



RECEIVED

AUG 20 2004

DIV. OF OIL, GAS &amp; MINING

August 19, 2004

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

Dear Diana:

Enclosed find APD's on the above referenced wells. The 8-13-9-16 and 13-13-9-16 are Exception Locations. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate 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  
AUG 20 2004  
DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-64805

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

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

8. Lease Name and Well No.  
Federal 7-13-9-16

9. API Well No.  
43-013-32656

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SW/NE Sec. 13, T9S R16E

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  
Inland Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SW/NE 1807' FNL 2034' FEL 579781X 40.03321  
At proposed prod. zone 4431652Y - 110.06493

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 18.5 miles south of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1,201' f/lease, NA f/unit

16. No. of Acres in lease  
560.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1,299'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5490' GL

22. Approximate date work will start\*  
1st 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:

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 8/19/04

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 08-25-04

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.

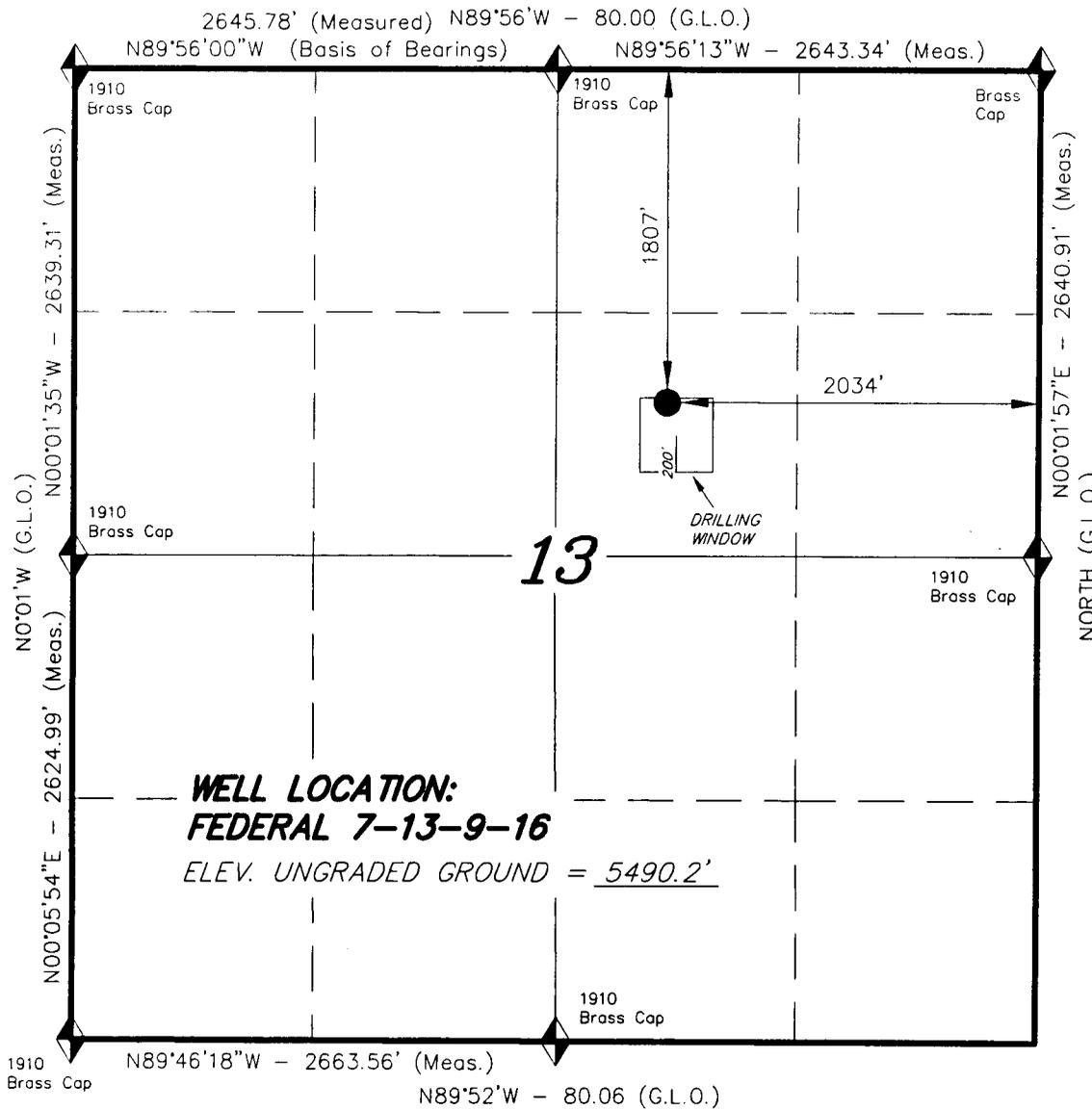
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

# T9S, R16E, S.L.B.&M.

# INLAND PRODUCTION COMPANY



WELL LOCATION, FEDERAL 7-13-9-16,  
 LOCATED AS SHOWN IN THE SW 1/4 NE  
 1/4 OF SECTION 13, T9S, R16E,  
 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.

REGISTERED LAND SURVEYOR  
 STACY W.  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

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

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 7-22-04	DRAFTED BY: F.T.M.
NOTES:	FILE #

INLAND PRODUCTION COMPANY  
FEDERAL #7-13-9-16  
SW/NE SECTION 13, T9S, R16E  
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' – 1640'
Green River	1640'
Wasatch	5915'

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

Green River Formation 1640' – 6500' - 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 2000 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.

**INLAND PRODUCTION COMPANY  
FEDERAL #7-13-9-16  
SW/NE SECTION 13, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #7-13-9-16 located in the SW 1/4 NE 1/4 Section 13, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 12.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles  $\pm$  to it's junction with an existing road to the south; proceed in a southeasterly and then in a southwesterly direction - 1.0 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly and then in a southeasterly direction - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road to the south; proceed along the proposed access road - 2,145'  $\pm$  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**

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 #04-44, 5/5/03. Paleontological Resource Survey prepared by, Wade E. Miller, 4/7/04. See attached report cover pages, Exhibit "D".

For the Federal #7-13-9-16 Inland Production Company 165' of disturbed area be granted in Lease UTU-75039 and 1,980' of disturbed area be granted in Lease UTU-64805 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.

Inland Production Company requests 165' of disturbed area be granted in Lease UTU-75039 and 1,980' of disturbed area be granted in Lease UTU-64805 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 6" gas gathering line, and a 3" 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.

Inland Production Company requests a 780' ROW in Lease UTU-035521A and 165' of disturbed area be granted in Lease UTU-75039 and 3,650' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **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 Inland's secondary recovery project.

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

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

**Inactive Nest:** Dixie Saddler to advise.

**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)

Shadscale	<i>Atriplex Confertifolia</i>	4 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	4 lbs/acre
Needle and Thread Grass	<i>Stipa Comata</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #7-13-9-16 was on-sited on 5/19/04. The following were present; Brad Mecham (Inland Production), David Gerbig (Inland Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 70 degrees.

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

Representative

Name: Brad Mecham

Address: Route #3 Box 3630  
Myton, UT 84052

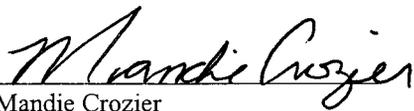
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #7-13-9-16 SW/NE Section 13, Township 9S, Range 16E: Lease UTU-64805 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 Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

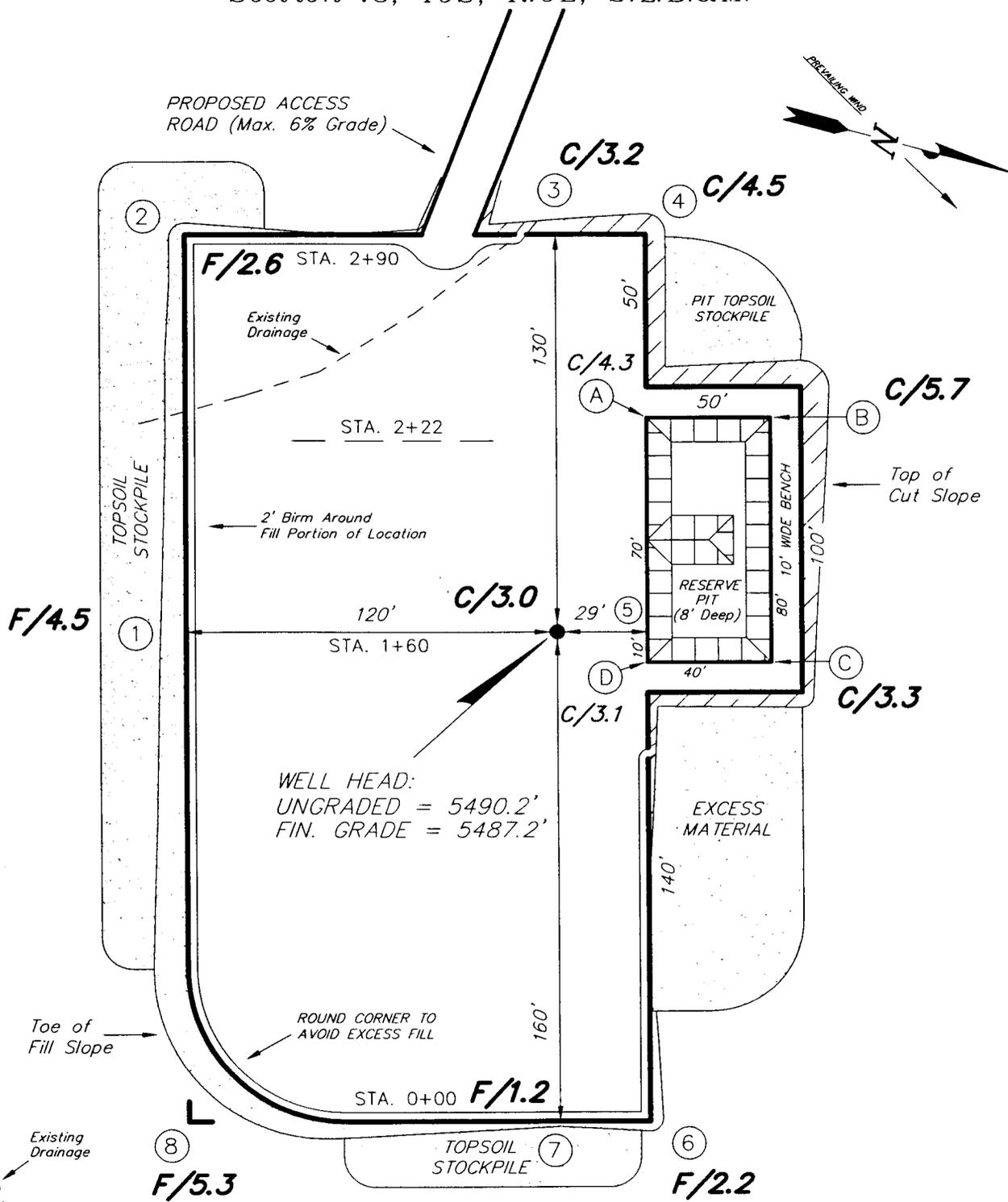
8/19/04  
Date

  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 7-13-9-16

Section 13, T9S, R16E, S.L.B.&M.



**REFERENCE POINTS**

- 210' EAST = 5484.1'
- 260' EAST = 5483.1'
- 170' SOUTH = 5479.8'
- 220' SOUTH = 5477.0'

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

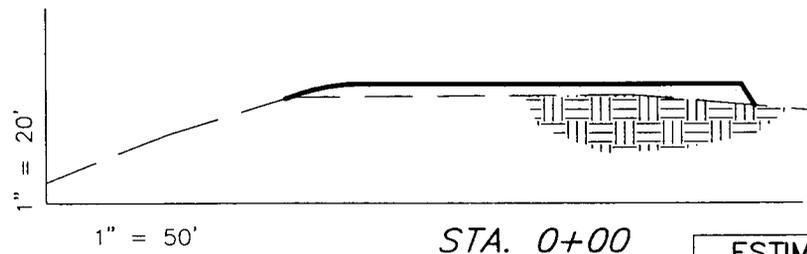
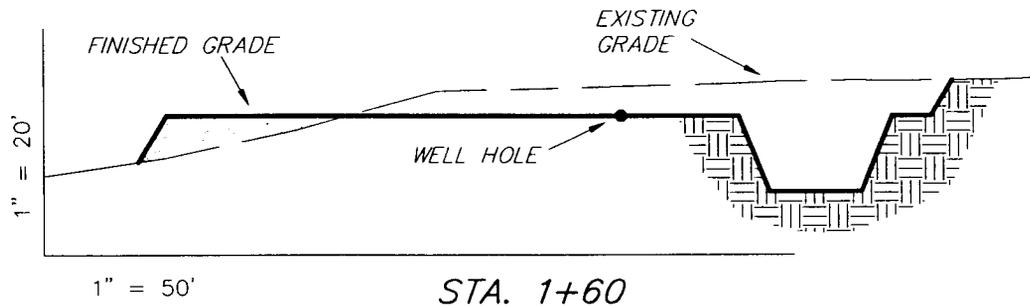
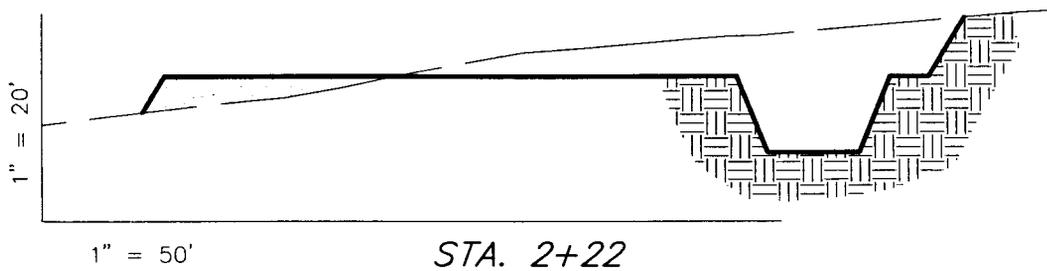
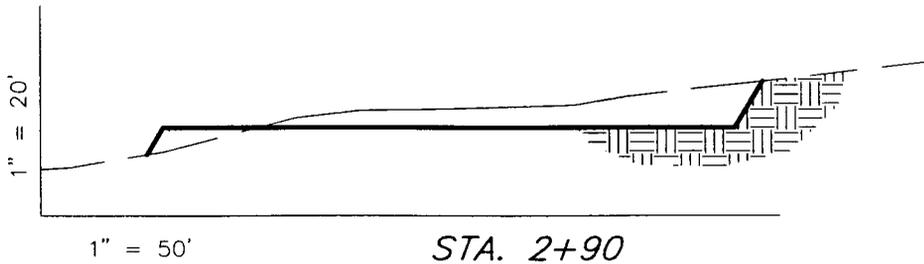
DATE: 7-22-04

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

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 7-13-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,110	2,110	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,750	2,110	890	640

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

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 7-22-04

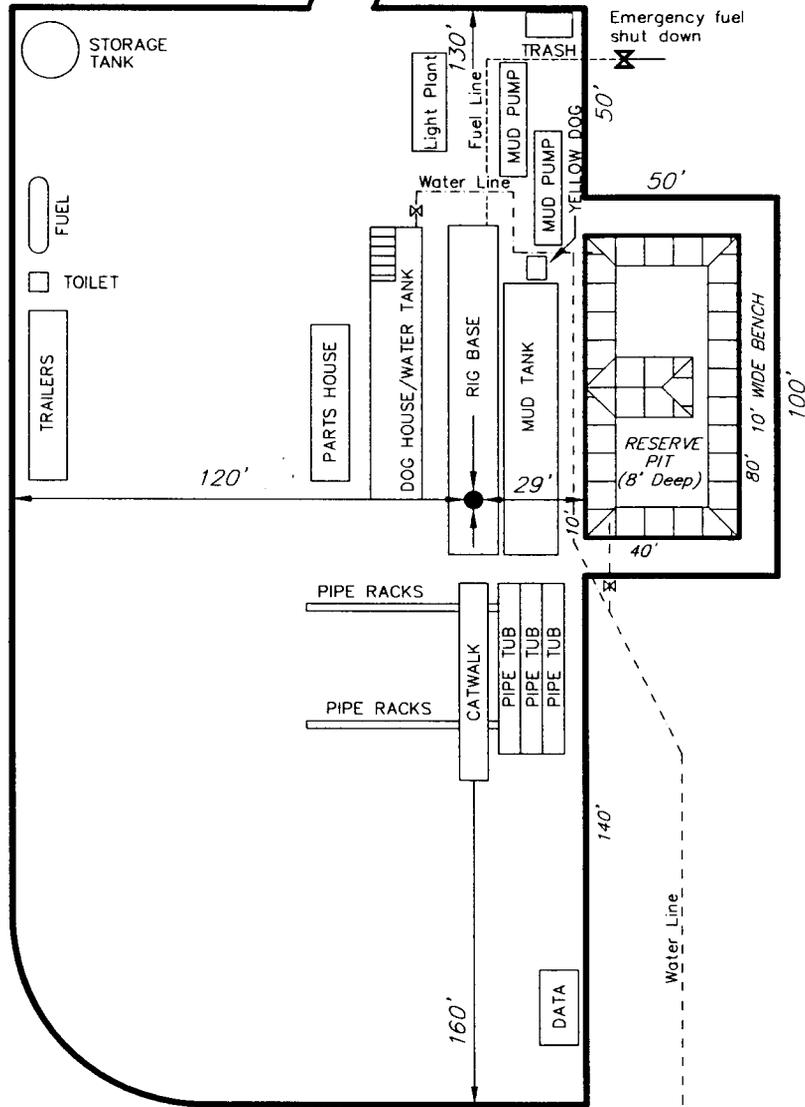
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 7-13-9-16

PROPOSED ACCESS ROAD (Max. 6% Grade)



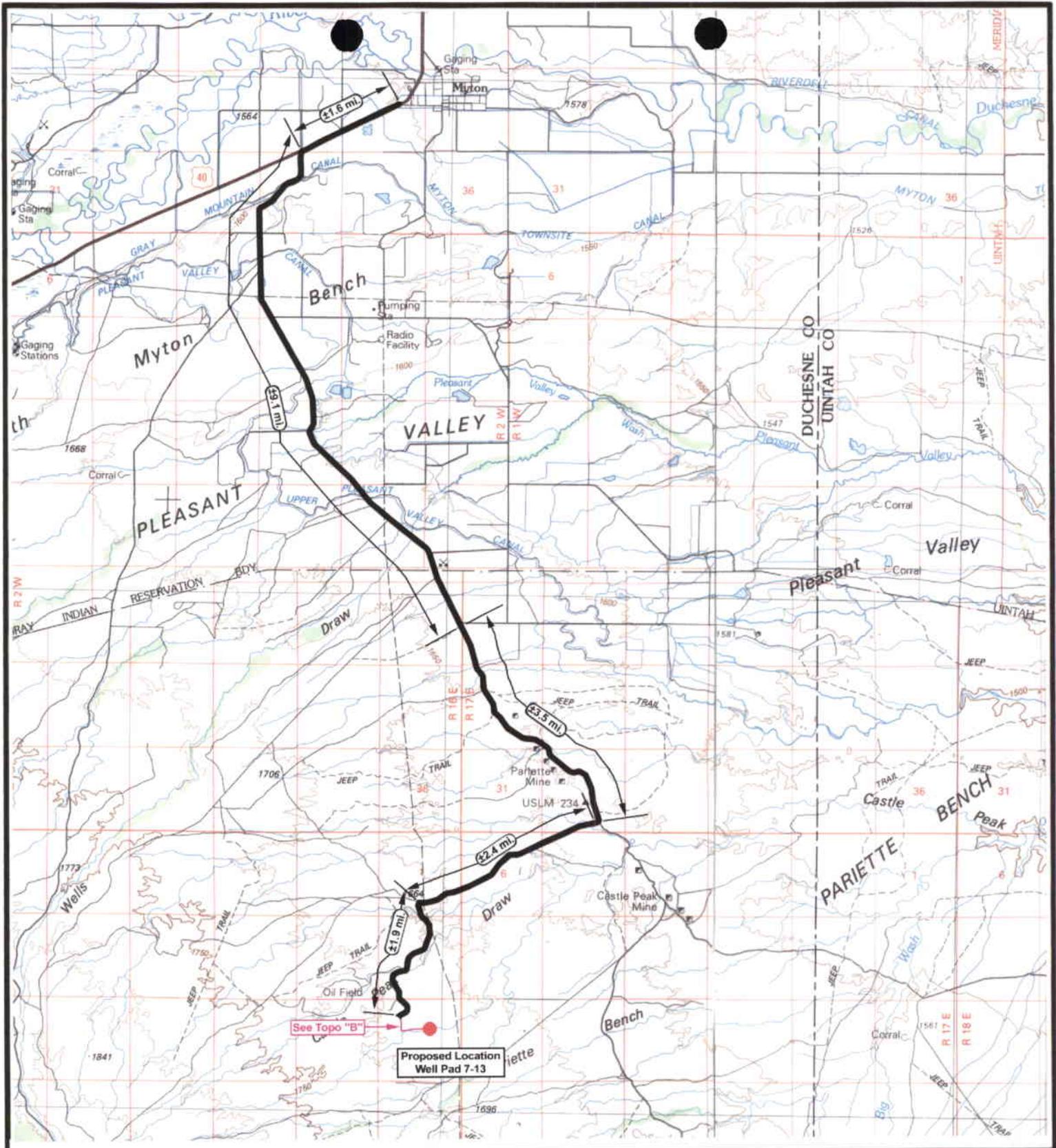
SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 7-22-04

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



**Federal 7-13-9-16  
SEC. 13, T9S, R16E, 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: bgm  
DATE: 07-22-2004

**Legend**

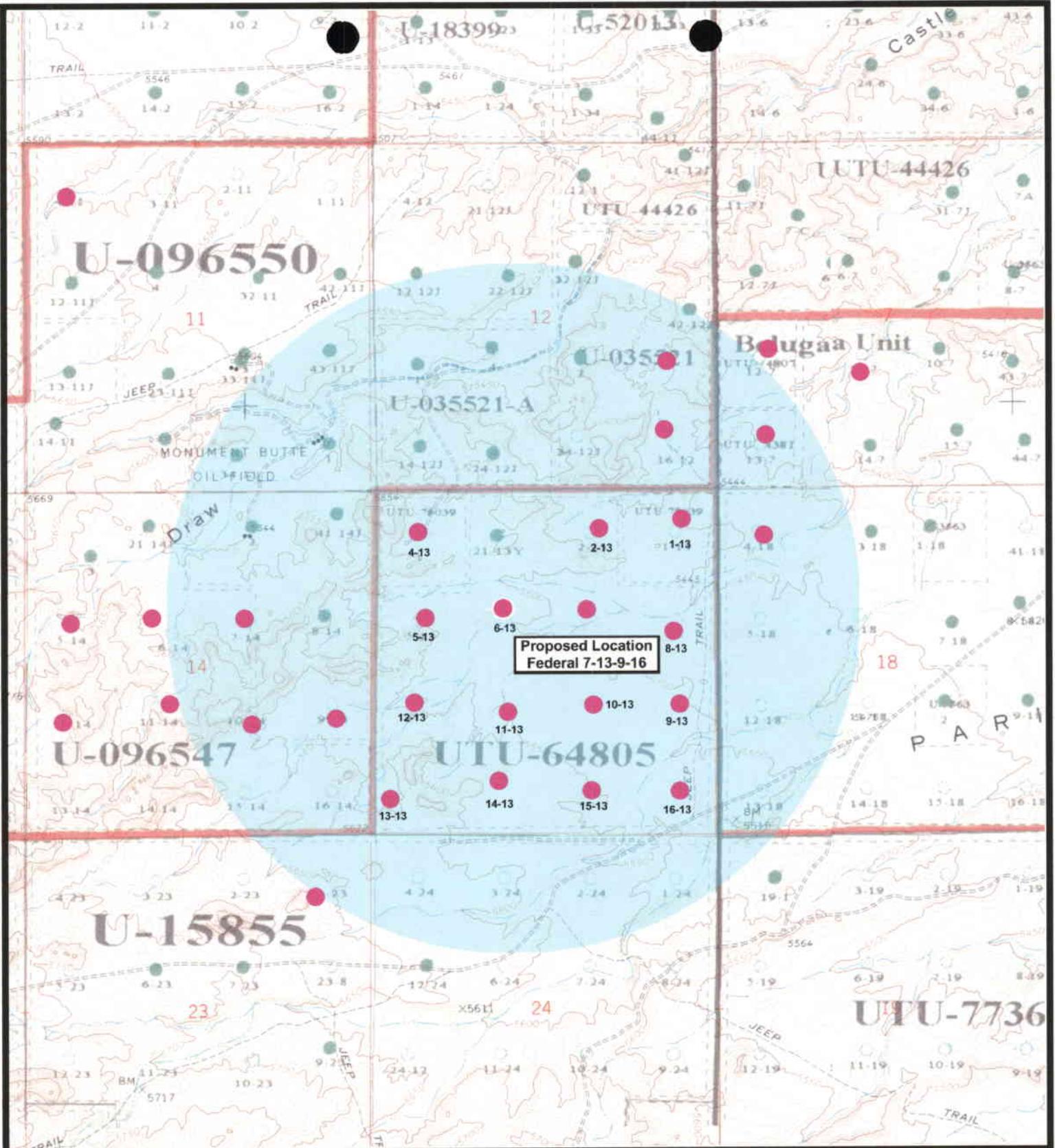
- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**









Proposed Location  
Federal 7-13-9-16



**Federal 7-13-9-16  
SEC. 13, T9S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2000'  
DRAWN BY: bgm  
DATE: 07-22-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

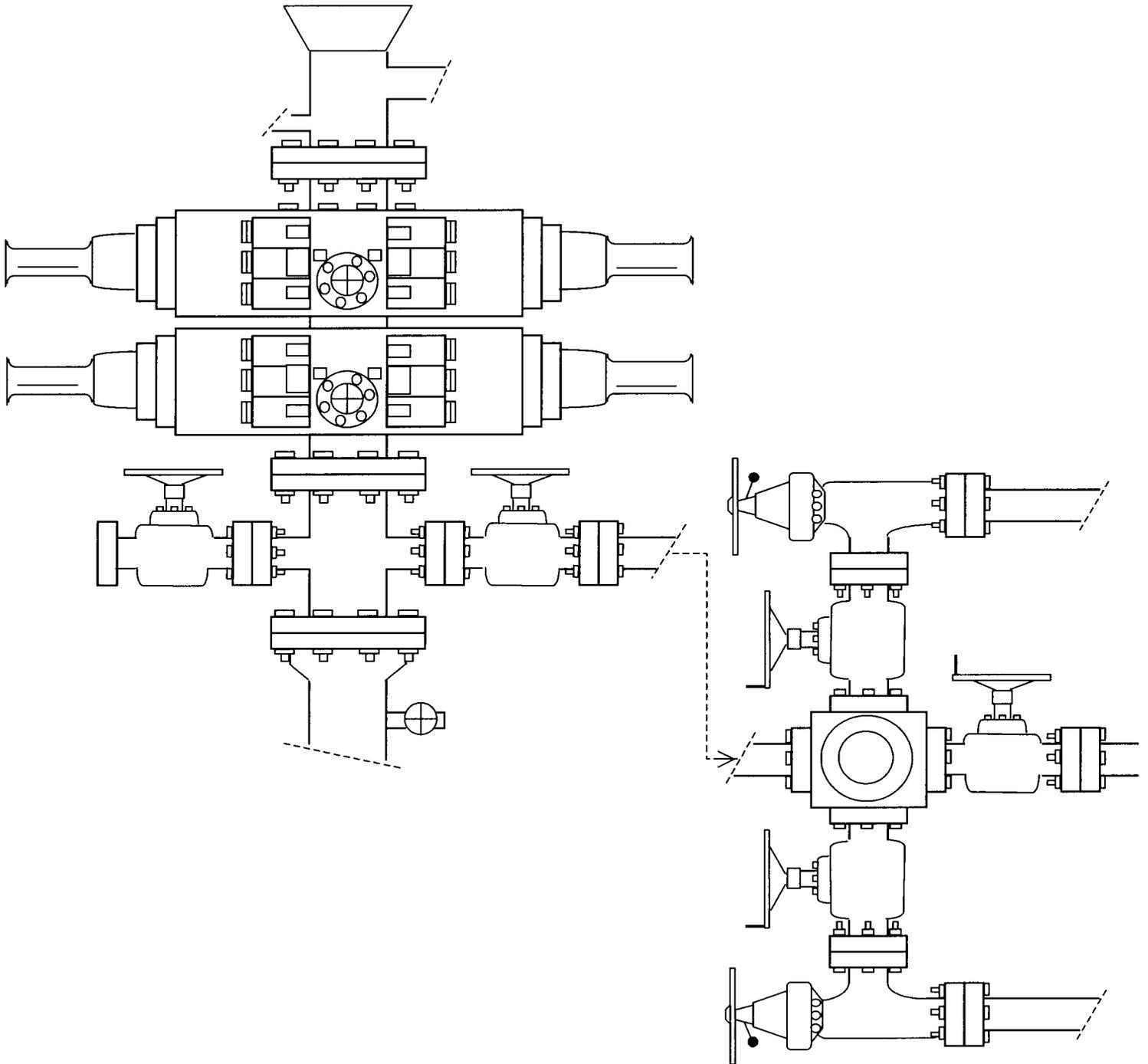


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)  
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

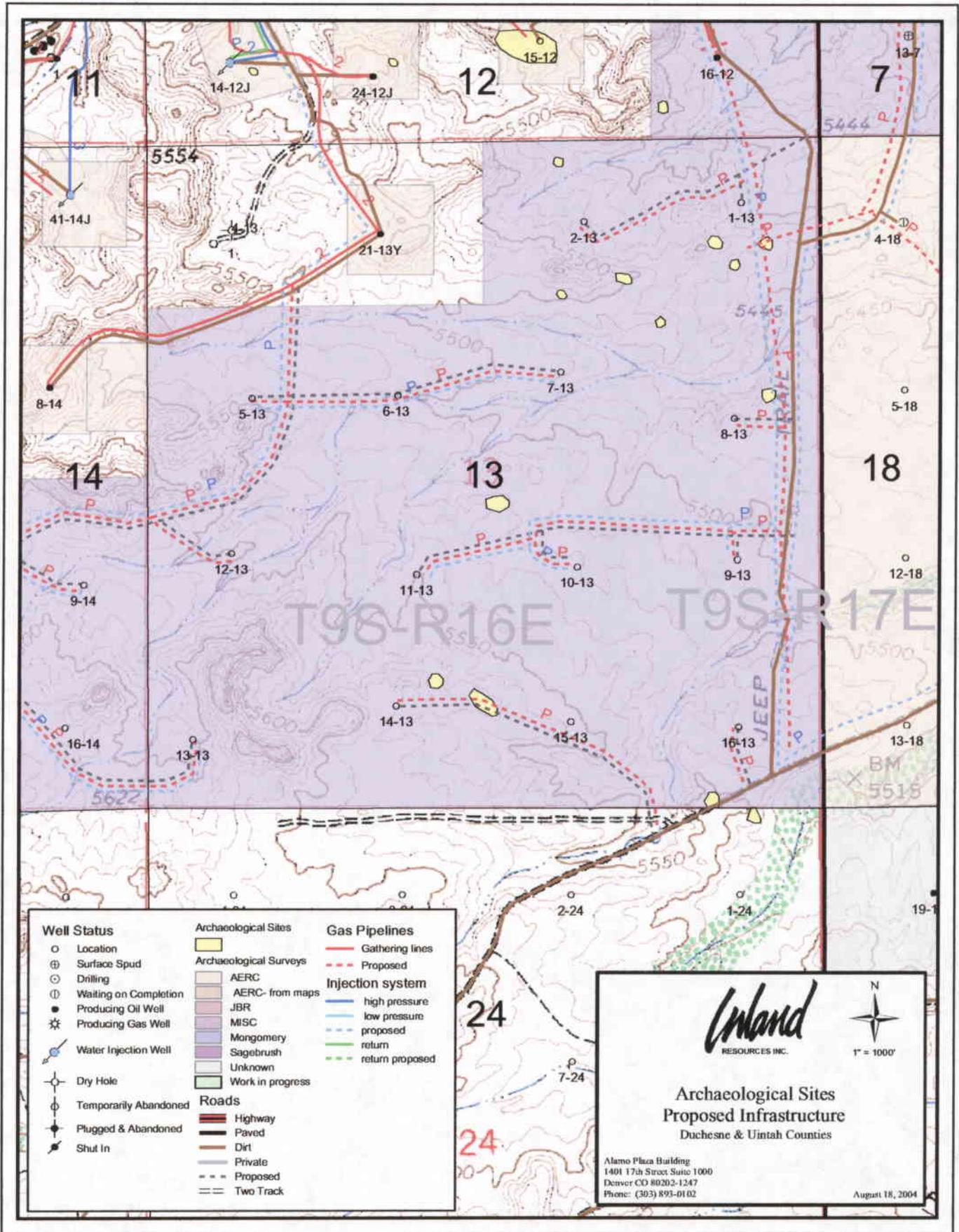
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-44

May 5, 2003

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

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0328b



**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & UINTA COUNTIES, UTAH**

Section 13, T 9 S, R 16 E [excluding NW 1/4];  
Section 11, T 9 S, R 18 E [excluding NW/SW, 12-11];  
Section 27, T 9 S, R 15 E [excluding NE/SW, 11-27]

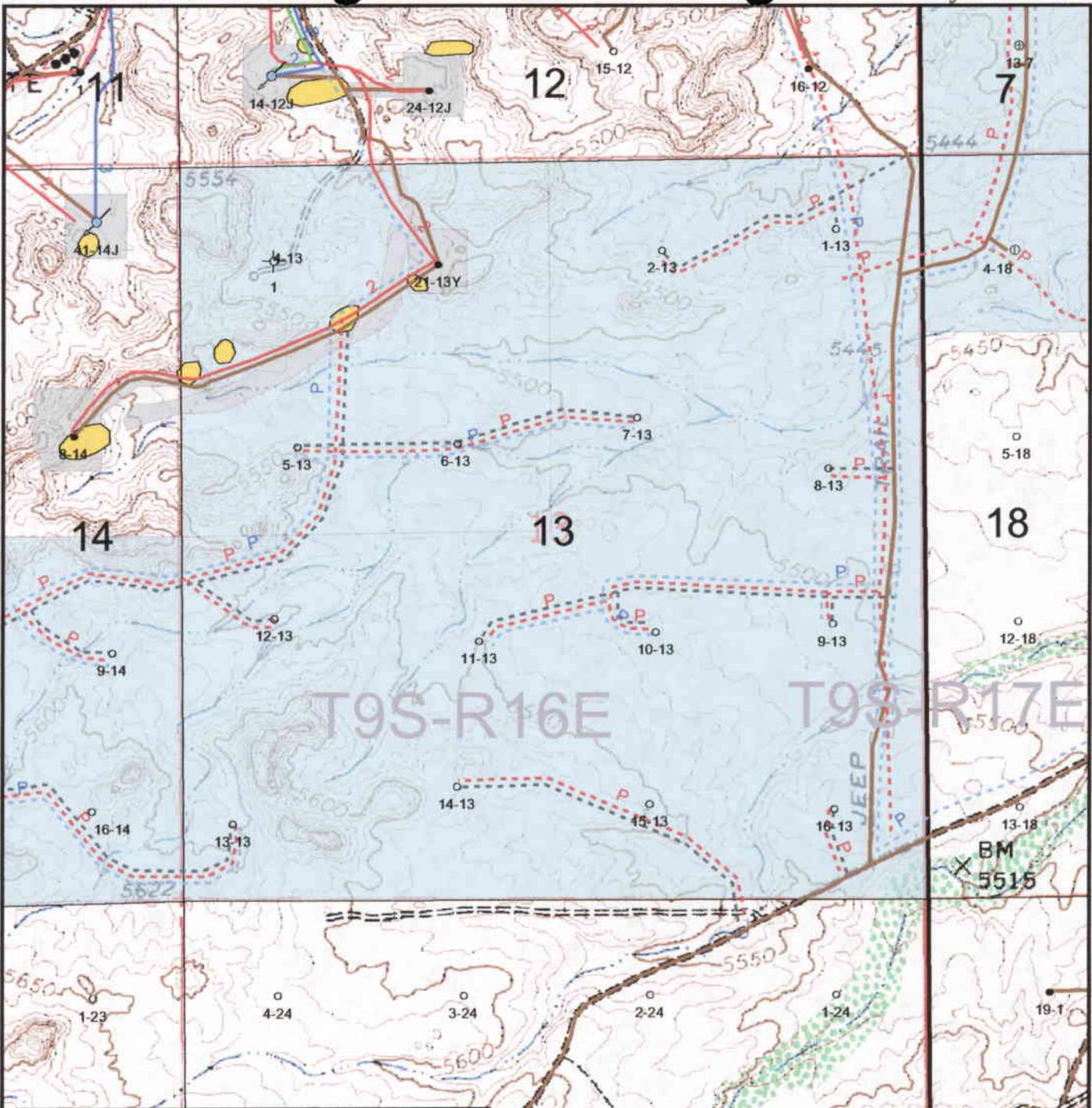
**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
April 7, 2004



Well Status	Paleontology - Sites	Gas Pipelines
○ Location	Yellow shaded area	Red line: Gas Pipelines
⊕ Surface Spud		Red dashed line: Proposed
⊙ Drilling	Paleontology surveys	Injection system
⊖ Waiting on Completion	Hamblin (light blue)	Blue line: high pressure
● Producing Oil Well	Miller (medium blue)	Blue dashed line: low pressure
★ Producing Gas Well	Sagebrush (light green)	Blue dotted line: proposed
⊕ Water Injection Well	Sheetz (yellow)	Green dashed line: return
○ Dry Hole	Uinta (light grey)	Green dotted line: return proposed
⊖ Temporarily Abandoned	Unknown (dark grey)	
⊖ Plugged & Abandoned	Roads	
⊖ Shut In	Red line: Highway	
	Black line: Paved	
	Brown line: Dirt	
	Thin brown line: Private	
	Black dashed line: Proposed	
	Black double line: Two Track	



1" = 1000'

**Inland**  
RESOURCES INC.

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

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

August 18, 2004

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

004

APD RECEIVED: 08/20/2004

API NO. ASSIGNED: 43-013-32656

WELL NAME: FEDERAL 7-13-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNE 13 090S 160E  
 SURFACE: 1807 FNL 2034 FEL  
 BOTTOM: 1807 FNL 2034 FEL  
 DUCHESNE  
 MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64805

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

LATITUDE: 40.03321

LONGITUDE: -110.0649

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- N Potash (Y/N)
- M Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- M RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

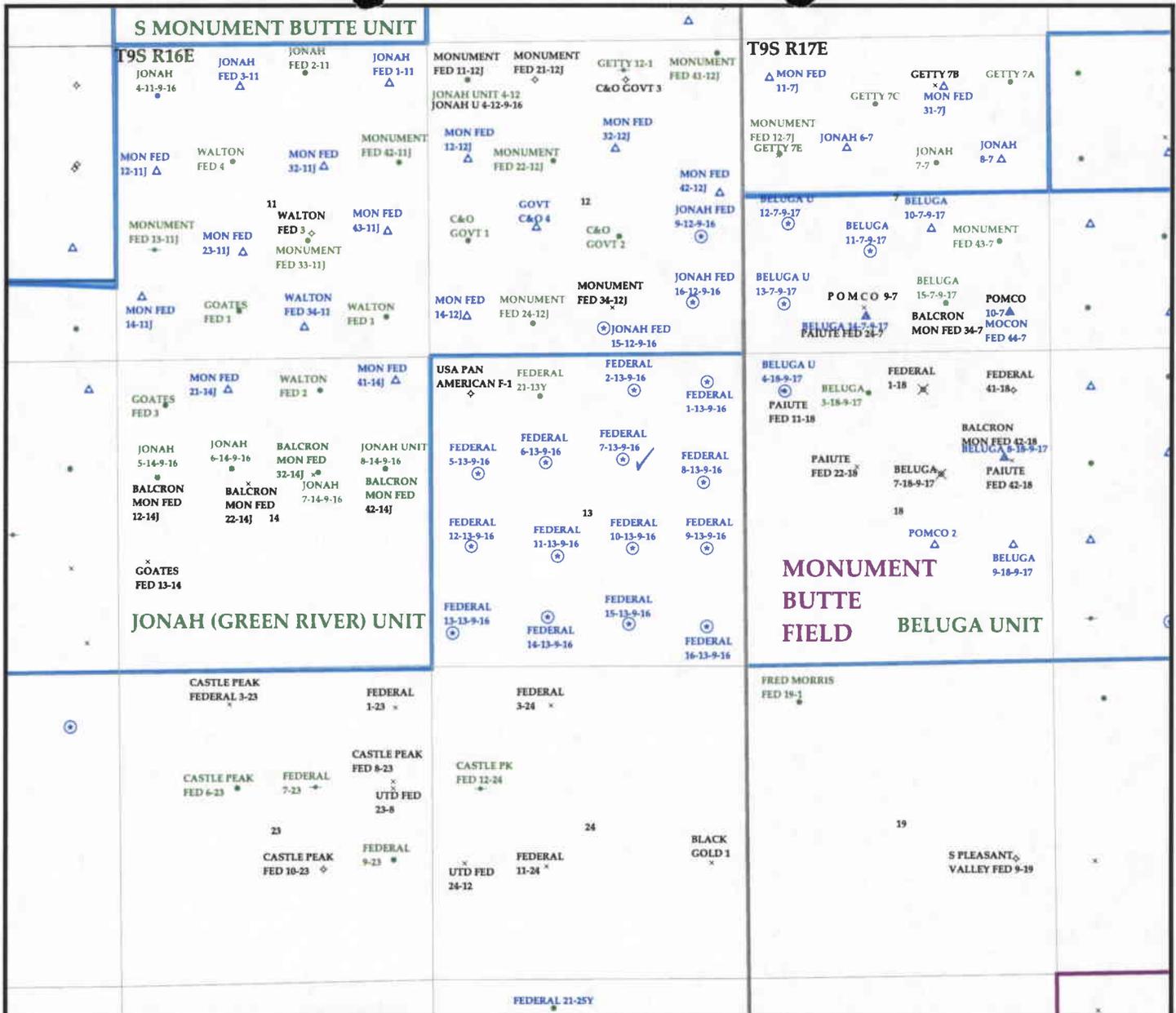
- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

*Sp. Separate file*

STIPULATIONS:

*1- Federal approval  
2- Spacing Sp*



**MONUMENT BUTTE FIELD**  
**BELUGA UNIT**

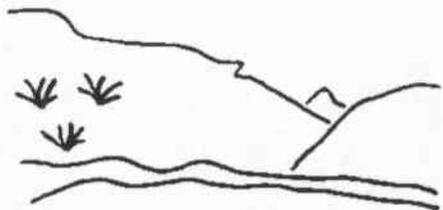
**OPERATOR: INLAND PRODUCTION CO (N5160)**

**SEC. 13 T.9S R.16E**

**FIELD: MONUMENT BUTTE (105)**

**COUNTY: DUCHESNE**

**SPACING: R649-3-2 / GENERAL SITING**



Utah Oil Gas and Mining

- |                       |                  |                   |
|-----------------------|------------------|-------------------|
| <b>Wells</b>          | <b>Units.shp</b> | <b>Fields.shp</b> |
| ♣ 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: 25-AUG-2004



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

August 25, 2004

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

Re: Federal 7-13-9-16 Well, 1807' FNL, 2034' FEL, SW NE, Sec. 13, T. 9 South,  
R. 16 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 43-013-32656.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

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

Operator: Inland Production Company

Well Name & Number Federal 7-13-9-16

API Number: 43-013-32656

Lease: UTU-64805

Location: SW NE                      Sec. 13                      T. 9 South                      R. 16 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.

5. 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.



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>	
1. GLH	
2. CDW	
3. FILE	

**006**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit:**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 15-34-8-17	34	080S	170E	4301332628		Federal	OW	APD	K
FEDERAL 14-34-8-17	34	080S	170E	4301332629		Federal	OW	APD	K
FEDERAL 13-34-8-17	34	080S	170E	4301332630		Federal	OW	APD	K
FEDERAL 12-34-8-17	34	080S	170E	4301332631		Federal	OW	APD	K
FEDERAL 16-13-9-16	13	090S	160E	4301332647		Federal	OW	APD	K
FEDERAL 15-13-9-16	13	090S	160E	4301332648		Federal	OW	APD	K
FEDERAL 14-13-9-16	13	090S	160E	4301332649		Federal	OW	APD	K
FEDERAL 13-13-9-16	13	090S	160E	4301332650		Federal	OW	NEW	K
FEDERAL 12-13-9-16	13	090S	160E	4301332651		Federal	OW	APD	K
FEDERAL 11-13-9-16	13	090S	160E	4301332652		Federal	OW	APD	K
FEDERAL 10-13-9-16	13	090S	160E	4301332653		Federal	OW	APD	K
FEDERAL 9-13-9-16	13	090S	160E	4301332654		Federal	OW	APD	K
FEDERAL 8-13-9-16	13	090S	160E	4301332655		Federal	OW	APD	K
FEDERAL 7-13-9-16	13	090S	160E	4301332656		Federal	OW	APD	K
FEDERAL 11-20-9-16	20	090S	160E	4301332598		Federal	OW	APD	K
FEDERAL 1-22-9-16	22	090S	160E	4301332612		Federal	OW	NEW	K
FEDERAL 9-10-9-17	10	090S	170E	4301332502	14325	Federal	OW	DRL	K
FEDERAL 13-11-9-17	11	090S	170E	4301332510	14273	Federal	OW	P	K
FEDERAL 12-11-9-17	11	090S	170E	4301332544		Federal	OW	APD	K
FEDERAL 1-15-9-17	15	090S	170E	4301332596		Federal	OW	APD	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UTU-64805**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**FEDERAL 7-13-9-16**

9. API Well No.  
**43-013-32656**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1807 FNL 2034 FEL SW/NE Section 13, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 8/25/04 (expiration 8/25/05).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-30-05

By: [Signature]

8-30-05  
C/H/O

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 8/19/2005

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

AUG 22 2005

RESERVED

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32656  
**Well Name:** Federal 7-13-9-16  
**Location:** SW/NE Section 13, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 8/25/2004

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  NA

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 right-of-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

Mandi Crozier  
Signature

8/19/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

AUG 22 2005

131

RECEIVED  
AUG 20 2004  
BLM VERNAL, UTAH

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-64805
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 7-13-9-16
9. API Well No. 43-013-32656
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SW/NE Sec. 13, T9S R16E
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  
Inland Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SW/NE 1807' FNL 2034' FEL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 18.5 miles south of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1,201' /t/ise, NA /t/unit

16. No. of Acres in lease  
560.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1,299'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5490' GL

22. Approximate date work will start\*  
1st 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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 8/19/04  
Title Regulatory Specialist

Approved by (Signature) *[Signature]* Name (Printed/Typed) Office Date 06/23/2005  
Title Assistant Field Manager Mineral Resources

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

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

\*(Instructions on reverse)

RECEIVED  
SEP 09 2005

DIV. OF OIL, GAS & MINING

*UDM*  
NOTICE OF APPROVAL  
*04JM1124A*

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company  
Well Name & Number: Federal 7-13-9-16  
API Number: 43-013-32656  
Lease Number: U-64805  
Location: SWNE Sec. 13 T.9S R. 16E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL**

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well  
This submission will replace the requirement for submittal of paper logs to the BLM.**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

-No construction or drilling will be allowed during the golden eagle nesting season (Feb. 1 to July 15) without conducting a survey to determine if the nest/s are active. The survey shall be conducted by a qualified biologist. If the nest/s are active, no construction or drilling would be allowed until the nest/s have been inactive for a two year period.

-The pumping unit would be equipped with a hospital-type muffler or other similar device to reduce noise levels.

-The construction of the well location shall be monitored by a certified paleontologist.

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMANY

Well Name: FEDERAL 7-13-9-16

Api No: 43-013-32656 Lease Type: FEDERAL

Section 13 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

**SPUDDED:**

Date 09/27/05

Time NOON

How DRY

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

Reported by TROY

Telephone # 1-435-823-6013

Date 09/27/2005 Signed CHD

# RECEIVED

SEP 30 2005

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 3830**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	14844	43-047-35584	FEDERAL 11-18-9-18	NESW	18	9S	18E	UINTAH	09/28/05	10/7/05
WELL COMMENTS: <i>GRV Sundance</i>											
B	99999	14844	43-047-35585	FEDERAL 13-18-9-18	SWSW	18	9S	18E	UINTAH	09/28/05	10/7/05
WELL COMMENTS: <i>GRV Sundance</i>											
B	99999	14844	43-047-35704	FEDERAL 1-13-9-17	NENE	13	9S	17E	UINTAH	09/29/05	10/7/05
WELL COMMENTS: <i>GRV Sundance</i>											
A	99999	14963	43-013-32656	FEDERAL 7-13-9-16	SWNE	13	9S	16E	DUCHESNE	09/27/05	10/7/05
WELL COMMENTS: <i>GRV</i>											
A	99999	14964	43-013-32657	FEDERAL 6-13-9-16	SENE	13	9S	16E	DUCHESNE	09/26/05	10/7/05
WELL COMMENTS: <i>GRV</i>											
A	99999										
WELL COMMENTS:											

**ACTION CODES (See instructions on back of form)**  
 A - Extension new entity for a new well (single well only)  
 B - Addressed to existing entity (group or individual well)  
 C - Re-assigned from one existing entity to another existing entity  
 D - Re-assigned from one existing entity to a new entity  
 E - Other (please explain in comments section)

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

*Kim Kettle*  
 Signature Kim Kettle  
 Production Clerk  
 Title September 30, 2005  
Date

09/30/2005 14:28 4356463031 INLAND PAGE 02

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.

**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)  
 1807 FNL 2034 FEL  
 SW/NE Section 13 T9S R16E

5. Lease Serial No.  
 UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 7-13-9-16

9. API Well No.  
 4301332656

10. Field and Pool, or Exploratory Area  
 Monument Butte

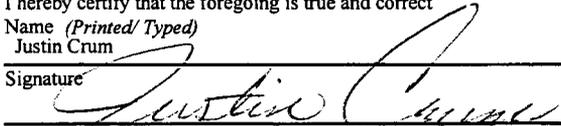
11. County or Parish, State  
 Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE 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 9/26/05 MIRU Ross # 24. Spud well @ 12:00 PM. Drill 303' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 311 KB. On 9/29/05 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5.5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 09/30/2005

**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**

**OCT 04 2005**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 311.92

LAST CASING 8 5/8" SET / 311.92  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD. DRILLER 303 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 7-13-9-16  
 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 40.45'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.02
		<b>GUIDE</b> shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	301.92
TOTAL LENGTH OF STRING	301.92	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>311.92</b>

TOTAL	300.07	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	300.07	7	
TIMING	1ST STAGE		
BEGIN RUN CSG.	Spud		GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE	9/27/2005		Bbls CMT CIRC TO SURFACE <u>5.5</u>
BEGIN CIRC	9/29/2005		RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE
BEGIN PUMP CMT	9/29/2005		
BEGIN DSPL. CMT	9/29/2005		BUMPED PLUG TO <u>400</u> PSI
PLUG DOWN	9/29/2005		

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 Justin Crum

DATE 9/30/2005

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.

**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)  
 1807 FNL 2034 FEL  
 SW/NE   Section 13 T9S R16E

5. Lease Serial No.  
 UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 7-13-9-16

9. API Well No.  
 4301332656

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE 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 11/1/05 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5880'. 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, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5878' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 2 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 85,000 #'s tension. Release rig @ 9:00 AM on 11/5/05.

RECEIVED  
NOV 08 2005  
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature <i>Justin Crum</i>	Date 11/07/2005

**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 _____	

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(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5813.38

Fit cllr @ 5787'

LAST CASING 8 5/8" SET AT 311'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5880' Loggers TD 5880'  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Federal 7-13-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI Rig # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	<b>6.00 @ 3868.53</b>					
<b>133</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5784.5
		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>	45.1
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		5877.35
TOTAL LENGTH OF STRING			5877.35	134	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			42.15	1	CASING SET DEPTH		<b>5875.35</b>
TOTAL			<b>5904.25</b>	135	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			5904.25	135			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			11/5/2005	12:00 AM	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE			11/5/2005	2:30 AM	Bbls CMT CIRC TO SURFACE <u>2 bbls</u>		
BEGIN CIRC			11/5/2005	2:30 AM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>		
BEGIN PUMP CMT			11/5/2005	7:00 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>		
BEGIN DSPL. CMT			11/5/2005	8:00 AM	BUMPED PLUG TO <u>1500</u> PSI		
PLUG DOWN			11/5/2005	8:30			
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>300</b>	Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#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 Justin Crum

DATE 11/5/2005

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.

**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)  
 1807 FNL 2034 FEL  
 SW/NE    Section 13 T9S R16E

5. Lease Serial No.  
 UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 7-13-9-16

9. API Well No.  
 4301332656

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 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 <i>Mandie Crozier</i>	Date 12/02/2005

**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 _____		

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(Instructions on reverse)

**DEC 05 2005**

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.  
UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 7-13-9-16

9. API Well No.  
4301332656

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 area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1807 FNL 2034 FEL  
SW/NE Section 13 T9S R16E

**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 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	_____	

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.)

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

12-7-05  
CHD

Accepted  
Utah Division  
Oil, Gas and  
Date: 12/5/05  
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  
12/02/2005

**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)

DEC 05 2005

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

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-64805**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**NA**

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME  
**NA**

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.  
**Federal 7-13-9-16**

2. NAME OF OPERATOR

**Newfield Exploration Company**

9. WELL NO.  
**43-013-32656**

3. ADDRESS AND TELEPHONE NO.

**1401 17th St. Suite 1000 Denver, CO 80202**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

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

At Surface **1807' FNL & 2034' FEL (SW/NE) Sec. 13, T9S, R16E**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 13, T9S, R16E**

At top prod. Interval reported below

At total depth

14. API NO. **43-013-32656** DATE ISSUED **8/19/04**

12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

15. DATE SPUDDED **9/26/05** 16. DATE T.D. REACHED **11/4/05** 17. DATE COMPL. (Ready to prod.) **12/1/05** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5490' GL 5502' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5880'** 21. PLUG BACK T.D., MD & TVD **5829'** 22. IF MULTIPLE COMPL. HOW MANY\* **----->** 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Green River 4043'-5711'** 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#	312'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5875'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5761'	TA @ 5626'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5&4) 5700'-5711', 5654'-5678'	.46"	4/140	5654'-5711'	Frac w/ 124,436# 20/40 sand in 875 bbls fluid
(CP1) 5408'-5415'	.46"	4/28	5408'-5415'	Frac w/ 19,462# 20/40 sand in 294 bbls fluid
(GB6) 4043'-4053'	.46"	4/40	4043'-4053'	Frac w/ 47,516# 20/40 sand in 457 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
12/1/05	2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	18	6	39	333

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold & Used for Fuel** TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS **DIV. OF OIL, GAS & MINING**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Mandie Crozier TITLE Regulatory Specialist DATE 1/6/2006

\*(See instructions and Spaces for Additional Data on Reverse Side)

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 Federal 7-13-9-16	Garden Gulch Mkr	3502'	
				Garden Gulch 1	3709'	
				Garden Gulch 2	3822'	
				Point 3 Mkr	4093'	
				X Mkr	4340'	
				Y-Mkr	4376'	
				Douglas Creek Mkr	4501'	
				BiCarbonate Mkr	4738'	
				B Limestone Mkr	4852'	
				Castle Peak	5339'	
				Basal Carbonate	5782'	
				Total Depth (LOGGERS)	5880'	

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.

**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 area code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1807 FNL 2034 FEL  
 SW/NE Section 13 T9S R16E

5. Lease Serial No.  
 UTU64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 7-13-9-16

9. API Well No.  
 4301332656

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	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 recompleat 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 recompleat 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 11/17/05 - 12/01/05

Subject well had completion procedures initiated in the Green River formation on 11-17-05 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5700'-5711'),(5654'-5678'); Stage #2 (5408'-5415'); Stage #3 (4043'-4053'). 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 11-29-2005. Bridge plugs were drilled out and well was cleaned to 5829'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12-01-2005.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Lana Nebeker	Title Production Clerk
Signature <i>Lana Nebeker</i>	Date 12/09/2005

**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

DEC 13 2005

<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-64805
		<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> FEDERAL 7-13-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013326560000
<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> 1807 FNL 2034 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

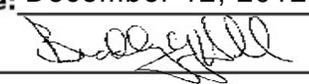
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/30/2012	<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 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 11/28/2012. On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

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

**Date:** December 12, 2012

**By:** 

<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> 12/6/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/30/12 Time 9:00  am  pm  
Test Conducted by: EVERETT ULRICH  
Others Present: \_\_\_\_\_

Well: <u>FEDERAL 7-13-9-16</u>	Field: <u>MONUMENT BUTTE</u>
Well Location: <u>SWNE Sec 13 T9S R16E Duchesne County, UT</u>	API No: <u>43-013-32656</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>11650</u>	psig
5	<u>11650</u>	psig
10	<u>11650</u>	psig
15	<u>11650</u>	psig
20	<u>11650</u>	psig
25	<u>11650</u>	psig
30 min	<u>11650</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:  **Pass**  **Fail**

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Everett Ulrich



## Daily Activity Report

Format For Sundry  
**FEDERAL 7-13-9-16**  
**9/1/2012 To 1/30/2013**

**11/27/2012 Day: 1**

**Conversion**

NABORS,#W1406 on 11/27/2012 - MOVE RIG TO FED. 7 -13 -9-16,FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL TBG. - CREW TRAVEL,MOVE RIG TO FED. 7 -13 -9-16,S/I T -SILL. S/I RIG. R/U. STRETCH GUY LINES. DERRICK INSPECTION,N/D UNIT. L/D HORSEHEAD. PULL PUMP OFF -SEAT. L/D POLISH ROD. L/D 3 RODS.FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL.RETRIEVE ROD STRING. POOH W/ 98 - 4 PER GUIDED RODS. 51 SLICK RODS. 69 - 4 PER GUIDED RODS. & 6 SINKER BARS, FLUSHING TWICE MORE 20 BBLS THEN 10.X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP (TEST), RD WORKFLOOR, NU TBG TONGS.POOH W/ 32 JNTS 2 7/8" J -55, BREAKING EACH COLLAR, CLEANING W/ GAS, DOPING W/ GREEN DOPE, SWIFN, SDFN - CREW TRAVEL,MOVE RIG TO FED. 7 -13 -9-16,S/I T -SILL. S/I RIG. R/U. STRETCH GUY LINES. DERRICK INSPECTION,N/D UNIT. L/D HORSEHEAD. PULL PUMP OFF -SEAT. L/D POLISH ROD. L/D 3 RODS.FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL.RETRIEVE ROD STRING. POOH W/ 98 - 4 PER GUIDED RODS. 51 SLICK RODS. 69 - 4 PER GUIDED RODS. & 6 SINKER BARS, FLUSHING TWICE MORE 20 BBLS THEN 10.X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP (TEST), RD WORKFLOOR, NU TBG TONGS.POOH W/ 32 JNTS 2 7/8" J -55, BREAKING EACH COLLAR, CLEANING W/ GAS, DOPING W/ GREEN DOPE, SWIFN, SDFN **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,571

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**11/28/2012 Day: 2**

**Conversion**

NABORS,#W1406 on 11/28/2012 - TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O -RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS - CREW TRAVEL, JSA, START EQUIPMENT,TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O -RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS,RIH W/ 2 3/8" COLLAR, XN NIPPLE, 4 FT PUP JNT, X -O, RETRIEVABLE PACKER, ON/OFF TOOL, 2 7/8" SN, 122 JNTS,FLUSH TBG 20 BBLS, DROP STANDING VALVE, PRESSURE UP TO 3,000 PSI FIRST TEST LOOSING 220 PSI, SECOND TEST LOOSING 35 PSI, THIRD TEST HOLDING FOR 30 MINUTES W/ NO LOSS,RU LUBRICATOR, RIH FISH STANDING VALVE, POOH, LD LUBRICATOR - CREW TRAVEL, JSA, START EQUIPMENT,TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O - RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS,RIH W/ 2 3/8" COLLAR, XN NIPPLE, 4 FT PUP JNT, X -O, RETRIEVABLE PACKER, ON/OFF TOOL, 2 7/8" SN, 122 JNTS,FLUSH TBG 20 BBLS, DROP STANDING VALVE, PRESSURE UP TO 3,000 PSI FIRST TEST LOOSING 220 PSI, SECOND TEST LOOSING 35 PSI, THIRD TEST HOLDING FOR 30 MINUTES W/ NO LOSS,RU LUBRICATOR, RIH FISH STANDING VALVE, POOH, LD LUBRICATOR **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$24,801

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**11/29/2012 Day: 3**

**Conversion**

NABORS,#W1406 on 11/29/2012 - SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36 - CREW TRAVEL, JSA, JSP, START EQUIPMENT, TBG 0PSI, CSG 0PSI, RD WORKFLOOR, ND BOP, RU WELLHEAD,CIRCULATE 75 BBLs PACKER FLUID DWN CSG,SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36,Rig / Equipment Down - CREW TRAVEL, JSA, JSP, START EQUIPMENT, TBG 0PSI, CSG 0PSI, RD WORKFLOOR, ND BOP, RU WELLHEAD,CIRCULATE 75 BBLs PACKER FLUID DWN CSG,SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36,Rig / Equipment Down

**Daily Cost:** \$0

**Cumulative Cost:** \$28,053

---

**12/3/2012 Day: 4**

**Conversion**

Rigless on 12/3/2012 - Conduct initial MIT - On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$116,887

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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.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 7-13-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1807 FNL 2034 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 13 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013326560000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013326560000	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/20/2012	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 1:00 PM on 12/20/2012.

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

**Date:** February 07, 2013

**By:**

<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> 1/3/2013	



January 24, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #7-13-9-16  
Monument Butte Field, Lease #UTU-64805  
Section 13-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #7-13-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", written over a long horizontal line.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**JAN 26 2012**  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #7-13-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-64805**  
**JANUARY 24, 2012**

**RECEIVED**  
**JAN 26 2012**  
**DIV. OF OIL, GAS & MINING**

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ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #7-13-9-16
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# Federal 7-13-9-16

Spud Date: 09-26-05  
 Put on Production: 12-01-05  
 GL: 5549' KB: 5561'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

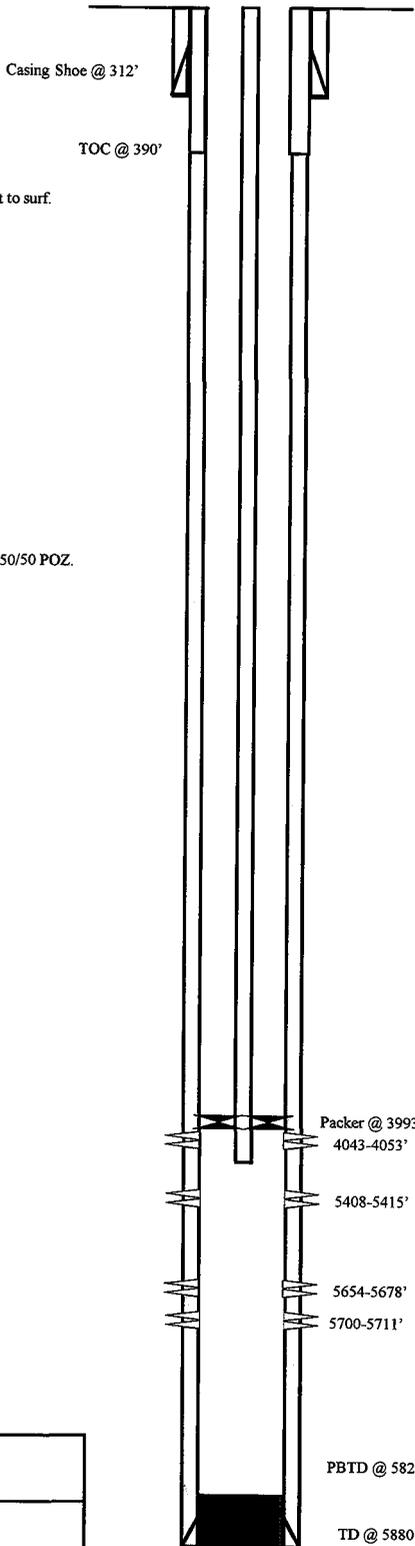
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.02')  
 DEPTH LANDED: 311.92' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5829.6')  
 DEPTH LANDED: 5875.35' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 390'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5614.3')  
 TUBING ANCHOR: 5614' KB  
 NO. OF JOINTS: 2 jts (65.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5682' KB  
 NO. OF JOINTS: 2 jts (65.2')  
 TOTAL STRING LENGTH: EOT @ 5749' w/ 12' KB



### FRAC JOB

11-22-05	5654-5711'	<b>Frac CP4, &amp; CP5 sands as follows:</b> 124436# 20/40 sand in 875 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5652 gal. Actual flush: 5313 gal.
11-23-05	5408-5415'	<b>Frac CP1, sands as follows:</b> 19462# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5406 gal. Actual flush: 3990 gal.
11-23-05	4043-4053'	<b>Frac GB6 sands as follows:</b> 47516# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1613 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4041 gal. Actual flush: 3948 gal.
8/15/08		Parted Rods. Rod & tubing updated.
09-16-11		Parted Rods. Rods & tubing updated.

### PERFORATION RECORD

11-17-05	5700-5711'	4 JSPF	44 holes
11-17-05	5654-5678'	4 JSPF	96 holes
11-22-05	5408-5415'	4 JSPF	28 holes
11-23-05	4043-4053'	4 JSPF	40 holes

**NEWFIELD**

**Federal 7-13-9-16**

1807' FNL & 2034' FEL

SW/NE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32656; Lease #UTU-64805

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #7-13-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #7-13-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3822' - 5829'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3500' and the TD is at 5880'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #7-13-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-64805) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 312' KB, and 5-1/2", 15.5# casing run from surface to 5875' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1874 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #7-13-9-16, for existing perforations (4043' - 5711') calculates at 0.90 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1874 psig. We may add additional perforations between 3500' and 5880'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #7-13-9-16, the proposed injection zone (3822' - 5829') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

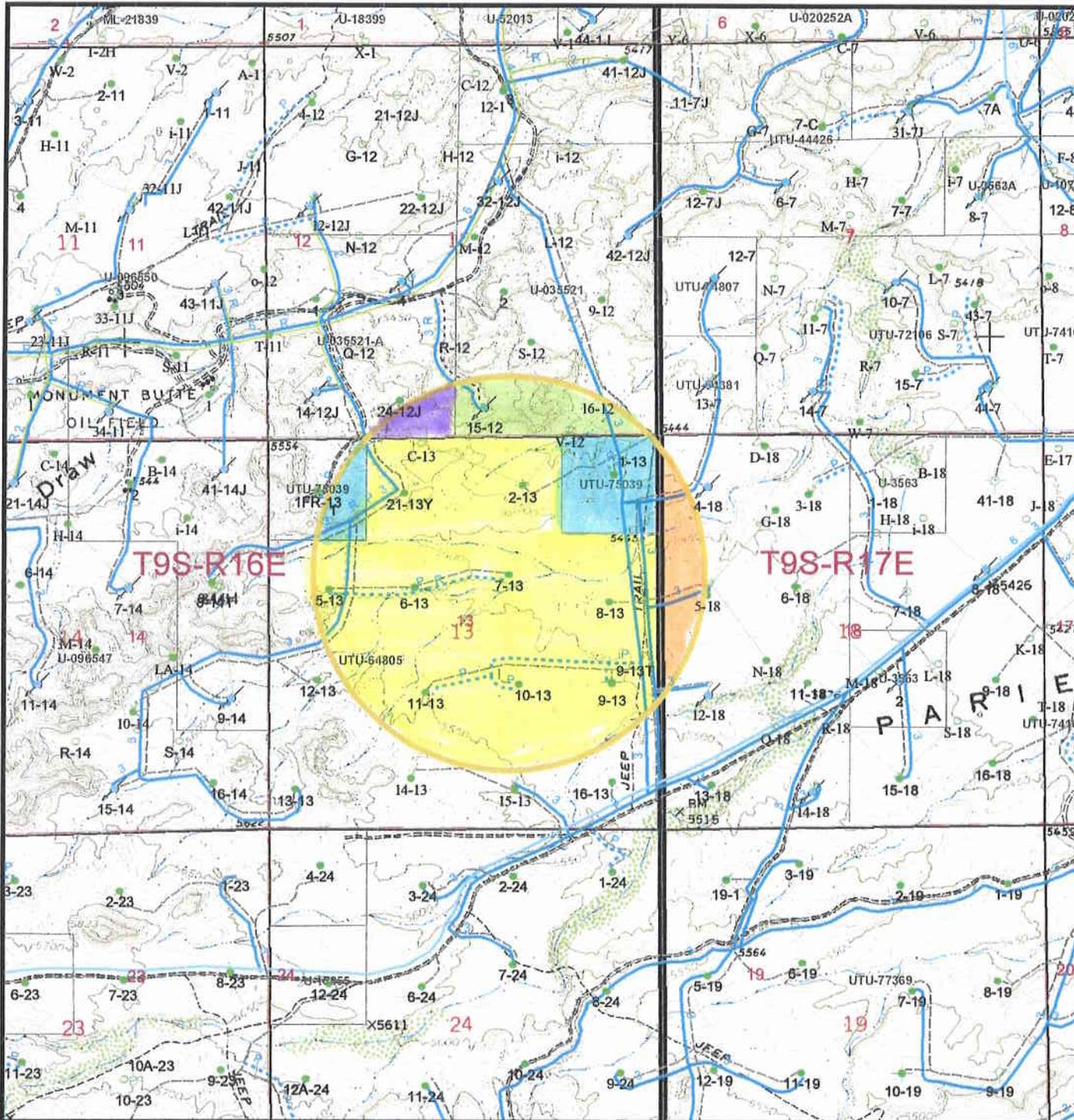
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



**WellStatus\_HalfMile\_Buffer**

**Well Status**

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

**Injection system**

- high pressure
- low pressure
- proposed
- return
- return proposed

**Leases**

- Leases

**Mining tracts**

- Mining tracts

UTU-  
64805

UTU-  
75039

UTU-  
035521

UTU-  
035521-A

UTU-  
72106

Federal 7-13  
Section 13, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS

1" = 2000'

**1/4 Mile Radius Map**

Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

Dec. 12, 2011



**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 13: NENE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation Myco Industries Inc Oxy Y-1 Company Yates Pretroleum Company	USA
2	T9S-R16E SLM Section 13: NENE, NWNW	USA UTU-75039 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation Myco Industries Inc Oxy Y-1 Company Yates Pretroleum Company	USA
3	T9S-R16E SLM Section 12: S2NE, SE	USA UTU-035521 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation Myco Industries Inc Oxy Y-1 Company Yates Pretroleum Company Field Carl B Montana & Wyoming Oil Co Vaughey & Vaughey Warne Bonnie B Warne John R	USA
4	T9S-R16E SLM Section 12: SW	USA UTU-035521-A HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation Myco Industries Inc Oxy Y-1 Company Yates Pretroleum Company	USA

Field Carl B  
Montana & Wyoming Oil Co  
Vaughey & Vaughey  
Warne Bonnie B  
Warne John R

5	T9S-R17E SLM Section 7: E2SW, SE Section 17: N2, W2SE Section 18: NENE, S2NE, E2W2, NESE, S2SE Section 18: Lots 1-4	USA UTU-72106 HBP	Newfield Production Company Newfield RMI LLC	USA
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ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #7-13-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: *E. Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 24<sup>th</sup> day of January, 2012.

Notary Public in and for the State of Colorado: *Candice L. Twitty*

My Commission Expires: 02/10/2013



## Federal 7-13-9-16

Spud Date: 09-26-05  
 Put on Production: 12-01-05  
 GL: 5549' KB: 5561'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.02')  
 DEPTH LANDED: 311.92' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5829.6')  
 DEPTH LANDED: 5875.35' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 390'

### TUBING

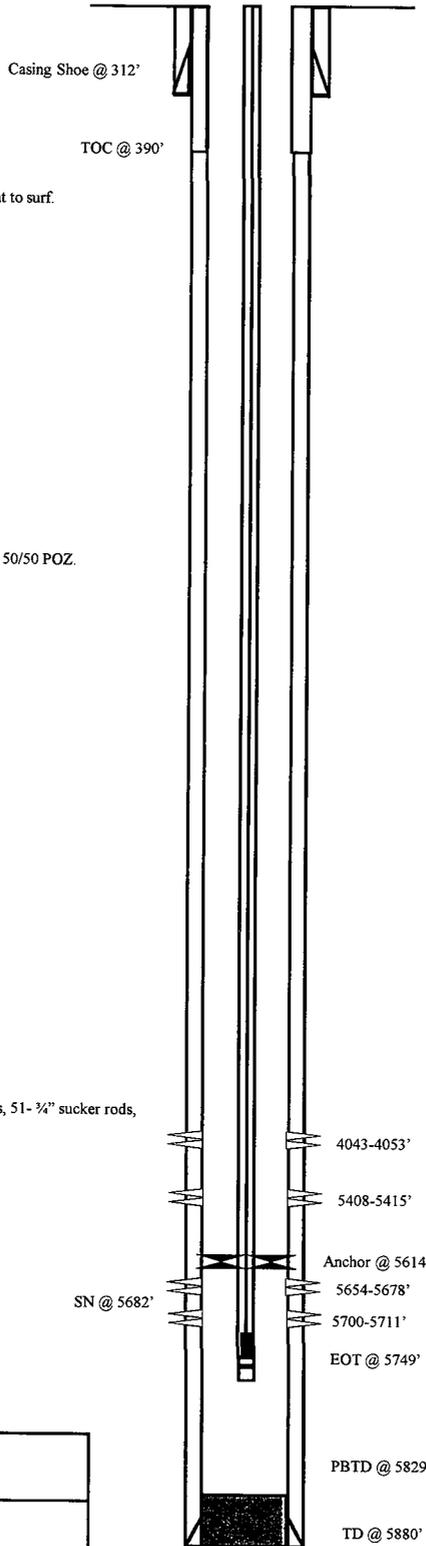
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5614.3')  
 TUBING ANCHOR: 5614' KB  
 NO. OF JOINTS: 2 jts (65.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5682' KB  
 NO. OF JOINTS: 2 jts (65.2')  
 TOTAL STRING LENGTH: EOT @ 5749' w/ 12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' X 3/4" pony rods, 98-3/4" guided rods, 51- 3/4" sucker rods,  
 69- 3/4" guided rods, 6-1 1/2" sinker bars.  
 PUMP SIZE: 2-1/2" x 1-1/4" x 16" RHAC  
 STROKE LENGTH: ?"  
 PUMP SPEED, SPM: ? SPM

### FRAC JOB

11-22-05	5654-5711'	<b>Frac CP4, &amp; CP5 sands as follows:</b> 124436# 20/40 sand in 875 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5652 gal. Actual flush: 5313 gal.
11-23-05	5408-5415'	<b>Frac CP1, sands as follows:</b> 19462# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5406 gal. Actual flush: 3990 gal.
11-23-05	4043-4053'	<b>Frac CB6 sands as follows:</b> 47516# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1613 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4041 gal. Actual flush: 3948 gal.
8/15/08		Parted Rods. Rod & tubing updated.
09-16-11		Parted Rods. Rods & tubing updated.



### PERFORATION RECORD

11-17-05	5700-5711'	4 JSPF	44 holes
11-17-05	5654-5678'	4 JSPF	96 holes
11-22-05	5408-5415'	4 JSPF	28 holes
11-23-05	4043-4053'	4 JSPF	40 holes

**NEWFIELD**

**Federal 7-13-9-16**

1807' FNL & 2034' FEL

SW/NE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32656; Lease #UTU-64805

## Federal 5-13-9-16

Spud Date:09/22/05  
 Put on Production: 11/08/05  
 GL: 5538' KB: 5550'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.7')  
 DEPTH LANDED: 312.6' 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: 135 jts. (5802.05')  
 DEPTH LANDED: 5801.3' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 100'

#### TUBING

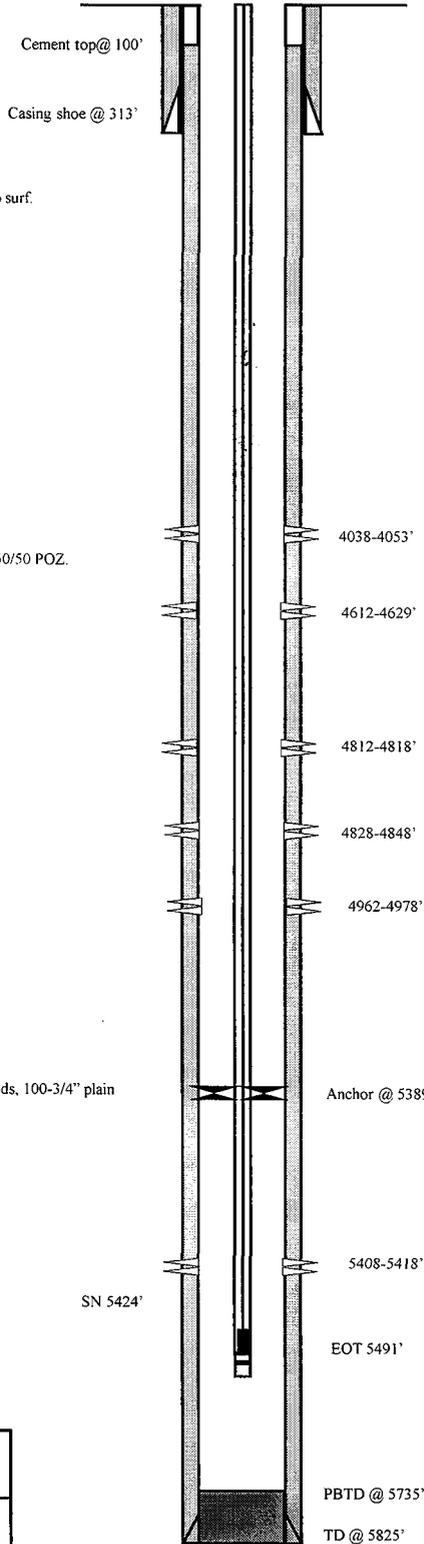
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 165jts (5377.30')  
 TUBING ANCHOR: 5389.30' KB  
 NO. OF JOINTS: 1 jts (32.56')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5424.66' KB  
 NO. OF JOINTS: 2 jts (65.13')  
 TOTAL STRING LENGTH: EOT @ 5491.34' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4' x 3/4" pony rod, 101-3/4" scraped rods, 100-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

#### FRAC JOB

11/01/05	5408-5418'	<b>Frac CP1 sands as follows:</b> 34070# 20/40 sand in 392 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc flush: 5406 gal. Actual flush: 5124 gal.
11/01/05	4962-4978'	<b>Frac A1 sands as follows:</b> 89150# 20/40 sand in 655 bbls Lightning 17 frac fluid. Treated @ avg press of 1591 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4960 gal. Actual flush: 4746 gal.
11/04/05	4812-4848'	<b>Frac B1, B2 sands as follows:</b> 158872# 20/40 sand in 1078 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4810 gal. Actual flush: 4582 gal.
11/02/05	4612-4629'	<b>Frac D2 sands as follows:</b> 29350# 20/40 sand in 344 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 24.8 BPM. ISIP 2000 psi. Calc flush: 4610 gal. Actual flush: 4326 gal.
11/02/05	4038-4053'	<b>Frac GB6 sands as follows:</b> 83194# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1388 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4036 gal. Actual flush: 3944 gal.
9/16/09		Pump Change. Updated rod & tubing details.



#### PERFORATION RECORD

11/01/05	5408-5418'	4 JSPF	40 holes
11/01/05	4962-4978'	4 JSPF	64 holes
11/01/05	4828-4848'	4 JSPF	80 holes
11/01/05	4812-4818'	4 JSPF	24 holes
11/02/05	4612-4629'	4 JSPF	68 holes
11/02/05	4038-4053'	4 JSPF	60 holes



**Federal 5-13-9-16**  
 1981' FNL & 820' FWL  
 SW/NW Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32658; Lease #UTU-64805

Sundry Number: 30645 API Well Number: 43013326570000

### Federal 6-13-9-16

Wellbore Diagram  
P & A

Spud Date 9/26/2005  
Put on Production:  
GL: 5514' KB: 5526'

**SURFACE CASING**

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (303.52')  
DEPTH LANDED 313.52'  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class 'G' cmt, circ. 5.5 bbls to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 132 jts (5815.38')  
DEPTH LANDED 5813.38'  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II & 450 sxs 50/50 POZ 9 bbls to surf  
CEMENT TOP AT No CIBP run

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS jts (')  
TUBING ANCHOR  
NO OF JOINTS 1 jts (')  
SEATING NIPPLE 2-7/8" (1 U)  
SN LANDED AT  
NO OF JOINTS jts (')  
TOTAL STRING LENGTH EOT @

**SUCKER RODS**

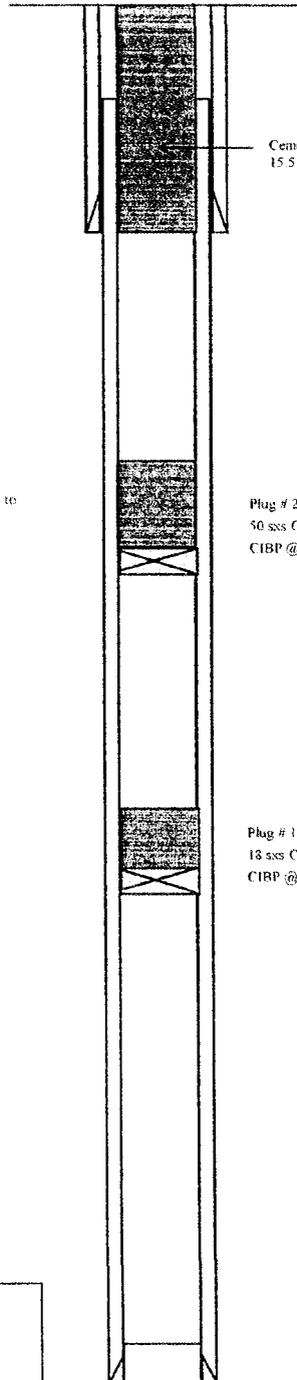
POLISHED ROD  
SUCKER RODS  
PUMP SIZE  
STROKE LENGTH  
PUMP SPEED, SPM

**FRAC JOB**

03-2006  
09/19/12

**Operations Suspended**

P&A - CIBP @ 3510' TOC @ 3355', CIBP @ 1400' TOC @ 1168, 15.5 sacks Class G cement down both casings to surface Stoney Arderton w/ BLM witnessed the P&A Weld plate, back fill hole, dig up deadten & cut off 3' below ground level South Slope Reclamation to do dirt work



Plug # 2 - Green River TOC @ 1168  
50 sxs Class G Cement plug on top of CIBP @ 1400'

Plug # 1 - Garden Gulch TOC @ 3355  
18 sxs Class G Cement plug on top of CIBP @ 3510'

**PERFORATION RECORD**

**NEWFIELD**

**Federal 6-13-9-16**  
1794 ENL & 1960' FWL (SE/NW)  
Section 13, T9S, R16E  
Duchesne Co. Utah  
API # 43-013-32657, Lease # UTU-64805

FD @ 5825

## Federal 11-13-9-16

Spud Date: 10/31/05  
 Put on Production: 12/14/05  
 GL: 5444' KB:5454'

Initial Production: BOPD 51,  
 MCFD 39, BWPD 28

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (296.83')  
 DEPTH LANDED: 306.83' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" mixed cmt. est 2 bbls cmt to surf.

### PRODUCTION CASING

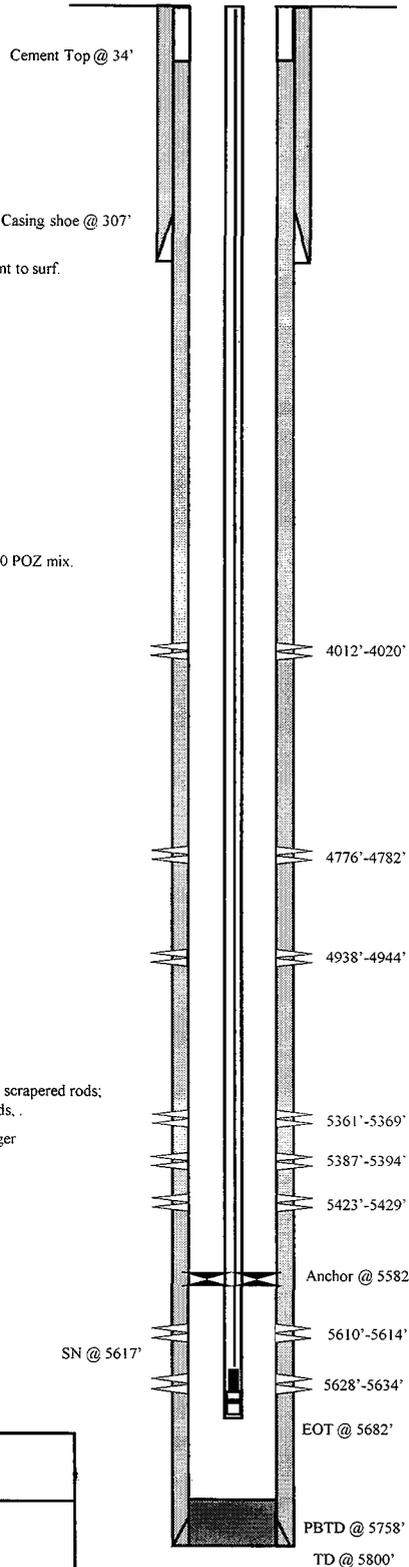
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5791.7')  
 DEPTH LANDED: 5789.7' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sx Prem. Lite II mixed & 450 sx 50/50 POZ mix.  
 CEMENT TOP AT: 34'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5571.73')  
 TUBING ANCHOR: 5581.73' KB  
 NO. OF JOINTS: 1 jt (32.55')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5617.08' KB  
 NO. OF JOINTS: 2 jts (63.62')  
 TOTAL STRING LENGTH: EOT @ 5682.25' w/ 10' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1-6", 1-4", 1-2" x 3/4" pony rods, 100-3/4" scraped rods;  
 99-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods, .  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC pump w/ SM Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM



### FRAC JOB

12/09/05 5610'-5634' **Frac CP4 sands as follows:**  
 40,198# 20/40 sand in 394 bbls lightning  
 Frac 17 fluid. Treated @ avg press of 1702 psi  
 w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc  
 flush: 5608 gal. Actual flush: 5007 gal.

12/09/05 5361'-5429' **Frac CP1 & CP2 sands as follows:**  
 95,683# 20/40 sand in 703 bbls lightning  
 Frac 17 fluid. Treated @ avg press of 1593 psi  
 w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc  
 flush: 5359 gal. Actual flush: 4775 gal.

12/10/05 4938'-4944' **Frac A1 sands as follows:**  
 20,953# 20/40 sand in 278 bbls lightning Frac  
 17 fluid. Treated @ avg press of 1972 psi  
 w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc  
 flush: 4936 gal. Actual flush: 4368 gal.

12/10/05 4776'-4782' **Frac B1 sands as follows:**  
 36,114# 20/40 sand in 380 bbls lightning Frac  
 17 fluid. Treated @ avg press of 2110psi  
 w/avg rate of 24.9 BPM. ISIP 1975 psi. Calc  
 flush: 4774 gal. Actual flush: 3822 gal.

12/10/05 4012'-4020' **Frac GB4 sands as follows:**  
 19,329# 20/40 sand in 268 bbls lightning Frac  
 17 fluid. Treated @ avg press of 1347psi  
 w/avg rate of 14.3 BPM. ISIP 1700 psi. Calc  
 flush: 4010 gal. Actual flush: 3927 gal.

06/28/07 Pump Change. Update rod and tubing details.

### PERFORATION RECORD

12/05/05	5628'-5634'	4 JSPF	24 holes
12/05/05	5610'-5614'	4 JSPF	16 holes
12/09/05	5423'-5429'	4 JSPF	24 holes
12/09/05	5387'-5394'	4 JSPF	28 holes
12/09/05	5361'-5369'	4 JSPF	32 holes
12/09/05	4938'-4944'	4 JSPF	24 holes
12/10/05	4776'-4782'	4 JSPF	24 holes
12/10/05	4012'-4020'	4 JSPF	32 holes

**NEWFIELD**

Federal 11-13-9-16  
 1855' FSL & 2103' FWL  
 NE/SW Section 13-T9S-R16E  
 Duchesne County, Utah  
 API #43-013-32652; Lease #UTU-64805

## Federal #21-13Y-9-16

Spud Date: 8/13/1993  
 Put on Production: 9/16/1993  
 GL: 5535' KB: 5545'

Initial Production: 84 BOPD,  
 126 MCFD, 7 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (275')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium Plus cement, est 6 bbls cmt to surf.

### PRODUCTION CASING

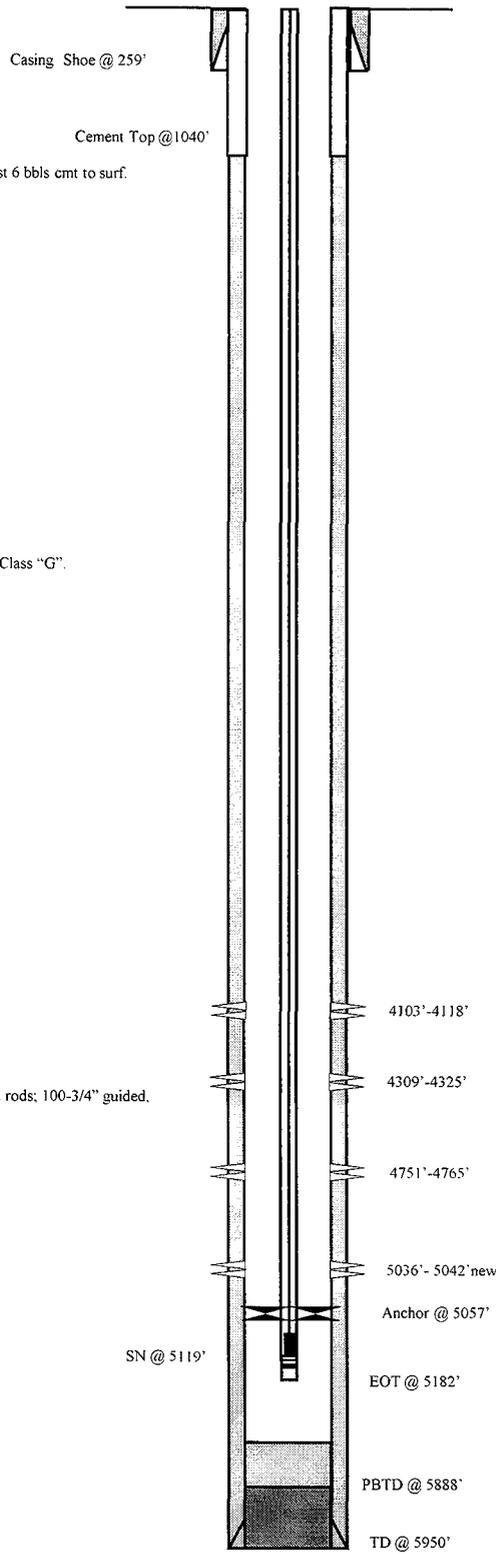
CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5945.72')  
 DEPTH LANDED: 5940.72'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 145 sxs Hillfr cement & 325 sxs Class "G".  
 CEMENT TOP AT: 1040' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 163 jts (5043.8')  
 TUBING ANCHOR: 5057'  
 NO. OF JOINTS: 2 jt (62.9')  
 SEATING NIPPLE: 5119.4'  
 NO. OF JOINTS: 2 jt (61.5')  
 TOTAL STRING LENGTH: EOT @ 5182' KB

### SUCKER RODS

POLISHED ROD: 1-1/4" x 26' SM  
 SUCKER RODS: 6-1 1/2" sinker bars; 98-3/4" guided rods; 100-3/4" guided.  
 1-2' x 7/8" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL



### FRAC JOB

8/28/93	4751'-4765'	<b>Frac as follows:</b> 20,140# 20/40 sand & 15,380# 16/30 sand in 371 bbls gelled KCL frac fluid. Treated @ avg press of 1900 psi w/avg rate of 20 BPM. ISIP 1850 psi.
9/1/93	4309'-4325'	<b>Frac as follows:</b> 33,600# 16/30 sand in 377 bbls gelled KCL frac fluid. Treated @ avg press of 2050 psi w/avg. rate of 24.5 BPM. ISIP 1800 psi.
2/14/01		Tubing job. Update Rod and tubing details.
11/17/05	4103'-4118'	<b>Frac GB6 sds as follows:</b> 55,211# 20/40 sand in 439 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1870 w/ ave rate of 25.2 bpm w/ 8 ppg of sand. ISIP was 2150. Actual flush: 4032 gals
08/29/08		Recompletion. Rod & Tubing detail updated.
9/3/08	5036-5042	<b>Frac A1 sds as follows:</b> 16,591# 20/40 sand in 238 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3442 psi @ ave rate of 13.1BPM. ISIP 1962 psi. Actual flush: 1218 gals.
07/25/10		Tubing Leak. Rod & Tubing detail updated.

### PERFORATION RECORD

8/26/93	4751'-4765'	2 JSPF	28 holes
8/31/93	4309'-4325'	2 JSPF	32 holes
11/17/05	4103'-4118'	40 JSPF	60 holes
9/3/08	5036-5042'	4 JSPF	24 holes new



**Federal #21-13Y-9-16**  
 702' FNL & 1830' FWL  
 NENW Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31400; Lease #UTU-64805

Federal 10-13-9-16

Spud Date: 10/26/05  
 Put on Production: 12/12/05  
 GL: 5519' KB:5529'

Initial Production: BOPD 52,  
 MCFD 25, BWPD 25

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.45')  
 DEPTH LANDED: 312.45' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

**PRODUCTION CASING**

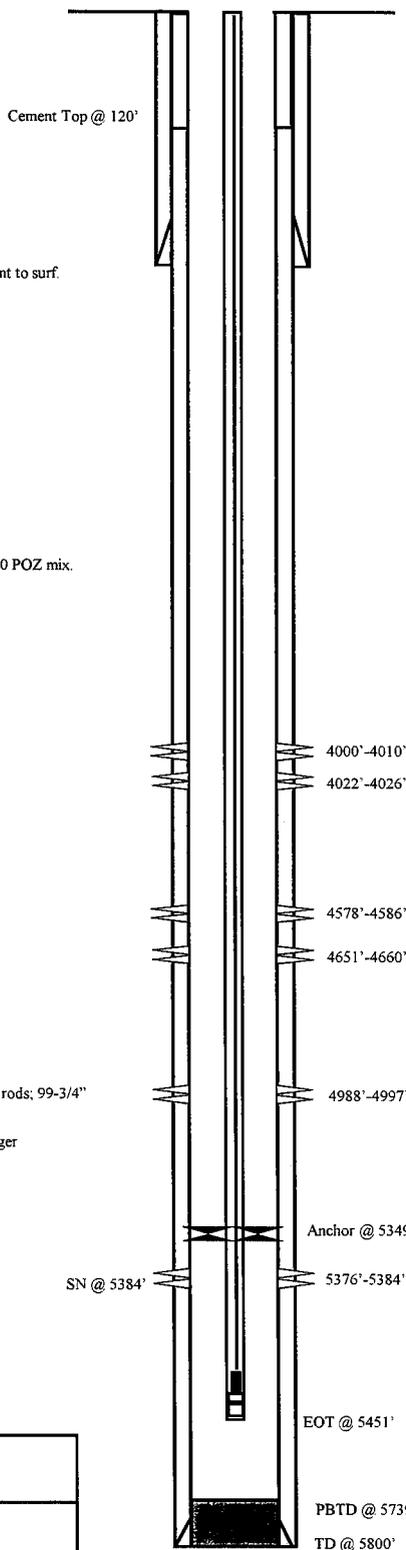
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5786.4')  
 DEPTH LANDED: 5784.4' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.  
 CEMENT TOP AT: 120'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5338.64')  
 TUBING ANCHOR: 5348.64' KB  
 NO. OF JOINTS: 1 jt (32.60')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5384.04' KB  
 NO. OF JOINTS: 2 jts (65.17')  
 TOTAL STRING LENGTH: EOT @ 5450.76' w/ 10' KB'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rods, 100-3/4" scraped rods; 99-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIG/GR/SP/CAL



**FRAC JOB**

12/06/05	5819'-5826'	<b>Frac CP1 sands as follows:</b> 29,922# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 2034 psi w/avg rate of 25 BPM. ISIP 2140 psi. Calc flush: 5817 gal. Actual flush: 5082 gal.
12/06/05	4988'-4997'	<b>Frac LODC sands as follows:</b> 30,233# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2069 psi w/avg rate of 25 BPM. ISIP 2320 psi. Calc flush: 4986 gal. Actual flush: 4725 gal.
12/06/05	4578'-4660'	<b>Frac D2 &amp; C sands as follows:</b> 75,870# 20/40 sand in 574 bbls lightning Frac 17 fluid. Treated @ avg press of 2092 psi w/avg rate of 25 BPM. ISIP 2080 psi. Calc flush: 4576 gal. Actual flush: 4326 gal.
12/06/05	4000'-4026'	<b>Frac GB6 sands as follows:</b> 51,023# 20/40 sand in 430 bbls lightning Frac 17 fluid. Treated @ avg press of 1681 psi w/avg rate of 25.1 BPM. ISIP 1720 psi. Calc flush: 3998 gal. Actual flush: 3906 gal.

**PERFORATION RECORD**

11/30/05	5376'-5384'	4 JSPF	32 holes
12/06/05	4988'-4997'	4 JSPF	36 holes
12/06/05	4651'-4660'	4 JSPF	36 holes
12/06/05	4578'-4586'	4 JSPF	32 holes
12/06/05	4022'-4026'	4 JSPF	16 holes
12/06/05	4000'-4010'	4 JSPF	40 holes

**NEWFIELD**

Federal 10-13-9-16

1971' FSL & 1917' FEL

NW/SE Section 13-T9S-R16E

Duchesne County, Utah

API #43-013-32653; Lease #UTU-64805

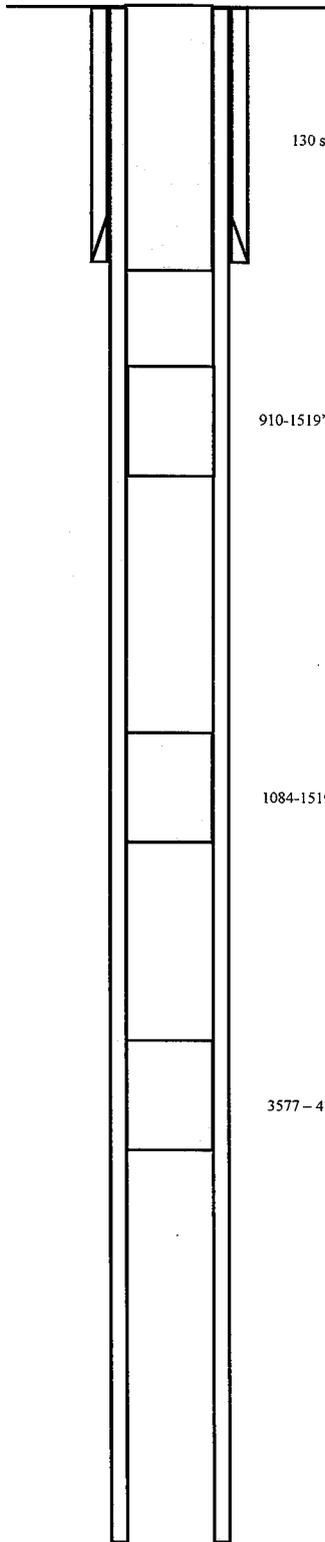
Spud Date: 8/31/05  
Plugged Date: 9/22/05

# Federal 9-13-9-16

## P & A Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (298.45')  
DEPTH LANDED: 310.30' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit



130 sks of class "G" cement to 379'

910-1519' W/211 sks of class "G" cement

1084-1519' W/184 sks class "G" cement

3577 - 4774' W/378 sks class "G" cement

### PLUGGING PROCEDURE

**NEWFIELD**



**Federal 9-13-9-16**  
1976' FSL & 660' FEL (NE/SE)  
Sec.13, T9S, R16E  
Duchesne Co, Utah  
API #43-013-32654; Lease #UTU-64805

Federal 8-13-9-16

Spud Date:09/02/05  
 Put on Production: 11/04/05  
 GL: 5479' KB: 5491'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.07')  
 DEPTH LANDED: 311.97' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4.6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5787.89')  
 DEPTH LANDED: 5801.4' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: 250'

TUBING

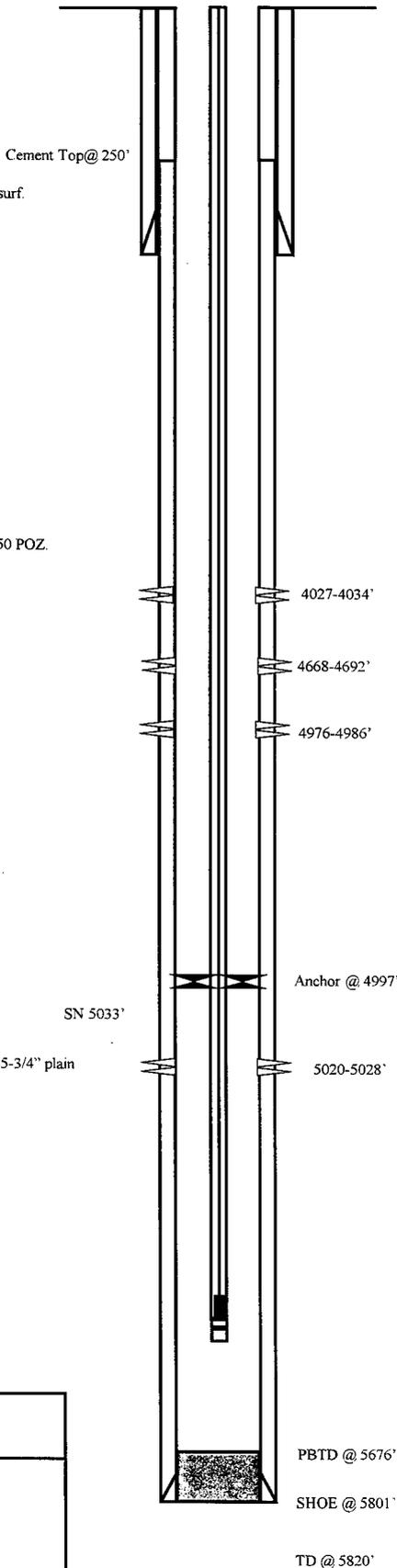
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4987.83')  
 TUBING ANCHOR: 4997.83' KB  
 NO. OF JOINTS: 1 jts (32.51')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5033.14' KB  
 NO. OF JOINTS: 2 jts (64.45')  
 TOTAL STRING LENGTH: EOT @ 5099.14' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4' x 3/4" pony rod, 99-3/4" scraped rods, 85-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

FRAC JOB

10/31/05 4976-5028' **Frac A1 and A3 sands as follows:**  
 97607# 20/40 sand in 904 bbls Lightning 17 frac fluid. Treated @ avg press of 1826 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc flush: 4974 gal. Actual flush: 4956 gal.  
 11/01/05 4668-4692' **Frac C sands as follows:**  
 28966# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 1530 psi w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4666 gal. Actual flush: 4662 gal.  
 11/01/05 4027-4034' **Frac GB6 sands as follows:**  
 32224# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 1698 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4025 gal. Actual flush: 3948 gal.



PERFORATION RECORD

10/31/05	5020-5028'	4 JSPF	32 holes
10/31/05	4976-4986'	4 JSPF	40 holes
11/01/05	4668-4692'	4 JSPF	96 holes
11/01/05	4027-4034'	4 JSPF	28 holes

**NEWFIELD**

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**Federal 8-13-9-16**  
 2187' FNL & 680' FEL  
 SE/NE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32655; Lease #UTU-64805

# Federal 2-13-9-16

Spud Date: 10-13-05  
 Put on Production: 11-30-05  
 GL: 5472' KB: 5484'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.06')  
 DEPTH LANDED: 312.91' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

Cement top @ 60'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5815.48')  
 DEPTH LANDED: 5828.73' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 60'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 155 jts (4930.08')  
 TUBING ANCHOR: 4940.08'  
 NO. OF JOINTS: 1 jts (31.54')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4974.42'  
 NO. OF JOINTS: 2 jts (62.53')  
 TOTAL STRING LENGTH: EOT @ 5038.50'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99- 3/4" scraped rods, 63- 3/4" plain rods, 30- 3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14 1/2" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### FRAC JOB

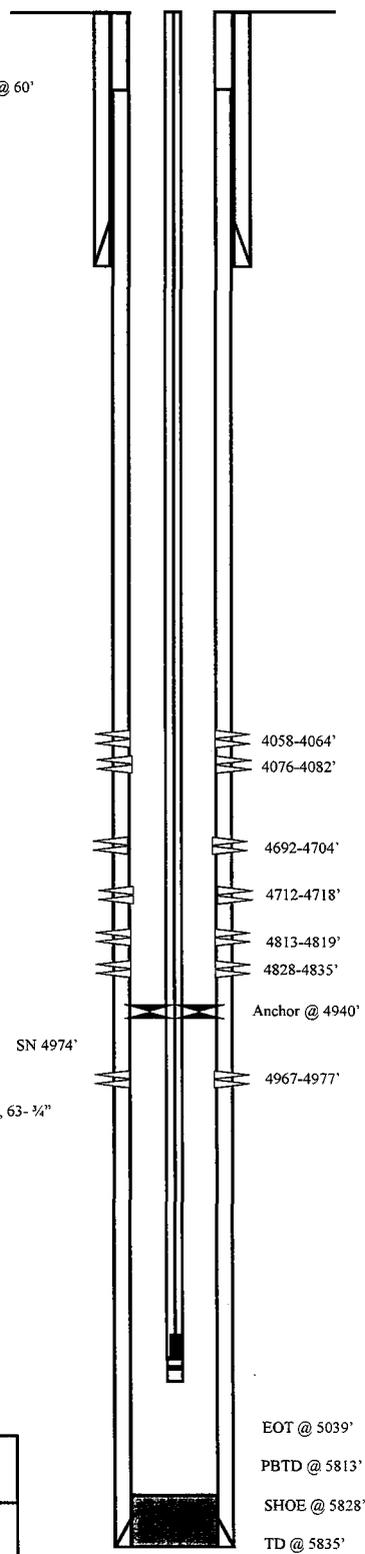
11-21-05 4967-4977' **Frac A1 sands as follows:**  
 24275# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4965 gal. Actual flush: 4691 gal.

11-21-05 4813-4835' **Frac B1 sands as follows:**  
 59177# 20/40 sand in 474 bbls Lightning 17 frac fluid. Treated @ avg press of 1679 psi w/avg rate of 24.7 BPM. ISIP 2250 psi. Calc flush: 4811 gal. Actual flush: 4599 gal.

11-22-05 4692-4718' **Frac C sands as follows:**  
 59763# 20/40 sand in 470 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4690 gal. Actual flush: 4032 gal.

11-22-05 4058-4082' **Frac GB6 sands as follows:**  
 31561# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 w/ avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4056 gal. Actual flush: 3948 gal.

11-30-07 Tubing Leak. Updated rod & tubing details.



### PERFORATION RECORD

Date	Interval	ISIP	Holes
11-14-05	4967-4977'	4 JSPF	40 holes
11-21-05	4828-4835'	4 JSPF	28 holes
11-21-05	4813-4819'	4 JSPF	24 holes
11-22-05	4712-4718'	4 JSPF	24 holes
11-22-05	4692-4704'	4 JSPF	48 holes
11-22-05	4076-4082'	4 JSPF	24 holes
11-22-05	4058-4064'	4 JSPF	24 holes

**NEWFIELD**

**Federal 2-13-9-16**

626' FNL & 1847' FEL

NW/NE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32659; Lease #UTU-64805

# Federal 1-13-9-16

Spud Date:08/08/05  
 Put on Production: 11/03/05  
 GL: 5459' KB: 5471'

## Injection Wellbore Diagram

### SURFACE CASING

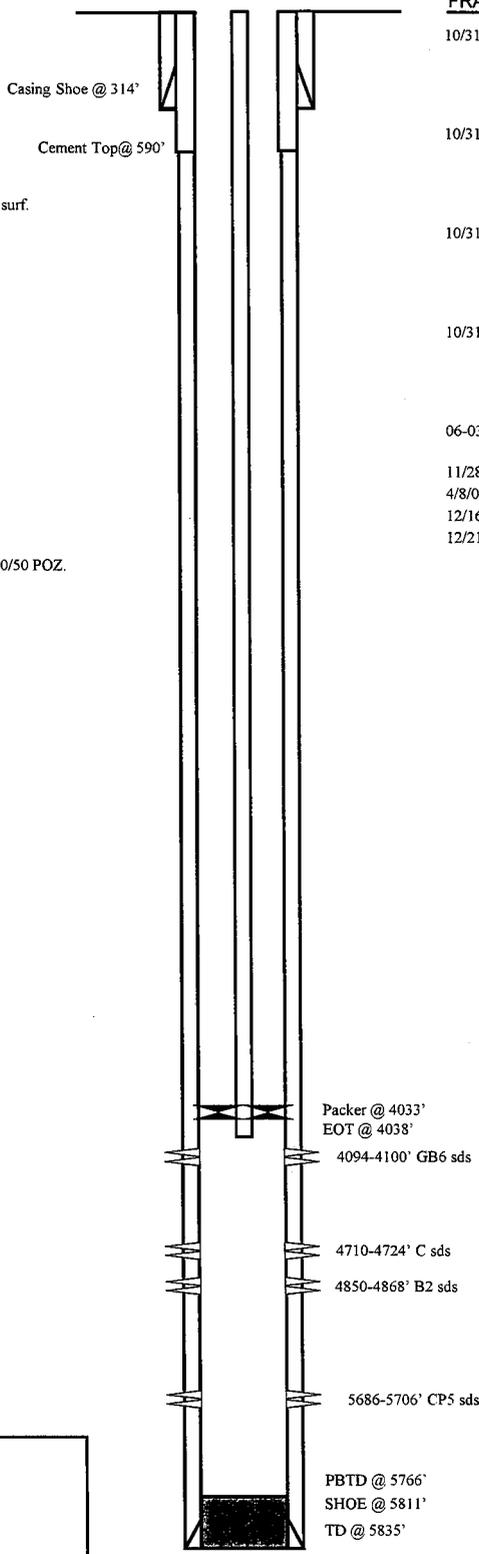
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.91')  
 DEPTH LANDED: 313.76' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5798.07')  
 DEPTH LANDED: 5811.32' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: 590'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4019.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4029.1' KB  
 CE @ 4033.43'  
 TOTAL STRING LENGTH: EOT @ 4038' KB



### FRAC JOB

10/31/05	5686-5706'	<b>Frac CP5 sands as follows:</b> 89079# 20/40 sand in 688 bbls Lightning 17 frac fluid. Treated @ avg press of 1303 psi w/avg rate of 24.8 BPM. ISIP 1900 psi. Calc flush: 5684 gal. Actual flush: 5431 gal.
10/31/05	4850-4868'	<b>Frac B2 sands as follows:</b> 69180# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1759 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 4848 gal. Actual flush: 4633 gal.
10/31/05	4710-4724'	<b>Frac C sands as follows:</b> 98861# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4708 gal. Actual flush: 4507 gal.
10/31/05	4094-4100'	<b>Frac GB6 sands as follows:</b> 33229# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1858 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4092 gal. Actual flush: 3935 gal.
06-03-06		<b>Pump Change:</b> Tubing & Rod Detail Updated
11/28/07		<b>Pump Change:</b> Updated tubing & rod detail
4/8/09		<b>Parted rods.</b> Updated r & t details.
12/16/11		<b>Convert to Injection well</b>
12/21/11		<b>Conversion MIT Finalized</b> - update tbg detail

### PERFORATION RECORD

10/24/05	5686-5706'	4 JSPF	80 holes
10/31/05	4850-4868'	4 JSPF	72 holes
10/31/05	4710-4724'	4 JSPF	56 holes
10/31/05	4094-4100'	4 JSPF	24 holes



**Federal 1-13-9-16**  
 487' FNL & 612' FEL  
 NE/NE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32660; Lease #UTU-75039

# Federal 9-13T-9-16

Spud Date: 11/9/05  
 Put on Production: 12/20/05  
 GL: 5502' KB: 5512'

Initial Production: -4 BOPD,  
 84 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (310.06')  
 DEPTH LANDED: 320.06' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 1 5 bbls cement to pit

**PRODUCTION CASING**

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 110 jts. (4775.93')  
 DEPTH LANDED: 4773.93' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 554'

**TUBING**

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4629.46')  
 TUBING ANCHOR: 4639.26' KB  
 NO. OF JOINTS: 1 jts (32.33')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4674.39' KB  
 NO. OF JOINTS: 1 jts (33.40')  
 "Collar sized" Gas Anchor (5.00')  
 NO. OF JOINTS: 3 jts (100.22')  
 TOTAL STRING LENGTH: 4709.34' w/ 10' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rods, 70-3/4" guided rods (all new), 110-3/4" Guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14' RHAC pump w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Open hole, SP/GR/DIG.CBL

**FRAC JOB**

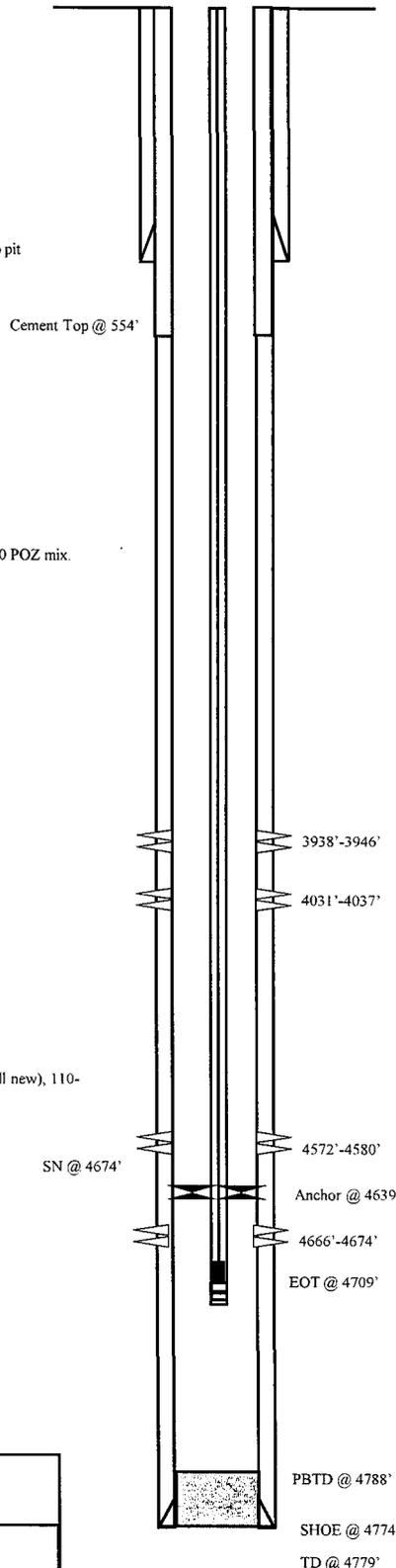
12/16/05 4666'-4674' **Frac C sands as follows:**  
 68,278#'s of 20/40 sand in 535 bbls lightning 17 frac fluid. Treated @ avg press of 1693, w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc flush: 4664 gal. Actual flush: 4200 gal.

12/16/05 4572'-4580' **Frac D2 sands as follows:**  
 79,385#'s of 20/40 sand in 586 bbls lightning 17 frac fluid. Treated @ avg press of 1800, w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc flush: 4570 gal. Actual flush: 4074 gal.

12/16/05 4031'-4037' **Frac GB6 sands as follows:**  
 18,981#'s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated @ avg press of 1950, w/avg rate of 24.7 bpm. ISIP 1800 psi. Calc flush: 4029 gal. Actual flush: 3586 gal.

12/16/05 3938'-3946' **Frac GB4 sands as follows:**  
 35,084#'s of 20/40 sand in 358 bbls lightning 17 frac fluid. Treated @ avg press of 1760, w/avg rate of 24.7 bpm. ISIP 2200 psi. Calc flush: 3936 gal. Actual flush: 3864 gal.

07-17-06 **Pump Change.** Rod & Tubing Detail Updated.



**PERFORATION RECORD**

12/16/05	3938'-3946'	4 JSPF	32 holes
12/16/05	4031'-4037'	4 JSPF	24 holes
12/16/05	4572'-4580'	4 JSPF	32 holes
12/15/05	4666'-4674'	4 JSPF	32 holes

**NEWFIELD**

Federal 9-13T-9-16  
 2001' FSL & 660' FEL  
 NE/SE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32954; Lease #UTU-64805

## Jonah Federal 15-12-9-16

Spud Date: 10-08-05  
 Put on Production: 11-11-05  
 GL: 5499' KB: 5511'

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (296.84')  
 DEPTH LANDED: 308.69' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

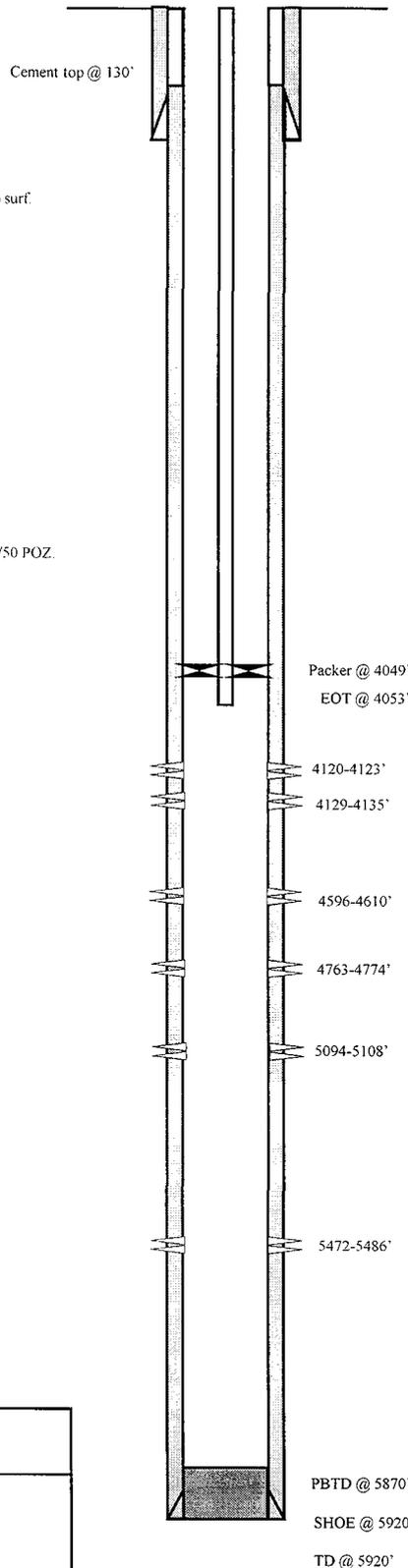
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5906.75')  
 DEPTH LANDED: 5920' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 130'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (4032.45')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4044.45' KB  
 TOTAL STRING LENGTH: EOT @ 4053.00' KB

### Injection Wellbore Diagram



### FRAC JOB

11-07-05 5472-5486' **Frac C P1, sands as follows:**  
 59446# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1739 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 5470 gal. Actual flush: 5048 gal.

11-07-05 5094-5108' **Frac A3, sands as follows:**  
 80231# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 1586 psi w/avg rate of 24.8 BPM. ISIP 1990 psi. Calc flush: 5092 gal. Actual flush: 4704 gal.

11-07-05 4763-4774' **Frac C sands as follows:**  
 29525# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1861 psi w/avg rate of 24.7 BPM. ISIP 2080 psi. Calc flush: 4761 gal. Actual flush: 4473 gal.

11-08-05 4596-4610' **Frac D1 sands as follows:**  
 80686# 20/40 sand in 590 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/ avg rate of 25 BPM. ISIP 2220 psi. Calc flush: 4594 gal. Actual flush: 3990 gal.

11-08-05 4120-4135' **Frac GB6 sands as follows:**  
 31631# 20/40 sand in 341 bbls Lightning 17 frac fluid. Treated @ avg press of 1738 w/ avg rate of 24.9 BPM. ISIP 2030 psi. Calc flush: 4118 gal. Actual flush: 4032 gal.

5/1/07 **Well converted to an Injection well. MIT completed and submitted.**

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
11-02-05	5472-5486'	4 JSPF	56 holes
11-07-05	5094-5108'	4 JSPF	56 holes
11-07-05	4763-4774'	4 JSPF	44 holes
11-08-05	4596-4610'	4 JSPF	56 holes
11-08-05	4129-4135'	4 JSPF	24 holes
11-08-05	4120-4123'	4 JSPF	12 holes



**Jonah Federal 15-12-9-16**

427' FSL & 2355' FEL

SW/SE Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-32627; Lease #UTU-35521

## West Point 5-18-9-16

Spud Date: 12-6-06  
 Put on Production: 2-22-07  
 GL: 6162' KB: 6114'

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.45')  
 DEPTH LANDED: 312.35' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

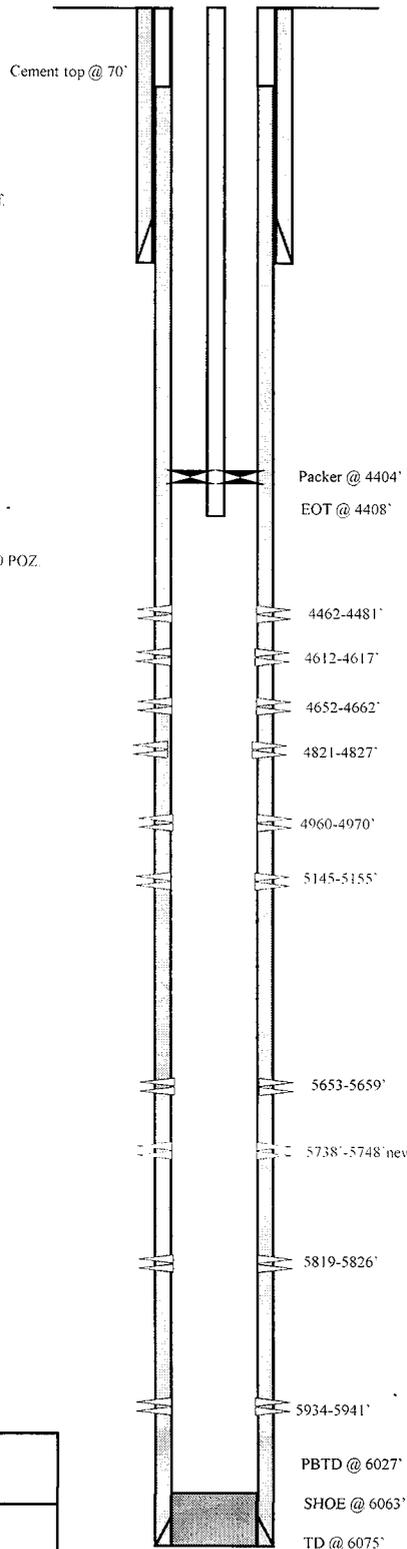
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts (6049.43')  
 DEPTH LANDED: 6062.68' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 70'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4387.65')  
 TUBING ANCHOR: 4404.05' KB  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4399.65' KB  
 TOTAL STRING LENGTH: EOT @ 4408.07' KB

### Injection Wellbore Diagram



### FRAC JOB

02-15-07	5934-5941'	<b>Frac CP5 sands as follows:</b> 19805# 20/40 sand in 314 bbls Lightning 17 frac fluid. Treated @ avg press of 2564 psi w/avg rate of 23.4 BPM. ISIP 2257 psi. Calc flush: 5932 gal. Actual flush: 5447 gal.
02-15-07	5653-5659'	<b>Frac CP1 sands as follows:</b> 25347# 20/40 sand in 349 bbls Lightning 17 frac fluid. Treated @ avg press of 2060 psi w/avg rate of 25.2 BPM. ISIP 1953 psi. Calc flush: 5651 gal. Actual flush: 5124 gal.
02-15-07	5145-5155'	<b>Frac A15 sands as follows:</b> 92086# 20/40 sand in 671 bbls Lightning 17 frac fluid. Treated @ avg press of 2010 psi w/avg rate of 21.3 BPM. ISIP 2009 psi. Calc flush: 5143 gal. Actual flush: 4641 gal.
02-16-07	4960-4970'	<b>Frac B.5 sands as follows:</b> 70364# 20/40 sand in 549 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 w/avg rate of 25 BPM. ISIP 2270 psi. Calc flush: 4958 gal. Actual flush: 4452 gal.
02-16-07	4821-4827'	<b>Frac D2 sands as follows:</b> 15106# 20/40 sand in 257 bbls Lightning 17 frac fluid. Treated @ avg press of 2662 w/avg rate of 24.6 BPM. ISIP 2660 psi. Calc flush: 4819 gal. Actual flush: 4397 gal.
02-16-07	4612-4662'	<b>Frac D1, &amp; D2 sands as follows:</b> 60551# 20/40 sand in 476 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 w/avg rate of 24.7 BPM. ISIP 2084 psi. Calc flush: 4610 gal. Actual flush: 4108 gal.
02-16-07	4462-4481'	<b>Frac PB10 sands as follows:</b> 90772# 20/40 sand in 678 bbls Lightning 17 frac fluid. Treated @ avg press of 2025 w/avg rate of 27.2 BPM. ISIP 2096 psi. Calc flush: 4460 gal. Actual flush: 4368 gal.
8-30-07	5819-5826'	<b>Recompletion</b> <b>Frac CP4 sands as follows:</b> 34086# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 3747 w/avg rate of 14.3BPM. ISIP 1946psi. Actual flush 1593

10/9/08  
 10/23/08

**Well converted to an Injection Well.  
 MIT completed and submitted.**

### PERFORATION RECORD

02-02-07	5934-5941'	4 JSPF	28 holes
02-15-07	5819-5826'	4 JSPF	28 holes
02-15-07	5653-5659'	4 JSPF	24 holes
02-15-07	5145-5155'	4 JSPF	40 holes
02-15-07	4960-4970'	4 JSPF	40 holes
02-16-07	4821-4827'	4 JSPF	24 holes
02-16-07	4652-4662'	4 JSPF	40 holes
02-16-07	4612-4617'	4 JSPF	20 holes
02-16-07	4462-4481'	4 JSPF	76 holes
8-29-07	5738-5748'	4 JSPF	28 holes



**West Point 5-18-9-16**

1973' FNL & 466' FWL

SW/NW Section 18-T9S-R16E

Duchesne Co, Utah

API # 43-013-32996; Lease # UTU-74390

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **BELUGA INJECTION**  
 Sample Point: **Comingled**  
 Sample Date: **1/16/2012**  
 Sample ID: **WA-205556**

Sales Rep: **Darren Betts**  
 Lab Tech: **John Keel**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	1/16/2012	Sodium (Na):	2975.08	Chloride (Cl):	3800.00
System Temperature 1 (°F):	300.00	Potassium (K):	10.00	Sulfate (SO4):	374.00
System Pressure 1 (psig):	1300.00	Magnesium (Mg):	12.50	Bicarbonate (HCO3):	1049.00
System Temperature 2 (°F):	70.00	Calcium (Ca):	28.00	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):		Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.00	Barium (Ba):	2.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.50	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	8252.18	Zinc (Zn):	0.40	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.20	Silica (SiO2):	
H2S in Water (mg/L):	55.00				

Notes:

P=2.8

(PTB = Pounds per Thousand Barrels)

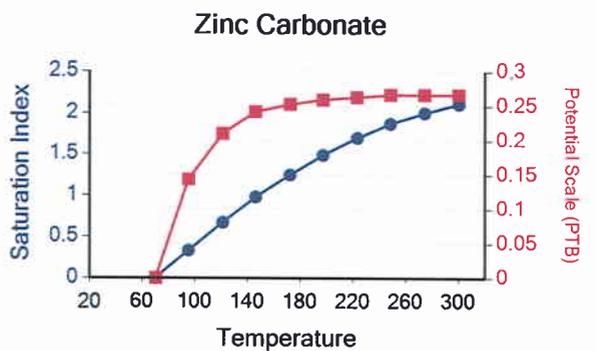
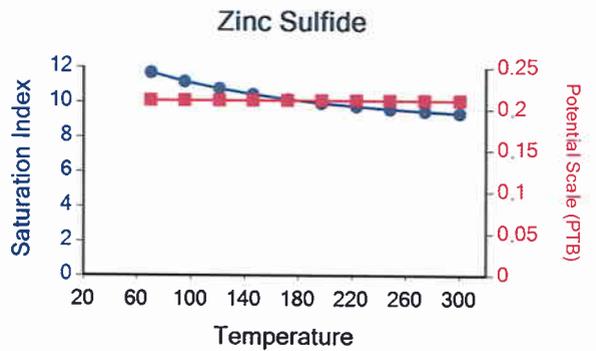
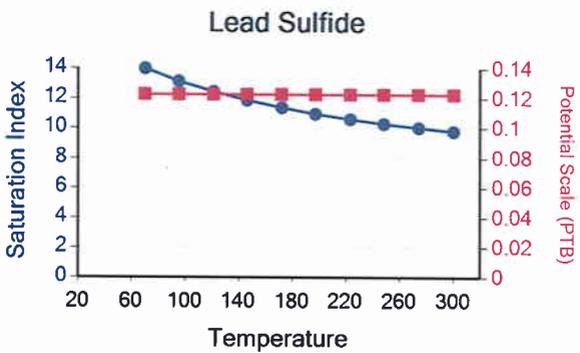
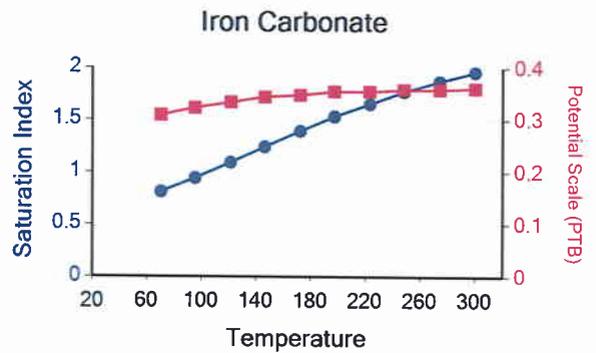
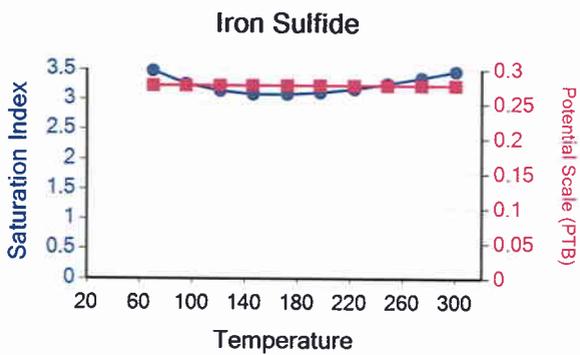
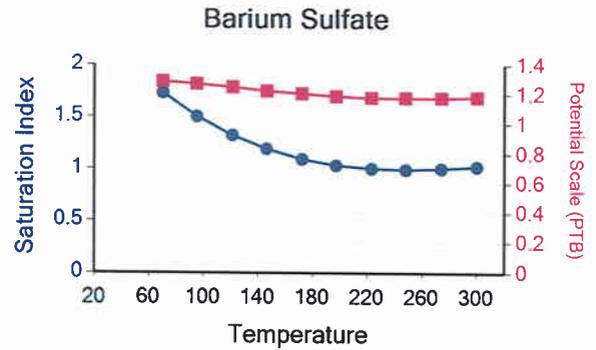
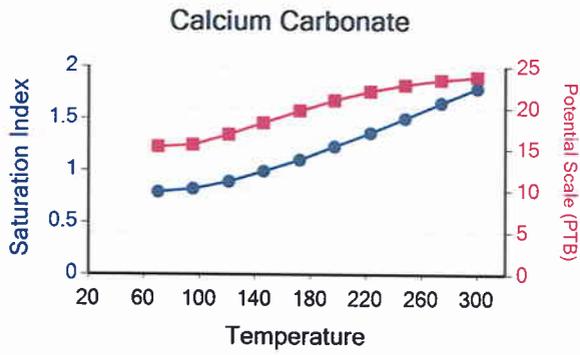
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.79	15.32	1.73	1.29	3.48	0.28	0.81	0.31	0.00	0.00	0.00	0.00	0.00	0.00	11.70	0.21
95	157	0.82	15.56	1.50	1.27	3.26	0.28	0.94	0.32	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.21
121	300	0.89	16.81	1.32	1.25	3.14	0.28	1.09	0.33	0.00	0.00	0.00	0.00	0.00	0.00	10.77	0.21
146	443	0.99	18.22	1.19	1.22	3.08	0.28	1.24	0.34	0.00	0.00	0.00	0.00	0.00	0.00	10.44	0.21
172	585	1.10	19.64	1.09	1.21	3.08	0.28	1.39	0.35	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.21
197	728	1.23	20.92	1.03	1.19	3.11	0.28	1.53	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.94	0.21
223	871	1.36	21.98	1.00	1.18	3.17	0.28	1.65	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.76	0.21
248	1014	1.50	22.79	0.99	1.18	3.26	0.28	1.77	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.21
274	1157	1.65	23.37	1.00	1.18	3.36	0.28	1.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.21
300	1300	1.79	23.76	1.02	1.18	3.47	0.28	1.96	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.21

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.98	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	157	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.14	13.13	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	300	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.21	12.45	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	443	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.24	11.87	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	585	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.25	11.38	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	728	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.26	10.96	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	871	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.26	10.61	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	1014	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.27	10.30	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	1157	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.27	10.04	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	1300	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.27	9.80	0.12	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

2 of 5

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide



Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

ATTACHMENT F  
3085

multi-chem®  
A HALLIBURTON SERVICE

4055

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **FEDERAL 7-13-9-16**  
 Sample Point: **Treater**  
 Sample Date: **12/21/2011**  
 Sample ID: **WA-204914**

Sales Rep: **Darren Betts**  
 Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/21/2011	Sodium (Na):	4288.32	Chloride (Cl):	6000.00
System Temperature 1 (°F):	300.00	Potassium (K):	0.00	Sulfate (SO4):	0.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	7.90	Bicarbonate (HCO3):	1268.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	24.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	4.50	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	38.60	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	11638.25	Zinc (Zn):	4.90	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.00	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.43	Silica (SiO2):	0.00
H2S in Water (mg/L):	0.50				

Notes:  
**P=1.28**

(PTB = Pounds per Thousand Barrels)

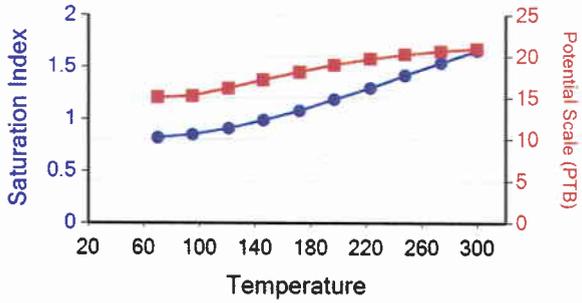
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.82	15.08	0.00	0.00	3.31	0.45	2.80	27.93	0.00	0.00	0.00	0.00	0.00	0.00	10.68	0.50
95	346	0.85	15.30	0.00	0.00	3.09	0.45	2.92	27.97	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.50
121	678	0.91	16.22	0.00	0.00	2.96	0.45	3.06	28.00	0.00	0.00	0.00	0.00	0.00	0.00	9.74	0.50
146	1009	0.99	17.20	0.00	0.00	2.90	0.45	3.19	28.02	0.00	0.00	0.00	0.00	0.00	0.00	9.40	0.50
172	1341	1.08	18.15	0.00	0.00	2.88	0.45	3.31	28.04	0.00	0.00	0.00	0.00	0.00	0.00	9.11	0.50
197	1673	1.19	18.99	0.00	0.00	2.90	0.45	3.42	28.05	0.00	0.00	0.00	0.00	0.00	0.00	8.88	0.50
223	2004	1.30	19.71	0.00	0.00	2.95	0.45	3.53	28.05	0.00	0.00	0.00	0.00	0.00	0.00	8.68	0.50
248	2336	1.42	20.27	0.00	0.00	3.02	0.45	3.62	28.06	0.00	0.00	0.00	0.00	0.00	0.00	8.52	0.50
274	2668	1.54	20.68	0.00	0.00	3.11	0.45	3.69	28.06	0.00	0.00	0.00	0.00	0.00	0.00	8.37	0.50
300	3000	1.66	20.98	0.00	0.00	3.21	0.45	3.74	28.06	0.00	0.00	0.00	0.00	0.00	0.00	8.24	0.50

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	1.11	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	1.46	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	1.79	3.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	2.09	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	2.34	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	2.57	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	2.76	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	2.91	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	3.03	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	3.12	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

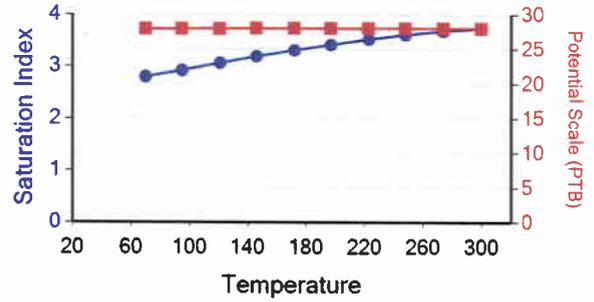
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

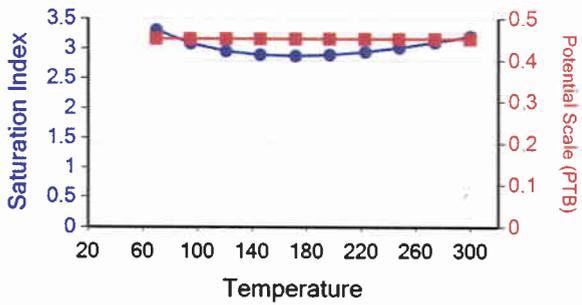
Calcium Carbonate



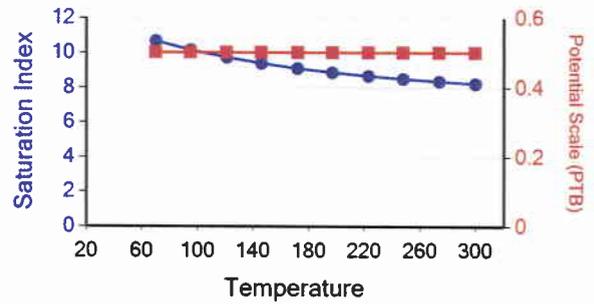
Iron Carbonate



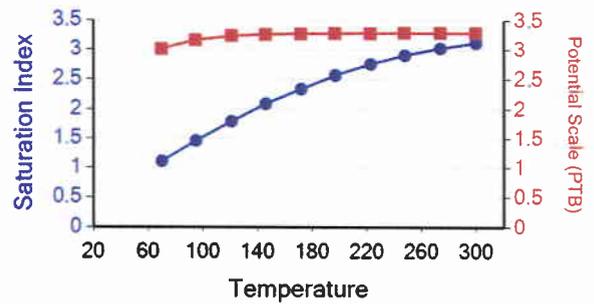
Iron Sulfide



Zinc Sulfide



Zinc Carbonate



**Attachment "G"**

**Federal #7-13-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5654	5711	5683	2000	0.79	1963
5408	5415	5412	1950	0.79	1915
4043	4053	4048	1900	0.90	1874 ←
				<b>Minimum</b>	<u>1874</u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 * 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 * \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 7-13-9-16 **Report Date:** 18-Nov-05 **Day:** 01  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8-5/8' @ 311' **Prod Csg:** 5-1/2" @ 5829' **Csg PBTD:** 5794'WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** \_\_\_\_\_

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
CP4 sds	5654- 5678'	4/96			
CP5 sds	5700- 5711'	4/44			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 17-Nov-05 **SITP:** \_\_\_\_\_ **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 390'. Perforate stage #1, CP5 sds @ 5700- 5711', CP4 sds @ 5654- 5678' w/ 4" Port guns (19 gram, .46"HE. 120 ) w. 4 spf for total of 140 shots. 139 bbls EWTR. SIFN.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 139 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 139 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Procedure or Equipment detail:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**COSTS**

Weatherford BOP	\$140
NPC NU crew	\$300
NDSI trucking	\$1,200
Perforators LLC	\$8,248
Drilling cost	\$258,901
Zubiate hot oil	\$385
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_

**Completion Supervisor:** Orson Barney

**DAILY COST:** \$275,474  
**TOTAL WELL COST:** \$275,474



2 of 7

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 7-13-9-16      **Report Date:** Nov. 23, 2005      **Day:** 02  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 311'      **Prod Csg:** 5-1/2" @ 5829'      **Csg PBTB:** 5794'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTB:** 5520'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>CP1 sds</u>	<u>5408-5415'</u>	<u>4/28</u>	_____	_____	_____
<u>CP4 sds</u>	<u>5654- 5678'</u>	<u>4/96</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5700- 5711'</u>	<u>4/44</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Nov. 22, 2005      **SITP:** \_\_\_\_\_      **SICP:** 0

NU BJ services "Ram head" frac flange. RU BJ & frac stage #1 (CP4 & CP5 sds) W/ 124,436# 20/40 sand in 875 bbls Lightning frac 17 fluid. Perfs broke down @ 2320 psi. Treated @ ave press of 1400 psi W/ ave rate of 24.7 BPM ISIP-2000 psi. Spotted 210 gals 15% HCL acid in flush to cover stage #2. Leave pressure on well. RU Black Warrior WLT, crane & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 1-4" ported perf gun. Set plug @ 5520'. Perf stage #2 W/ 4 JSPF as follows: CP1 sds @ 5408-15'. All 1 run. RU BJ to frac stage #2. Perfs won't breakdown (no leakoff). RU & RIH W/ 3 1/8" dumpbailer. Spot 8 gals 15% HCL across CP1 sds. RU BJ. Perfs still won't break down (no leakoff). SIFN & let acid soak. Est 1014 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 139      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 875      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1014      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** CP4 & CP5 sands  
9400 gals of pad  
6319 gals W/ 1-5 ppg of 20/40 sand  
12622 gals W/ 5-8 ppg of 20/40 sand  
2773 gals W/ 8 ppg of 20/40 sand  
Flush W/ 126 gals of slick water  
Flush W/ 210 gals of 15% HCL acid  
Flush W/ 5313 gals of slick water  
**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***  
**Max TP:** 2126      **Max Rate:** 25 BPM      **Total fluid pmpd:** 875 bbls  
**Avg TP:** 1400      **Avg Rate:** 24.7 BPM      **Total Prop pmpd:** 124,436#  
**ISIP:** 2000      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .79  
**Completion Supervisor:** Gary Dietz

### COSTS

<u>Weatherford BOP</u>	<u>\$140</u>
<u>Betts frac wtr</u>	<u>\$1,900</u>
<u>NPC fuel gas</u>	<u>\$250</u>
<u>BJ Services-CP4/CP5</u>	<u>\$32,740</u>
<u>Weatherford tools/serv</u>	<u>\$3,375</u>
<u>BWWL - CP1</u>	<u>\$5,500</u>
<u>NPC supervision</u>	<u>\$300</u>
_____	_____
_____	_____
_____	_____
<b>DAILY COST:</b>	<u>\$44,205</u>
<b>TOTAL WELL COST:</b>	<u>\$319,679</u>



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 7-13-9-16      **Report Date:** Nov. 24, 2005      **Day:** 03  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 311'      **Prod Csg:** 5-1/2" @ 5829'      **Csg PBTD:** 5794'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 5520'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP1 sds	5408-5415'	4/28			
CP4 sds	5654- 5678'	4/96			
CP5 sds	5700- 5711'	4/44			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Nov. 23, 2005      **SITP:** \_\_\_\_\_      **SICP:** 3890

**Day 3(a):**

RU BJ Services & pump against CP1 sds--still won't breakdown. RU BWWL & run 3 1/8" dumpbailer. Spot 2nd batch of 15% HCL acid across perfs. RU BJ. Breakdown perfs @ 3840 psi. Frac stage #2 (CP1 sds) W/ 19,462# 20/40 sand in 294 bbls Lightning frac 17 fluid. Treated @ ave press of 1730 psi W/ ave rate of 24.7 BPM. ISIP-1950 psi Spotted 210 gals 15% HCL acid in flush to cover stage #3. Leave pressure on well. Est 1308 BWTR.  
**See day 3(b)**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1014      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 294      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1308      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:**      CP1 sands  
462 gals to X-link  
2000 gals of pad  
1511 gals W/ 1-4 ppg of 20/40 sand  
2991 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 1176 gals of slick water  
Flush W/ 210 gals of 15% HCL acid  
Flush W/ 3990 gals of slick water

### COSTS

Weatherford BOP	\$140
Betts frac wtr	\$640
NPC fuel gas	\$150
BJ Services-CP1	\$8,361
Weatherford service	\$975
BWWL - CP1 (acid)	\$1,500
NPC supervision	\$150

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 2246      **Max Rate:** 24.9 BPM      **Total fluid pmpd:** 294 bbls  
**Avg TP:** 1730      **Avg Rate:** 24.7 BPM      **Total Prop pmpd:** 19,462#  
**ISIP:** 1950      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .79

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$11,916  
**TOTAL WELL COST:** \$331,595





DAILY COMPLETION REPORT

WELL NAME: Federal 7-13-9-16 Report Date: Nov. 30, 2005 Day: 04  
 Operation: Completion Rig: NC #3

WELL STATUS

Surf Csg: 8-5/8' @ 311' Prod Csg: 5-1/2" @ 5829' Csg PBTD: 5794'WL  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 2385' BP/Sand PBTD: 5685'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4043-4053'	4/40			
CP1 sds	5408-5415'	4/28			
CP4 sds	5654- 5678'	4/96			
CP5 sds	5700- 5711'	4/44			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Nov. 29, 2005 SITP: \_\_\_\_\_ SICP: 50

MIRU NC #3. Thaw wellhead & BOP W/ HO trk. Bleed pressure off well. Rec est 10 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4145'. Tbg displaced 10 BW on TIH RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4145' plug @ 4150' in 32 minutes; sd @ 5425', plug @ 5520' in 29 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5685'. PU swivel. Found tbg plugged--unable to clear. RD swivel. TOH W/ tbg to 2385'. SIFN W/ est 1511 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1531 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 20 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1511 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Procedure or Equipment detail:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COSTS

NC #3 rig	\$4,526
Weatherford BOP(X2)	\$280
Four Star swivel	\$750
NDSI trucking	\$1,200
NDSI wtr & truck	\$400
NPC trucking	\$300
Unichem chemicals	\$300
NPC sfc equipment	\$130,000
R & T labor/welding	\$19,500
Mt. West sanitation	\$550
Monks pit reclaim	\$1,800
RNI wtr disposal	\$3,000
NPC supervision	\$300
<b>DAILY COST:</b>	<b>\$162,906</b>
<b>TOTAL WELL COST:</b>	<b>\$521,852</b>

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
 Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
 ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_  
 Completion Supervisor: Gary Dietz



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 7-13-9-16      **Report Date:** Dec. 1, 2005      **Day:** 05  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 311'      **Prod Csg:** 5-1/2" @ 5829'      **Csg PBTD:** 5829'  
**Tbg:** **Size:** 2 7/8      **Wt:** 6.5#      **Grd:** J-55      **Pkr/EOT @:** 5754'      **BP/Sand PBTD:** 5829'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4043-4053'	4/40			
CP1 sds	5408-5415'	4/28			
CP4 sds	5654- 5678'	4/96			
CP5 sds	5700- 5711'	4/44			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Nov. 30, 2005      **SITP:** 0      **SICP:** 0

Thaw wellhead, BOP & tbg stump W/ HO trk. Con't TOH W/ tbg f/ 2385'. Unplug bit (packed W/ rubber chunks). Rec 33 BW on TOH. TIH W/ Chomp bit & tbg. Tag fill @ 5685'. RU power swivel. Drill plug remains & sd to PBTD @ 5829'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5734'. RU swab equipment. IFL @ sfc. Made 11 swt runs rec 104 BTF W/ light gas, tr oil & no sand. FFL @ 1900'. TIH W/ tbg. Tag PBTD @ 5829' (no new fill). Circ hole W/ clean wtr. Lost 50 BW & rec 5 BO. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg to n5754'. SIFN W/ es 1424 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1511      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 87      **Oil lost/recovered today:** 5  
**Ending fluid to be recovered:** 1424      **Cum oil recovered:** 5  
**IFL:** sfc      **FFL:** 1900'      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** tr

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_      **Job Type:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Procedure or Equipment detail:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

NC #3 rig	\$4,361
Weatherford BOP	\$140
Four Star swivel	\$750
Zubiate HO trk	\$200
NPC location cleanup	\$300
CDI TA	\$525
CDI SN	\$80
NPC supervision	\$300

**Max TP:** \_\_\_\_\_      **Max Rate:** \_\_\_\_\_      **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_      **Avg Rate:** \_\_\_\_\_      **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$6,656  
**TOTAL WELL COST:** \$528,508



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3993'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 186' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 362'
6. Plug #4 Circulate 104 sx Class "G" cement down 5 1/2" and up the 5 1/2" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## Federal 7-13-9-16

Spud Date: 09-26-05  
 Put on Production: 12-01-05  
 GL: 5549' KB: 5561'

Initial Production: BOPD,  
 MCFD, BWPD

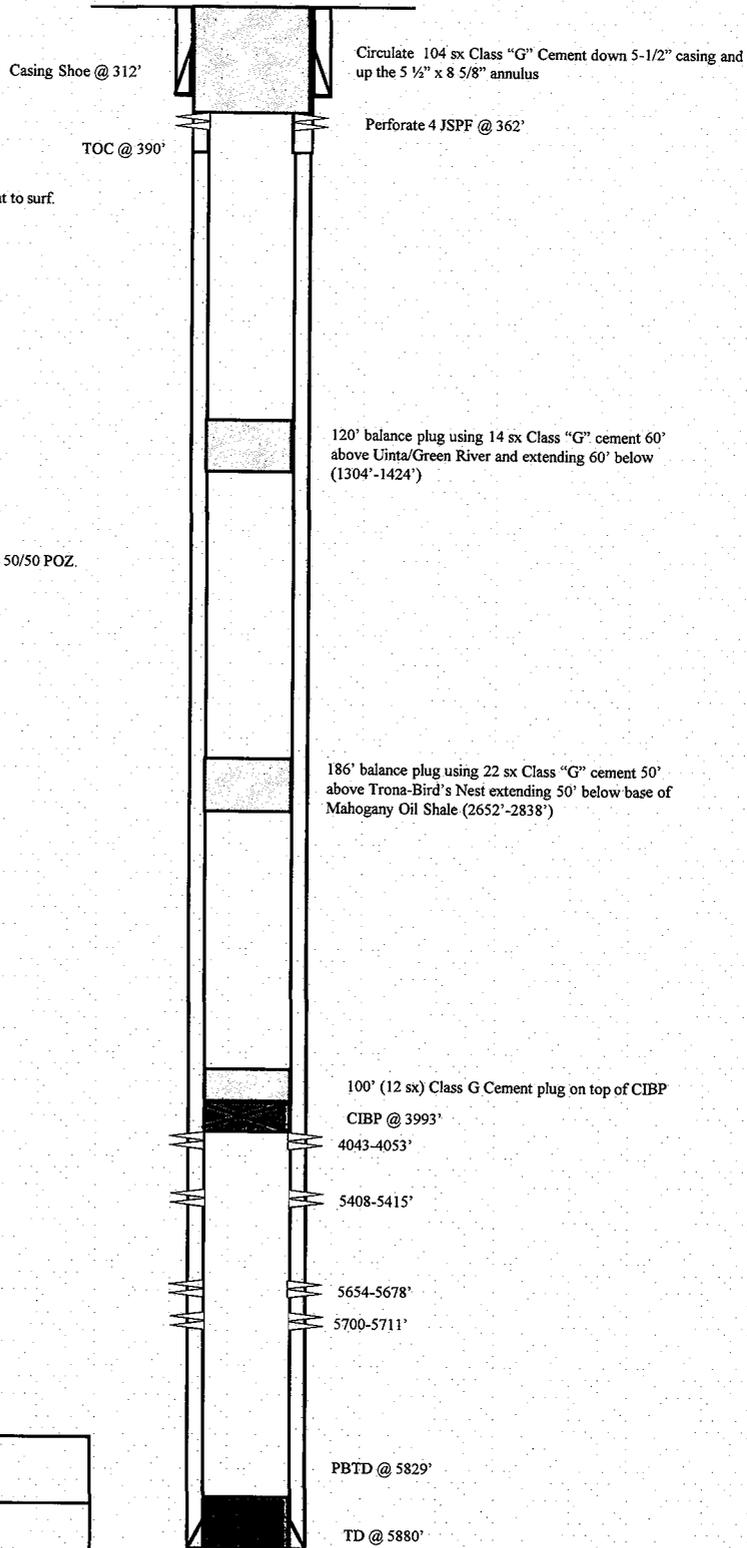
### Proposed P&A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.02')  
 DEPTH LANDED: 311.92' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5829.6')  
 DEPTH LANDED: 5875.35' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 390'




<p><b>Federal 7-13-9-16</b>                  1807' FNL &amp; 2034' FEL                  SW/NE Section 13-T9S-R16E                  Duchesne Co, Utah                  API #43-013-32656; Lease #UTU-64805</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone    (include are code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 1807 FNL 2034 FEL  
 SWNE Section 13 T9S R16E

5. Lease Serial No.  
 UTU-64805

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 7-13-9-16

9. API Well No.  
 4301332656

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

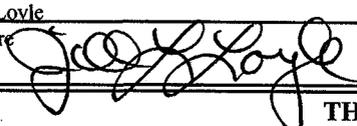
11. County or Parish, State  
 DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE 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	<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 checked="" 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.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

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

Title  
 Regulatory Technician

Date  
 01/24/2012

**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)

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIA One

Deseret News

PROOF OF PUBLICATION

FEB 10 2012

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	2/7/2012

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000765843 /
SCHEDULE	
Start 02/06/2012	End 02/06/2012
CUST. REF. NO.	
20120202	
CAPTION	
PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
52 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
179.72	

**PUBLIC NOTICE**  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
**NOTICE OF AGENCY ACTION**  
**CAUSE NO. UIC-386**  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13 AND 17, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.  
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.  
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:  
Greater Monument Butte Unit:  
Federal 7-13-9-16 well located in SW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32656  
Federal 13-17-9-16 well located in SW/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33036  
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.  
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.  
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.  
Dated this 2nd day of February, 2012.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
765843

UPAXIP

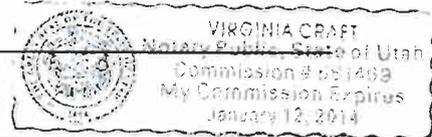
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-386 IN THE MATTER FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 02/06/2012 End 02/06/2012

SIGNATURE

*[Handwritten Signature]*



*[Handwritten Signature: Virginia Craft]*

2/7/2012

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

22501REB/GC/ADMIN/GF-12/6131

# AFFIDAVIT OF PUBLICATION

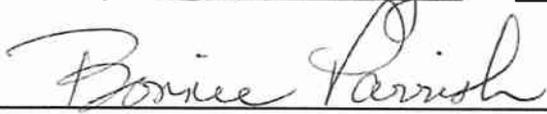
County of Duchesne,  
STATE OF UTAH

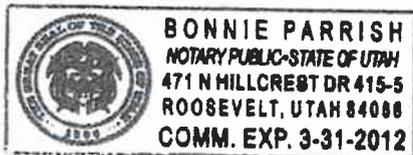
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 7 day of February, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of February, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this

13 day of February, 2012

  
\_\_\_\_\_  
Notary Public



**NOTICE OF AGENCY ACTION CAUSE NO. UIC-386**  
BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE

OF UTAH.  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13 AND 17, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.  
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.  
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company and had a meeting and had a meeting at the Region Union High School.  
By Aldon Rachele  
Uintah Basin Standard  
pocke  
Union  
of a missed basket  
Altamont's Dylan Li

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-386

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13 AND 17, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 7-13-9-16 well located in SW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32656

Federal 13-17-9-16 well located in SW/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33036

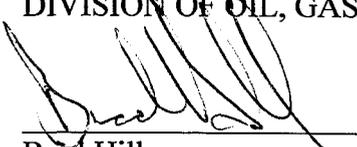
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of February, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 7-13-9-16, FEDERAL 13-17-9-16**

**Cause No. UIC-386**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

  
\_\_\_\_\_

**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 2/2/2012 1:48 PM  
**Subject:** Legal Notice - 20120202  
**Attachments:** OrderConf.pdf

AD# 765843  
Run Trib/DNews - 2/6  
Cost \$179.72  
Thank you  
Mark

### Order Confirmation for Ad #0000765843-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	<del>XXXXXXXXXX</del>	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EEmail</b>	earlenerussell@utah.gov	Jean	mfulz

**Ad Content Proof Actual Size**

PUBLIC NOTICE  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-386  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13 AND 17, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.  
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Federal 7-13-9-16 well located in SW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32656  
Federal 13-17-9-16 well located in SW/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33036  
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Dated this 2nd day of February, 2012.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager  
765843

<b>Total Amount</b>	<del>XXXXXXXXXX</del>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
<b>Payment Amt</b>	<b>\$0.00</b>	0	0	1
<b>Amount Due</b>	<del>XXXXXXXXXX</del>			
<b>Payment Method</b>		<b>PO Number</b>	20120202	

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 52 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	02/06/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	02/06/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	02/06/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	02/06/2012	



GARY R. HERBERT  
Governor

GREGORY S. BELL  
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

February 2, 2012

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-386

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-386**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 2/2/2012 2:51 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-386

---

On 2/2/2012 1:26 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Hi! It will be published February 7, 2012.  
Cindy



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*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*

February 2, 2012

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-386

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





GARY R. HERBERT  
Governor

GREGORY S. BELL  
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

February 23, 2012

**Amended November 5, 2012**

Corrected API # November 13, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 7-13-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah API Well #43-013-32656

Ladies and Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. As a condition of raising the top of the injection interval, it is stipulated that in the Federal 21-13Y (43-013-31400) well, the pressure shall be monitored between the surface casing and the production casing on a regular basis. Any observed pressure changes shall be reported to the Division immediately.
6. The top of the injection interval shall be limited to a depth no higher than ~~4,606 feet~~ **amended to 3,822 feet** in the Federal 7-13-9-16 well.



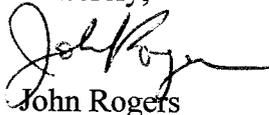
November 13, 2012

Corrected Amended Approval to Convert – Federal 7-13-9-16

Page 2

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801.538.5333 or Brad Hill at 801.538.5315.

Sincerely,



John Rogers

Associate Director

JR/MLR/js

cc: Bruce Suchomel, EPA  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\Chron File\UIC



GARY R. HERBERT  
Governor

GREGORY S. BELL  
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

February 23, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 7-13-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32656

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 4,606 feet in the Federal 7-13-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801  
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • [www.ogm.utah.gov](http://www.ogm.utah.gov)



**Mark Reinbold - Re: Federal 7-13-9-16**

---

**From:** Mark Reinbold  
**To:** Ben Krugman  
**Date:** 9/4/2012 9:02 AM  
**Subject:** Re: Federal 7-13-9-16

---

Ben,

I discussed the issue with Brad. The new CBL seems to reflect light cement up to 1100'. We're not really fond of light cement. Brad suggested that we will require monitoring the pressure in the Fed 21-13Y-9-16 well (43-013-31400). Meantime, you need to complete the abandonment of the Fed 6-13-9-16 (43-013-32657) prior to our modifying the permit for Fed 7-13-9-16 (43-013-~~32656~~ 32656).

Mark Reinbold

>>> Ben Krugman <bkrugman@newfield.com> 8/31/2012 8:23 AM >>>

Mark,

We are looking into converting the Federal 7-13-9-16 (API # 43-013-32656) and have zones of interest that go to up to 4043' (see attached wellbore diagram) The approval for injection we received from the state says no injection above 4,606'.

I took a look at the offset producers and it appears the issue lies with TOC on the Federal 21-13Y-9-16 (API #43-013-31400). We ran a CBL on the 21-13Y and it appears we have a TOC around 1,100'. We'd like to request permission to inject at a higher depth to cover all our zones of interest. Please let me know if you need any more information and I will be happy to supply. Thank you!

**Ben Krugman**

**Engineer.Production**

Office: 303-685-8035 Ext 4035

Mobile: 720-648-4810



**Mark Reinbold - Re: Federal 7-13-9-16**

---

**From:** Mark Reinbold  
**To:** Ben Krugman  
**Date:** 8/31/2012 10:02 AM  
**Subject:** Re: Federal 7-13-9-16

---

Ben,  
Do you have any update on the status of Federal 6-13-9-16 (43-013-32657)? I know there are plans to plug and abandon it. It has been in Operations Suspended status for more than six years.  
Mark

>>> Ben Krugman <bkrugman@newfield.com> 8/31/2012 8:23 AM >>>  
Mark,

We are looking into converting the Federal 7-13-9-16 (API # 43-013-32656) and have zones of interest that go to up to 4043' (see attached wellbore diagram) The approval for injection we received from the state says no injection above 4,606'.

I took a look at the offset producers and it appears the issue lies with TOC on the Federal 21-13Y-9-16 (API #43-013-31400). We ran a CBL on the 21-13Y and it appears we have a TOC around 1,100'. We'd like to request permission to inject at a higher depth to cover all our zones of interest. Please let me know if you need any more information and I will be happy to supply. Thank you!

**Ben Krugman**

**Engineer.Production**

Office: 303-685-8035 Ext 4035

Mobile: 720-648-4810

**NEWFIELD**



**Mark Reinbold - Federal 6-13-9-16**

---

**From:** Ben Krugman <bkrugman@newfield.com>  
**To:** Mark Reinbold <markreinbold@utah.gov>  
**Date:** 8/31/2012 10:05 AM  
**Subject:** Federal 6-13-9-16

---

Mark,

I just received approval of my procedure to plug and abandon the 6-13-9-16 so we are just waiting to get a rig on that well and will finish the job.

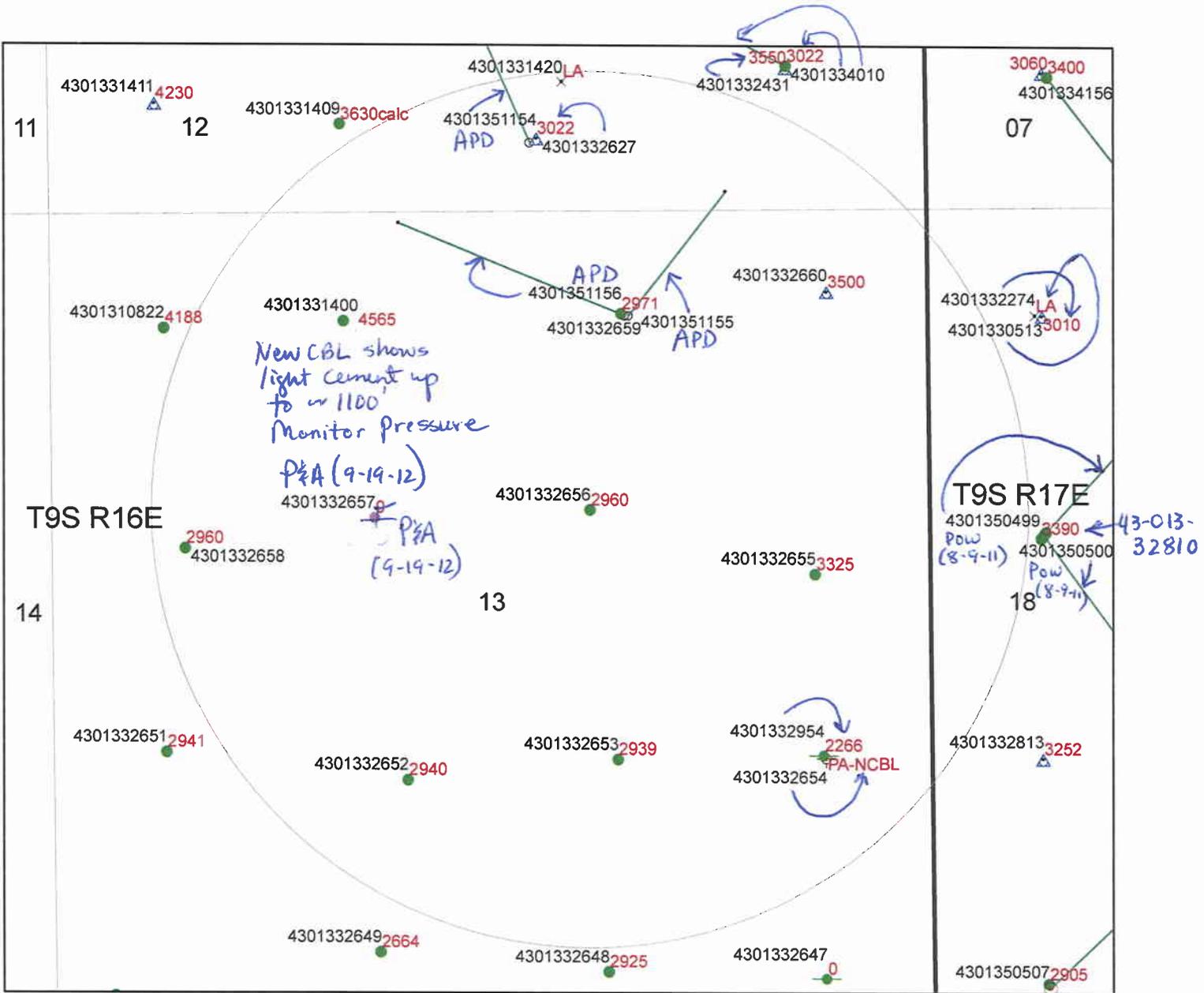
**Ben Krugman**

**Engineer.Production**

Office: 303-685-8035 Ext 4035

Mobile: 720-648-4810





# Cement Bond Tops FEDERAL 7-13-9-16

API #43-013-32656

UIC-386.2

## Legend

- Buffer\_of\_SGID93\_ENERGY\_DNROilGasWells\_34
- SGID93.ENERGY.DNROilGasWells**
- GIS\_STAT\_TYPE**
- APD
- DRL
- GIW
- GSW
- LA
- LOC
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WDW
- WIW
- WSW

*(operations suspended)*

- SGID93 BOUNDARIES Counties
- SGID93.ENERGY.DNROilGasWells\_HDBottom
- SGID93.ENERGY.DNROilGasWells\_HDPath
- Wells-CbitopsMaster02\_14\_12



1870calc = approx cement top calculated from well completion report.



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 7-13-9-16

**Location:** 13/9S/16E      **API:** 43-013-32656

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 312 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,875 feet. A cement bond log demonstrates adequate bond in this well up to about 2,960 feet. A 2 7/8 inch tubing with a packer is proposed at 3,993 feet, but will need to be adjusted downward. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 8 producing wells, 2 injection wells, 1 shut-in well (operations suspended, subsequently abandoned 9/19/2012), and 1 P/A well in the AOR. In addition, there is one permitted surface location inside the AOR for a well to be directionally drilled to a bottom hole location outside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 21-13Y-9-16 well (API# 43-013-31400), appears to have inadequate cement for the proposed injection interval. Its CBL (8/26/1993) indicates a cement top at about 4,565 feet. To protect this wellbore Newfield will not perforate the Federal 7-13-9-16 well above 4,606 feet (see next paragraph).

Revision (11/2/2012): In an e-mail dated 8/31/2012 Ben Krugman, Newfield Production Engineer, asked for a review of the injection depth limitation in the Federal 7-13-9-16 well. He requested that Newfield be allowed to inject into perforations up to a depth of 4,043 feet. Newfield had run a new CBL (8/30/2012) in the Federal 21-13Y (43-013-31400) well, indicating a top of light cement up to about 1,100 feet. The issue was subsequently reviewed by Mark Reinbold and Brad Hill of DOGM. It was concluded that the top of the injection interval in the Federal 7-13 well can be raised to 3,822 feet, as originally requested, with the stipulation that Newfield regularly monitor the pressure between the surface casing and production casing in the Federal 21-13Y (43-013-31400) well. An amended conversion permit for the Federal 7-13 well, including this stipulation, will be issued.

**Federal 7-13-9-16**

**page 2**

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1300 feet. The requested injection interval is between 3,822 feet and 5,829 feet in the Green River Formation. However, as described in the previous paragraph, the top of good cement bond is at about 4,665 feet in the Federal 21-13Y-9-16 well, located within the AOR, about 1/3 mile northwest of Federal 7-13-9-16 well. This cement top correlates to a depth of approximately 4,506 feet in the Federal 7-13-9-16 well. For this reason, it is recommended that the top of the injection interval be permitted no higher than a depth of 4,606 feet in the Federal 7-13-9-16 well. (Revised to 3,822 feet, see above). Information submitted by Newfield indicates that the fracture gradient for the 7-13-9-16 well is 0.90 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,874 psig. The requested maximum pressure is 1,874 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 2/14/2012 (rev. 11/2/2012)

<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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 7-13-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1807 FNL 2034 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013326560000
		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/30/2012	<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 checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<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 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 11/28/2012. On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.		Accepted by the <b>Utah Division of                  Oil, Gas and Mining</b>  Date: December 12, 2012  By:
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/6/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/30/12 Time 9:00  am  pm

Test Conducted by: EVERETT HARRIS

Others Present: \_\_\_\_\_

Well: <u>Federal 7-13-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>SWNE Sec 13 T9S R16E Duchesne County, UT</u>	API No: <u>43-013-32656</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>11650</u>	psig
5	<u>1650</u>	psig
10	<u>1650</u>	psig
15	<u>1650</u>	psig
20	<u>1650</u>	psig
25	<u>1650</u>	psig
30 min	<u>1650</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

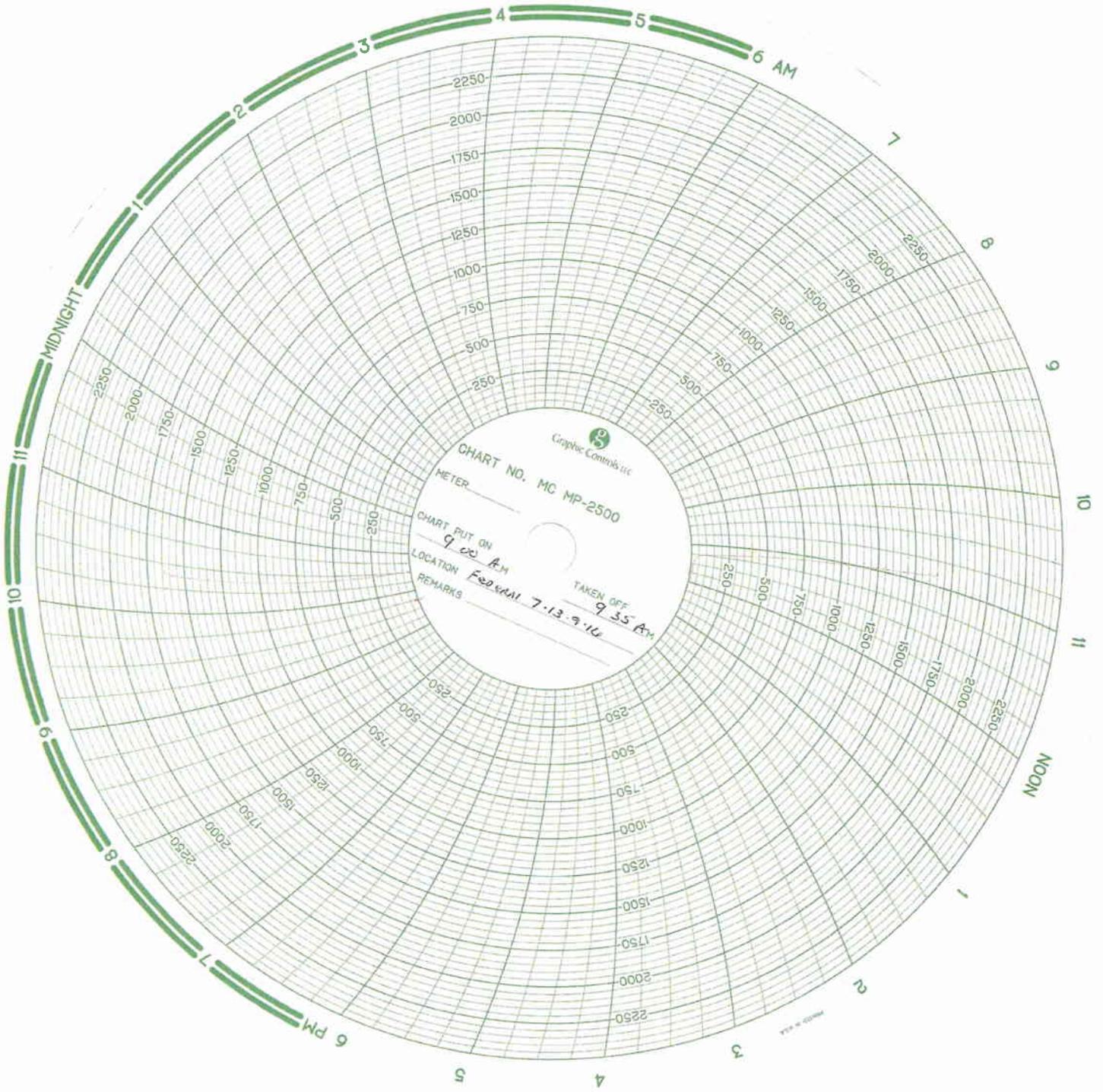
Tubing pressure: 0 psig

Result:  **Pass**  **Fail**

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

Signature of Person Conducting Test: Everett Harris

Sundry Number: 32917 API Well Number: 43013326560000



## Daily Activity Report

Format For Sundry

**FEDERAL 7-13-9-16**

**9/1/2012 To 1/30/2013**

**11/27/2012 Day: 1**

**Conversion**

NABORS,#W1406 on 11/27/2012 - MOVE RIG TO FED. 7 -13 -9-16,FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL TBG. - CREW TRAVEL,MOVE RIG TO FED. 7 -13 -9-16,S/I T -SILL. S/I RIG. R/U. STRETCH GUY LINES. DERRICK INSPECTION,N/D UNIT. L/D HORSEHEAD. PULL PUMP OFF -SEAT. L/D POLISH ROD. L/D 3 RODS.FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL.RETRIEVE ROD STRING. POOH W/ 98 - 4 PER GUIDED RODS. 51 SLICK RODS. 69 - 4 PER GUIDED RODS. & 6 SINKER BARS, FLUSHING TWICE MORE 20 BBLS THEN 10.X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP (TEST), RD WORKFLOOR, NU TBG TONGS.POOH W/ 32 JNTS 2 7/8" J -55, BREAKING EACH COLLAR, CLEANING W/ GAS, DOPING W/ GREEN DOPE, SWIFN, SDFN - CREW TRAVEL,MOVE RIG TO FED. 7 -13 -9-16,S/I T -SILL. S/I RIG. R/U. STRETCH GUY LINES. DERRICK INSPECTION,N/D UNIT. L/D HORSEHEAD. PULL PUMP OFF -SEAT. L/D POLISH ROD. L/D 3 RODS.FLUSH 40 BW. P/U 4 RODS. SOFT SEAT PUMP. TEST TBG @ 3,000 PSI ( GOOD TEST) 12 BW TO FILL.RETRIEVE ROD STRING. POOH W/ 98 - 4 PER GUIDED RODS. 51 SLICK RODS. 69 - 4 PER GUIDED RODS. & 6 SINKER BARS, FLUSHING TWICE MORE 20 BBLS THEN 10.X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP (TEST), RD WORKFLOOR, NU TBG TONGS.POOH W/ 32 JNTS 2 7/8" J -55, BREAKING EACH COLLAR, CLEANING W/ GAS, DOPING W/ GREEN DOPE, SWIFN, SDFN **Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$17,571**

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**11/28/2012 Day: 2**

**Conversion**

NABORS,#W1406 on 11/28/2012 - TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O -RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS - CREW TRAVEL, JSA, START EQUIPMENT,TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O -RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS,RIH W/ 2 3/8" COLLAR, XN NIPPLE, 4 FT PUP JNT, X -O, RETRIEVABLE PACKER, ON/OFF TOOL, 2 7/8" SN, 122 JNTS,FLUSH TBG 20 BBLS, DROP STANDING VALVE, PRESSURE UP TO 3,000 PSI FIRST TEST LOOSING 220 PSI, SECOND TEST LOOSING 35 PSI, THIRD TEST HOLDING FOR 30 MINUTES W/ NO LOSS,RU LUBRICATOR, RIH FISH STANDING VALVE, POOH, LD LUBRICATOR - CREW TRAVEL, JSA, START EQUIPMENT,TBG 0, CSG 0 PSI, CONTINUE TO POOH CLEANING, REDOPING EACH COLLAR W/ GREEN DOPE (LIQUID O - RING), POOH TO DERRICK W/ 122 JNTS, LD REMAINING 55 JNTS TAC, SN AND NC, FLUSHING TBG 3 SEPERATE TIMES 60 BBLS,RIH W/ 2 3/8" COLLAR, XN NIPPLE, 4 FT PUP JNT, X -O, RETRIEVABLE PACKER, ON/OFF TOOL, 2 7/8" SN, 122 JNTS,FLUSH TBG 20 BBLS, DROP STANDING VALVE, PRESSURE UP TO 3,000 PSI FIRST TEST LOOSING 220 PSI, SECOND TEST LOOSING 35 PSI, THIRD TEST HOLDING FOR 30 MINUTES W/ NO LOSS,RU LUBRICATOR, RIH FISH STANDING VALVE, POOH, LD LUBRICATOR **Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$24,801**

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**11/29/2012 Day: 3**

**Conversion**

NABORS,#W1406 on 11/29/2012 - SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36 - CREW TRAVEL, JSA, JSP, START EQUIPMENT, TBG 0PSI, CSG 0PSI, RD WORKFLOOR, ND BOP, RU WELLHEAD,CIRCULATE 75 BBLs PACKER FLUID DWN CSG,SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36,Rig / Equipment Down - CREW TRAVEL, JSA, JSP, START EQUIPMENT, TBG 0PSI, CSG 0PSI, RD WORKFLOOR, ND BOP, RU WELLHEAD,CIRCULATE 75 BBLs PACKER FLUID DWN CSG,SET PACKER @ 3973.03, TEST CSG TO 1400 PSI, HELD SOLID ON FIRST TEST. 12 FT KB, 122 JNTS J - 55 3958.48, SN @ 3970.48, EOT @ 3986.36,Rig / Equipment Down

**Daily Cost:** \$0

**Cumulative Cost:** \$28,053

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**12/3/2012 Day: 4**

**Conversion**

Rigless on 12/3/2012 - Conduct initial MIT - On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/29/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/30/2012 the casing was pressured up to 1650 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$116,887

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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		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64805
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		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.		
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 7-13-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013326560000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1807 FNL 2034 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/20/2012	<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 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 checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 1:00 PM on 12/20/2012.

**Accepted by the Utah Division of Oil, Gas and Mining**  
**Date:** February 07, 2013  
**By:**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/3/2013	

# Federal 7-13-9-16

Spud Date: 09-26-05

Put on Production: 12-01-05

GL: 5549' KB: 5561'

## Injection Wellbore Diagram

### SURFACE CASING

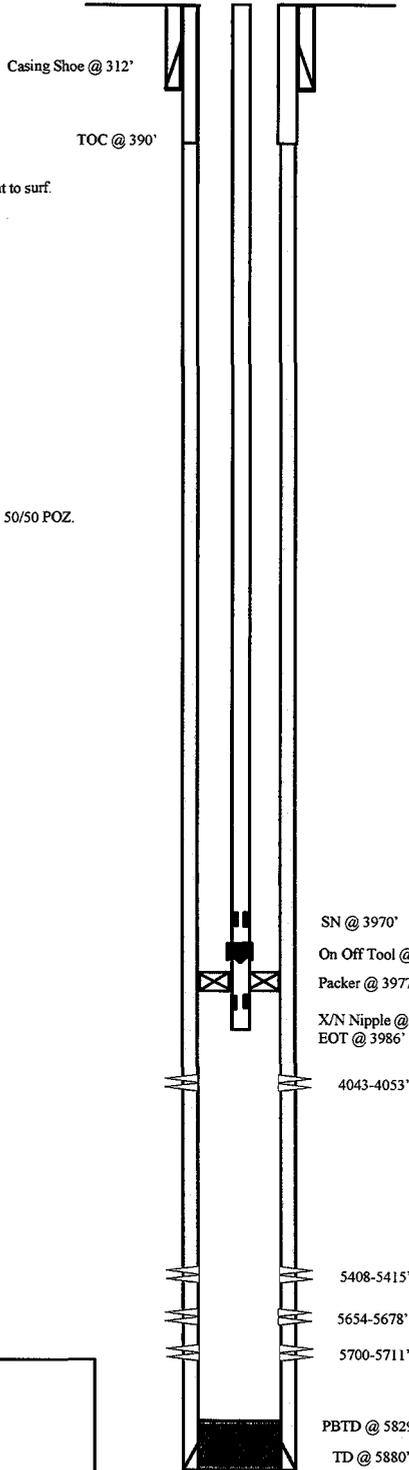
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.02')  
 DEPTH LANDED: 311.92' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5829.6')  
 DEPTH LANDED: 5875.35' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 390'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 122 jts (3958.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3970.5' KB  
 ON/OFF TOOL AT: 3971.6'  
 ARROW #1 PACKER CE AT: 3977'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3980.4'  
 TBG PUP 2-3/8 J-55 AT: 3980.9'  
 X/N NIPPLE AT: 3985'  
 TOTAL STRING LENGTH: EOT @ 3986.36'



### FRAC JOB

11-22-05 5654-5711' **Frac CP4, & CP5 sands as follows:**  
 124436# 20/40 sand in 875 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5652 gal. Actual flush: 5313 gal.

11-23-05 5408-5415' **Frac CP1, sands as follows:**  
 19462# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 1730 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5406 gal. Actual flush: 3990 gal.

11-23-05 4043-4053' **Frac GB6 sands as follows:**  
 47516# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1613 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4041 gal. Actual flush: 3948 gal.

8/15/08 **Parted Rods.** Rod & tubing updated.  
 09-16-11 **Parted Rods.** Rods & tubing updated.  
 11/28/12 **Convert to Injection Well**  
 11/30/12 **Conversion MIT Finalized** – update tbg detail

### PERFORATION RECORD

11-17-05	5700-5711'	4 JSPF	44 holes
11-17-05	5654-5678'	4 JSPF	96 holes
11-22-05	5408-5415'	4 JSPF	28 holes
11-23-05	4043-4053'	4 JSPF	40 holes



**Federal 7-13-9-16**  
 1807' FNL & 2034' FEL  
 SW/NE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32656; Lease #UTU-64805



GARY R. HERBERT  
Governor

GREGORY S. BELL  
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

## UNDERGROUND INJECTION CONTROL PERMIT

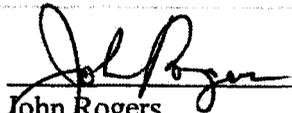
Cause No. UIC-386

**Operator:** Newfield Production Company  
**Well:** Federal 7-13-9-16  
**Location:** Section 13, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32656  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 23, 2012 (amended November 5, 2012).
2. Maximum Allowable Injection Pressure: 1,874 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,822' – 5,829')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12/17/12  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801  
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • [www.ogm.utah.gov](http://www.ogm.utah.gov)

