-08
DRAWN BY: M.W.	DATE DRAWN: 11-20-08
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 4-25-8-15



SURVEYED BY: T.H	DATE SURVEYED: 11-12-08
DRAWN BY: M.W.	DATE DRAWN: 11-20-08
SCALE: 1" = 50'	REVISED:

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

**NEWFIELD PRODUCTION COMPANY  
FEDERAL 4-25-8-15  
NW/NW (LOT #2) SECTION 25, T8S, R15E  
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 Federal 4-25-8-15 located in the NW 1/4 NW 1/4 Section 25, T8S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 6.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 2.8 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 0.1 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southwest; proceed southwesterly along the proposed access road - 170'  $\pm$  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**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

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

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

Johnson Water District  
Water Right : 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

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

6. **SOURCE OF CONSTRUCTION MATERIALS**

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 (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-301, 1/29/09. Paleontological Resource Survey prepared by, Wade E. Miller, 3/5/09. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-67168 to allow for construction of the planned access road. **Refer to Topographic Map "B"**. A permanent width of 30' and a running surface of 18' is proposed for the planned access road. The construction phase of the planned access road will last approximately (5) days. The planned 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 170' of disturbed area be granted in Lease UTU-67168 to allow for construction of the proposed surface gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 10" or smaller gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. 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.

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-67168 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line, with a permanent width of 30' upon completion of the proposed water return line. The construction phase of the proposed water lines will last approximately (5) days. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

**Water Disposal**

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

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

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

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 15 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between May 15 and June 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

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

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

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

**Details of the On-Site Inspection**

The proposed Federal 4-25-8-15 was on-sited on 12/10/08. The following were present; Tim Eaton (Newfield Production ), Christine Cimiluca (Bureau of Land Management), and James Herford (Bureau of Land Management). Ground cover was 30% open.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-25-8-15 NW/NW Section 25, Township 8S, Range 15E: Lease UTU-67168 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the

operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

5/21/09

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

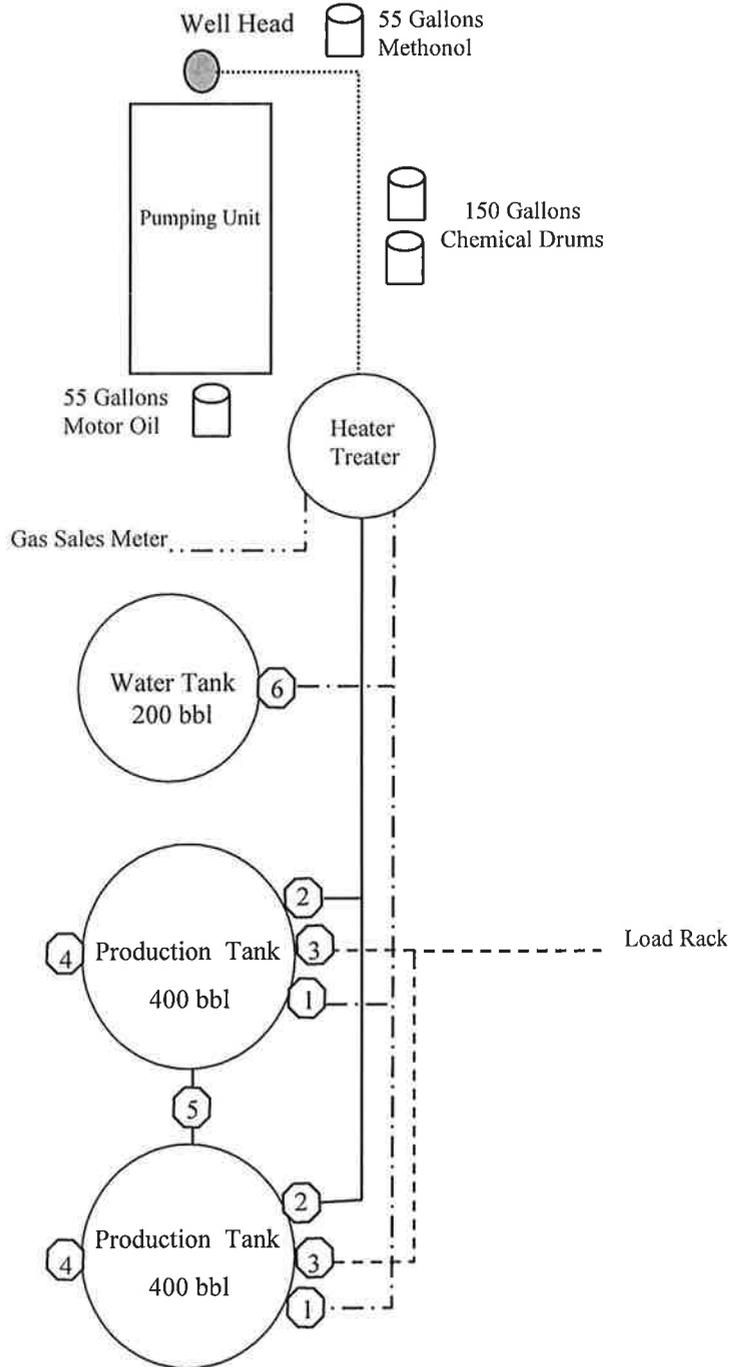
# Newfield Production Company Proposed Site Facility Diagram

Federal 4-25-8-15

NW/NW (Lot #2) Sec. 25, T8S, R15E

Duchesne County, Utah

UTU-67168



## Legend

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

## Production Phase:

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

## Sales Phase:

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

## Draining Phase:

- 1) Valves 1 and 6 open

Diked Section



Exhibit "D"  
1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S FOUR BLOCK PARCELS  
(T8S, R15E, SECTIONS 25, 26, 35, AND 36)  
DUCHESNE COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

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

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-301

January 26, 2009

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

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-1227b,s

**NEWFIELD EXPLORATION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & UINTAH COUNTIES, UTAH  
(Includes Water Pipeline Surveys)**

Section 36 [Entire Section, excluding SW 1/4, NE 1/4 & SE 1/4, SE 1/4 (7 & 16-36-8-15)];  
Section 25 [Entire Section]; Section 26 [SE 1/4, NE 1/4, & SE 1/4 ( 8, 9, 10 ,15 & 16-26-8-15)];  
Section 35 [NE 1/4, SE 1/4 & SW 1/4, NE 1/4 (1, 7 & 8-35-8-15), SE 1/4, NW 1/4 (6-35-8-15),  
NE 1/4 & SE 1/4, SW 1/4 (11 & 14-35-8-15), & SE 1/4 ( 9, 10, 15 & 16-35-8-15)]. NE 1/4 & SE  
1/4, Section 32, T 8 S, R 17 E (11 & 14-32-8-17); NE 1/4, SE 1/4, Section 6, T 9 S, R 19 E (43-  
6-9-19); NE 1/4, SE 1/4, Section 7, T 9 S, R 17 E (43-7-9-17); SE 1/4, SE 1/4, Section 4, T 9 S,  
R 16 E (16-4-9-16)

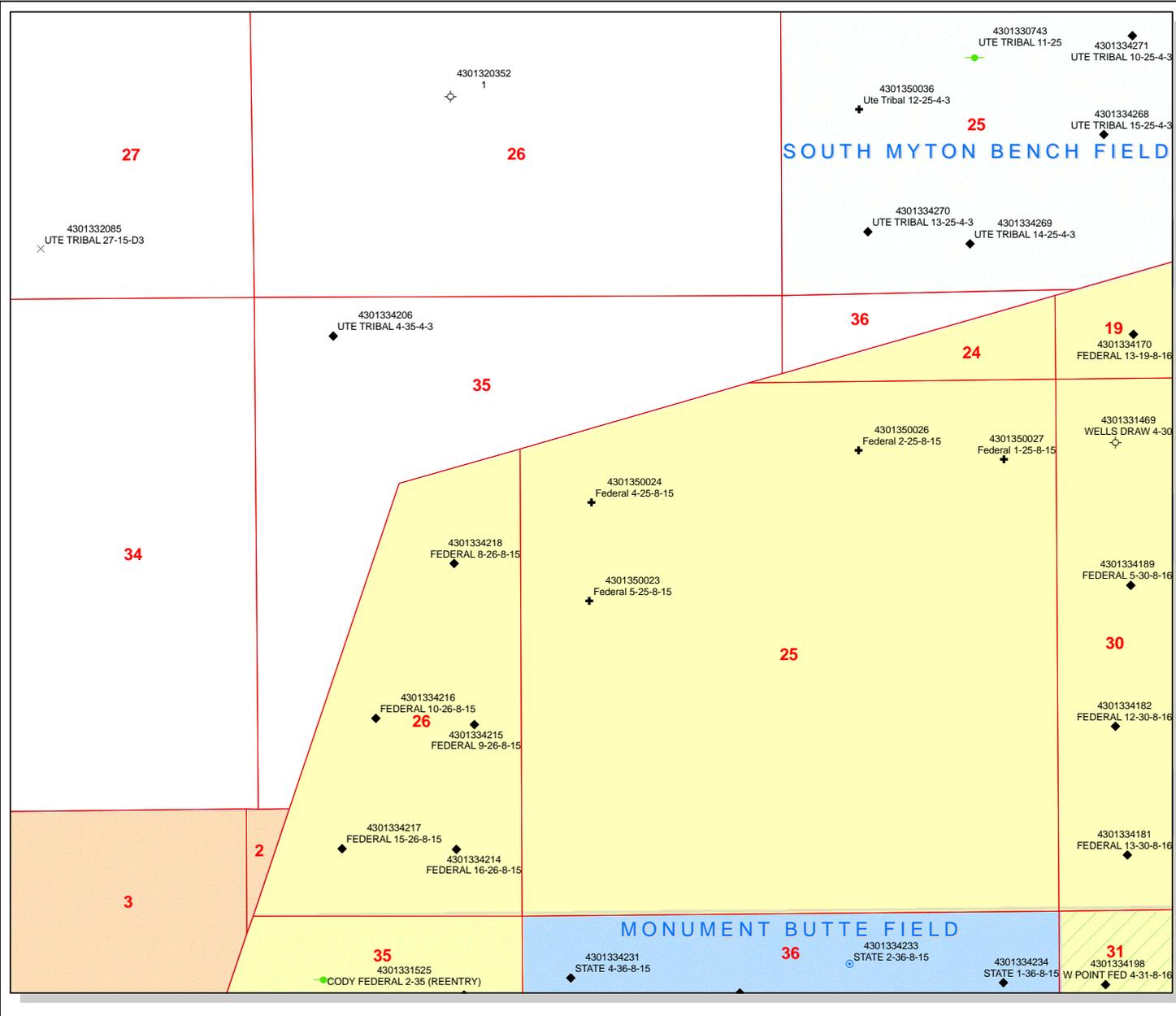
**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared by:

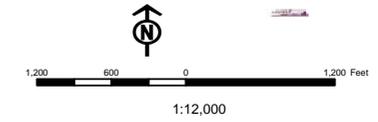
Wade E. Miller  
Consulting Paleontologist  
March 5, 2009



**API Number: 4301350024**  
**Well Name: Federal 4-25-8-15**  
**Township 08.0 S Range 15.0 E Section 25**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

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



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

---

---

**APD RECEIVED:** 5/19/2009

**API NO. ASSIGNED:** 43013500240000

**WELL NAME:** Federal 4-25-8-15

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NWNW 25 080S 150E

**Permit Tech Review:**

**SURFACE:** 0527 FNL 0708 FWL

**Engineering Review:**

**BOTTOM:** 0527 FNL 0708 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.09296

**LONGITUDE:** -110.18670

**UTM SURF EASTINGS:** 569331.00

**NORTHINGS:** 4438182.00

**FIELD NAME:** UNDESIGNATED

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU-67168

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

---

**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** FEDERAL - WYB000493
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 43-7478
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

**Commingle Approved**

**LOCATION AND SITING:**

- R649-2-3.**
  - Unit:**
  - R649-3-2. General**
  - R649-3-3. Exception**
  - Drilling Unit**
  - Board Cause No:** R649-3-2
  - Effective Date:**
  - Siting:**
  - R649-3-11. Directional Drill**
- 

**Comments:** Presite Completed  
IRR SEC:

**Stipulations:** 4 - Federal Approval - dmason  
23 - Spacing - dmason



JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Federal 4-25-8-15  
**API Well Number:** 43013500240000  
**Lease Number:** UTU-67168  
**Surface Owner:** FEDERAL  
**Approval Date:** 6/9/2009

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**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.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**Notification Requirements:**

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

**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.

**Approved By:**

A handwritten signature in black ink, appearing to read "Gil Hunt", written in a cursive style.

For Gil Hunt  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67168
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Federal 4-25-8-15
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013500240000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0527 FNL 0708 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 25 Township: 08.0S Range: 15.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED  <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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/1/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

Newfield proposes to extend the permit to drill this well for one year.

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

Date: June 03, 2010

By: 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/1/2010	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013500240000**

**API:** 43013500240000

**Well Name:** Federal 4-25-8-15

**Location:** 0527 FNL 0708 FWL QTR NWNW SEC 25 TWNP 080S RNG 150E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 6/9/2009

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

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

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

**Signature:** Mandie Crozier

**Date:** 6/1/2010

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

**Date:** June 03, 2010

**By:** 

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration

Rig Name/# Ross #21

Submitted By Mitch Benson

Phone Number (435) 823-5885

Name/Numer FEDERAL 4-25-8-15

Qtr/Qrt NW/NW Section 25 Township 8S Range 15E

Lease Serial Number UTU-67168

API Number 43-013-50024

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

Date/Time 10/30/2010 8:00:00 AM

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

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

Date/Time 10/30/2010 2:00:00 PM

Remarks:

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400 ✓	4301350182	FED BELUGA T-7-9-17	NESE	07 17	9S	17E	DUCHESNE	11/2/2010	11/4/10
WELL 1 COMMENTS: GRRV BHL = SESE											
A	99999	17848	4301350386	UTE TRIBAL 5-27-4-3	SWNW	27	4S	3W	DUCHESNE	10/20/2010	11/4/10
GRRV											
A	99999	17849	4304751119	UTE TRIBAL 7-9-4-1E	SWNE	9	4S	1E	UINTAH	11/1/2010	11/4/10
GRRV											
A	99999		4304751120	UTE TRIBAL 1-10-4-1E	NENE	10	4S	1E	UINTAH	10/31/2010 <sup>12</sup>	11/4/10
Duplicate - Orig processed 10/19/10 amended spud 10/4/10											
B	99999	17400 ✓	4301350146	FEDERAL 8-29-8-16	SENE	29	8S	16E	DUCHESNE	10/30/2010	11/4/10
WELL 5 COMMENTS: GRRV											
b	99999	17400 ✓	4301350024	FEDERAL 4-25-8-15	NWNW	25	8S	15E	DUCHESNE	10/30/2010	11/4/10
WELL 5 COMMENTS: GRRV											

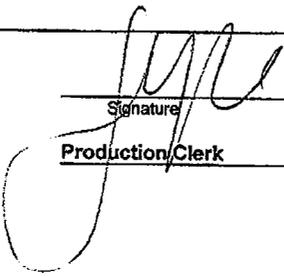
ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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

RECEIVED  
 NOV 02 2010

DIV. OF OIL, GAS & MINING

  
 Signature  
 Jentri Park  
 Production Clerk  
 11/02/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

0527 FNL 0708 FWL  
NWNW Section 25 T8S R15E

5. Lease Serial No.

UTU-67168

6. If Indian, Allottee or Tribe Name.

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

GMBU

8. Well Name and No.

FEDERAL 4-25-8-15

9. API Well No.

4301350024

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

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

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

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

On 11/1/10 MIRU Ross # 29. Spud well @ 8:00 AM. Drill 350' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24# casing. Set @ 351.32' KB. On 11/7/10 cement with 170 sks of class "G" w/ 2% CaCL2 + 1/4# per sk Cello Flake mixed @ 15.8 ppg with 1.17 cf/sk yield. Returned 5 bbls cement to pit. WOC.

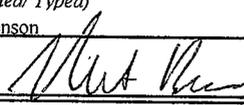
I hereby certify that the foregoing is true and correct (Printed/ Typed)

Title

Mitch Benson

Drilling Foreman

Signature



Date

11/09/2010

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

Approved by \_\_\_\_\_

Title

Date

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

Office

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

(Instructions on page 2)

**RECEIVED**

**NOV 17 2010**

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





**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-67168

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 4-25-8-15

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301350024

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 0527 FWL 0708 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW, 25, T8S, R15E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/15/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 12-15-10, attached is a daily completion status report.

**RECEIVED**  
**DEC 23 2010**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 12/22/2010

(This space for State use only)

**Daily Activity Report****RECEIVED****Format For Sundry****DEC 23 2010****FEDERAL 4-25-8-15****DIV. OF OIL, GAS & MINING****10/1/2010 To 2/28/2011****12/3/2010 Day: 1****Completion**

Rigless on 12/3/2010 - Run CBL & shoot first stage. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6444' cement top @ 170'. Perforate BsCarb sds as shown in perforation report. 154 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$15,773**12/10/2010 Day: 2****Completion**

Rigless on 12/10/2010 - Frac well. Flow well back. - Stage #3; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 6180'. Perferate CP4/1 sds w/ 3 spf for total of 30 shots. RU BJ & open well w/ 2197 psi on casing. Perfs broke down @ 2504 psi back to 2480 psi w/ 2 bbls @ 3 bpm. Pump 30 gals of Techni Hib Chemical @ 4% by volume. Frac w/ 31,033#'s of 20/40 sand in 425 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2981 @ ave rate of 40 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2283 w/ .81FG. 5 min was 2244. 10 min was 2226. 15 min was 2212. Leave pressure on well. 3026 Bbls EWTR. - Stage #6; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5050'. Perferate D1 sds w/ 3 spf for total of 12 shots. RU BJ & open well w/ 1796 psi on casing. Perfs broke down @ 1878 psi back to 1878 psi w/ 2 bbls @ 3 bpm. Pump 30 gals of Techni Hib Chemical @ 4% by volume. Frac w/ 11,082#'s of 20/40 sand in 240 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2971 @ ave rate of 27 bpm w/ 6 ppg of sand. ISIP was 1979 w/ .83FG. 5 min was 1850. 10 min was 1822. 15 min was 1813. 3917 Bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 8 hours & rec'd 1000 bbls. SIFN w/ 2917 bbls EWTR. - Stage #5; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5254'. Perferate C sds w/ 3 spf for total of 18 shots. RU BJ & open well w/ 1932 psi on casing. Perfs broke down @ 2035 psi back to 2028 psi w/ 2 bbls @ 3 bpm. Pump 30 gals of Techni Hib Chemical @ 4% by volume. Frac w/ 10,421#'s of 20/40 sand in 239 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3013 @ ave rate of 27 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1954 w/ .81FG. 5 min was 1880. 10 min was 1858. 15 min was 1851. Leave pressure on well. 3677 Bbls EWTR. - Stage #4; RU WLT. RIH w/ frac plug & perf guns. Set plug @ 5650'. Perferate LODC sds w/ 3 spf for total of 33 shots. RU BJ & open well w/ 2031 psi on casing. Perfs broke down @ 2179 psi back to 2078 psi w/ bbls @ bpm. Pump 30 gals of Techni Hib Chemical @ 4% by volume. Frac w/ 30,420#'s of 20/40 sand in 412 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2370 @ ave rate of 31 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2141 w/ .82FG. 5 min was 2058. 10 min was 2073. 15 min was 2076. Leave pressure on well. 3438 Bbls EWTR. - Stage #2; RU PSI WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford (6K) composite flow through frac plug & perf gun. Set plug @ 6290'. Perferate CP5 sds @ 6242-46' w/ 3-1/8" Slick Guns (16 gram, .34"EH, 21"pen, 120°) w/ 3 spf for total of 12 shots. RU BJ & open well w/ 2191 psi on casing. Perfs broke down @ 4137 psi back to 2209 psi w/ 2 bbls @ 3 bpm. Pump 30 gals of Techni Hib Chemical @ 4% by volume. Frac w/ 10,309#'s of 20/40 sand in 274 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3224 @ ave rate of 25 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2414 w/ .82FG. 5 min was 2259. 10 min was 2240. 15 min was 2220. Leave pressure on well. 2601 Bbls EWTR. - Stage #1; RU BJ Services "Ram Head" frac flange. RU BJ & open well w/ 51 psi on casing. Perfs broke down @ 3641 psi back to 2534 psi w/ 6 bbls @ 3 bpm. ISIP was 2534 w/ .83FG. 1 min was 2456. 4 min was 2400. Pump 24 bbls of 15% HCL acid (had 800 psi drop when hit perfs). Pump 30 gals of

Techni Hib Chemical @ 4% by volume. Frac w/ 82,241#'s of 30/50 sand in 2173 bbls of slick water. Treated @ ave pressure of 3624 @ ave rate of 61 w/ step up to 2 ppg of sand. Had 3 sweeps pumped. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2384 w/ .81FG. 5 min was 2333. 10 min was 2328. 15 min was 2308. Leave pressure on well. 2327 Bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$140,824

**12/11/2010 Day: 3**

**Completion**

WWS #1 on 12/11/2010 - MIRUSU. Set kill plug. PU tbg. - MIRUSU. RU Hot Oiler & pump 20 bbls water down casing. Open well w/ 800 psi on casing. Final pressure was 1200 psi. RU Perforators LLC WLT w/ lubricator. RIH w/ solid composite plug & set @ 4920'. RD WLT. RD Cameron BOP's & frac head. Instal 3M production tbg head & Schefer BOP's. RU 4-3/4" Chomp mill & x-over sub. Tally, pickup & TIH w/ new J-55, 2-7/8", 6.5#, 8EUE tbg to tag plug @ 4908'. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$188,162

**12/13/2010 Day: 4**

**Completion**

WWS #1 on 12/13/2010 - Drlg plugs. C/O to PBTB. Swab well. - Thaw well out. RU swivel pump & tanks. TIH w/ to tag plug @ 4920'. Drlg out kill plug. TIH w/ tbg to continue drlg out plugs. Tag fill @ 5342'. C/O to PBTB @ 6487' (145' of sand). RD swivel. LD 3 jts tbg. RU swab equipment. Made 6 runs to rec'd 70 bbls of fluid. FFL was 700'. Last run showed water w/ no sand. SIFN w/ 2840 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$193,715

**12/15/2010 Day: 6**

**Completion**

WWS #1 on 12/15/2010 - Continue PU rods. Put well on pump. Finhal Report. - Open well w/ 50 psi on casing. Continue PU rods. 66- 3/4" plain rods, 97- 7/8" guided rods, 2', 8' x 7/8" pony rod, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 11AM w/ 4.5 spm w/ 122"SL w/ 2760 bbls EWTR. Final Report. - Open well w/ 250 psi csg. RU swab. Made 5 runs & rec'd 75 bbls fluid. Last run showed trace of oil w/ no sand. FFL was 300'. RD swab. TIH w/ tbg to tag no new sand. TOOH w/ tbg. LD mill & x-over sub. TIH w/ BP, 3 jts tbg, PBGA, 1 jt tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear, 198 jts tbg. RD BOP's. Set TA @ 6199' w/ 18,000#'s tension w/ SN @ 6233' & EOT @ 6366'. Flush tbg w/ 80 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 21' x 24' new cntrl Hydrlic RHAC pump, 6- 1-1/2" weight rods, 78- 3/4" guided rods. SIFN w/ 2780 bbls EWTR. - Open well w/ 250 psi csg. RU swab. Made 5 runs & rec'd 75 bbls fluid. Last run showed trace of oil w/ no sand. FFL was 300'. RD swab. TIH w/ tbg to tag no new sand. TOOH w/ tbg. LD mill & x-over sub. TIH w/ BP, 3 jts tbg, PBGA, 1 jt tbg, SN, 1 jt tbg, TA new Cntrl Hydrlic w/ 45,000# shear, 198 jts tbg. RD BOP's. Set TA @ 6199' w/ 18,000#'s tension w/ SN @ 6233' & EOT @ 6366'. Flush tbg w/ 80 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 21' x 24' new cntrl Hydrlic RHAC pump, 6- 1-1/2" weight rods, 78- 3/4" guided rods. SIFN w/ 2780 bbls EWTR. - Open well w/ 50 psi on casing. Continue PU rods. 66- 3/4" plain rods, 97- 7/8" guided rods, 2', 8' x 7/8" pony rod, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 11AM w/ 4.5 spm w/ 122"SL w/ 2760 bbls EWTR. Final Report.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$243,492

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU-67168

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU

8. Lease Name and Well No.  
FEDERAL 4-25-8-15

9. AFI Well No.  
43-013-50024

10. Field and Pool or Exploratory  
GREATER MB UNIT

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 25, T8S, R15E

12. County or Parish  
DUCHESNE

13. State  
UT

14. Date Spudded  
11/01/2010

15. Date T.D. Reached  
11/20/2010

16. Date Completed  
12/15/2010  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5714' GL 5726' KB

18. Total Depth: MD 6533'  
TVD

19. Plug Back T.D.: MD 6444'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	351'		170 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6531'		280 PRIMLITE		170'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6366'	TA @ 6199'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4973'	6389'	6329-6389'	.36"	45	
B)			4973-6246'	.34"	105	
C)						
D)						

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

Depth Interval	Amount and Type of Material
6329-6389'	Frac w/ 84559#'s 20/40 sand in 1546 bbls of slick water in 1 stage
4973-6246'	Frac w/ 93262#'s 20/40 sand in 551 bbls of Lightning 17 fluid in 5 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/15/10	12/30/10	24	→	53	111	77			2-1/2" x 1-1/2" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD & USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4973'	6389'		GARDEN GULCH MRK	3885'
				GARDEN GULCH 1	4123'
				GARDEN GULCH 2	4247'
				POINT 3	4533'
				X MRKR	4792'
				Y MRKR	4823'
				DOUGALS CREEK MRK	4945'
				BI CARBONATE MRK	5210'
				B LIMESTON MRK	5346'
				CASTLE PEAK	5861'
				BASAL CARBONATE	6275'
				WASATCH	6407'

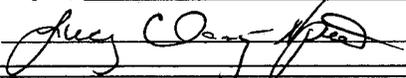
32. Additional remarks (include plugging procedure):

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

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

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-Naupoto Title Administrative Assistant

Signature  Date 01/11/2011

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.

**Daily Activity Report**

Format For Sundry

**FEDERAL 4-25-8-15****9/1/2010 To 1/30/2011****FEDERAL 4-25-8-15****Waiting on Cement****Date:** 11/9/2010

Ross #29 at 350. Days Since Spud - On 11/1/10 Ross Rig #29 spud Federal 4-25-8-15, drilled 350' of 12 1/4" hole, and ran 8 jts 8 5/8" - Returned 5 bbls to pit. - casing (guide shoe, shoe jt, baffle plate, 7 jts) set @ 351.32' KB. On 11/7/10 BJ Services cemented - 8 5/8" casing w/ 170 sks Class "G" + 2% CaCl2 + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield.

**Daily Cost:** \$0**Cumulative Cost:** \$45,019**FEDERAL 4-25-8-15****Rigging down****Date:** 11/17/2010

NDSI #3 at 350. 0 Days Since Spud - Install new air compressor and prepare to move.

**Daily Cost:** \$0**Cumulative Cost:** \$51,779**FEDERAL 4-25-8-15****Drill 7 7/8" hole with fresh water****Date:** 11/18/2010

NDSI #3 at 2100. 1 Days Since Spud - MIRU - Test BOP; Rams, valves, Choke Man 2000psi for 10min. Casing 1500psi for 30min. Tested good. - pick up BHA - Drill 7 7/8 hole w/fresh water from 311' to 2100' WOB/20, TGPM/375, TRPM/135, ROP/162 - Work on pump

**Daily Cost:** \$0**Cumulative Cost:** \$106,669**FEDERAL 4-25-8-15****Drill 7 7/8" hole with fresh water****Date:** 11/19/2010

NDSI #3 at 4900. 2 Days Since Spud - Rig service - Drill 7 7/8 hole w/fresh water from 2100' to 3539' WOB/20, TGPM/375, TRPM/135, ROP/162 - Drill 7 7/8 hole w/fresh water from 3539' to 4900' WOB/20, TGPM/375, TRPM/135, ROP/162

**Daily Cost:** \$0**Cumulative Cost:** \$154,677**FEDERAL 4-25-8-15****Drill 7 7/8" hole with fresh water****Date:** 11/20/2010

NDSI #3 at 6533. 3 Days Since Spud - Drill 7 7/8" Hole From 5744' To 6533', WOB 20,000 lbs, TRPM 135, GPM 355, AVG ROP 105.2 fph - No Flow @ TD 6533' - No H2s Reported Last 24 Hrs. - LDDP - Circ Hole For Laydown And Logs - Rig Service Check Crown-A-Matic ( Check Flow None) - Drill 7 7/8" Hole From 4900' To 5744', WOB 20,000 lbs, TRPM 135, GPM 355, AVG ROP 76.7 fph

**Daily Cost:** \$0**Cumulative Cost:** \$170,612**FEDERAL 4-25-8-15****Wait on Completion****Date:** 11/21/2010

NDSI #3 at 6533. 4 Days Since Spud - LDDP & BHA - Nipple Down Bop's, Set Slips With 100,000# Tension - Returned 27 bbls Cement To Pit, Bumped Plug To 2286 psi - ppg W/ 1.24

yield ( 50:50:2 +3%KCL +0.5%EC-1 +.25#CF +.05#SF +.3SMS + FP-6L ) Displaced With  
157 bbl - 3.53 Yield ( PL-II + 3% KCL +5#CSE +0.5#CF +5#KOL +.5SMS +FP +SF ) Then  
400 sks Tail Cement @ 14.4 - R/U BJ Services Cement Head,Test Lines To 4000# psi Pumped  
280sks Lead Cement Mixed @ 11.0 ppg W/ - Released Rig @ 11:00 PM 11/20/10 - R/U  
Phoenix Surveys Log Well With DISGL/SP/GR Suite From Loggers TD 6528' To Surface And  
DSN/SDL/GR/ - CAL Suite From 6528' To 3000' - Change Out 5 1/2" Pipe Rams,R/U B&C  
Quick Test,Test 5 1/2" Casing Raams To 2000# psi Tested OK - Clean Mud Tanks - R?U Q T  
Casing Run 154 jts 5.5" J-55 15.5# LT&C Casing,Shoe Set @ 6530',Float Collar @ 6486' 5 jts  
- Will Be Transferred To ( State 1-36-8-15) - Circ Casing **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$326,323

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. <i>NA Greater Men Butte</i>
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		8. Lease Name and Well No. Federal 4-25-8-15
2. Name of Operator Newfield Production Company		9. API Well No. <b>43 013 5002A</b>
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	10. Field and Pool, or Exploratory Monument Butte
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW (LOT #2) 527' FNL 708' FWL At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 25, T8S R15E
14. Distance in miles and direction from nearest town or post office* Approximately 10.7 miles southwest of Myton, UT		12. County or Parish Duchesne
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 527' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)		13. State UT
16. No. of acres in lease <i>2500.00</i> <i>1285.96</i>		17. Spacing Unit dedicated to this well 40 Acres <b>RECEIVED</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 993'		20. BLM/BIA Bond No. on file WYB000493 <b>FEB 24 2010</b>
19. Proposed Depth 6,490'		23. Estimated duration of OIL, GAS & MINING (7) days from SPUD to rig release
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 57-14' GL		22. Approximate date work will start* <i>3rd Qtr. 2009</i>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must 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 must 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 BLM.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date <i>5/22/09</i>
Title Regulatory Specialist	Name (Printed/Typed) <b>James H. Sparger</b>	Date <b>FEB 15 2010</b>
Approved by (Signature) <i>James H. Sparger</i>	Name (Printed/Typed) <b>James H. Sparger</b>	Date <b>FEB 15 2010</b>
Title <b>ACTING Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

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

(Continued on page 2)

\*(Instructions on page 2)

NOTICE OF APPROVAL

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MAY 22 2009

NOS 12-04-2008

AFMSS# 09SX90260A

**BOGHI**

BLM VERNAL, UTAH



**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:	NWNW (Lot #2), Sec. 25, T8S, R15E
Well No:	Federal 4-25-8-15	Lease No:	UTU-67168
API No:	43-047-50024 <i>03</i>	Agreement:	Greater Monument Butte (GR) Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**RECEIVED**

**FEB 24 2000**

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

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Federal 1-25-8-15, Federal 2-25-8-15, Federal 4-25-8-15, Federal 5-25-8-15, Federal 6-25-8-15, Federal 7-25-8-15, Federal 8-25-8-15, Federal 9-25-8-15, Federal 10-25-8-15, Federal 11-25-8-15, Federal 12-25-8-15, Federal 13-25-8-15, Federal 14-25-8-15, Federal 15-25-8-15, and Federal 16-25-8-15:

- Construction and drilling is not allowed from May 1<sup>st</sup> – June 15<sup>th</sup> to minimize impacts during Mountain plover nesting.
- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted by the BLM biologist.

Federal 1-25-8-15, Federal 2-25-8-15, Federal 3-25-8-15, Federal 4-25-8-15, Federal 5-25-8-15, Federal 6-25-8-15, Federal 7-25-8-15, Federal 8-25-8-15, Federal 9-25-8-15, Federal 10-25-8-15, Federal 11-25-8-15, Federal 12-25-8-15, Federal 13-25-8-15, Federal 14-25-8-15, Federal 15-25-8-15, and Federal 16-25-8-15:

**Reclamation**

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.

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**Seed Mix (Interim and Final Reclamation)**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	2.0	1/4 - 1/2"
Bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	2.0	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	3.0	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	1.0	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

**Monitoring and Reporting**

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

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

**SITE SPECIFIC DOWNHOLE COAs:**

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

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

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

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## OPERATING REQUIREMENT REMINDERS:

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

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

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

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