



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,

A handwritten signature in cursive script that reads "Mandie Crozier".

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 16-13-9-16

9. API Well No.  
43-013-32647

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/SE 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 SE/SE 656' FSL 661' FEL 580215X 40.02542  
At proposed prod. zone 4430792Y -110.05995

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 20.1 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. 661' f/lse, 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. 1,321'

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5528' 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:

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

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



INLAND PRODUCTION COMPANY  
FEDERAL #16-13-9-16  
SE/SE 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	5850'

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 #16-13-9-16  
SE/SE 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 #16-13-9-16 located in the SE 1/4 SE 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 - 14.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 3.9 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 335'  $\pm$  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 #16-13-9-16 Inland Production Company requests 335' 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 335' 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.

**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
Crested Wheat Grass		4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #16-13-9-16 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 #16-13-9-16 SE/SE 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

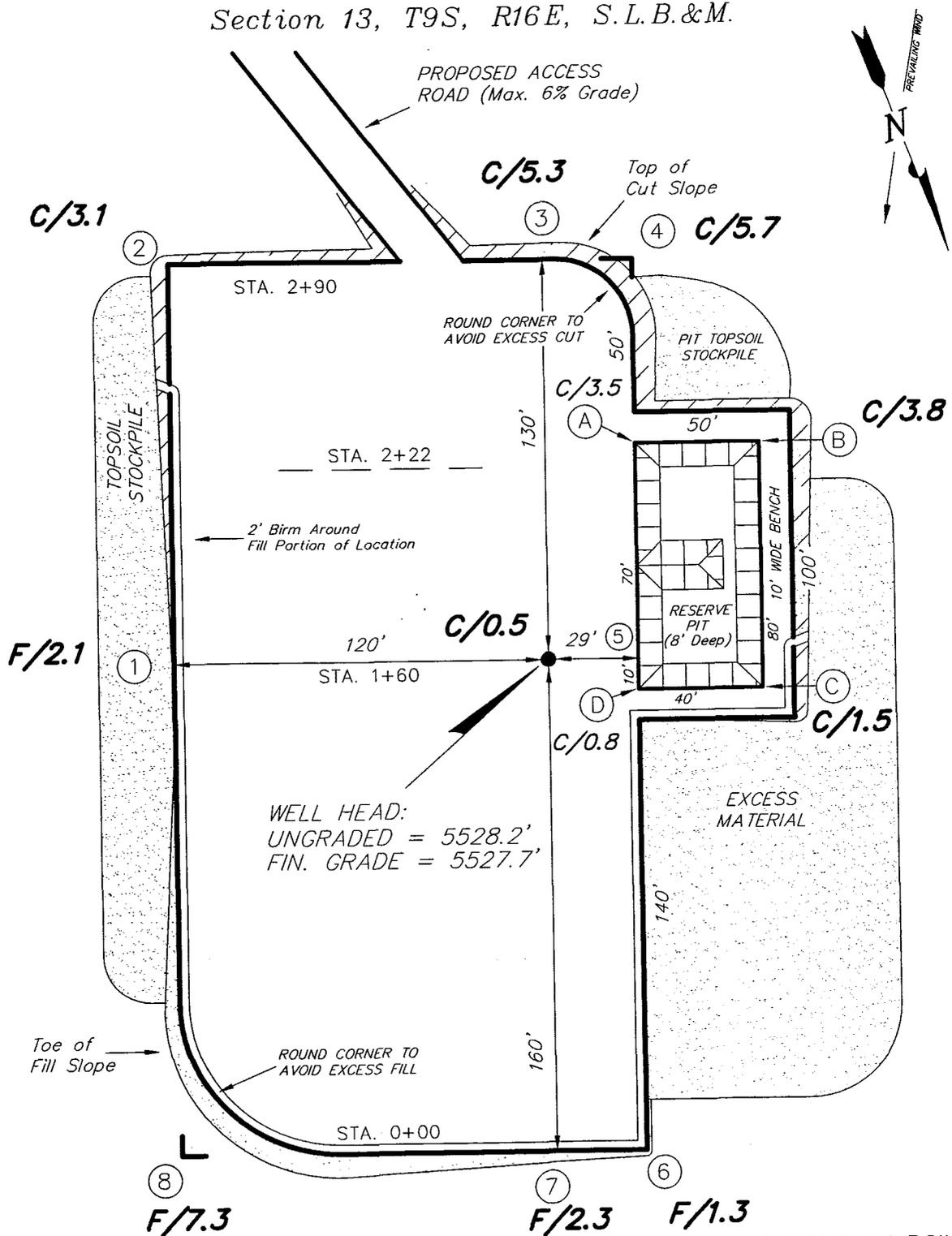
Date

Mandie Crozier  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 16-13-9-16

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



WELL HEAD:  
 UNGRADED = 5528.2'  
 FIN. GRADE = 5527.7'

REFERENCE POINTS	
210' NORTH	= 5524.4'
260' NORTH	= 5522.2'
170' EAST	= 5525.7'
220' EAST	= 5526.5'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 8-1-04

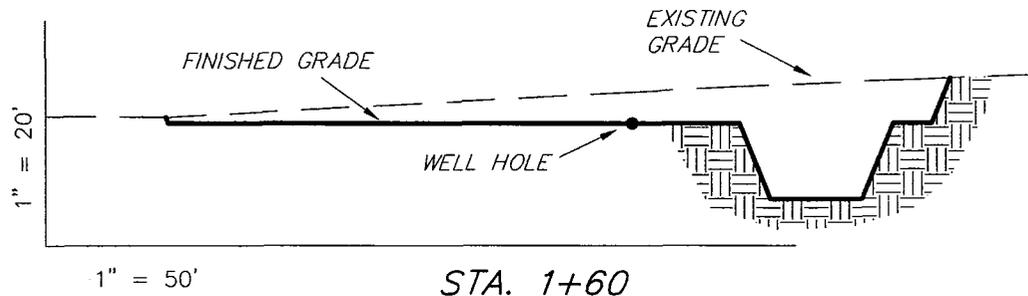
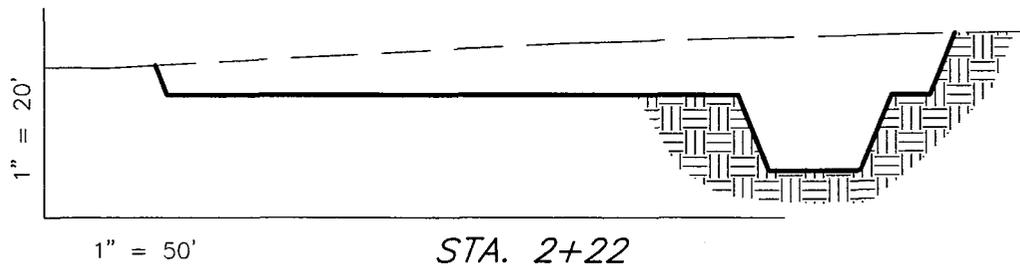
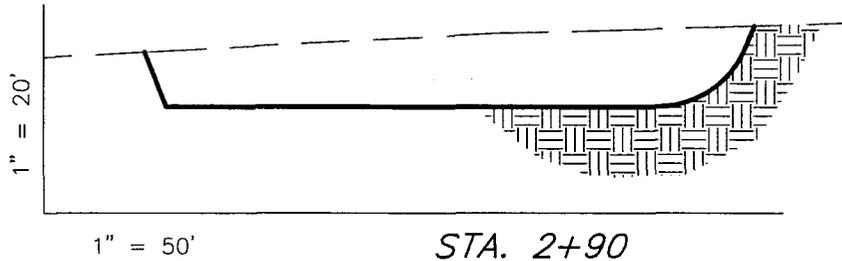
(435) 781-2501

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 16-13-9-16



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,770	630	Topsoil is not included in Pad Cut	4,140
PIT	640	0		640
TOTALS	5,410	630	890	4,780

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

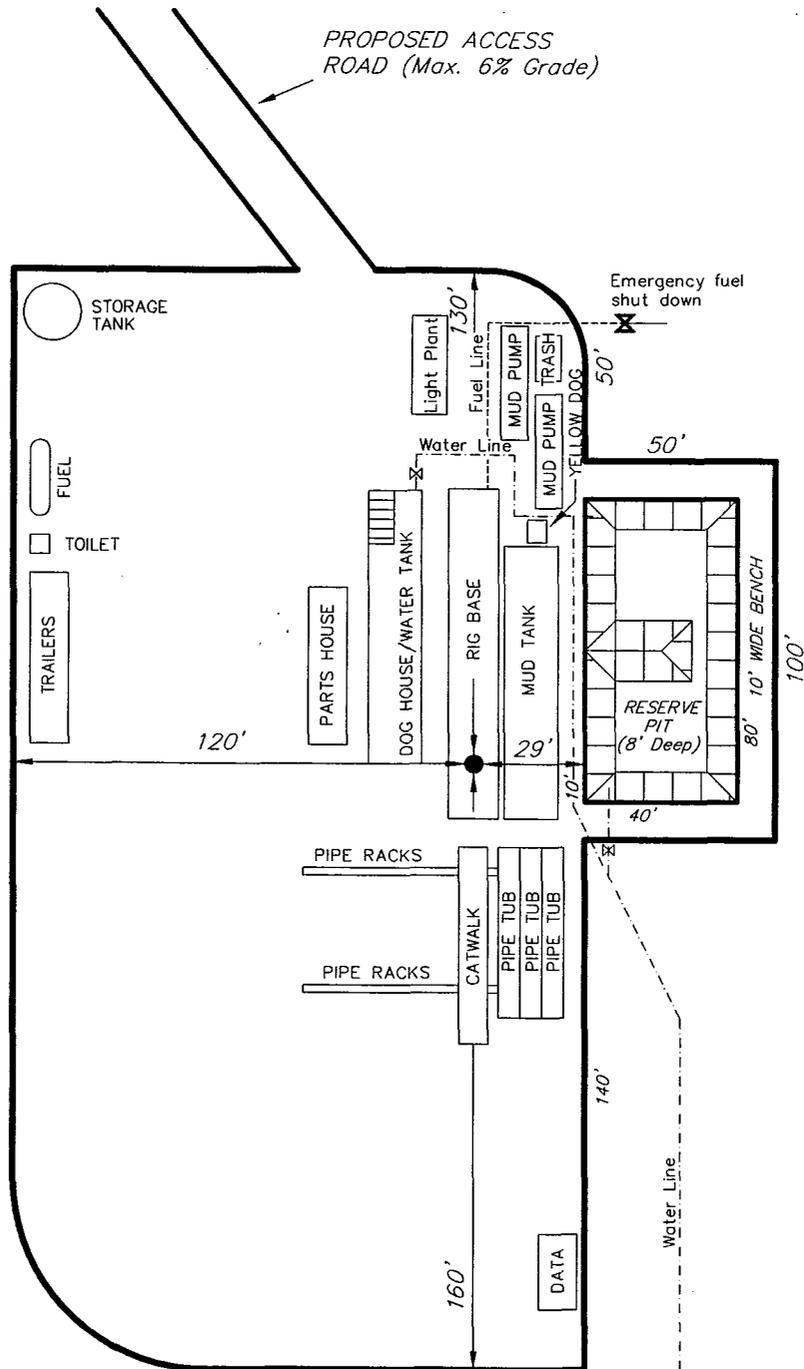
DRAWN BY: F.T.M.

DATE: 8-1-04

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

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT FEDERAL 16-13-9-16



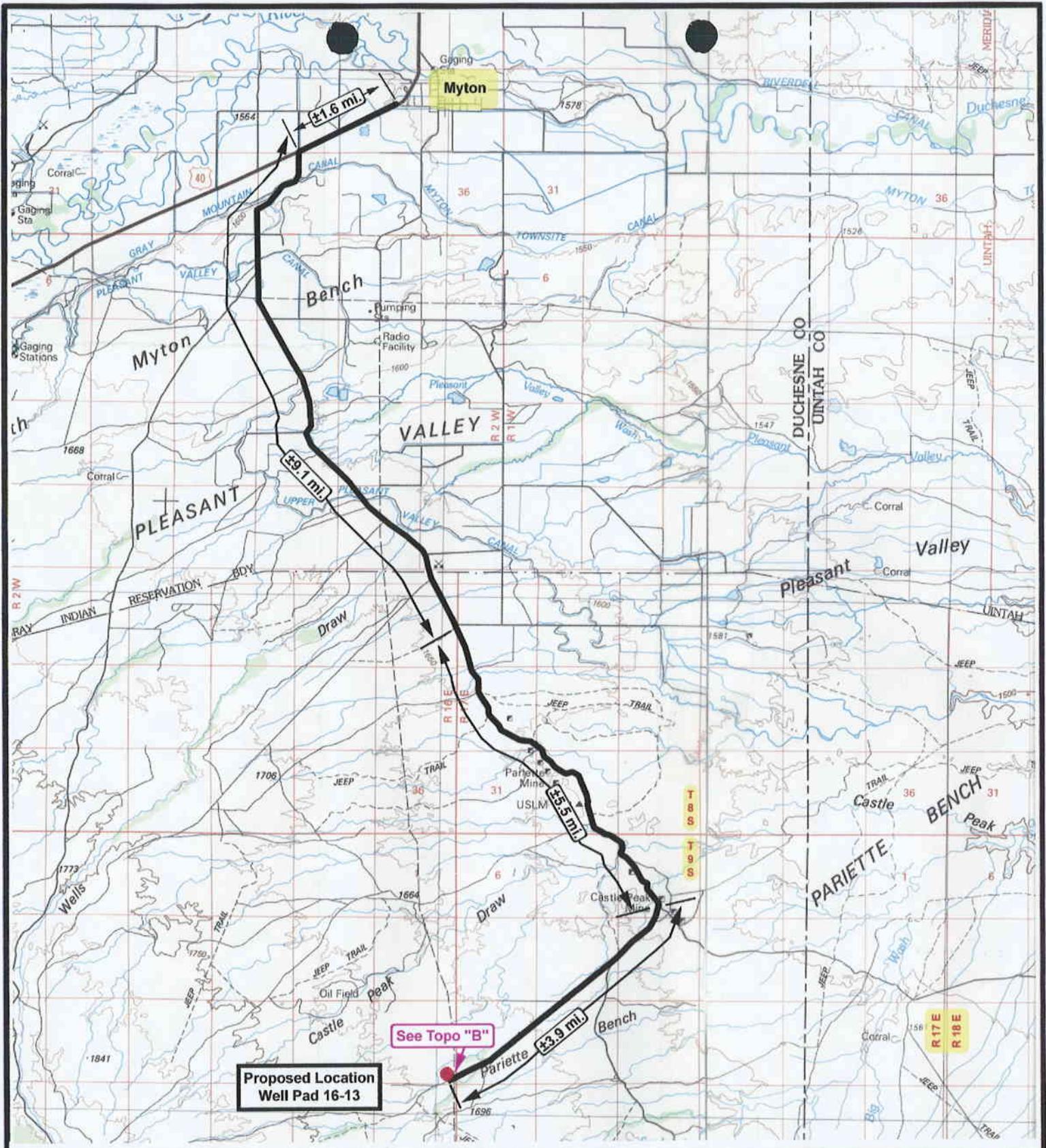
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-1-04

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



**Proposed Location  
Well Pad 16-13**

See Topo "B"



**Federal 16-13-9-16  
SEC. 13, T9S, R16, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

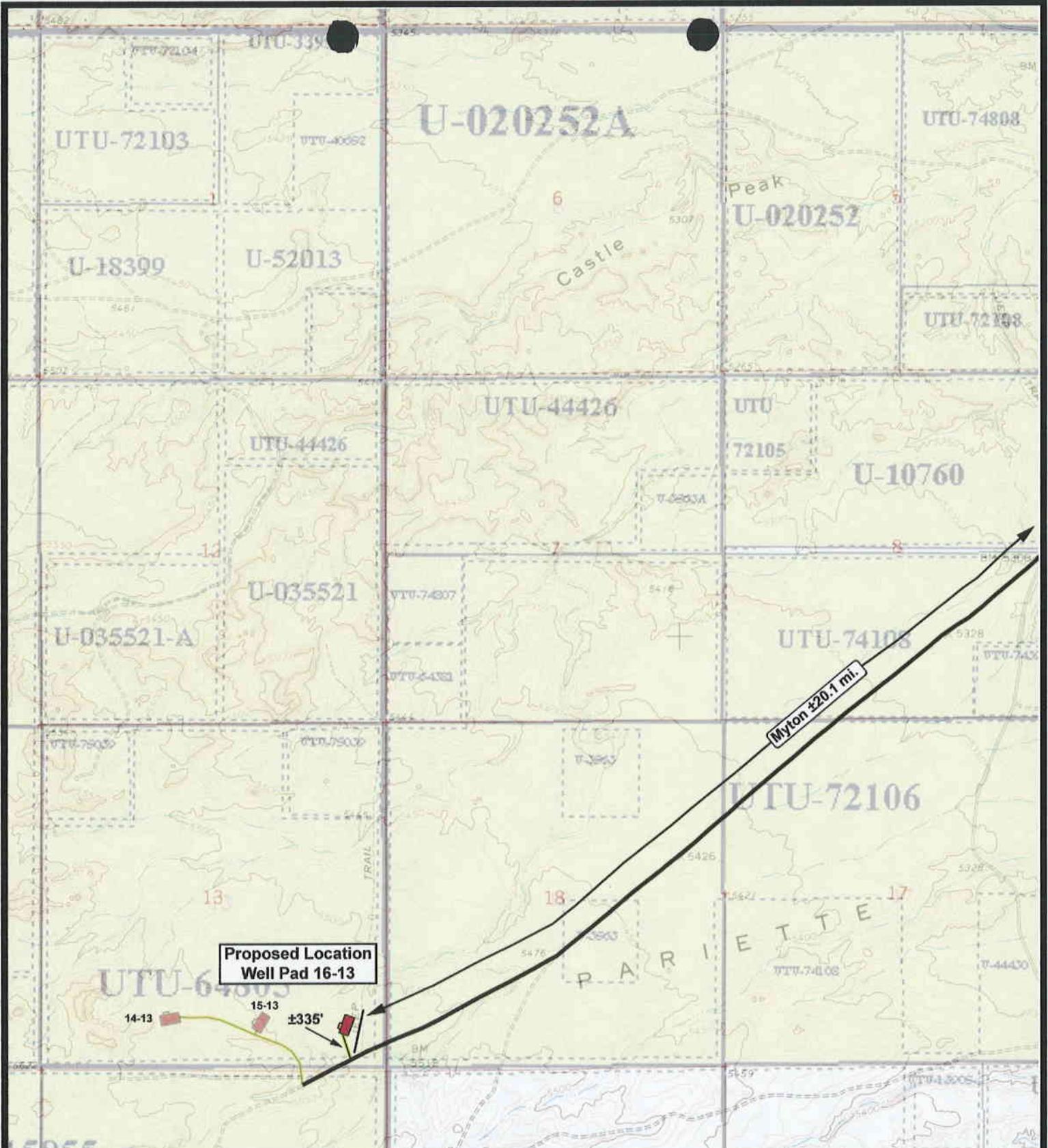
SCALE: 1 : 100,000  
DRAWN BY: bgm  
DATE: 08-03-2004

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Proposed Location  
Well Pad 16-13**

14-13 15-13 1335'

Myton 20.1 mi.



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

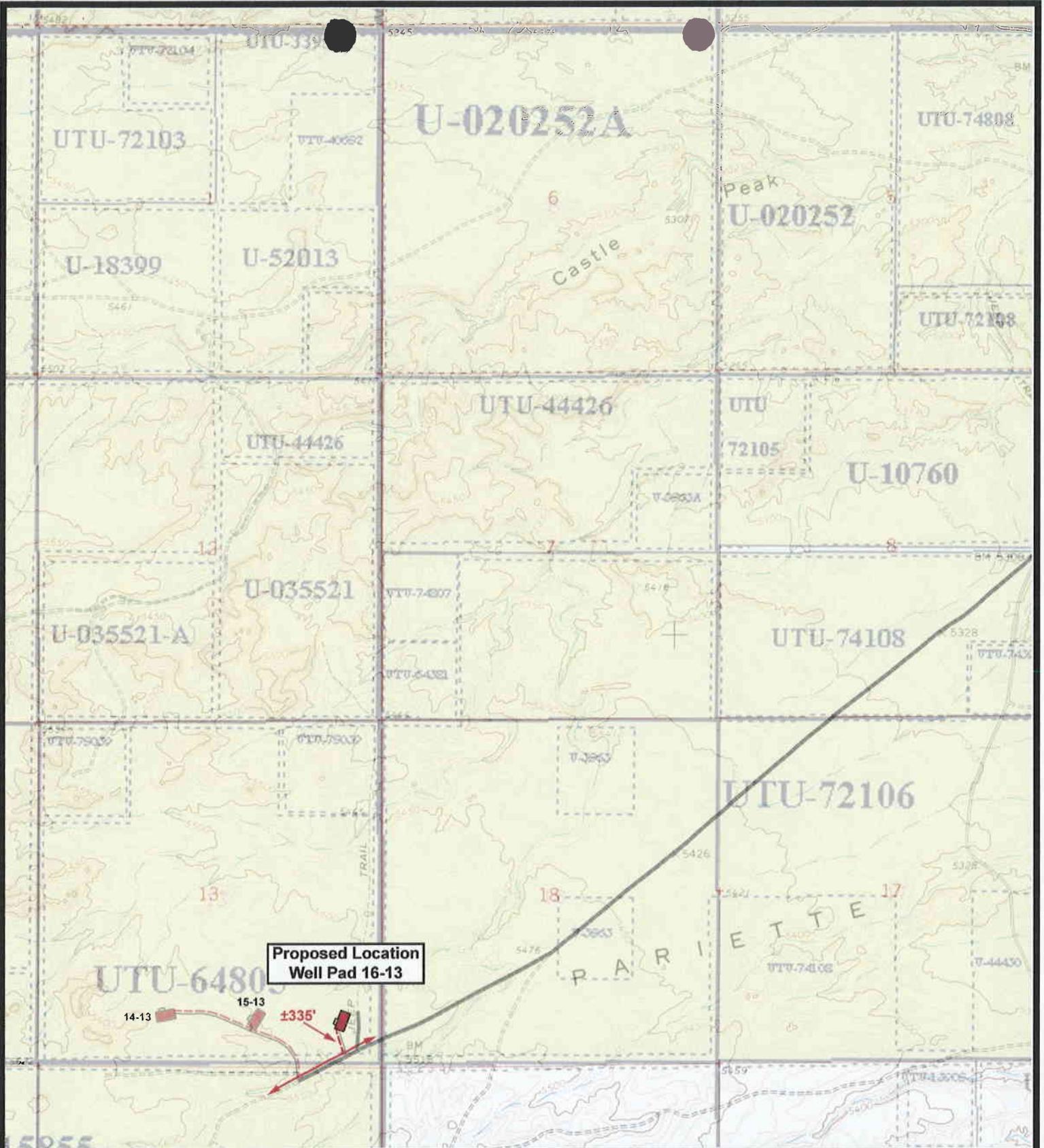


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-03-2004

**Legend**  
— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP  
**"B"**



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

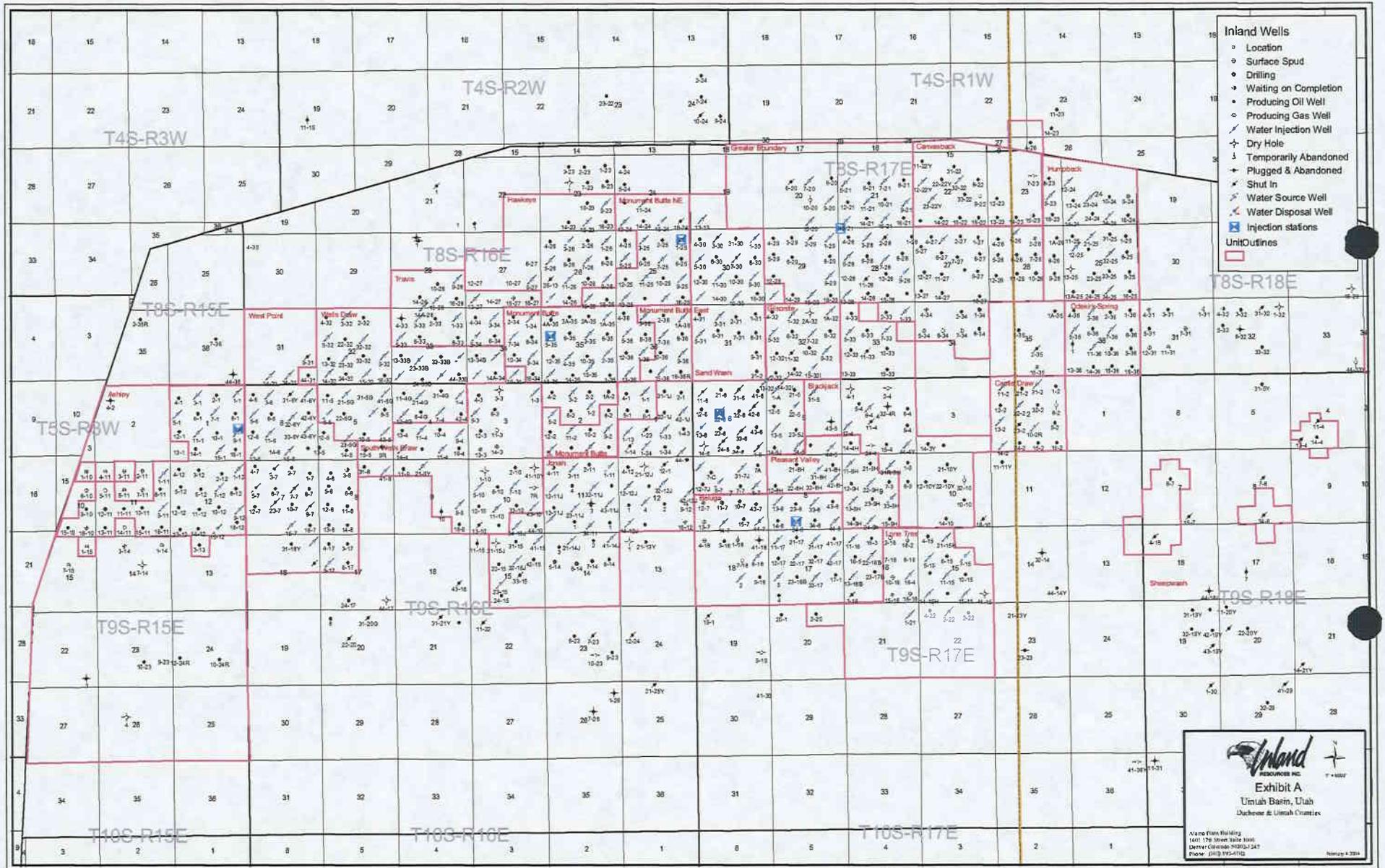


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 08-03-2004

Legend	
	Roads
	Existing Gas Line
	Proposed Gas Line

TOPOGRAPHIC MAP  
**"C"**

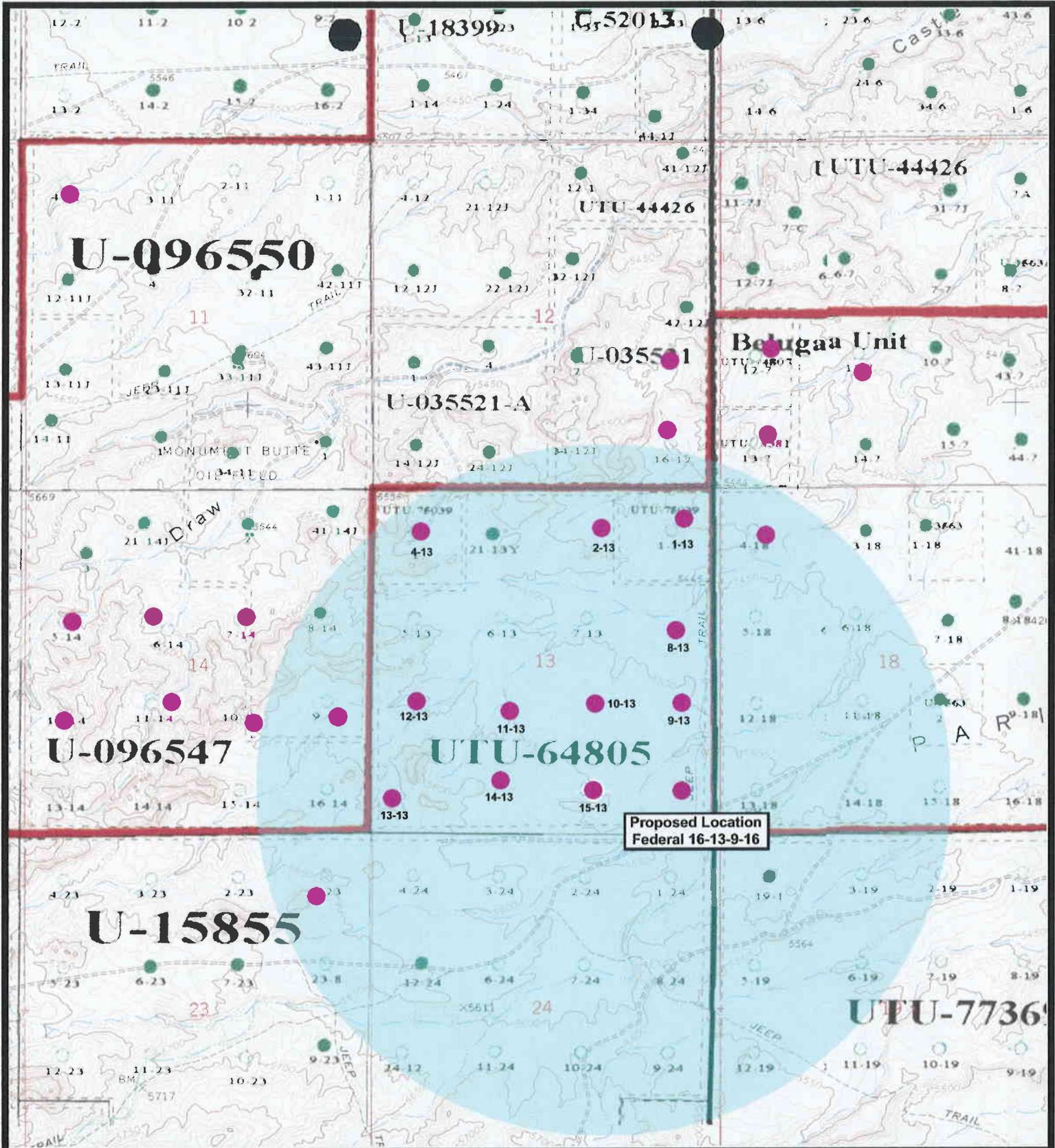


**Inland**  
RESOURCES INC.

**Exhibit A**  
Uimah Basin, Utah  
Duchene & Uimah Counties

Alamo Plaza Building  
1401 17th Street Suite 3000  
Denver Colorado 80202-3242  
Phone: (303) 733-1100

Form 4-2004



Proposed Location  
Federal 16-13-9-16



**Federal 16-13-9-16**  
**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: 08-03-2004

Legend

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

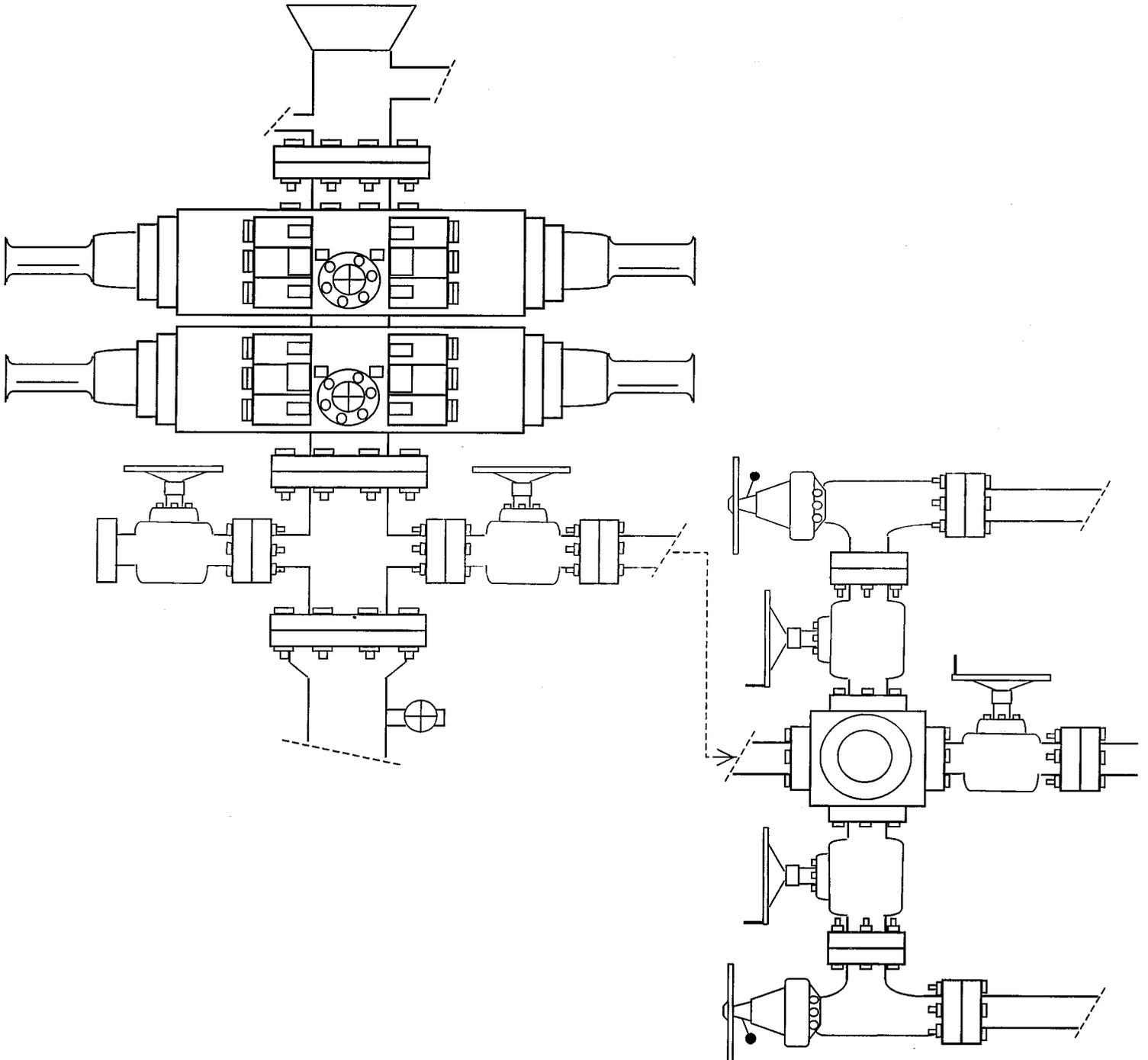


EXHIBIT C

Exhibit "D"  
Page 1 of 4

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:

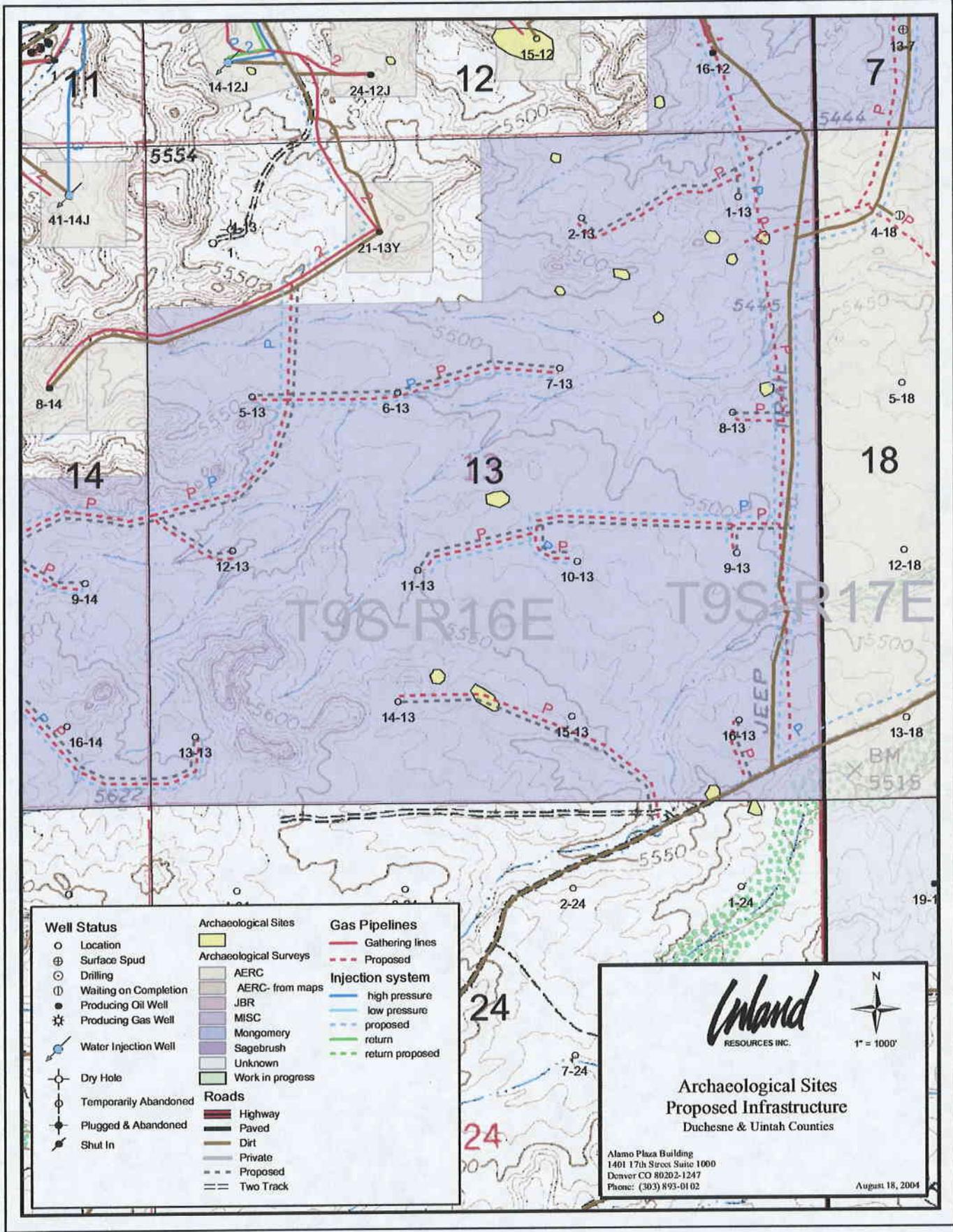
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

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]

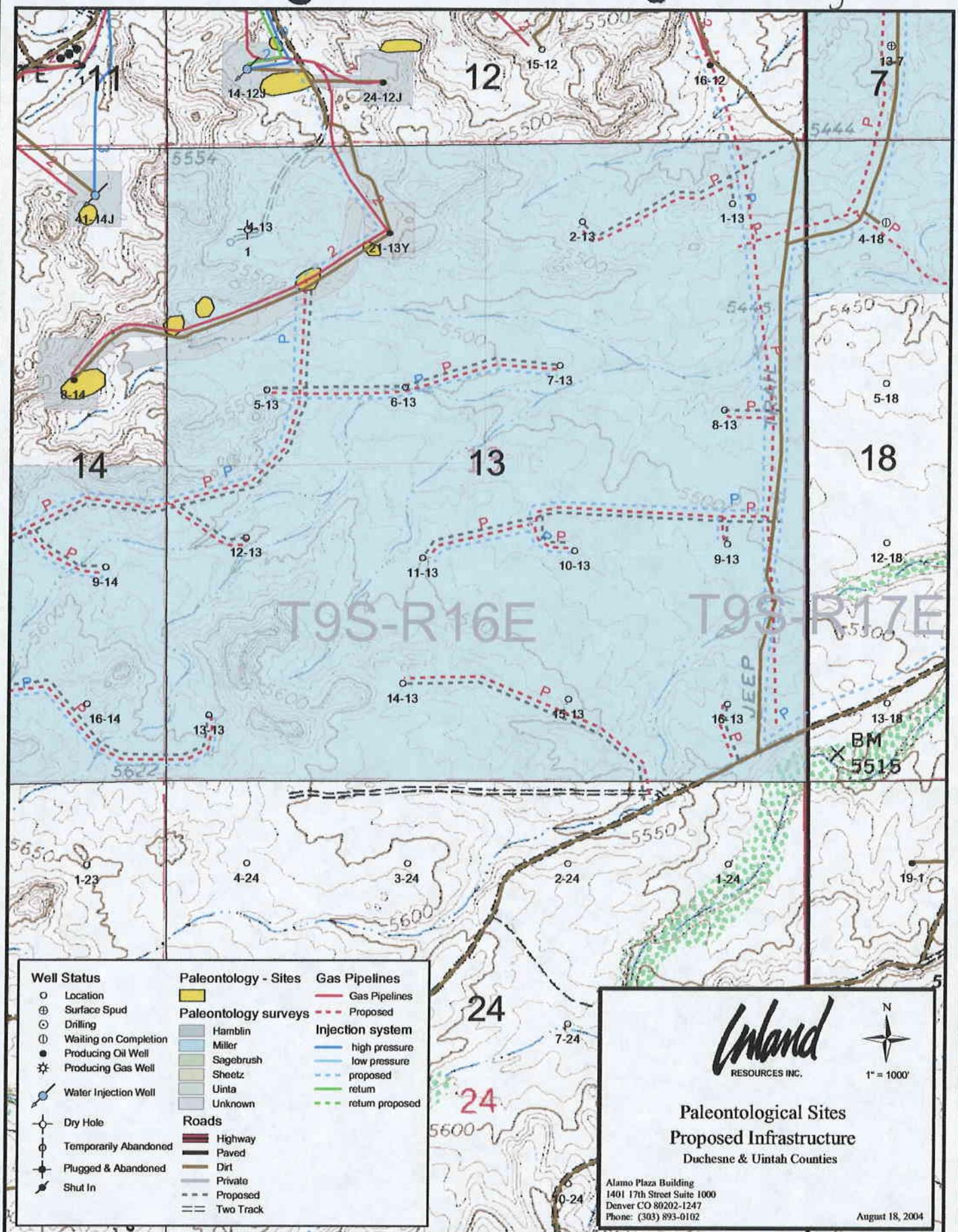
**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
April 7, 2004



Well Status	Paleontology - Sites	Gas Pipelines
○ Location	Yellow box	— Gas Pipelines
⊕ Surface Spud	Paleontology surveys	- - - Proposed
⊙ Drilling	Hamblin	<b>Injection system</b>
⊖ Waiting on Completion	Miller	— high pressure
● Producing Oil Well	Sagebrush	— low pressure
⊙ Producing Gas Well	Sheetz	- - - proposed
⊕ Water Injection Well	Uinta	— return
⊖ Dry Hole	Unknown	- - - return proposed
⊙ Temporarily Abandoned	<b>Roads</b>	
⊙ Plugged & Abandoned	— Highway	
⊙ Shut In	— Paved	
	— Dirt	
	— Private	
	- - - Proposed	
	— 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

APD RECEIVED: 08/20/2004

API NO. ASSIGNED: 43-013-32647

WELL NAME: FEDERAL 16-13-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 13 090S 160E

SURFACE: 0656 FSL 0661 FEL

BOTTOM: 0656 FSL 0661 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64805

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02542

LONGITUDE: -110.0600

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

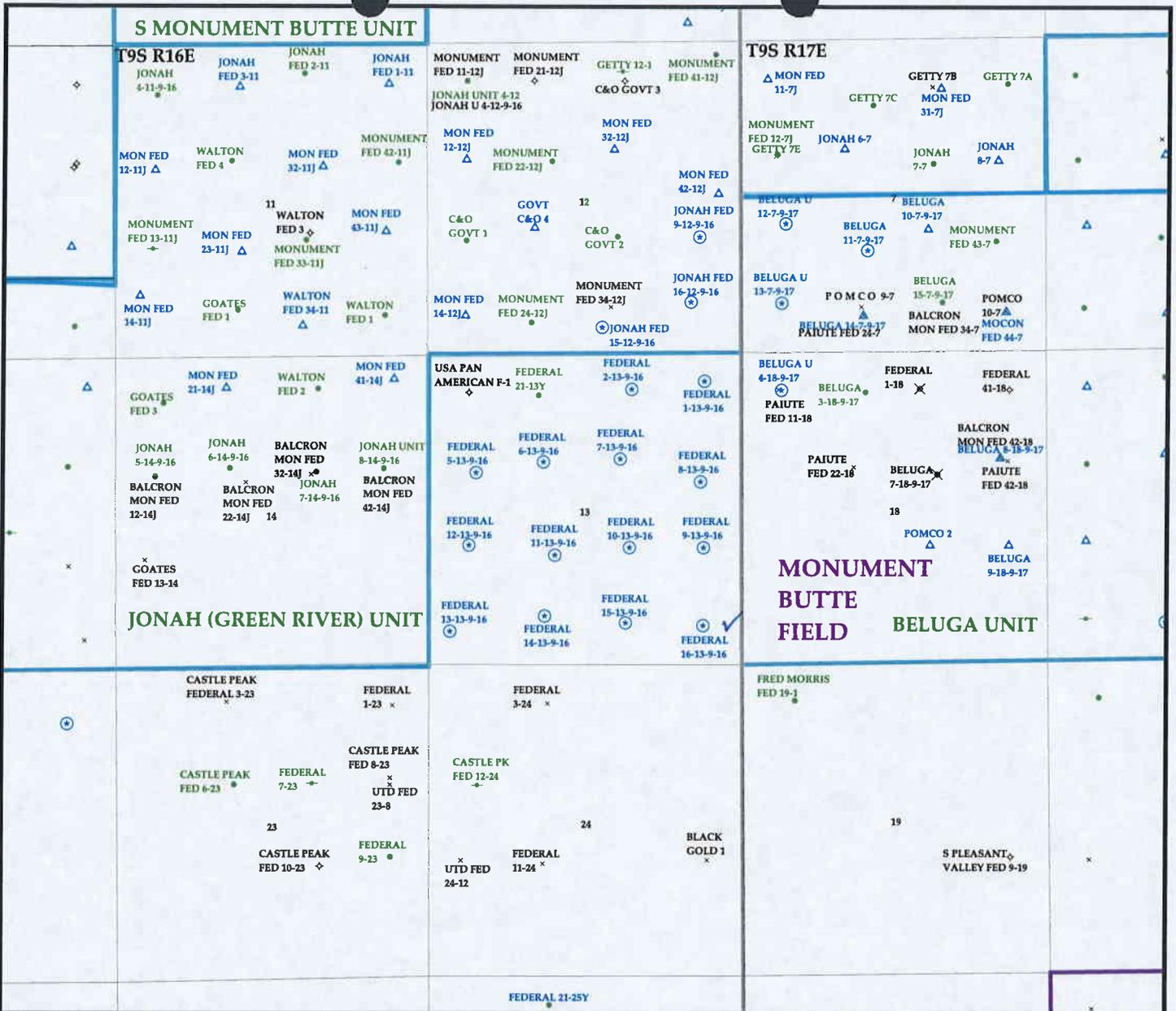
- \_\_\_ R649-2-3.
- Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- \_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

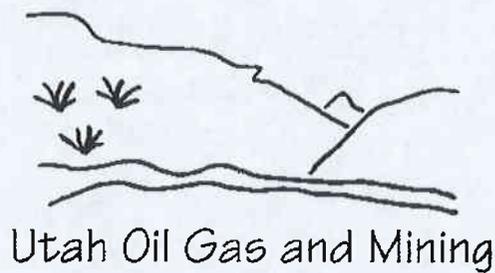
*Sup, Separate file*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Stip*



**OPERATOR: INLAND PRODUCTION CO (N5160)**  
**SEC. 13 T.9S R.16E**  
**FIELD: MONUMENT BUTTE (105)**  
**COUNTY: DUCHESNE**  
**SPACING: R649-3-2 / GENERAL SITING**



- |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Wells</b>                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Units.shp</b>                                                                                                                                                                                                                                                                | <b>Fields.shp</b>                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>♣ GAS INJECTION</li> <li>○ GAS STORAGE</li> <li>× LOCATION ABANDONED</li> <li>⊕ NEW LOCATION</li> <li>⊖ PLUGGED &amp; ABANDONED</li> <li>✱ PRODUCING GAS</li> <li>● PRODUCING OIL</li> <li>⊖ SHUT-IN GAS</li> <li>⊖ SHUT-IN OIL</li> <li>× TEMP. ABANDONED</li> <li>○ TEST WELL</li> <li>△ WATER INJECTION</li> <li>♣ WATER SUPPLY</li> <li>♣ WATER DISPOSAL</li> </ul> | <ul style="list-style-type: none"> <li>□ EXPLORATORY</li> <li>□ GAS STORAGE</li> <li>□ NF PP OIL</li> <li>□ NF SECONDARY</li> <li>□ PENDING</li> <li>□ PI OIL</li> <li>□ PP GAS</li> <li>□ PP GEOTHERML</li> <li>□ PP OIL</li> <li>□ SECONDARY</li> <li>□ TERMINATED</li> </ul> | <ul style="list-style-type: none"> <li>□ ABANDONED</li> <li>□ ACTIVE</li> <li>□ COMBINED</li> <li>□ INACTIVE</li> <li>□ PROPOSED</li> <li>□ STORAGE</li> <li>□ TERMINATED</li> </ul> |



**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

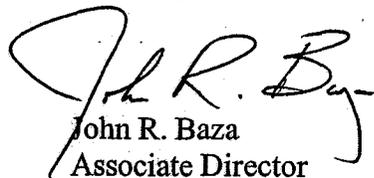
Re: Federal 16-13-9-16 Well, 656' FSL, 661' FEL, SE SE, Sec. 13, T. 9 South,  
R. 16 East, Duchesne County, Utah

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 43-013-32647.

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 16-13-9-16

API Number: 43-013-32647

Lease: UTU-64805

Location: SE SE                      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

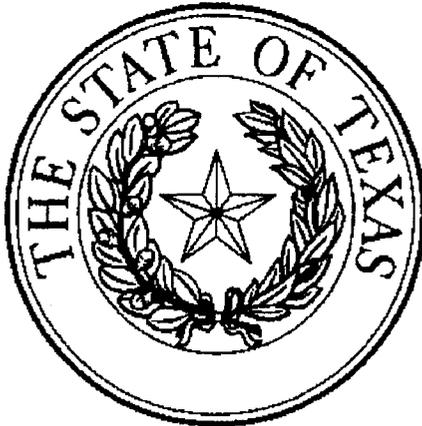
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

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**

**ROUTING**

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:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): 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

**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)

**656 FSL 661 FEL SE/SE Section 13, T9S R16E**

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 16-13-9-16**

9. API Well No.

**43-013-32647**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Permit Extension**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 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: 08-25-05

By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 8-30-05  
Initials: *[Signature]*

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

Signed

*[Signature]*  
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**

RESET

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

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

**API:** 43-013-32647  
**Well Name:** Federal 16-13-9-16  
**Location:** SE/SE 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

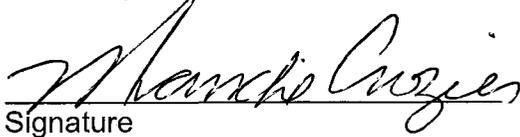
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

  
Signature

8/19/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

AUG 22 2005

DIV. OF OIL, GAS & MINING

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 16-13-9-16

Api No: 43-013-32647 Lease Type: FEDERAL

Section 13 Township 09S Range 16E County UINTAH

Drilling Contractor NDSI RIG # NS#1

**SPUDDED:**

Date 08/29/05

Time \_\_\_\_\_

How DRY

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

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 08/29/2005 Signed CHD

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	14906	43-013-32647	FEDERAL 16-13-9-16	SE/SE	13	9S	16E	DUCHESNE	08/29/05	8/31/05
WELL 1 COMMENTS: <i>GRU</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 2 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 3 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 4 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 5 COMMENTS:											

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

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

*Kim Kettle*  
 Signature Kim Kettle  
 Production Clerk August 31, 2005  
 Title Date

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

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)  
656 FSL 661 FEL  
SE/SE 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 16-13-9-16

9. API Well No.

4301332647

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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

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

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

On 8/29/05 MIRU NDS1 NS # 1. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.42' KB  
On 9/3/05 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 4 bbls cement to pit. WOC.

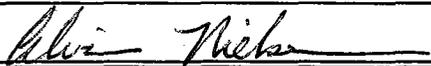
I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Alvin Nielsen

Title

Drilling Foreman

Signature



Date

09/04/2005

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

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

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

Title

Date

Office

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**

SEP 08 2005

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 313.42

LAST CASING 8 5/8" SET AT 314'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER N/A  
 HOLE SIZE 12 1/4

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

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		42.96' SH jt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.57
		<b>GUIDE</b> shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	303.42
TOTAL LENGTH OF STRING	303.42	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>313.42</b>

TOTAL	301.57	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	301.57	7	
TIMING	1ST STAGE		
BEGIN RUN CSG.	Spud	8/29/2005 12:00 PM	GOOD CIRC THRU JOB <u>YES</u>
CSG. IN HOLE		8/30/2005 2:00 PM	Bbls CMT CIRC TO SURFACE <u>4</u>
BEGIN CIRC		9/3/2005 11:52 AM	RECIPROCATED PIPE I N/A <u>N/A</u>
BEGIN PUMP CMT		9/3/2005 12:04 PM	DID BACK PRES. VALVE HOLD ? <u>N/A</u>
BEGIN DSPL. CMT		9/3/2005 12:15	BUMPED PLUG TO <u>570</u> PSI
PLUG DOWN		9/3/2005 12:23 PM	

CEMENT USED	CEMENT COMPANY- <b>B. J.</b>
STAGE # SX	CEMENT TYPE & ADDITIVES
1 160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Alvin Nielsen DATE 9/4/2005

**RECEIVED**  
**SEP 08 2005**  
 DIV. OF OIL, GAS & MINING

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 16-13-9-16

9. API Well No.  
4301332647

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
656 FSL 661 FEL  
SE/SE   Section 13 T9S R16E

**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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/9/05 MIRU Union Rig # 14. 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 @ 258'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5900'. 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, 131 jt's of 5.5 J-55, 15.5# csgn. Set @ 5885.20' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers returned to pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig 3:00 PM 9/15/05

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature 	Date 09/16/2005

**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  
SEP 23 2005  
BUREAU OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5885.2

LAST CASING 8 5/8" SET AT 314'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5900 LOGGER 5895'  
 HOLE SIZE 7 7/8"

Fit cllr @ 5840.78  
 OPERATOR Newfield Production Company  
 WELL FEDERAL 16-13-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Union Rig # 14

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>5.48' short jt @ 3877.11'</b>					
<b>131</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5826.78
		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>	45.17
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING
	5887.2	132	5887.2
TOTAL LENGTH OF STRING			14
LESS NON CSG. ITEMS	15.25		12
PLUS FULL JTS. LEFT OUT	270.9	6	<b>5885.2</b>

TOTAL	FEET	JTS	} COMPARE
<b>6142.85</b>	<b>6142.85</b>	<b>138</b>	
TOTAL CSG. DEL. (W/O THRDS)	6142.85	138	
TIMING	1ST STAGE	2nd STAGE	
BEGIN RUN CSG.	9/15/2005	6:30 AM	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE	9/15/2005	9:30 AM	Bbls CMT CIRC TO SURFACE <u>All spacers returned to pit</u>
BEGIN CIRC	9/15/2005	9:30 AM	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>
BEGIN PUMP CMT	9/15/2005	11:11 AM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>
BEGIN DSPL. CMT	9/15/2005	11:54	BUMPED PLUG TO <u>1897</u> PSI
PLUG DOWN	<b>9/15/2005</b>	<b>12:17 PM</b>	

CEMENT USED	CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES
<b>1</b>	<b>300</b>	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
<b>2</b>	<b>475</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 Alvin Nielsen DATE 9/16/2005

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.

**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)  
 656 FSL 661 FEL  
 SE/SE    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 16-13-9-16

9. API Well No.  
 4301332647

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 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.)

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	Title
Name (Printed/ Typed) Mandie Crozier	Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 10/27/2005

**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, agency or the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**NOV 01 2005**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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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 16-13-9-16

9. API Well No.  
4301332647

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

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3b. Phone No. (include are code)  
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4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
656 FSL 661 FEL  
SE/SE Section 13 T9S R16E

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

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

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

COPY SENT TO OPERATOR  
Date: 11-9-05  
Initials: [Signature]

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Mandie Crozier

Signature  
[Signature]

Title  
Regulatory Specialist

Date  
10/27/2005

THIS SPACE FOR FEDERAL OR STATE APPROVAL OF THIS ACTION IS NECESSARY

Approved by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval of This  
Action is Necessary

Approved by \_\_\_\_\_ Title Oil, Gas and Mining 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.

Date: 11/2/05  
[Signature]

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(Instructions on reverse)

**RECEIVED**  
NOV 01 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

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                   Myton, UT 84052                              435.646.3721

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 656 FSL 661 FEL  
 SE/SE    Section 13 T9S R16E

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6. If Indian, Allottee or Tribe Name.

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 FEDERAL 16-13-9-16

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<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 _____ Weekly Status Report
	<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 type="checkbox"/> Water Disposal	

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Status report for time period 10/18/05 - 10/26/05

Subject well had completion procedures initiated in the Green River formation on 10-18-05 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 (5074'-5083'); Stage #2(4946'-4965'); Stage #3(3984'-4001'). 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 10-25-2005. Bridge plugs were drilled out and well was cleaned to 5839'. Zones were swab tested for sand cleanup. A 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 10-26-2005.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Lana Nebeker	Production Clerk
Signature <i>Lana Nebeker</i>	Date
	11/09/2005

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

Approved by	Title	Date
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**RECEIVED**

NOV 10 2005

DIV. OF OIL, GAS & MINING

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

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

1a. TYPE OF WORK OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. UTU-64805	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Newfield Exploration Company		7. UNIT AGREEMENT NAME NA	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202		8. FARM OR LEASE NAME, WELL NO. Federal 16-13-9-16	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 656' FSL & 661' FEL (SE/SE) Sec. 13, T9S, R16E At top prod. Interval reported below  At total depth		9. WELL NO. 43-013-32647	
14. API NO. 43-013-32647		DATE ISSUED 8/25/04	
15. DATE SPUDDED 8/29/05		16. DATE T.D. REACHED 9/14/05	
17. DATE COMPL. (Ready to prod.) 10/26/05		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5528' GL 5540' KB	
19. ELEV. CASINGHEAD		12. COUNTY OR PARISH Duchesne	
20. TOTAL DEPTH, MD & TVD 5900'		13. STATE UT	
21. PLUG BACK T.D., MD & TVD 5839'		22. IF MULTIPLE COMPLEMENTS HOW MANY* ----->	
23. INTERVALS DRILLED BY		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 3984'-5083'		CABLE TOOLS	
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		28. WAS WELL CEMENTED No	

**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#	313'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5885'	7-7/8"	300 sx Premlite II and 475 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 @ 5151'	TA @ 5050'

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	
(LODC) 5074'-5083'	.46"	4/36	5074'-5083'	Frac w/ 55,032# 20/40 sand in 529 bbls fluid	
(A3) 4946'-4965'	.46"	4/76	4946'-4965'	Frac w/ 100,665# 20/40 sand in 716 bbls fluid	
(GB6) 3984'-4001'	.46"	4/68	3984'-4001'	Frac w/ 93,364# 20/40 sand in 649 bbls fluid	

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 10/26/05	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 30 day ave	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 9	GAS--MCF. 95	WATER--BBL. 18	GAS-OIL RATIO 10556
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY--API (CORR.)	

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

TEST WITNESSED BY  
**DEC 05 2005**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED: Mandie Crozier TITLE: Regulatory Specialist DATE: 12/1/2005

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 16-13-9-16	Garden Gulch Mkr	3464'	
				Garden Gulch 1	3668'	
				Garden Gulch 2	3777'	
				Point 3 Mkr	4043'	
				X Mkr	4292'	
				Y-Mkr	4327'	
				Douglas Creek Mkr	4451'	
				BiCarbonate Mkr	4688'	
				B Limestone Mkr	4796'	
				Castle Peak	5298'	
				Basal Carbonate	5727'	
				Total Depth (LOGGERS)	5895'	

<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 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 16-13-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0656 FSL 0661 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013326470000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013326470000	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: 5/6/2014	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforations"/>

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

The subject well has been converted from a producing oil well to an injection well on 05/01/2014. New intervals perforated, C sands - 4644-4647' 3 JSPF & GB4 sands - 3925-3934' 3 JSPF. On 05/02/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/06/2014 the casing was pressured up to 1507 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 an State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
May 27, 2014**

Date: \_\_\_\_\_  
By: *[Signature]*

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/12/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ 5/16/2014 Time 9:00 (am) pm

Test Conducted by: Shannon Lazenby

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

Well: <u>Federal #13-9-16</u>	Field: <u>Greater Monument Butte</u>
Well Location: <u>SE/SE SEC. 13 T9S R16E</u>	API No: <u>43-013-32647</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1506</u>	psig
5	<u>1507</u>	psig
10	<u>1507</u>	psig
15	<u>1507</u>	psig
20	<u>1506</u>	psig
25	<u>1506</u>	psig
30 min	<u>1507</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

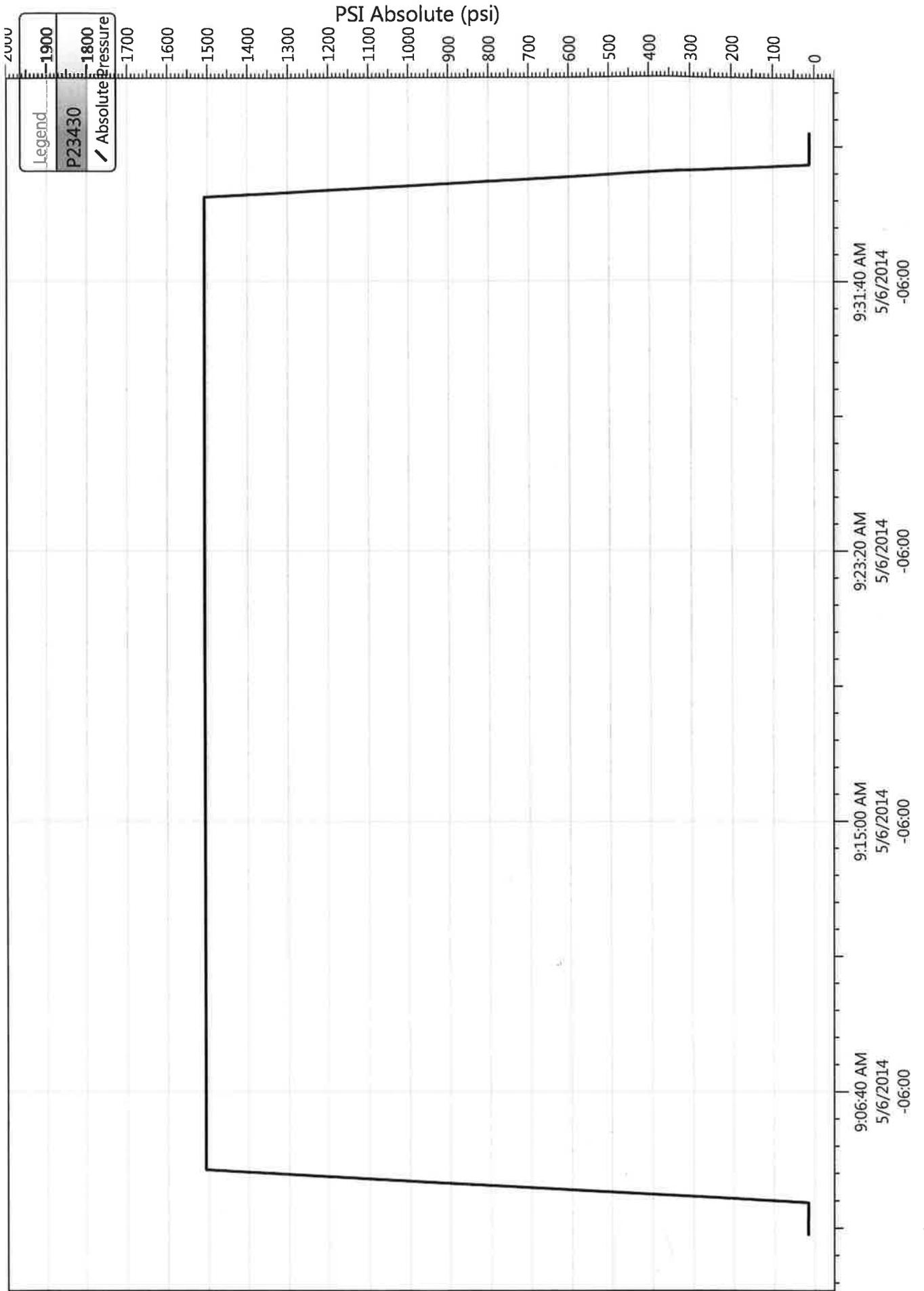
Tubing pressure: 0 psig

Result: Pass Fail

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

Signature of Person Conducting Test: [Signature]

federal 16-13-9-16 5/6/2014  
5/6/2014 8:52:42 AM





Well Name: Federal 16-13-9-16

Job Detail Summary Report

Jobs	Primary Job Type	Job Start Date	Job End Date
Conversion		4/25/2014	5/6/2014

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
4/25/2014	4/26/2014	MIRUSU, Test tbg, LD rods, RU BOP's.
Start Time	End Time	Comment
00:00	12:00	
Start Time	End Time	Comment
12:00	16:00	MIRUSU, Pump 120 bbls down casing. Unhang horses head. Can't get pump unseated. Work rods. Test tbg to 5000 psi w/ 10 bbls (cannot blow tbg). Back rods off, TOOH w/ 1-1/2" x 22' polish rod, 2', 4', 8' x 3/4" pony rods, 99- 3/4" 4per guided, 87- 3/4" slick, 10- 3/4" 4per guided, 4- 1-1/2" K-Bars (left 2 weight rods & pump). Pumped 75 bbls down casing on wlaying down rods on trailer to keep rods clean.
Start Time	End Time	Comment
16:00	20:00	RD wellhead. Change over to tbg equipment. RU BOP's. Work Tbg to release TA.
Start Time	End Time	Comment
20:00	00:00	
Report Start Date	Report End Date	24hr Activity Summary
4/28/2014	4/29/2014	Strip tbg out of hole. Perforate zones. Unload frac string.
Start Time	End Time	Comment
00:00	07:00	
Start Time	End Time	Comment
07:00	15:30	Held safety meeting, TOOH w/ 7 std breaking, doping & inspecting every pin. Well shows oil. Hot oil w/ 60 bbls water down casing (circulating all the way). RU swab equipment. Swab well down. TOOH w/ tbg breaking & doping. 20 sids and well is full again. RU swab & swab well down again. 20 sids & well is full. RU swab. Strip last 2 weight rods out of tbg.
Start Time	End Time	Comment
15:30	17:30	RU WLT & pack-off. RIH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120°, 21" pen) 3 spf. Perferate C sds @ 4644-47' & GB4 sds @ 3930-34', 3925-28' w/ tfl of 30 shots. RD WLT.
Start Time	End Time	Comment
17:30	18:30	Set tbg racks. Unload L-80 tbg. Tally & drift tbg.
Start Time	End Time	Comment
18:30	00:00	
Report Start Date	Report End Date	24hr Activity Summary
4/29/2014	4/30/2014	PU frac string. Test casing. Break down GB4 sds. Test tools. Frac C sds. Flow back. Reset tools.
Start Time	End Time	Comment
00:00	07:00	
Start Time	End Time	Comment
07:00	11:30	Held safety meeting. PU 5-1/2" "TS" RBP, on/off tool, 4' x 2-3/8" pup jt, 5-1/2" "HD" pkr, 1 jt, SN. Tally, drift & PU L-80, 2-7/8", 6.5#, 8EUE tbg & TIH w/ 123 jts tbg.
Start Time	End Time	Comment
11:30	13:30	Set RBP @ 3964'. Set pkr @ 3873'. Fill casing w/ 30 bbls & test casing to 1500 psi. Pipe rams leaking. Break down GB4 sds @ 4500 psi back to 3900 PSI/W/ 13 bbls. ISIP was 2700. Release tools. Reset RBP @ 4677'. Set pkr @ 4617'. C sds won't break down @ 4600 psi.
Start Time	End Time	Comment
13:30	15:30	MIRU Halliburton frac crew. Release pkr & spot 6 bbls of 15% HSL acid on C sds. Reset pkr.
Start Time	End Time	Comment
15:30	16:30	Stage #1; C sds down tbg. Test lines to 5000 psi. Open well w/ 2730 psi on casing. Broke @ 4500 psi back to 2714 psi. Treated @ ave pressure of 4344 @ ave rate of 20 bpm w/ 354 bbls of Delta 140 17# frac fluid in fresh wr. Treated w/ 18,700# of 20/40 white sand @ 5 ppa. ISIP was 1960 w/ .87FG. Bbls EWTR.
Start Time	End Time	Comment
16:30	18:00	Open well on 28/64 choke & flowed back for 1.5 hours w/ 120 bbls rec'd.



Well Name: Federal 16-13-9-16

Job Detail Summary Report

Start Time	18:00	End Time	19:30	Comment
Start Time	19:30	End Time	00:00	Comment
Report Start Date	4/30/2014	Report End Date	5/1/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:30	Comment
Start Time	08:30	End Time	09:30	Comment
Start Time	09:30	End Time	10:30	Comment
Start Time	10:30	End Time	14:00	Comment
Start Time	14:00	End Time	15:30	Comment
Start Time	15:30	End Time	17:30	Comment
Start Time	17:30	End Time	18:30	Comment
Start Time	18:30	End Time	00:00	Comment
Report Start Date	5/1/2014	Report End Date	5/2/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	09:00	Comment
Start Time	09:00	End Time	11:00	Comment
Start Time	11:00	End Time	14:00	Comment
Start Time	14:00	End Time	17:00	Comment
Start Time	17:00	End Time	00:00	Comment
Report Start Date	5/6/2014	Report End Date	5/6/2014	24hr Activity Summary
Start Time	00:00	End Time	09:00	Comment



Well Name: Federal 16-13-9-16

### Job Detail Summary Report

Start Time	End Time	Comment
09:00	09:30	On 05/02/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/06/2014 the casing was pressured up to 1507 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.

**NEWFIELD**

**Schematic**

**Well Name: Federal 16-13-9-16**

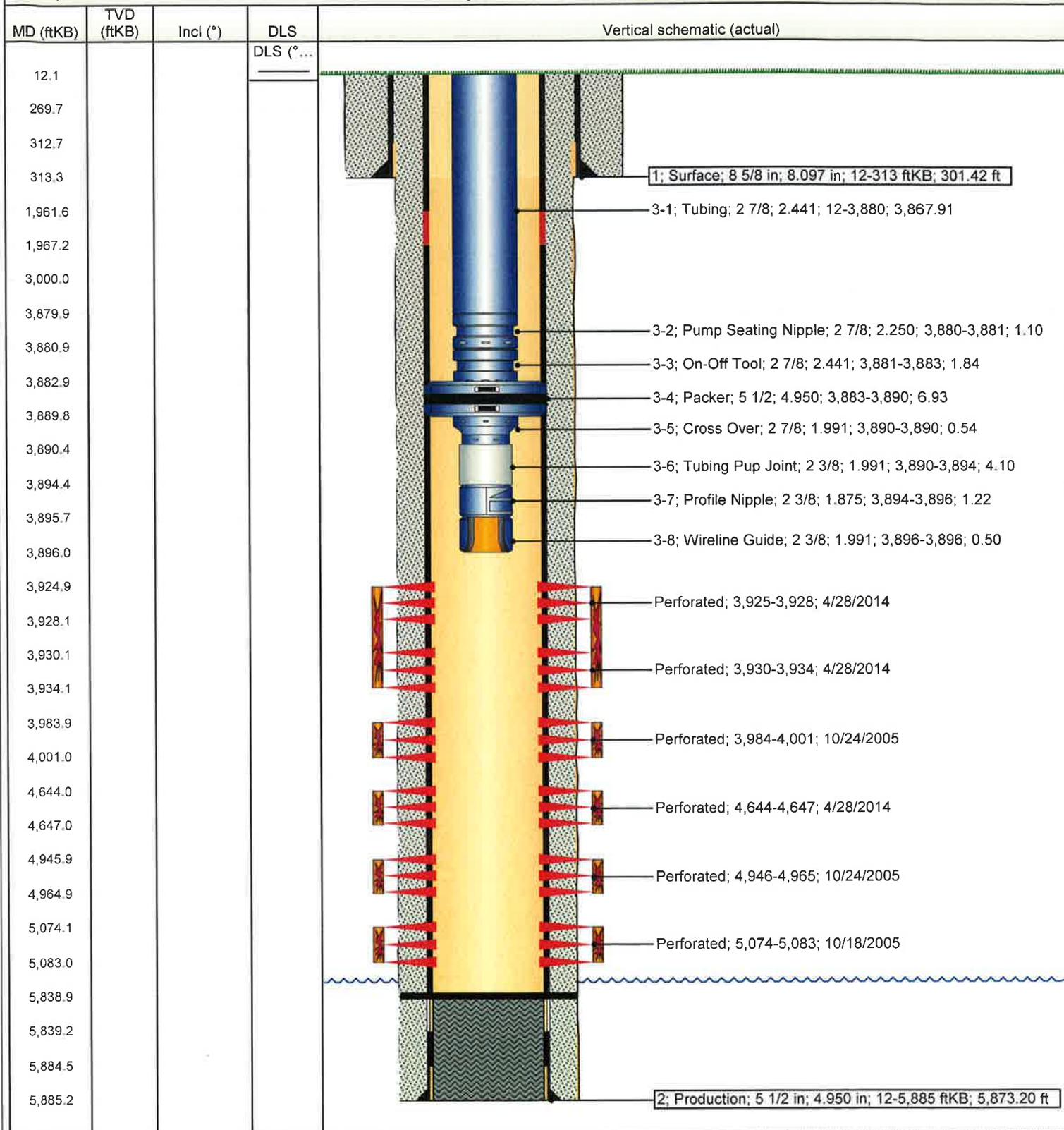
Surface Legal Location 13-9S-16E		API/UWI 43013326470000	Well RC 500151034	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 8/29/2005	Rig Release Date 9/15/2005	On Production Date 10/26/2005	Original KB Elevation (ft) 5,539	Ground Elevation (ft) 5,527	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,838.8	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 4/25/2014	Job End Date 5/6/2014
---------------------------------------	--------------------------------	---------------------------	-----------------------------	--------------------------

**TD: 5,885.2**

Vertical - Original Hole, 5/9/2014 10:45:03 AM



## NEWFIELD

Newfield Wellbore Diagram Data  
Federal 16-13-9-16

Surface Legal Location 13-9S-16E		API/UWI 43013326470000		Lease	
County DUCHESNE		State/Province Utah		Field Name GMBU CTB6	
Well Start Date 8/29/2005		Spud Date 8/29/2005		Final Rig Release Date 9/15/2005	
Original KB Elevation (ft) 5,539		Ground Elevation (ft) 5,527		Total Depth (ftKB) 5,885.2	
		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,838.8	

## Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/30/2005	8 5/8	8.097	24.00	J-55	313
Production	9/15/2005	5 1/2	4.950	15.50	J-55	5,885

## Cement

## String: Surface, 313ftKB 9/3/2005

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 313.4	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

## String: Production, 5,885ftKB 9/15/2005

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 3,000.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premite II w/ 10% gel + 3% KCL, 3#/s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield		Fluid Type Lead	Amount (sacks) 300	Class PLII	Estimated Top (ftKB) 12.0

## String: Production, 5,885ftKB 9/15/2005

Cementing Company BJ Services Company		Top Depth (ftKB) 3,000.0	Bottom Depth (ftKB) 5,885.2	Full Return?	Vol Cement Ret (bbl)
Fluid Description 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		Fluid Type Tail	Amount (sacks) 475	Class 50/50	Estimated Top (ftKB) 3,000.0

## Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing		5/1/2014		3,896.1				
Tubing	119	2 7/8	2.441	6.50	J-55	3,867.91	12.0	3,879.9
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	3,879.9	3,881.0
On-Off Tool	1	2 7/8	2.441			1.84	3,881.0	3,882.9
Packer	1	5 1/2	4.950			6.93	3,882.9	3,889.8
Cross Over	1	2 7/8	1.991			0.54	3,889.8	3,890.3
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.10	3,890.3	3,894.4
Profile Nipple	1	2 3/8	1.875		N-80	1.22	3,894.4	3,895.6
Wireline Guide	1	2 3/8	1.991			0.50	3,895.6	3,896.1

## Rod Strings

Rod Description		Run Date		Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

## Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
5	GB-4, <idrecwellbore>	3,925	3,928	3	120	0.340	4/28/2014
5	GB-4, <idrecwellbore>	3,930	3,934	3	120	0.340	4/28/2014
3	GB6, Original Hole	3,984	4,001	4		0.460	10/24/2005
4	C-Sand, <idrecwellbore>	4,644	4,647	3	120	0.340	4/28/2014
2	A3, Original Hole	4,946	4,965	4		0.460	10/24/2005
1	LODC, Original Hole	5,074	5,083	4		0.460	10/18/2005

## Stimulations &amp; Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	3,200						
2	1,950						
3	1,820						
4	1,960	0.866	20.3	4,635	354	375	354
5	2,002	0.953	21.7	4,243	287	318	287

**NEWFIELD****Newfield Wellbore Diagram Data  
Federal 16-13-9-16**

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1	55,032	Proppant White Sand 55032 lb
2	100,665	Proppant White Sand 100665 lb
3	93,364	Proppant White Sand 93364 lb
4	18,700	Main White Sand 18700 lbs
5	28,420	Main White Sand 28420 lbs

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection 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 16-13-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013326470000
<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> 0656 FSL 0661 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE 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: 6/6/2014	<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
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	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 8:45 AM on  
06/06/2014.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
June 11, 2014

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/9/2014	

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

December 11, 2013

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 #16-13-9-16  
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 #16-13-9-16 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,

Jill L Loyle  
Regulatory Associate

**RECEIVED**

**DEC 12 2013**

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

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #16-13-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-64805**  
**DECEMBER 11, 2013**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #16-13-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #8-13-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #9-13-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #9-13T-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #10-13-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #14-13-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #15-13-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #3-19-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #1-24-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #2-24-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – BELUGA FEDERAL #11-18-9-17
ATTACHMENT E-11	WELLBORE DIAGRAM – BELUGA FEDERAL #12-18-9-17
ATTACHMENT E-12	WELLBORE DIAGRAM – BELUGA FEDERAL #13-18-9-17
ATTACHMENT E-13	WELLBORE DIAGRAM – BELUGA FEDERAL #14-18-9-17
ATTACHMENT E-14	WELLBORE DIAGRAM – FRED MORRIS #19-1-9-17
ATTACHMENT E-15	WELLBORE DIAGRAM – GMBU #Q-18-9-17
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 10/19/2005 – 10/27/2005
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Federal 16-13-9-16

Spud Date: 8-29-05  
 Put on Production: 10-26-05  
 GL: 5528' KB: 5539'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.57')  
 DEPTH LANDED: 313.42' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

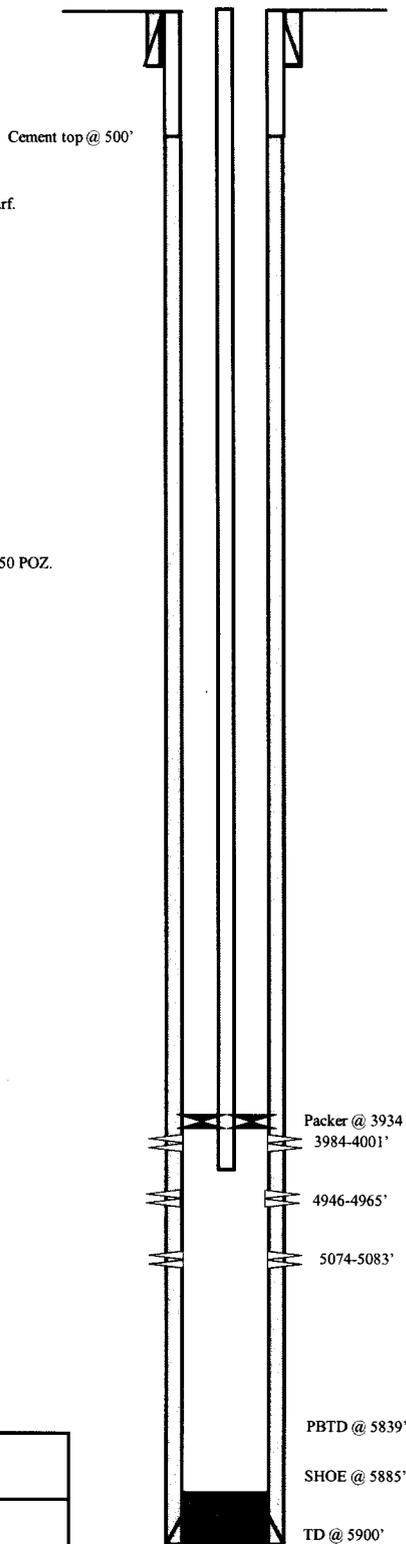
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5871.95')  
 DEPTH LANDED: 5885.2' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 500'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 155 jts (5049.63')  
 TUBING ANCHOR: 5049.63'  
 NO. OF JOINTS: 1 jts (32.50')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5084.93'  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5147.85'

### FRAC JOB

10-24-05	5074-5083'	<b>Frac LODC sands as follows:</b> 55032# 20/40 sand in 529 bbls Lightning 17 frac fluid. Treated @ avg press of 2738 psi w/avg rate of 25.1 BPM. ISIP 3200 psi. Calc flush: 5072 gal. Actual flush: 4830 gal.
10-24-05	4946-4965'	<b>Frac A3 sands as follows:</b> 100665# 20/40 sand in 716 bbls Lightning 17 frac fluid. Treated @ avg press of 1750 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc flush: 4944 gal. Actual flush: 4654 gal.
10-24-05	3984-4001'	<b>Frac GB6 sands as follows:</b> 93364# 20/40 sand in 1820 bbls Lightning 17 frac fluid. Treated @ avg press of 1598 psi w/avg rate of 25.2 BPM. ISIP 1820 psi. Calc flush: 3982 gal. Actual flush: 3906 gal.
7-30-07		Pump change. Updated rod & tubing detail.



### PERFORATION RECORD

10-18-05	5074-5083'	4 JSPF	36 holes
10-24-05	4946-4965'	4 JSPF	76 holes
10-24-05	3984-4001'	4 JSPF	68 holes

<b>NEWFIELD</b>
<b>Federal 16-13-9-16</b>
656' FSL & 661' FEL
SE/SE Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-32647 ; 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 #16-13-9-16 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 #16-13-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3777' - 5839'). 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 3463' and the TD is at 5900'.
  
  - 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #16-13-9-16 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 313' KB, and 5-1/2", 15.5# casing run from surface to 5885' 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.

**2.8 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 1794 psig.

**2.9 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 #16-13-9-16, for existing perforations (3984' - 5083') calculates at 0.89 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 1794 psig. We may add additional perforations between 3463' and 5900'. See Attachments G and G-1.

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

In the Federal #16-13-9-16, the proposed injection zone (3777' - 5839') 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.

**2.11 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-15.

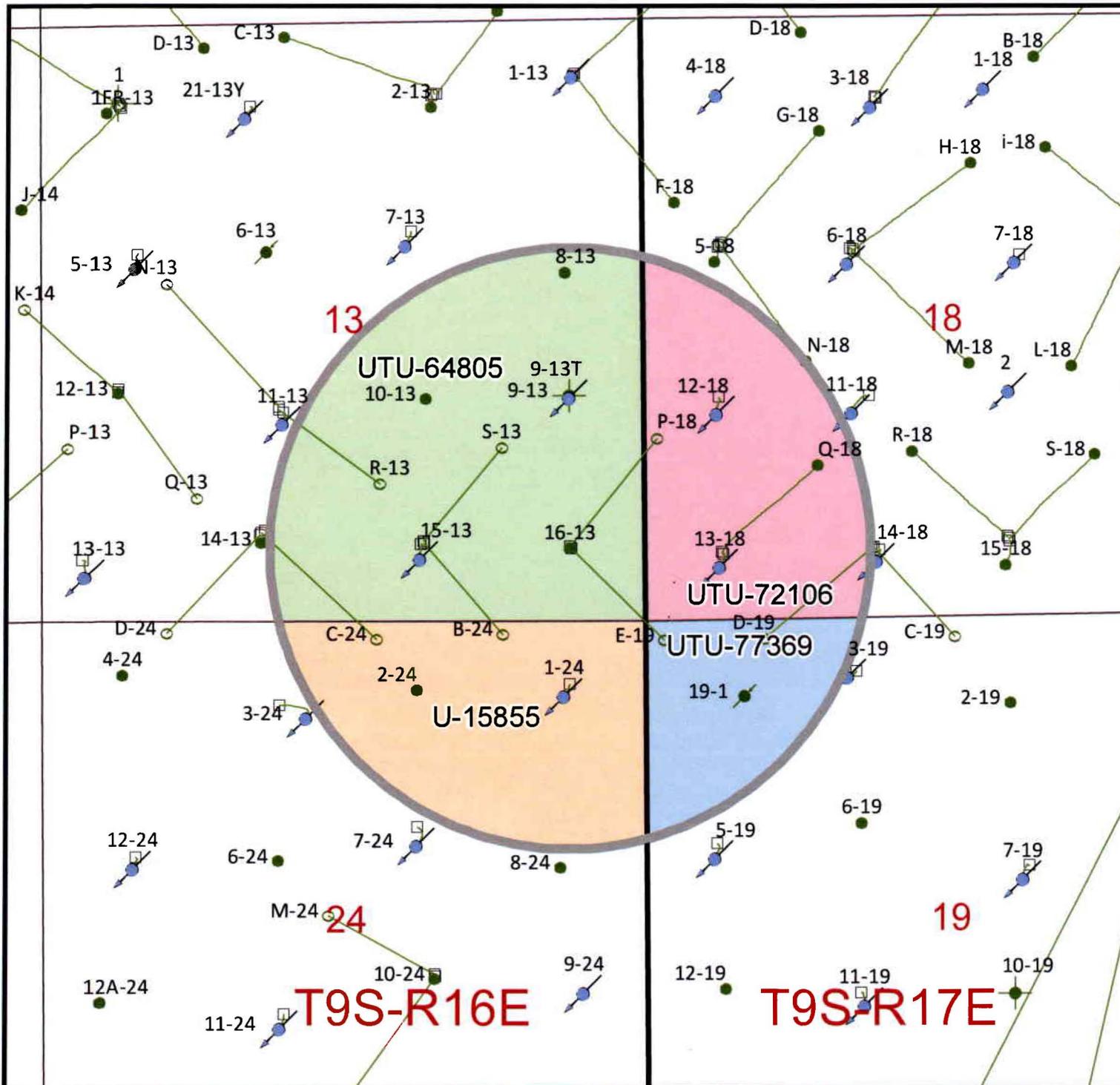
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

**2.12 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.

**2.13 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.



**Lease Number**

- U-15855
- UTU-64805
- UTU-72106
- UTU-77369

**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
- Well Surface Location

Federal 16-13-9-16  
Section 13, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS<sup>1 in = 1,250 feet</sup>

**1/2 Mile Radius Map**  
Duchesne County

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

Nov. 7, 2013



**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
3	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
3	T9S-R17E SLM Section 19: ALL Section 20: S2NE, W2, SE	USA UTU-77369 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R17E SLM Section 7: E2SW, SE Section 17: N2, W2SE Section 18: NENE, S2NE, E2W2, NESE, S2SE Lots 1,2,3,4	USA UTU-72106 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

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

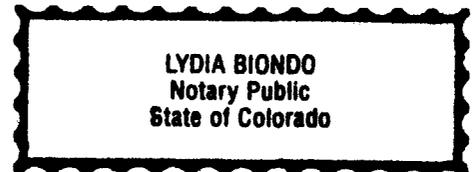
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Jill I. Loyle  
Newfield Production Company  
Jill I. Loyle  
Regulatory Associate

Sworn to and subscribed before me this 11<sup>th</sup> day of December, 2013.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15



## Federal 16-13-9-16

Spud Date: 8-29-05  
 Put on Production: 10-26-05  
 GL: 5528' KB: 5539'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.57')  
 DEPTH LANDED: 313.42' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

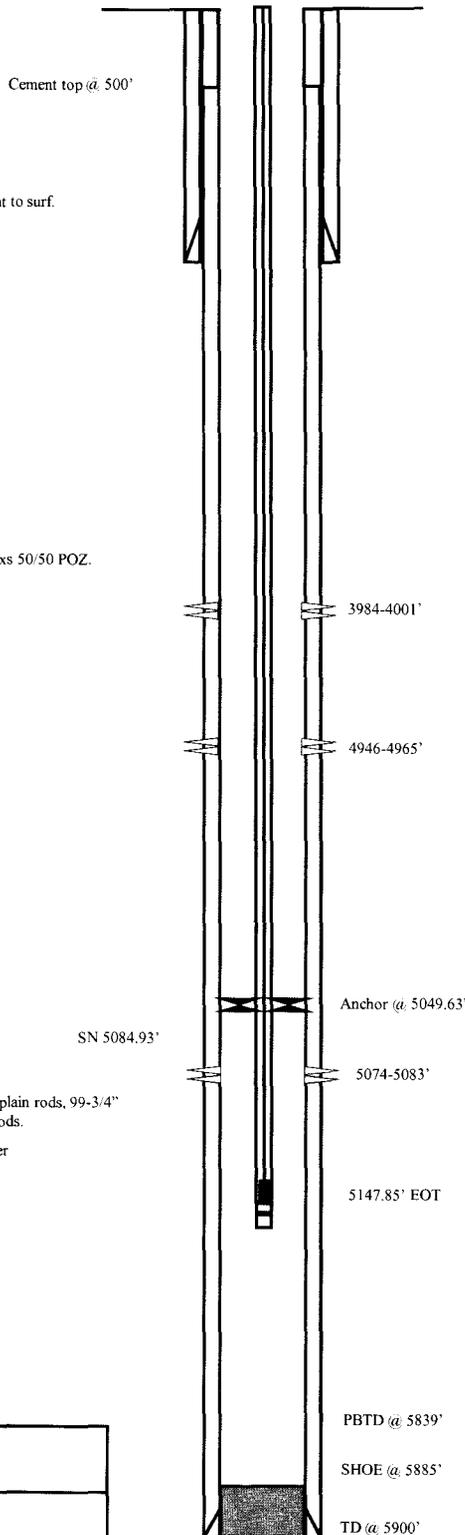
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5871.95')  
 DEPTH LANDED: 5885.2' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 500'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 155 jts (5049.63')  
 TUBING ANCHOR: 5049.63'  
 NO. OF JOINTS: 1 jts (32.50')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5084.93'  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5147.85'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2", 4", 8" x 3/4" pony subs, 87-3/4" plain rods, 99-3/4" scraped 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, 4.5 SPM



### FRAC JOB

10-24-05	5074-5083'	<b>Frac LODC sands as follows:</b> 55032# 20/40 sand in 529 bbls Lightning 17 frac fluid. Treated @ avg press of 2738 psi w/avg rate of 25.1 BPM. ISIP 3200 psi. Calc flush: 5072 gal. Actual flush: 4830 gal.
10-24-05	4946-4965'	<b>Frac A3 sands as follows:</b> 100665# 20/40 sand in 716 bbls Lightning 17 frac fluid. Treated @ avg press of 1750 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc flush: 4944 gal. Actual flush: 4654 gal.
10-24-05	3984-4001'	<b>Frac GB6 sands as follows:</b> 93364# 20/40 sand in 1820 bbls Lightning 17 frac fluid. Treated @ avg press of 1598 psi w/avg rate of 25.2 BPM. ISIP 1820 psi. Calc flush: 3982 gal. Actual flush: 3906 gal.
7-30-07		Pump change. Updated rod & tubing detail.

### PERFORATION RECORD

10-18-05	5074-5083'	4 JSPF	36 holes
10-24-05	4946-4965'	4 JSPF	76 holes
10-24-05	3984-4001'	4 JSPF	68 holes

**NEWFIELD**

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**Federal 16-13-9-16**  
 656' FSL & 661' FEL  
 SE/SE Section 16-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32647 ; 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

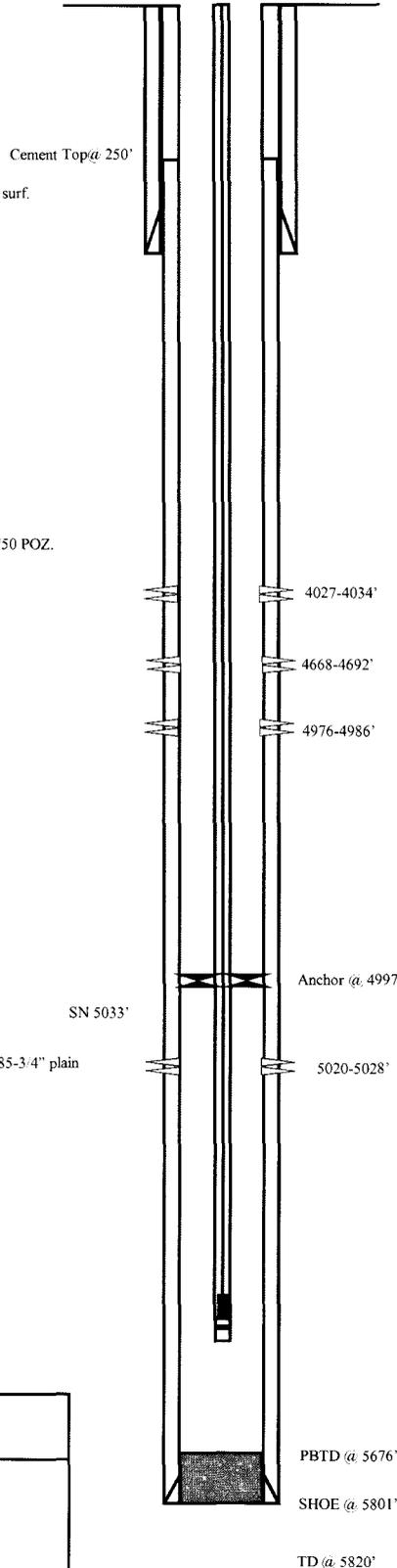
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4' x 3/4" pony rod, 99-3/4" scraped rods, 85-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM:

#### 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

Date	Interval	JSPF	Holes
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

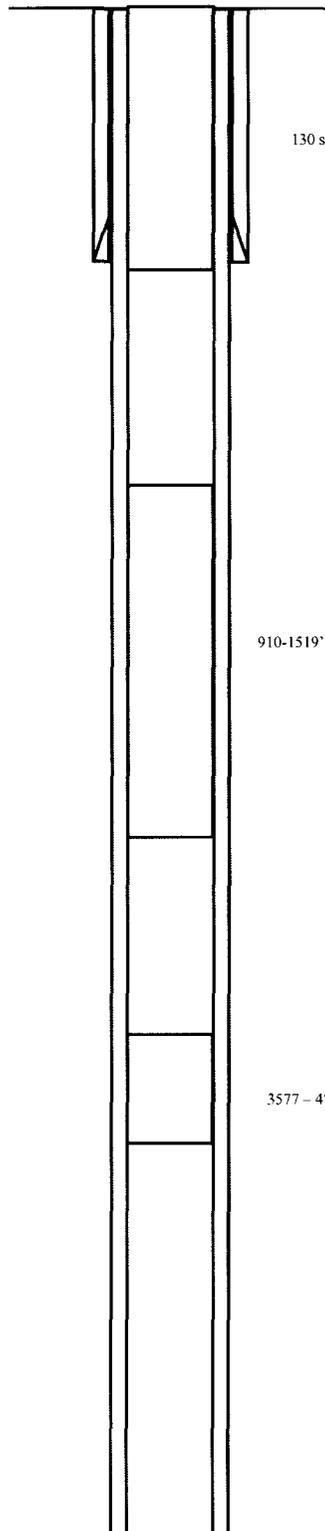
Spud Date: 8/31/05  
Plugged Date: 9/22/05

## 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/395 sks of class "G" cement

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

PLUGGING PROCEDURE



**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 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

Injection Wellbore  
 Diagram

### SURFACE CASING

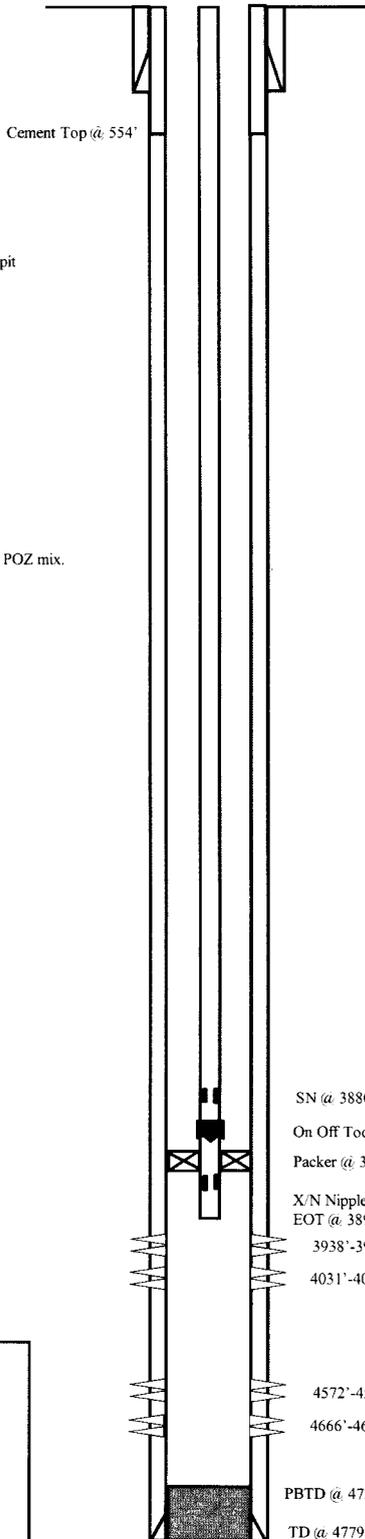
CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (310.06')  
 DEPTH LANDED: 320.06' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

### 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: 117 jts (3870.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3880.3' KB  
 ON/OFF TOOL AT: 3881.4'  
 ARROW #1 PACKER CE AT: 3886.58'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3890.4'  
 TBG PUP 2-3/8 J-55 AT: 3891'  
 X/N NIPPLE AT: 3895.1'  
 TOTAL STRING LENGTH: EOT @ 3896.63'



### FRAC JOB

12/16/05 4666'-4674'	<b>Frac C sands as follows:</b> 68,278#s of 20/40sand 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'	<b>Frac D2 sands as follows:</b> 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'	<b>Frac GB6 sands as follows:</b> 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'	<b>Frac GB4 sands as follows:</b> 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	<b>Pump Change.</b> Rod & Tbg Detail Updated.
08/23/13	<b>Convert to Injection Well</b>
08/27/13	<b>Conversion MIT Finalized</b> - update tbg detail

### 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



**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

## 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

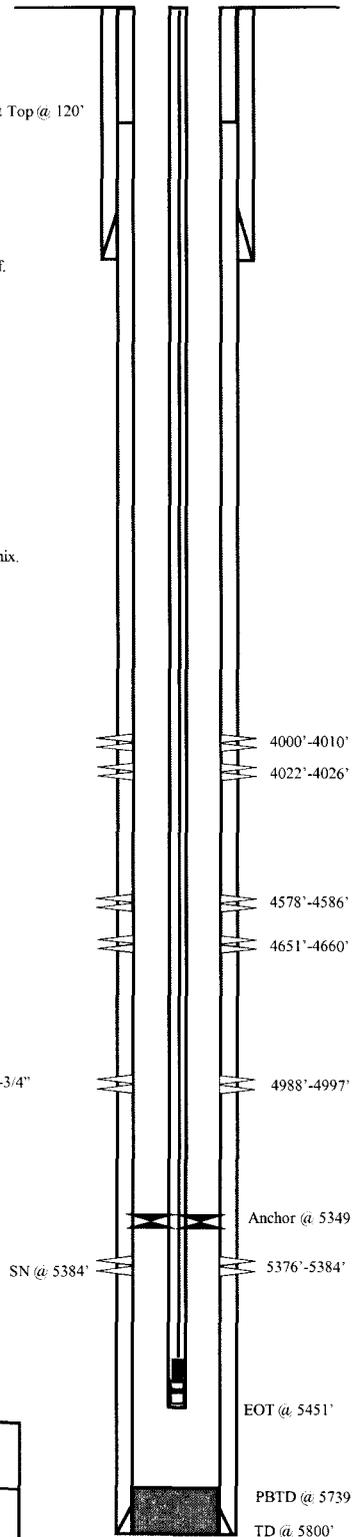
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5786.4')  
 DEPTH LANDED: 5784.4' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.  
 CEMENT TOP AT: 120'

#### 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' **Frac CP1 sands as follows:**  
 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' **Frac LODC sands as follows:**  
 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' **Frac D2 & C sands as follows:**  
 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' **Frac GB6 sands as follows:**  
 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

Date	Interval	Tool	Holes
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

## Federal 14-13-9-16

Spud Date: 8-16-05  
 Put on Production: 10-21-05  
 GL: 5581' KB: 5592'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.26')  
 DEPTH LANDED: 313.11' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

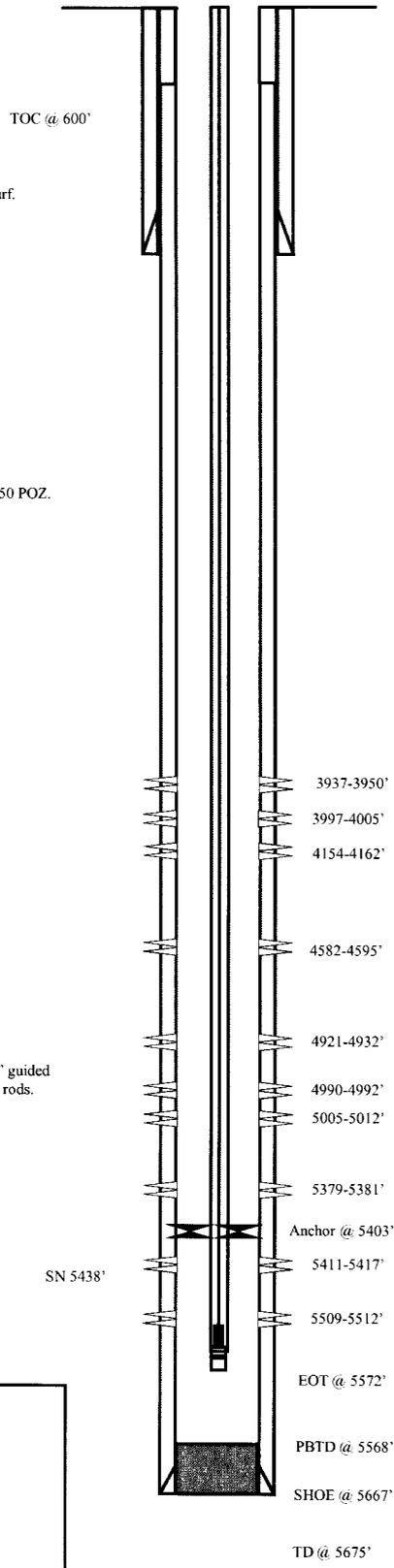
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 127 jts. (5656.84')  
 DEPTH LANDED: 5667.49' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 600'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts (5391')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (32.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5438.4' KB  
 NO. OF JOINTS: 1 jts (31.5')  
 GAS ANCHOR: 5471'  
 NO OF JOINTS: 3 jts (95.2')  
 TOTAL STRING LENGTH: EOT @ 5572' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1 - 2", 1-4", 1 - 12' x 3/4" pony sub, 113-3/4" guided rods, 80-3/4" sucker rods, 10-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-3/4" x 20" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM



### FRAC JOB

10-06-05 4921-4932' **Frac A1 sands as follows:**  
 38723# 20/40 sand in 208 bbls Lightning 17 frac fluid. Treated @ avg press of 3220 psi w/avg rate of 14.2 BPM. ISIP 2060 psi. Actual flush: 1176 gal.

10-19-05 4582-4595' **Frac D2 sands as follows:**  
 75389# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Actual flush: 4376 gal.

10-19-05 4154-4162' **Frac PB8 sands as follows:**  
 29831# 20/40 sand in 340 bbls Lightning 17 frac fluid. Treated @ avg press of 2398 psi w/avg rate of 14.3 BPM. ISIP 2925 psi. Actual flush: 3898 gal.

10-19-05 3937-4005' **Frac GB4 sands as follows:**  
 60097# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 1420 psi w/avg rate of 14.4 BPM. ISIP 1590 psi. Actual flush: 3864 gal.

11-09-10 5379-5512' **Frac CP1, CP2, & CP3 sands as follows:**  
 13388# 20/40 sand in 123 bbls Lightning 17 fluid.

11-09-10 4990-5012' **Frac A3 sands as follows:** 22961# 20/40 sand in 207 bbls Lightning 17 fluid.

11-11-10 **Re-Completion** - updated detail

11/12/2010

### PERFORATION RECORD

Date	Interval	Number of Holes
10-04-05	4921-4932'	4 JSFP 44 holes
10-19-05	4582-4895'	4 JSFP 52 holes
10-19-05	4154-4162'	4 JSFP 32 holes
10-19-05	3937-3950'	4 JSFP 52 holes
10-19-05	3997-4005'	4 JSFP 32 holes
11-09-10	5509-5512'	3 JSFP 9 holes
11-09-10	5411-5417'	3 JSFP 18 holes
11-09-10	5379-5381'	3 JSFP 6 holes
11-09-10	5005-5012'	3 JSFP 21 holes
11-09-10	4990-4992'	3 JSFP 6 holes



**Federal 14-13-9-16**  
 819' FSL & 1940' FWL  
 SE/SW Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32649; Lease #UTU-64805

Spud Date: 10-18-05  
 Put on Production: 12-05-05  
 GL: 5553' KB: 5565'

## Federal 15-13-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (308.61')  
 DEPTH LANDED: 320.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 3 bbls cmt to surf.

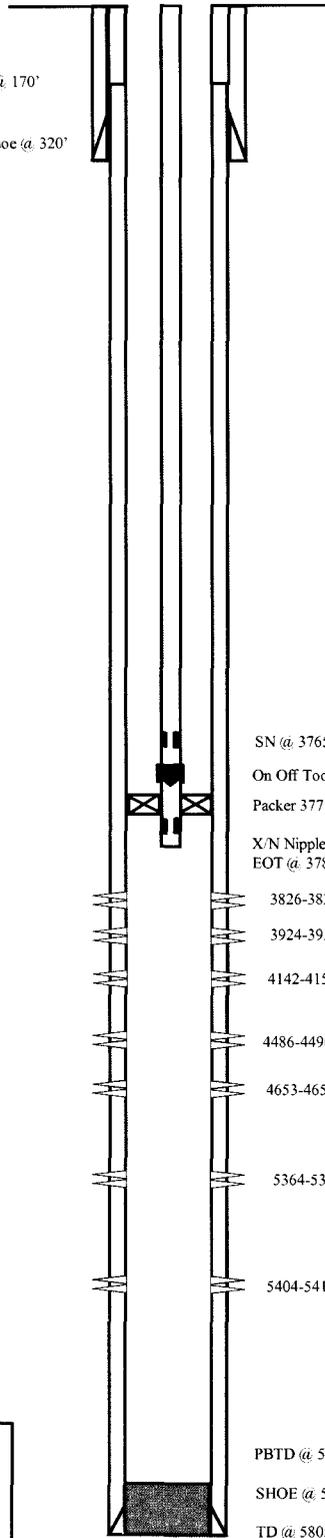
#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5777.86')  
 DEPTH LANDED: 5791.11' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 170'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 120 jts (3754.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3764.9' KB  
 ON/OFF TOOL AT: 3766'  
 ARROW #1 PACKER CE AT: 3771.25'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3775.5'  
 TBG PUP 2-3/8 J-55 AT: 3775.5'  
 X/N NIPPLE AT: 3779.7'  
 TOTAL STRING LENGTH: EOT @ 3781'

Cement top @ 170'  
 Casing Shoe @ 320'



#### FRAC JOB

11-30-05	5364-5410'	<b>Frac CP2, &amp; CP1 sands as follows:</b> 44747# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5362 gal. Actual flush: 5376 gal.
12-01-05	4653-4659'	<b>Frac C sands as follows:</b> 19588# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2290 psi w/avg rate of 24.7 BPM. ISIP 2850 psi. Calc flush: 4651 gal. Actual flush: 4702 gal.
12-01-05	4486-4490'	<b>Frac D1 sands as follows:</b> 19605# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4946 gal. Actual flush: 4494 gal.
12-01-05	4142-4156'	<b>Frac PB8 sands as follows:</b> 58778# 20/40 sand in 546 bbls Lightning 17 frac fluid. Treated @ avg press of 2383 w/ avg rate of 14.2 BPM. ISIP 3200 psi. Calc flush: 3140 gal. Actual flush: 4200 gal.
12-01-05	3924-3938'	<b>Frac GB4 sands as follows:</b> 30034# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 1314 w/ avg rate of 14.2 BPM. ISIP 1500 psi. Calc flush: 3922 gal. Actual flush: 3864 gal.
06-16-06		<b>Pump change:</b> Update rod and tubing details.
12-15-06		<b>Pump Change:</b> Updated rod and tubing detail.
11/18/08		<b>Pump Change:</b> Updated rod & tubing details.
2/21/2010		<b>Tubing Leak:</b> Updated rod and tubing detail.
12/13/10	3826-3836'	<b>Frac GB2 sands as follows:</b> 28786# 20/40 sand in 173 bbls Lightning 17 fluid.
12/14/10		<b>Re-Completion finalized</b> - updated tbg and rod detail.
10/17/12		<b>Convert to Injection Well</b>
10/18/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

Date	Depth Range	Number of Holes	ISIP	ISPF
11-18-05	5404-5410'	4	JSPF	24 holes
11-18-05	5364-5372'	4	JSPF	32 holes
11-30-05	4653-4659'	4	JSPF	24 holes
12-01-05	4486-4490'	4	JSPF	16 holes
12-01-05	4142-4156'	4	JSPF	56 holes
12-01-05	3924-3938'	4	JSPF	56 holes
12-13-10	3826-3828'	3	JSPF	30 holes

**NEWFIELD**

**Federal 15-13-9-16**

695' FSL & 1972' FEL

SW/SE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32648; Lease #UTU-64805

Spud Date: 08/30/07  
 Put on Production: 10/15/07  
 GL: 5527' KB: 5539'

## FEDERAL 3-19-9-17

### Injection Wellbore Diagram

#### SURFACE CASING

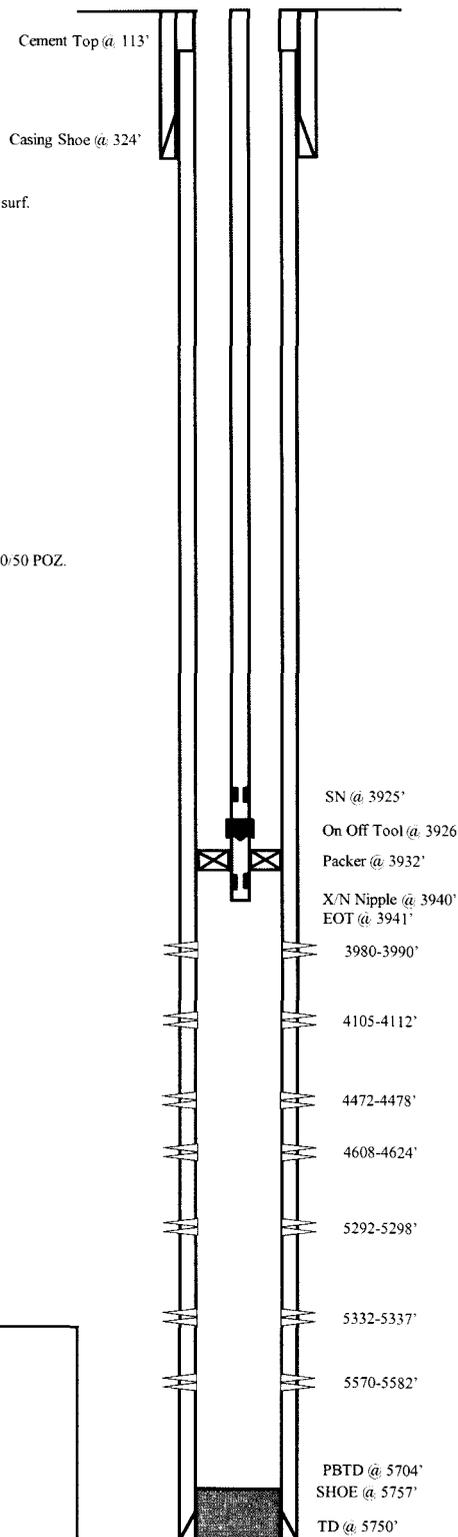
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.48')  
 DEPTH LANDED: 324.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (5743.28')  
 DEPTH LANDED: 5756.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite H mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 113'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 127 jts (3913.1')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 3925.1' KB  
 ON/OFF TOOL AT: 3926.2'  
 ARROW #1 PACKER CE AT: 3932'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3935.5'  
 TBG PUP 2-3/8 J-55 AT: 3935.5'  
 X/N NIPPLE AT: 3939.6'  
 TOTAL STRING LENGTH: EOT @ 3941.2'



#### FRAC JOB

10/10/07	5570-5582'	<b>Frac CP5 sands as follows:</b> 35225# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1942 psi w/avg rate of 24.8 BPM. ISIP 2019 psi. Calc flush: 5755 gal. Actual flush: 5061 gal.
10/10/07	5292-5337'	<b>Frac CP.5 &amp; CP1 sands as follows:</b> 25321# 20/40 sand in 254 bbls Lightning 17 frac fluid. Treated @ avg press of 2390 psi w/avg rate of 19.9 BPM. ISIP 2054 psi. Calc flush: 5290 gal. Actual flush: 4704 gal.
10/10/07	4472-4478'	<b>Frac D1 sands as follows:</b> 15151# 20/40 sand in 254 bbls Lightning 17 frac fluid. Treated @ avg press of 2012 psi w/avg rate of 24.8 BPM. ISIP 1759 psi. Calc flush: 4470 gal. Actual flush: 3885 gal.
10/10/07	4105-4112'	<b>Frac PB7 sands as follows:</b> 25019# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2423 psi w/avg rate of 24.8 BPM. ISIP 3008 psi. Calc flush: 4103 gal. Actual flush: 3608 gal.
10/10/07	3980-3990'	<b>Frac GB6 sands as follows:</b> 41613# 20/40 sand in 410 bbls Lightning 17 frac fluid. Treated @ avg press of 1648 psi w/avg rate of 24.8 BPM. ISIP 1770 psi. Calc flush: 3980 gal. Actual flush: 3898 gal
6/16/08		<b>HIT.</b> Rod & tubing updated.
03/25/13	4608-4624'	<b>Frac C sands as follows:</b> 22769# 20/40 sand in 222 bbls Lightning 17 frac fluid.
03/26/13		<b>Convert to Injection Well</b>
03/26/13		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

10/10/07	5570-5582'	4 JSPF	48 holes
10/10/07	5332-5337'	4 JSPF	20 holes
10/10/07	5292-5298'	4 JSPF	24 holes
10/10/07	4472-4478'	4 JSPF	24 holes
10/10/07	4105-4112'	4 JSPF	28 holes
10/10/07	3980-3990'	4 JSPF	40 holes
03/22/13	4608-4624'	3 JSPF	48holes



**NEWFIELD**

**FEDERAL 3-19-9-17**  
 454' FNL & 1851' FWL  
 NE/NW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33190; Lease # UTU-77369

## Federal 1-24-9-16

Spud Date: 10-10-07  
 Put on Production: 11-5-07  
 GL: 5535' KB: 5547'

### Injection Wellbore Diagram

#### SURFACE CASING

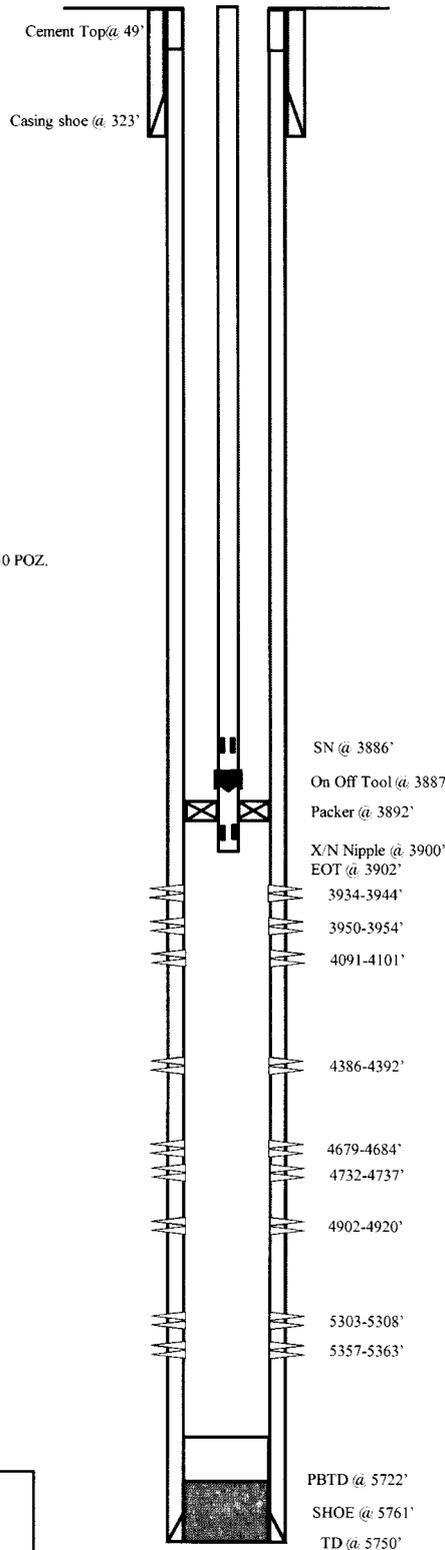
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.69')  
 DEPTH LANDED: 323.45'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (55748.15')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5761.4'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (3886.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3886' KB  
 ON/OFF TOOL AT: 3887.2'  
 ARROW #1 PACKER CE AT: 3892'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3895.9'  
 TBG PUP 2-3/8 J-55 AT: 3896.4'  
 X/N NIPPLE AT: 3900.5'  
 TOTAL STRING LENGTH: EOT @ 3902'



#### FRAC JOB

10-31-07 5303-5363' **Frac CP 1&2 sands as follows:**  
 Frac with 14554# 20/40 sand in 285 bbls  
 Lightning 17 fluid. Treat at 2420 psi @  
 24.8 BPM. ISIP 2020 psi.

10-31-07 4902-4920' **Frac A3 sands as follows:**  
 Frac with 89906# 20/40 sand in 691 bbls  
 Lightning 17 fluid. Treat at 2070psi @  
 24.8 BPM. ISIP 1785psi.

10-31-07 4386-4392' **Frac DS3 sands as follows:**  
 Frac with 25051# 20/40 sand in 339  
 bbls Lightning 17 fluid. Treat at 21300psi  
 @ 24.8 BPM. ISIP 1920 psi.

10-31-07 4091-4101' **Frac PB8 sand as follows:**  
 Frac with 62099# 20/40 sand in 499  
 bbls Lightning 17 fluid. Treat at 2028 psi  
 @ 24.8 BPM. ISIP 2110 psi.

11/26/12 3934-3954' **Frac GB6 sand as follows:**  
 Frac with 39227# 20/40 sand in 429 bbls  
 Lightning 17 fluid.

11/27/2012 **Convert to Injection Well**

11/29/2012 **Conversion MIT Finalized - update tbg  
 detail**

#### PERFORATION RECORD

4091-4101'	4 JSPF	40 holes
4386-4392'	4 JSPF	24 holes
4679-4684'	4 JSPF	20 holes
4732-4737'	4 JSPF	20 holes
4902-4920'	4 JSPF	72 holes
5303-5308'	4 JSPF	20 holes
5357-5363'	4 JSPF	24 holes
3934-3944'	3 JSPF	30 holes 11/21/12
3950-3954'	3 JSPF	12 holes 11/21/12

**NEWFIELD**



**Federal 1-24-9-16**  
 537' FNL & 671' FEL  
 NENE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33082; Lease #UTU-15855

## FEDERAL 2-24-9-16

Spud Date: 10/11/07  
 Put on Production: 10/16/07  
 GL: 5559' KB: 5571'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.63')  
 DEPTH LANDED: 322.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 148 jts. (5720.99')  
 DEPTH LANDED: 5734.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 40'

### TUBING

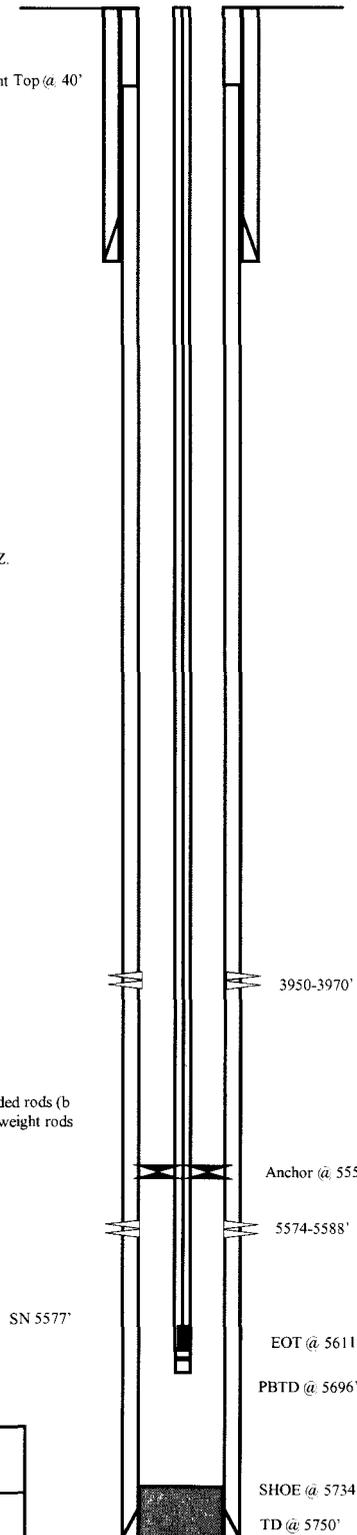
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5543.7')  
 TUBING ANCHOR: 5555.65' KB  
 NO. OF JOINTS: 1 jts (30.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5577.4' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 2 7/8" NC (.45')  
 TOTAL STRING LENGTH: EOT @ 5611' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-8", 2-12", 1-2", 2-6' x 3/4" pony rods, 100-3/4" guided rods (b grd), 76-3/4" plain rods (b grd), 20-3/4" guided rods (a grd), 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC rod pump  
 STROKE LENGTH: 76"  
 PUMP SPEED, 4.5 SPM:

### FRAC JOB

11/09/07	5574-5588'	<b>Frac CP5 sands as follows:</b> 75968# 20/40 sand in 619 bbls Lightning 17 frac fluid. Treated @ avg press of 1986 psi w/avg rate of 23.2 BPM. ISIP 2173 psi. Calc flush: 5572 gal. Actual flush: 4998 gal.
11/09/07	3950-3970'	<b>Frac GB6 sands as follows:</b> 151571# 20/40 sand in 1011 bbl Lightning 17 frac fluid. Treated @ avg press of 1593 psi w/avg rate of 23.1 BPM. ISIP 1775 psi. Calc flush: 3948 gal. Actual flush: 3864 gal.
05/29/08		Pump change. Updated rod and tubing detail
6/11/08		pump change. Updated rod and tubing detail
2/4/2011		Pump Change. Update rod and tubing details.



### PERFORATION RECORD

11/09/07	5574-5588'	4 JSPF	56 holes
11/09/07	3950-3970'	4 JSPF	80 holes



**FEDERAL 2-24-9-16**  
 595' FNL & 2010' FEL  
 NW/NE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33083; Lease # UTU-15855

## BELUGA FEDERAL 11-18-9-17

Spud Date: 07/03/07  
 Put on Production: 08/20/07  
 GL: 5471' KB: 5483'

Injection Wellbore  
 Diagram

**SURFACE CASING**

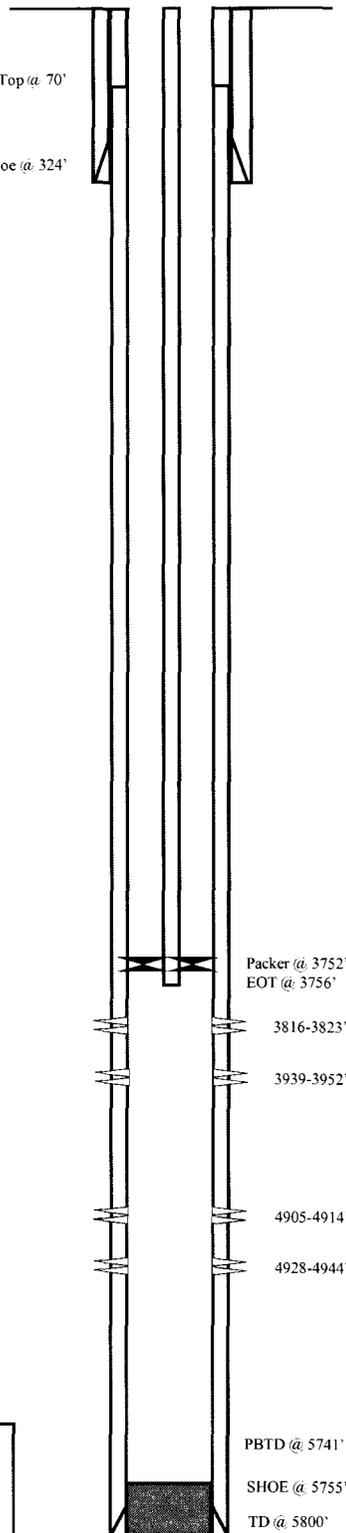
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.87')  
 DEPTH LANDED: 323.72' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (5741.52')  
 DEPTH LANDED: 5754.77' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 70'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 117 jts (3736')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3748' KB  
 CE @ 3752'  
 TOTAL STRING LENGTH: EOT @ 3756' KB



**FRAC JOB**

08/15/07	4905-4944'	<b>Frac A1 &amp; A3 sands as follows:</b> 80231# 20/40 sand in 629 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 24.8 BPM. ISIP 1965 psi. Calc flush: 4903 gal. Actual flush: 4050 gal.
08/15/07	3939-3952'	<b>Frac GB4 sands as follows:</b> 69499# 20/40 sand in 560 bbls Lightning 17 frac fluid. Treated @ avg press of 1746 psi w/avg rate of 24.8 BPM. ISIP 1660 psi. Calc flush: 3937 gal. Actual flush: 3431 gal.
08/15/07	3816-3823'	<b>Frac X-stray sands as follows:</b> 19706# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1864 psi w/avg rate of 24.8 BPM. ISIP 1575 psi. Calc flush: 3814 gal. Actual flush: 3738 gal.
4/15/09		<b>Pump Change.</b> Updated r & t details.
3/2/12		<b>Convert to Injection Well</b>
3/7/12		<b>Conversion MIT Finalized</b> – update tbg detail

**PERFORATION RECORD**

08/02/07	4928-4944'	4 JSPF	64 holes
08/02/07	4905-4914'	4 JSPF	36 holes
08/20/07	3939-3952'	4 JSPF	52 holes
08/20/07	3816-3823'	4 JSPF	28 holes



**NEWFIELD**

**BELUGA FEDERAL 11-18-9-17**

1970'FSL & 1980' FWL  
 NE/SW Section 18-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-32812; Lease # UTU-72106

## Beluga Federal 12-18-9-17

Spud Date: 6-28-07  
 Put on Production: 8-6-07  
 GL: 5486' KB: 5498'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.61')  
 DEPTH LANDED: 324.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

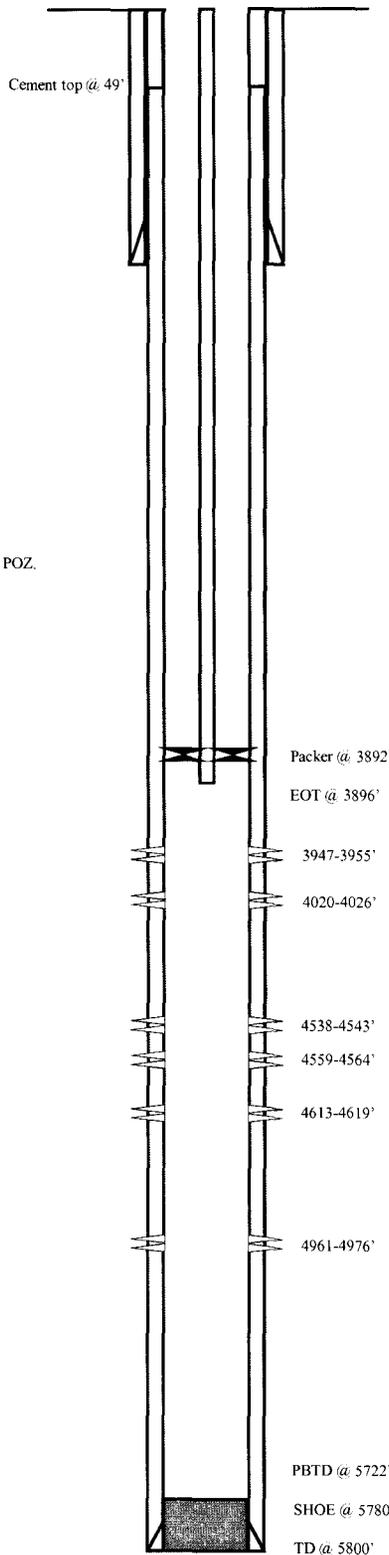
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5767.15')  
 DEPTH LANDED: 5780.40' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (3875.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3887.2' KB  
 CE @ 3891.61'  
 TOTAL STRING LENGTH: EOT @ 3896' KB

### Injection Wellbore Diagram



### FRAC JOB

08-02-07	4961-4976'	<b>Frac A3 sands as follows:</b> 95488# 20/40 sand in 741 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4959 gal. Actual flush: 4452 gal.
08-02-07	4538-4619'	<b>Frac D3, D2, &amp; D1 sands as follows:</b> 27607# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 25 BPM. ISIP 1830 psi. Calc flush: 4536 gal. Actual flush: 4032 gal.
08-02-07	3947-3955'	<b>Frac GB4 sands as follows:</b> 32767# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 1927 psi w/avg rate of 24.9 BPM. ISIP 1588 psi. Calc flush: 3945 gal. Actual flush: 3864 gal.
6-28-10	4020-4026'	<b>Frac GB6 sands as follows:</b> 8754# 20/40 sand in 81 bbls Lightning 17 frac fluid.
6-29-10		<b>Convert to Injection well</b>
7-7-10		<b>MIT completed</b> -tbg detail updated

### PERFORATION RECORD

07-27-07	4961-4976'	4 JSPF	60 holes
08-02-07	4613-4619'	4 JSPF	24 holes
08-02-07	4559-4564'	4 JSPF	20 holes
08-02-07	4538-4543'	4 JSPF	20 holes
08-02-07	3947-3955'	4 JSPF	32 holes
06-28-10	4020-4026'	3 JSPF	18 holes

**NEWFIELD**

**Beluga Federal 12-18-9-17**

1974' FSL & 659' FWL  
 NW/SW Section 18-T9S-R17E  
 Duchesne Co. Utah  
 API # 43-013-32813; Lease # UTU-72106

## Beluga Federal 13-18-9-17

Spud Date: 7-2-07  
 Put on Production: 8-16-07  
 GL: 5512' KB: 5524'

### Injection Wellbore Diagram

#### SURFACE CASING

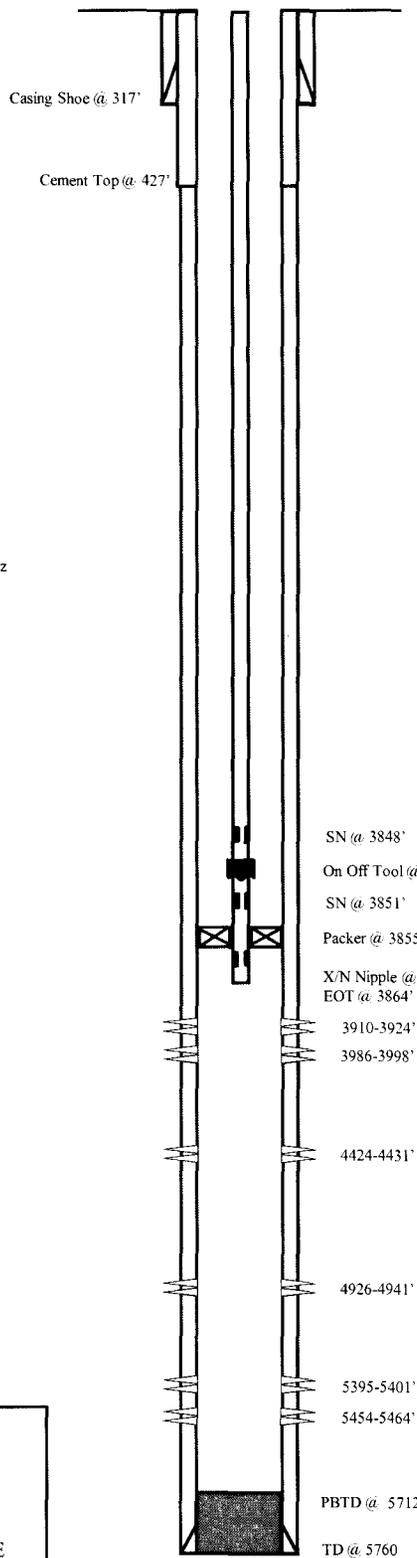
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (305.63')  
 DEPTH LANDED: 317.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5882.26')  
 DEPTH LANDED: 5761.83' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premilite II and 400 sx 50/50 Poz  
 CEMENT TOP: 427'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (3836')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3848' KB  
 ON/OFF TOOL AT: 3849.1'  
 SN LANDED AT: 3850.6'  
 ARROW #1 PACKER CE AT: 3854.9'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3857.9'  
 TBG PUP 2-3/8 J-55 AT: 3858.4'  
 X/N NIPPLE AT: 3862.5'  
 TOTAL STRING LENGTH: EOT @ 3864'



#### FRAC JOB

8/10/07 5395-5464' **RU BJ & frac stage #1 CP sds as follows:**  
 37,553#s of 20/40 sand in 452 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2070 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1915. Actual flush: 4914 gals.

8/10/07 4926-4941' **RU BJ & frac stage #2 as follows:**  
 84,916#s of 20/40 sand in 662 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1950 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1950. Actual flush: 4452 gals.

8/10/07 4424-4431' **RU BJ & frac stage #3 as follows:**  
 20,328#s of 20/40 sand in 300 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1723 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1580. Actual flush: 3948 gals.

8/10/07 3986-3998' **RU BJ & frac stage #4 as follows:**  
 74,537#s of 20/40 sand in 592 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1535 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1585. Actual flush: 3528 gals.

10/8/07 3910-3924' **RU BJ & frac stage #5 as follows:**  
 70,245#s of 20/40 sand in 574 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1572 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1485. Actual flush: 3822 gals.

10/29/08 **Pump Change.** Updated rod & tubing details.  
 3/31/10 **Pump maintenance.** Updated rod and tubing detail.  
 12/5/2010 **Pump Change.** Update rod and tubing details.  
 11/26/12 **Convert to Injection Well**  
 11/28/12 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

Date	Interval	Stages	Holes
8/10/07	3910-3924'	4 JSPF	56 holes
8/10/07	3986-3998'	4 JSPF	48 holes
8/10/07	4424-4431'	4 JSPF	28 holes
8/10/07	4926-4941'	4 JSPF	60 holes
8/10/07	5395-5401'	4 JSPF	24 holes
8/10/07	5454-5464'	4 JSPF	40 holes

### NEWFIELD

Beluga Federal 13-18-9-17  
 616' FSL and 678' FWL  
 SW/SW Section 18, Township 9S, Range 17E  
 Duchesne Co, Utah  
 API #43-013-32815 ; Lease #UTU-72106

## Beluga Federal 14-18-9-17

Spud Date: 07/05/07  
 Put on Production: 08/23/07  
 GL: 5419' KB: 5431'

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.00')  
 DEPTH LANDED: 312.85' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

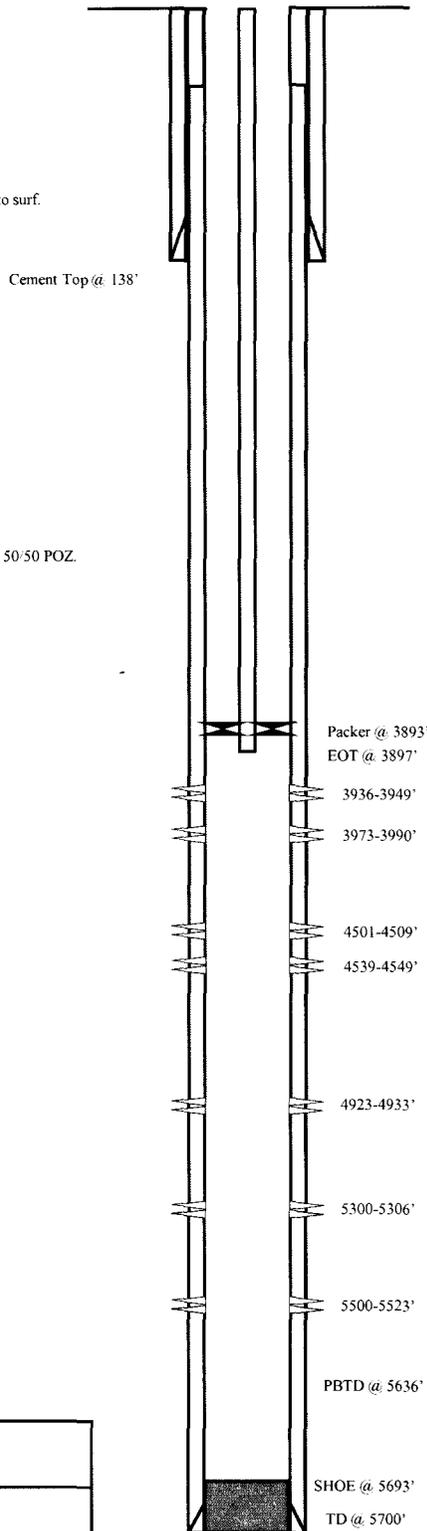
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts. (5678.95')  
 DEPTH LANDED: 5693.20' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 138'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 123 jts (3876.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3888.5' KB  
 CE @ 3893.06'  
 TOTAL STRING LENGTH: EOT @ 3897' KB

### Injection Wellbore Diagram



### FRAC JOB

08/20/07	5500-5523'	<b>Frac CP4 sands as follows:</b> 100035# 20/40 sand in 760 bbls Lightning 17 frac fluid. Treated @ avg press of 1733 psi w/avg rate of 24.7 BPM. ISIP 1940 psi. Calc flush: 5598 gal. Actual flush: 4994 gal.
08/20/07	5300-5306'	<b>Frac CP.5 sands as follows:</b> 15026# 20/40 sand in 281 bbls Lightning 17 frac fluid. Treated @ avg press of 2251 psi w/avg rate of 24.6 BPM. ISIP 2040 psi. Calc flush: 5298 gal. Actual flush: 4746 gal.
08/20/07	4923-4933'	<b>Frac A3 sands as follows:</b> 50000# 20/40 sand in 459 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 2.8 BPM. ISIP 1775 psi. Calc flush: 4921 gal. Actual flush: 4368 gal.
08/20/07	4501-4549'	<b>Frac D3 &amp; D2 sands as follows:</b> 120093# 20/40 sand in 863 bbls Lightning 17 frac fluid. Treated @ avg press of 1816 psi w/avg rate of 24.7 BPM. ISIP 1875 psi. Calc flush: 4499 gal. Actual flush: 3948 gal.
08/20/07	3936-3990'	<b>Frac GB4 &amp; GB6 sands as follows:</b> 141498# 20/40 sand in 990 bbls Lightning 17 frac fluid. Treated @ avg press of 1529 psi w/avg rate of 24.7 BPM. ISIP 1630 psi. Calc flush: 3934 gal. Actual flush: 3864 gal.
6/06/08		<b>Stuck pump.</b> Rod details updated.
09-09-10		<b>Convert to Injection well</b>
09-13-10		<b>MIT Completed -</b> tbg detail updated

### PERFORATION RECORD

08/15/07	5500-5523'	4 JSPF	92 holes
08/20/07	5300-5306'	4 JSPF	24 holes
08/20/07	4923-4933'	4 JSPF	40 holes
08/20/07	4539-4549'	4 JSPF	40 holes
08/20/07	4501-4509'	4 JSPF	32 holes
08/20/07	3973-3990'	4 JSPF	68 holes
08/20/07	3936-3949'	4 JSPF	52 holes

**NEWFIELD**

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**Beluga Federal 14-18-9-17**

613' FSL & 2056' FWL

SE/SW Section 18-T9S-R17E

Duchesne Co. Utah

API #43-013-32814; Lease # UTU-72106

## FRED MORRIS 19-1-9-17

Put on Production: 5-4-82

Spud Date: 10-20-81

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs cement cmt.

MARK SIZE	WEIGHT LB./FT.	DEPTH SET - FEET	BOSS SIZE	REMARKS	ASST'D BY
8-5/8"		288'	12"	20' SX W returns to sur.	TD
11"	9.5-155	5855	7-7/8"	212 SX Type 10" Discharge	
				O.W. Collar @ 2755', 1-28-82	

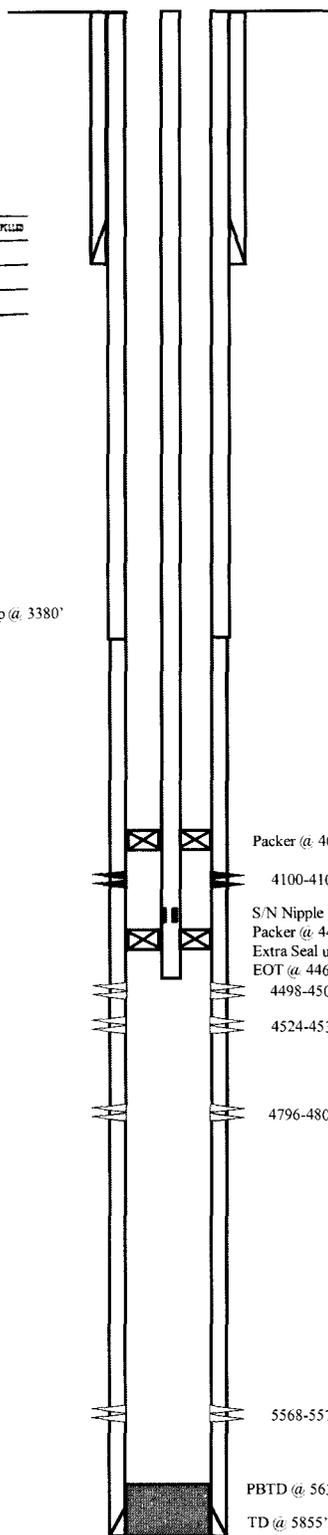
#### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 9.5#  
 LENGTH: ? jts. (5855')  
 SET AT: 5936  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 1272 sxs class G  
 CEMENT TOP AT ?

#### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 TBG HANGER AT: 13'  
 NO. OF JOINTS: 1 jt (32.2')  
 TBG PUP 2-3/8 J-55 AT: 45.7'  
 TBG PUP 2-3/8 J-55 AT: 57.7'  
 TBG PUP 2-3/8 J-55 AT: 65.7'  
 NO. OF JOINTS: 125 jts (4000.1')  
 ARROW #1 PACKER CE AT: 4070'  
 NO. OF JOINTS: 12 jts (387.2')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4461' KB  
 LOCATOR SUB AT: 4462.1'  
 ARROWDRILL PACKER AT: 4462.6'  
 EXTRA SEAL UNITS 4-1/2" AT: 4462.6  
 TOTAL STRING LENGTH: EOT @ 4466.78'

Cement Top @ 3380'  
 per CBL



#### FRAC JOB

Time AM/PM	Treating Pressure - Psi Tubing	Casing	Bbl Fluid Pumped	Inj. Rate BPM	REMARKS-
1:06	3200		902	25	Start 4 ppg 20/40.
1:09	3100		974	28	4 ppg 20/40 on formation.
1:09	3100		985	28	Start 4 ppg 10/20.
1:12	3100		1057	28	4 ppg 10/20 on formation.
1:12	3100		1068	28	All frac, start flush.
1:16	1800		1140	0	All flush, shut down.
					ISDP 1800 psi
					5 minute shut-in 1800 psi
					10 minute shut-in 1700 psi
					15 minute shut-in 1600 psi
					20 minute shut-in 1400 psi

11/08/12 Run CBL to find cement top  
 11/12/12 4100-4101' Perforate 4100 - 4101' to raise top of cement - cement squeeze into perfs  
 08/30/13 1 YR TA MIT - update tbg detail

#### PERFORATION RECORD

4498-4502' ? JSPF ? Holes  
 4534-4534' ? JSPF ? Holes  
 4796-4800' ? JSPF ? Holes  
 5568-5576' ? JSPF ? Holes  
 4100-4101' cement holes - raise TOC

**NEWFIELD**

FRED MORRIS 19-1-9-17  
 660' FNL & 860' FWL  
 NW/NW Section 19-T9S-R17E  
 Duchesne Co. Utah  
 API #43-013-30587; Lease # UTU-77369

## GMBU Q-18-9-17

Spud Date: 12/21/2011  
 PWOP: 01/24/2012  
 GL: 5516' KB: 5529'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (288.9')  
 DEPTH LANDED: 302.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

### PRODUCTION CASING

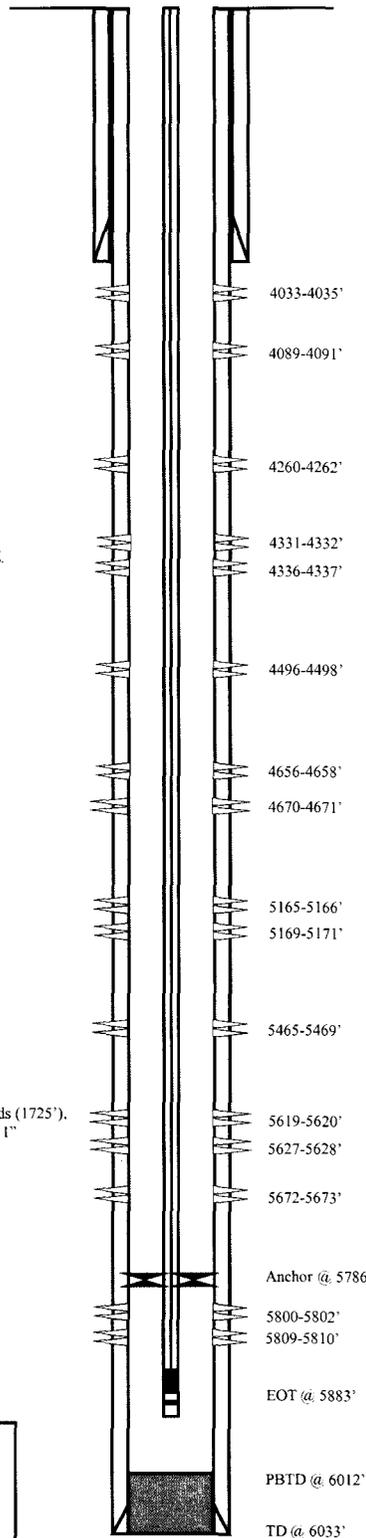
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6013.4') Includes Shoe Jt. (18')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6033.01' KB  
 CEMENT DATA: 225 sxs Prem. Lite II mixed & 430 sxs 50:50 POZ.  
 CEMENT TOP AT: 104'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 186 jts. (5773.2')  
 TUBING ANCHOR: 5786.2' KB  
 NO. OF JOINTS: 1 jt. (31.3')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5820.3' KB  
 NO. OF JOINTS: 2 jts. (61.4')  
 NOTCHED COLLAR: 5882.8' KB  
 TOTAL STRING LENGTH: EOT @ 5883'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 4' Pony Rod, 69 - 7/8" 8per Guided Rods (1725'),  
 156 - 3/4" 4per Guided Rods (3900'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1"  
 Stabilizer Bars (20')  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" x 21" x 24" RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

01/13/2012	5619-5810'	<b>Frac CP3, CP4 &amp; CP5, sands as follows:</b> Frac with 54996# 20/40 white sand in 442 bbls lightning 17 fluid; 635 bbls total fluid to recover.
01/18/2012	5465-5469'	<b>Frac CP.5, sands as follows:</b> Frac with 14297# 20/40 white sand in 223 bbls lightning 17 fluid; 373 bbls total fluid to recover.
01/18/2012	5165-5171'	<b>Frac LODC, sands as follows:</b> Frac with 19388# 20/40 white sand in 298 bbls lightning 17 fluid; 421 bbls total fluid to recover.
01/18/2012	4496-4671'	<b>Frac D2 &amp; DS2, sands as follows:</b> Frac with 60086# 20/40 white sand in 465 bbls lightning 17 fluid; 572 bbls total fluid to recover.
01/18/2012	4260-4337'	<b>Frac PB8 &amp; PB10, sands as follows:</b> Frac with 34916# 20/40 white sand in 292 bbls lightning 17 fluid; 394 bbls total fluid to recover.
01/18/2012	4033-4091'	<b>Frac GB4 &amp; GB6, sands as follows:</b> Frac with 48328# 20/40 white sand in 375 bbls lightning 17 fluid; 408 bbls total fluid to recover.

### PERFORATION RECORD

5809-5810'	3 JSPF	3 holes
5800-5802'	3 JSPF	3 holes
5672-5673'	3 JSPF	3 holes
5627-5628'	3 JSPF	6 holes
5619-5620'	3 JSPF	3 holes
5465-5469'	3 JSPF	12 holes
5169-5171'	3 JSPF	6 holes
5165-5166'	3 JSPF	3 holes
4670-4671'	3 JSPF	3 holes
4656-4658'	3 JSPF	3 holes
4496-4498'	3 JSPF	6 holes
4336-4337'	3 JSPF	3 holes
4331-4332'	3 JSPF	3 holes
4260-4262'	3 JSPF	6 holes
4089-4091'	3 JSPF	6 holes
4033-4035'	3 JSPF	6 holes



**NEWFIELD**  
**GMBU Q-18-9-17**  
 593' FSL & 689' FWL (SW/SW)  
 Section 18, T9S, R17E  
 Duchesne County, Utah  
 API #43-013-50507; Lease # UTU-72106

# Greater Monument Butte N-18-9-17

Spud Date: 6/30/2011  
 Put on Production: 8/9/2011  
 GL: 5467' KB: 5479'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.35')  
 DEPTH LANDED: 327.67' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G", circ. 5 bbls to surf

### PRODUCTION CASING

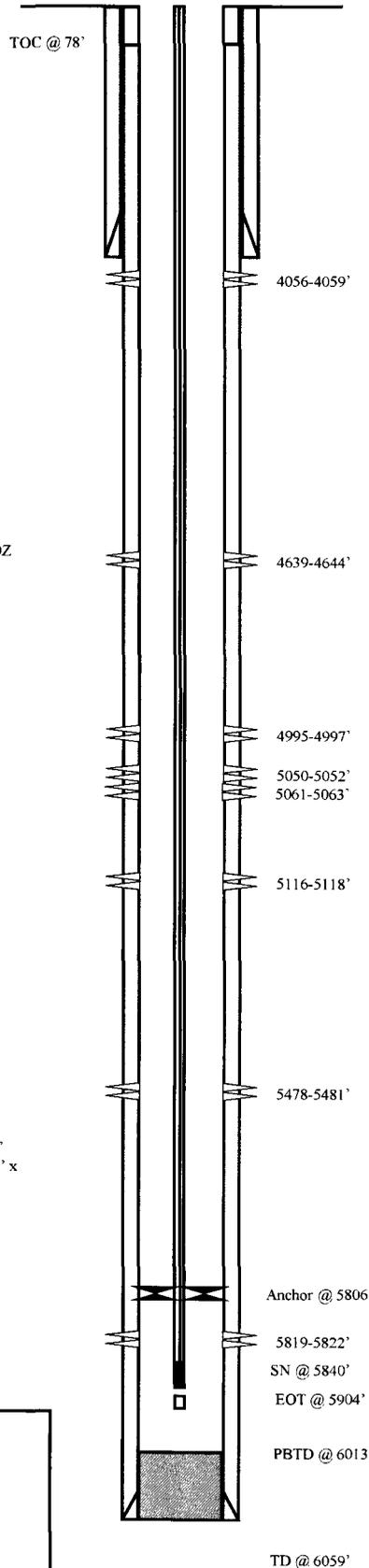
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6031.37')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6050.41' KB  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 390 sxs 50/50 POZ  
 CEMENT TOP AT: 78' per CBL 7/27/11

### TUBING (GI 8/9/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts. (5793.7')  
 TUBING ANCHOR: 5805.72' KB  
 NO. OF JOINTS: 1 jt. (31.7')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5840.23' KB  
 NO. OF JOINTS: 2 jts. (62.6')  
 NOTCHED COLLAR: 2-7/8" (0.45')  
 TOTAL STRING LENGTH: EOT @ 5904.36' KB

### SUCKER RODS (GI 1/3/1/13)

POLISHED ROD: 1-1/2" x 30' Spray Metal Polish Rod  
 SUCKER RODS: 2' x 7/8" Pony Rod, [Polish Rod], 2', 6', 8' x 7/8"  
 Pony Rods, 227 x 7/8" Guided Rods(8per), 4 x 1-1/2" Weight Bars, 4' x  
 1" Stabilizer Bar  
 PUMP SIZE: 2-1/2 x 1-1/4" x 20' x 24' RHAC  
 STROKE LENGTH: 146"  
 PUMP SPEED, SPM: 3.5  
 PUMPING UNIT: DARCO C-640-365-168



### FRAC JOB

Date	Interval	Description
7/27/2011	5478-5822'	<b>Frac CP.5 and CP5, sands as follows:</b> Frac with 19447# 20/40 white sand in 172 bbls Lightning 17 fluid; 321 bbls total fluid to recover.
7/29/2011	4995-4997'	<b>Frac A.5, A1 and A3, sands as follows:</b> Frac with 149937# 20/40 white sand in 911 bbls Lightning 17 fluid; 1028 bbls total fluid to recover.
7/29/2011	4639-4644'	<b>Frac D1, sands as follows:</b> Frac with 43464# 20/40 white sand in 292 bbls Lightning 17 fluid; 400 bbls total fluid to recover.
7/29/2011	4056-4059'	<b>Frac GB4, sands as follows:</b> Frac with 13696# 20/40 white sand in 271 bbls Lightning 17 fluid; 235 bbls total fluid to recover.

### PERFORATION RECORD

Interval	Tool Joint	Holes
4056-4058'	3 JSPF	9 holes
4639-4644'	3 JSPF	15 holes
4995-4997'	3 JPSF	6 holes
5050-5052'	3 JSPF	6 holes
5061-5063'	3 JSPF	6 holes
5116-5118'	3 JSPF	6 holes
5478-5481'	3 JSPF	9 holes
5819-5822'	3 JSPF	9 holes

**NEWFIELD**



**Greater Monument Butte N-18-9-17**  
 1962' FNL & 678' FWL (SW/NW)  
 Section 18, T9S, R17E  
 Duchesne County, Utah  
 API #43-013-50500; Lease #UTU-72106

Well Name: GMBU R-13-9-16

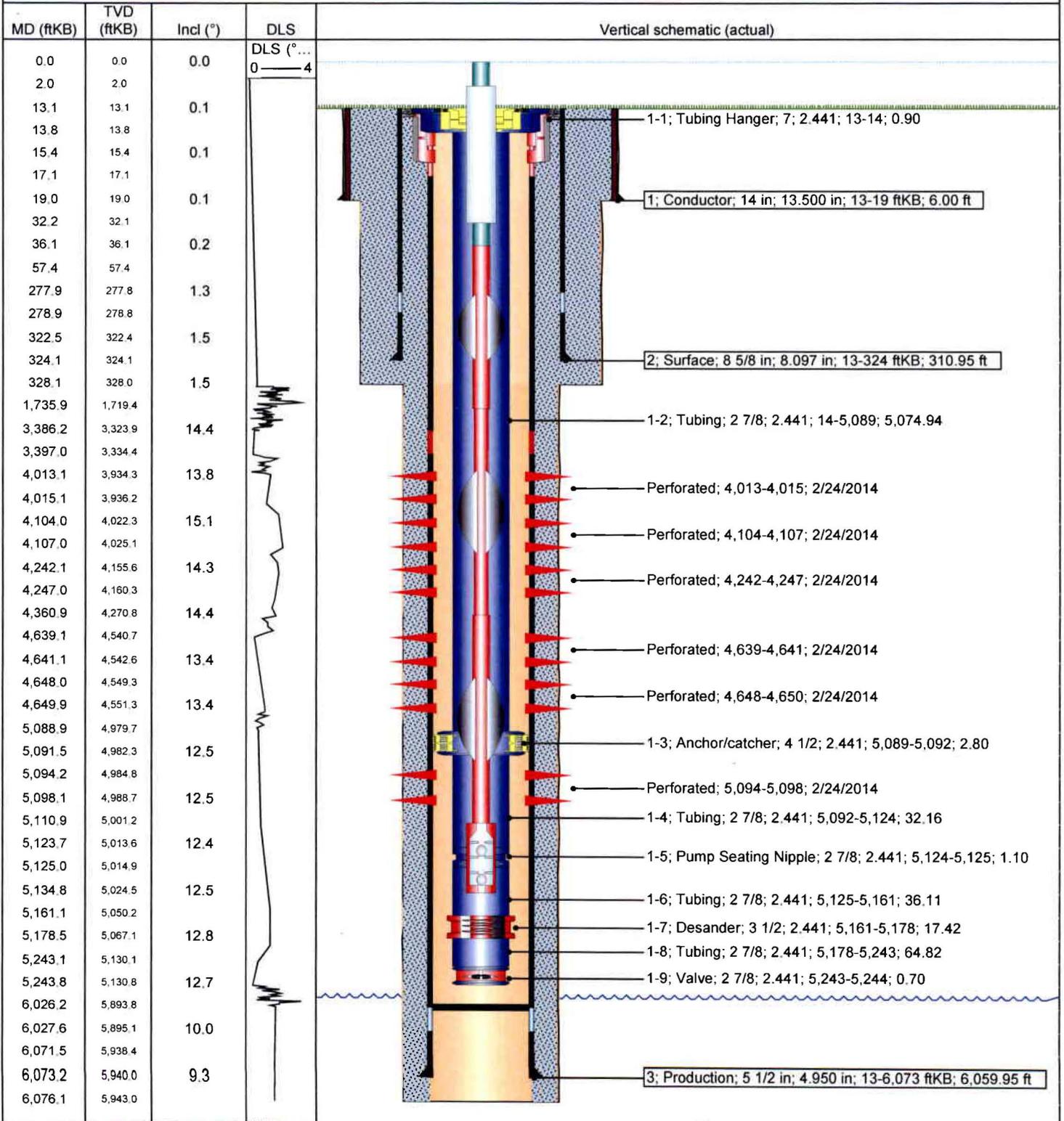
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
NESW 1873 FSL 2093 FWL Sec 13 T9S R16E Mer SLB		43013522380000	500346534	UTU64805	Utah	GMBU CTB6	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	
1/15/2014	2/7/2014	3/4/2014	5,559	5,546	Original Hole - 5,942.8	Original Hole - 6,026.1	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/24/2014	2/28/2014

TD: 6,076.0

Slant - Original Hole, 3/27/2014 7:02:08 AM



**Well Name: GMBU C-24-9-16**

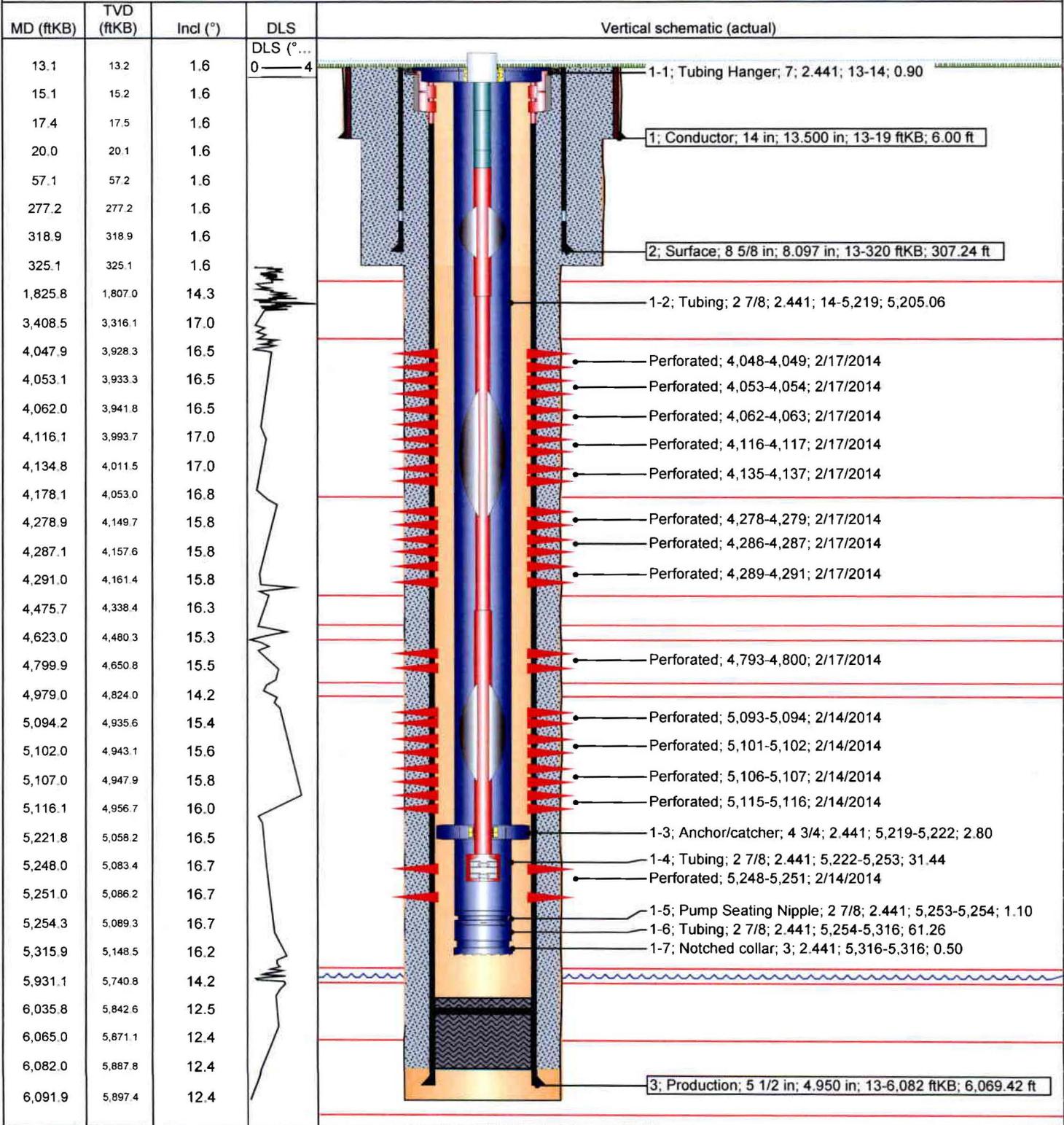
Surface Legal Location SESW 787 FSL 1935 FWL Sec 13 T9S R16E Mer SLB				API/UWI 43013522840000	Well RC 500360790	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/17/2014	Rig Release Date 1/30/2014	On Production Date 2/26/2014	Original KB Elevation (ft) 5,595	Ground Elevation (ft) 5,582	Total Depth All (TVD) (ftKB) Original Hole - 5,897.6		PBDT (All) (ftKB) Original Hole - 6,035.8		

**Most Recent Job**

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/14/2014	Job End Date 2/21/2014
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**TD: 6,092.0**

Slant - Original Hole, 3/27/2014 7:00:34 AM



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

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **FEDERAL 16-13-9-16**  
 Sample Point:  
 Sample Date: **9/3/2013**  
 Sample ID: **WA-252688**

Sales Rep: **Michael McBride**  
 Lab Tech: **Gary Winegar**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
Test Date:	9/10/2013	Sodium (Na):	7268.00	Chloride (Cl):	12000.00
System Temperature 1 (°F):	120	Potassium (K):	69.00	Sulfate (SO <sub>4</sub> ):	95.00
System Pressure 1 (psig):	60	Magnesium (Mg):	4.50	Bicarbonate (HCO <sub>3</sub> ):	1830.00
System Temperature 2 (°F):	210	Calcium (Ca):	9.50	Carbonate (CO <sub>3</sub> ):	
System Pressure 2 (psig):	60	Strontium (Sr):	4.60	Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	1.011	Barium (Ba):	2.80	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	10.00	Iron (Fe):	23.00	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	21307.30	Zinc (Zn):	0.40	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	0.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.50	Silica (SiO <sub>2</sub> ):	
H <sub>2</sub> S in Water (mg/L):	10.00				

**Notes:**  
**B=16 Al=0 Li=1.2**

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.93	8.22	0.15	0.47	5.19	9.04	4.14	16.73	0.00	0.00	0.00	0.00	0.00	0.00	10.35	0.21
200.00	60.00	1.90	8.21	0.16	0.52	5.21	9.04	4.11	16.73	0.00	0.00	0.00	0.00	0.00	0.00	10.46	0.21
190.00	60.00	1.86	8.20	0.19	0.57	5.23	9.04	4.08	16.73	0.00	0.00	0.00	0.00	0.00	0.00	10.59	0.21
180.00	60.00	1.83	8.19	0.21	0.63	5.26	9.04	4.04	16.72	0.00	0.00	0.00	0.00	0.00	0.00	10.71	0.21
170.00	60.00	1.80	8.18	0.24	0.70	5.29	9.04	4.01	16.72	0.00	0.00	0.00	0.00	0.00	0.00	10.85	0.21
160.00	60.00	1.77	8.17	0.28	0.77	5.33	9.04	3.97	16.72	0.00	0.00	0.00	0.00	0.00	0.00	10.99	0.21
150.00	60.00	1.74	8.16	0.32	0.85	5.37	9.04	3.93	16.72	0.00	0.00	0.00	0.00	0.00	0.00	11.13	0.21
140.00	60.00	1.71	8.15	0.36	0.93	5.41	9.04	3.89	16.72	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.21
130.00	60.00	1.69	8.14	0.41	1.01	5.46	9.04	3.84	16.72	0.00	0.00	0.00	0.00	0.00	0.00	11.44	0.21
120.00	60.00	1.66	8.13	0.47	1.09	5.52	9.04	3.80	16.72	0.00	0.00	0.00	0.00	0.00	0.00	11.60	0.21

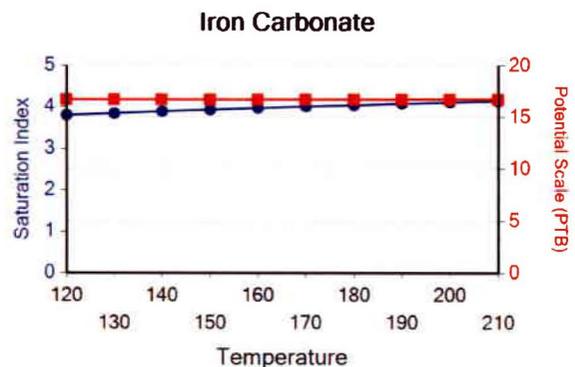
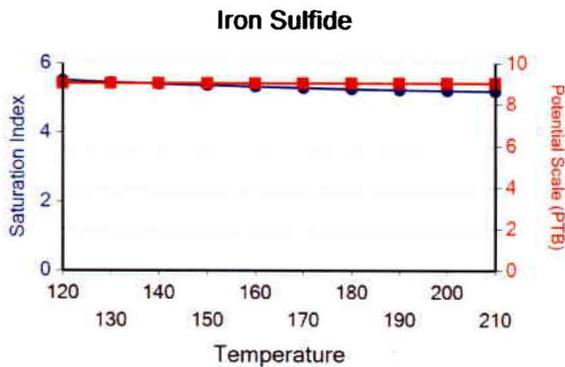
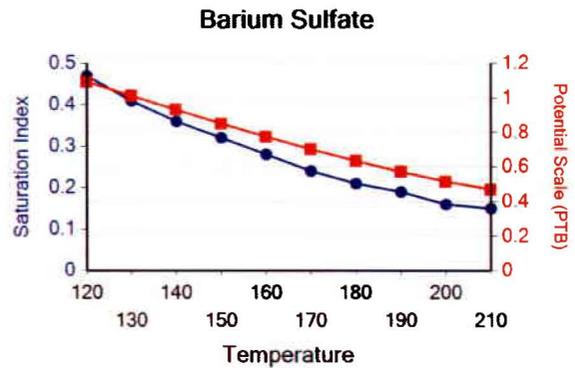
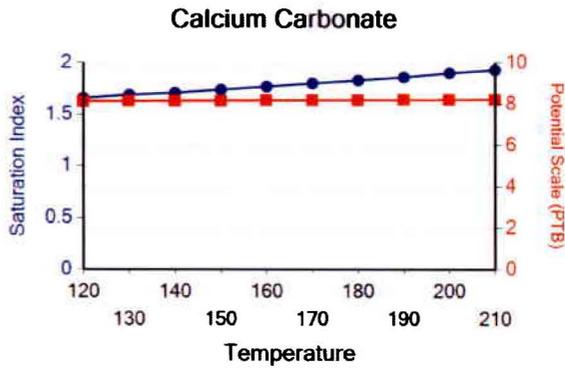
**Multi-Chem Analytical Laboratory**  
 1553 East Highway 40  
 Vernal, UT 84078

**Water Analysis Report**

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
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.27	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 Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

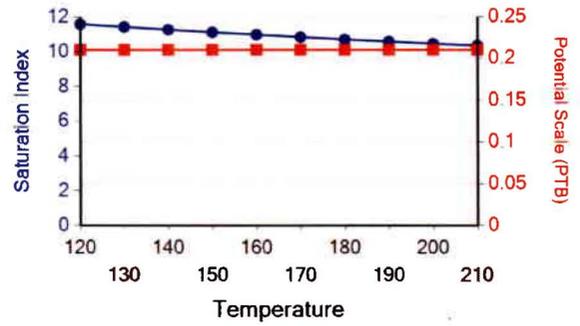
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate



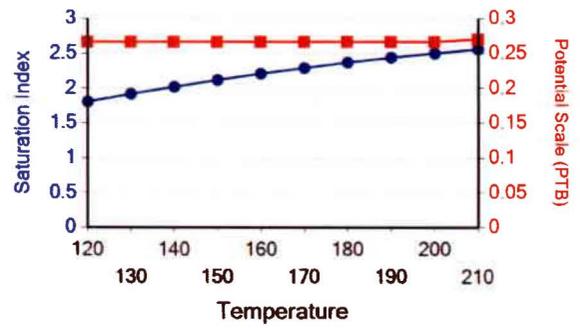
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

Water Analysis Report

Zinc Sulfide



Zinc Carbonate



Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **BELUGA INJECTION**  
 Sample Point: **After Filters**  
 Sample Date: **11/28/2012**  
 Sample ID: **WA-228948**

Sales Rep: **Michael McBride**  
 Lab Tech: **Gary Peterson**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	<i>Cations</i>		<i>Anions</i>	
System Temperature 1 (°F):	120.00	<i>mg/L</i>		<i>mg/L</i>	
System Pressure 1 (psig):	60.0000	Sodium (Na):	2814.83	Chloride (Cl):	4000.00
System Temperature 2 (°F):	210.00	Potassium (K):	20.00	Sulfate (SO4):	460.00
System Pressure 2 (psig):	60.0000	Magnesium (Mg):	47.00	Bicarbonate (HCO3):	512.00
Calculated Density (g/ml):	1.003	Calcium (Ca):	79.00	Carbonate (CO3):	
pH:	7.40	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated TDS (mg/L):	7933.86	Barium (Ba):	0.14	Propionic Acid (C2H5COO)	
CO2 in Gas (%):		Iron (Fe):	0.17	Butanoic Acid (C3H7COO)	
Dissolved CO2 (mg/L):	13.00	Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
H2S in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
H2S in Water (mg/L):	7.00	Ammonia NH3:		Bromine (Br):	
		Manganese (Mn):	0.70	Silica (SiO2):	

**Notes:**  
**11:30**

(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
210.00	60.00	0.96	36.46	0.00	0.00	1.15	0.09	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01
200.00	60.00	0.89	33.50	0.00	0.00	1.11	0.09	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.13	0.01
190.00	60.00	0.81	30.53	0.00	0.00	1.06	0.08	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.01
180.00	60.00	0.73	27.58	0.00	0.00	1.03	0.08	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.01
170.00	60.00	0.66	24.68	0.02	0.00	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.01
160.00	60.00	0.59	21.85	0.05	0.01	0.97	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.01
150.00	60.00	0.52	19.12	0.08	0.01	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48	0.01
140.00	60.00	0.45	16.50	0.12	0.02	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.57	0.01
130.00	60.00	0.39	14.02	0.17	0.03	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.01
120.00	60.00	0.33	11.69	0.23	0.04	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01

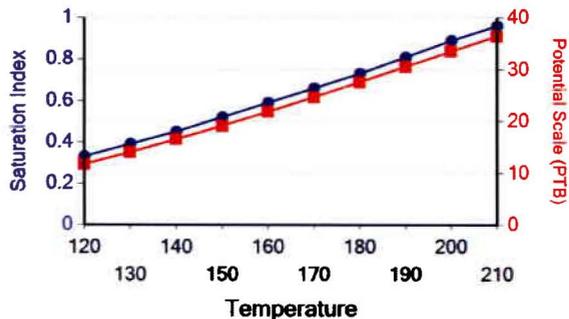
Water Analysis Report

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
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

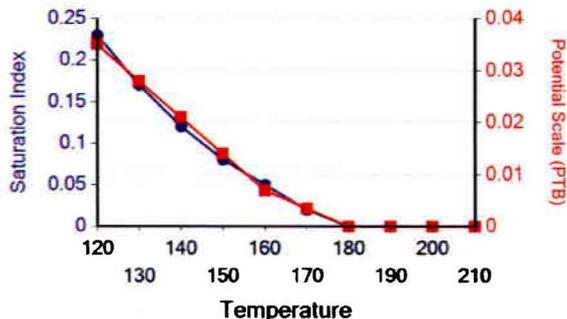
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide

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

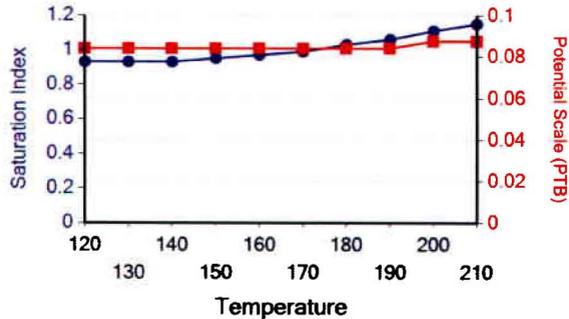
Calcium Carbonate



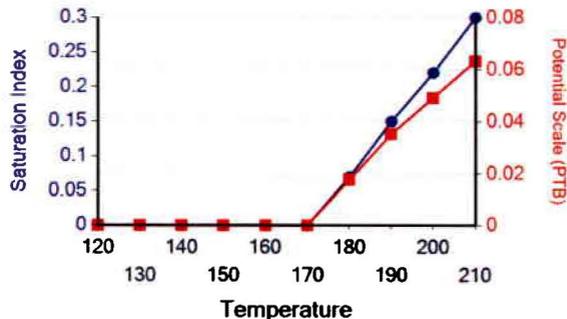
Barium Sulfate



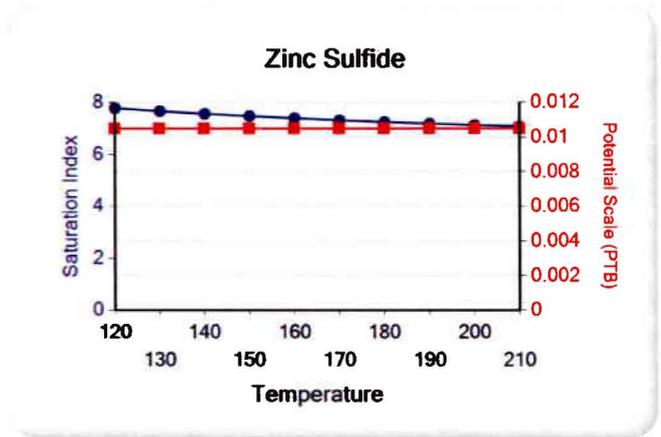
Iron Sulfide



Iron Carbonate



Water Analysis Report



**Attachment "G"**

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

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5074	5083	5079	3200	1.06	3167
4946	4965	4956	1950	0.83	1918
3984	4001	3993	1820	0.89	1794 ←
				<b>Minimum</b>	<u><u>1794</u></u>

Calculation of Maximum Surface Injection Pressure  

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

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

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



DAILY COMPLETION REPORT

WELL NAME: Federal 16-13-9-16 Report Date: Oct. 19, 2005 Day: 01
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 314' Prod Csg: 5-1/2" @ 5885' Csg PBTD: 5791'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: LODC, 5074- 5083', 4/36

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Oct-05 SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5791' & cement top @ 500'. Perforate stage #1, LODC sds @ 5074- 5083' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 36 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

COSTS

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

- Weatherford BOP
NPC NU crew
NDSI trucking
Perforators LLC WLT
Drilling cost
D&M Hot Oil
Location preparation
NPC wellhead
Benco - anchors
Admin. Overhead
NPC Supervisor

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

Completion Supervisor: Orson Barney/ Dulen

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 16-13-9-16 Report Date: Oct. 25, 2005 Day: 2a
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 314' Prod Csg: 5-1/2" @ 5885' Csg PBTD: 5791'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: LODC, 5074- 5083', 4/36

CHRONOLOGICAL OPERATIONS

Date Work Performed: 24-Oct-05 SITP: SICP: 229 psi

RU BJ's "Ram head" frac flange. RU BJ. 229 psi on well. Frac LODC sds w/ 55,032#'s of 20/40 sand in 529 bbls of Lightning 17 fluid. Broke @ 2570 psi. Treated w/ ave. pressure of 2738 psi @ ave. rate of 25.1 BPM. ISIP 3200 psi Leave pressure on well. 668 bbls EWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date:
Fluid lost/recovered today: 529 Oil lost/recovered today:
Ending fluid to be recovered: 668 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: LODC sds down casing

COSTS

Weatherford BOP
BJ Services
NPC fuel gas
Weatherford tools/serv
Betts wtr & trucking
NPC Supervisor

5200 gals of pad
3505 gals w/ 1- 4 ppg of 20/40 sand
6950 gals w/ 4- 6.5 ppg of 20/40 sand
1523 gals w/ 6.5 ppg of 20/40 sand
210 gals of 15% HCL acid.
Flush w/ 4830 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2965 Max Rate: 25.3 BPM Total fluid pmpd: 529 bbls
Avg TP: 2738 Avg Rate: 25.1 BPM Total Prop pmpd: 55,032#'s
ISIP: 3200 5 min: 10 min: FG: 1.06

Completion Supervisor: Orson Barney

DAILY COST: \$0
TOTAL WELL COST:



**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 16-13-9-16 **Report Date:** Oct. 25, 2005 **Day:** 2b  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8-5/8' @ 314' **Prod Csg:** 5-1/2" @ 5885' **Csg PBTD:** 5791'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5020'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>A3</u>	<u>4946- 4965'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC</u>	<u>5074- 5083'</u>	<u>4/36</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 24-Oct-05 **SITP:** \_\_\_\_\_ **SICP:** 2044 psi

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" composite flow through plug & 19' of perf gun (3 1/8" slick guns). Set plug 5020'. Perforated A3 sds 4946- 4965', All 4 SPF for a total of 76 holes. RU BJ. 2044 psi or well. Frac A3 sds w/ 100,665#'s of 20/40 sand in 716 bbls of Lightning 17 fluid. Broke @ 2820 psi. Treated w/ ave pressure of 1750 psi @ ave. rate of 25.1 BPM. ISIP 1950 psi. Leave pressure on well. 1384 bbls EWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 668 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 716 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1384 **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:** A3 sds down casing

**COSTS**

Weatherford BOP  
BJ Services  
NPC fuel gas  
Weatherford tools/serv  
Betts wtr & trucking  
NPC Supervisor  
Lone Wolf WL

7500 gals of pad  
5000 gals w/ 1- 5 ppg of 20/40 sand  
10000 gals w/ 5- 8 ppg of 20/40 sand  
2708 gals w/ 8 ppg of 20/40 sand  
210 gals of 15% HCL acid.  
Flush w/ 4654 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

**Max TP:** 2075 **Max Rate:** 25.3 BPM **Total fluid pmpd:** 716 bbls  
**Avg TP:** 1750 **Avg Rate:** 25.1 BPM **Total Prop pmpd:** 100,665#'s  
**ISIP:** 1950 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .83

**Completion Supervisor:** Orson Barney

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 16-13-9-16      **Report Date:** Oct. 25, 2005      **Day:** 2c  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 314'      **Prod Csg:** 5-1/2" @ 5885'      **Csg PBTD:** 5791'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4100'  
**BP:** 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6</u>	<u>3984- 4001'</u>	<u>4/68</u>	_____	_____	_____
<u>A3</u>	<u>4946- 4965'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC</u>	<u>5074- 5083'</u>	<u>4/36</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 24-Oct-05      **SITP:** \_\_\_\_\_ **SICP:** 1350 psi

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" composite flow through plug & 17' of perf gun (3 1/8" slick guns). Set plug 4100'. Perforated GB6 sds 3984- 4001', All 4 SPF for a total of 69 holes. RU BJ. 1350 ps on well. Frac GB6 sds w/ 93,364#'s of 20/40 sand in 649 bbls of Lightning 17 fluid. Broke @ 3365 psi. Treated w/ ave. pressure of 1598 psi @ ave. rate of 25.2 BPM. ISIP 1820 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 7 hrs & died. Rec. 450 BTF ( 24% of total frac load). 1583 bbls EWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1384      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 199      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1583      **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:** GB6 sds down casing

- \_\_\_\_\_ 6800 gals of pad
- \_\_\_\_\_ 4625 gals w/ 1- 5 ppg of 20/40 sand
- \_\_\_\_\_ 9250 gals w/ 5- 8 ppg of 20/40 sand
- \_\_\_\_\_ 2677 gals w/ 8 ppg of 20/40 sand
- \_\_\_\_\_ Flush w/ 3906 gals of slick water

### COSTS

- \_\_\_\_\_ Weatherford BOP
- \_\_\_\_\_ BJ Services
- \_\_\_\_\_ NPC fuel gas
- \_\_\_\_\_ Weatherford tools/serv
- \_\_\_\_\_ Betts wtr & trucking
- \_\_\_\_\_ NPC Supervisor
- \_\_\_\_\_ Lone Wolf WL
- \_\_\_\_\_ Betts wtr transfer
- \_\_\_\_\_ NPC trucking
- \_\_\_\_\_ Unichem chemicals

**Max TP:** 1835      **Max Rate:** 25.4 BPM      **Total fluid pmpd:** 649 bbls  
**Avg TP:** 1598      **Avg Rate:** 25.2 BPM      **Total Prop pmpd:** 93,364#'s  
**ISIP:** 1820      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .89

**Completion Supervisor:** Orson Barney

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_



DAILY COMPLETION REPORT

WELL NAME: Federal 16-13-9-16 Report Date: Oct. 26, 2005 Day: 3  
 Operation: Completion Rig: NC#2

WELL STATUS

Surf Csg: 8-5/8' @ 314' Prod Csg: 5-1/2" @ 5885' Csg PBTD: 5839'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: j-55 Pkr/EOT @: 5765' BP/Sand PBTD: \_\_\_\_\_

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6	3984- 4001'	4/68			
A3	4946- 4965'	4/76			
LODC	5074- 5083'	4/36			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 25-Oct-05 SITP: \_\_\_\_\_ SICP: 100

MIRU NC#2. Bleed off well. ND Cameron BOPS & 5m frac head. NU 3m production head & BOPS. RIH w/ 4 3/4' chomp bit, bit sub & 2 7/8" tbg. Tag CBP @ 4100'. RU powerswivel & pump. DU CBP in 30 min. Cont. RIH w/ tbg Tag @ 5005'. C/O to CBP @ 5020'. DU CBP in 25 min. Cont. RIH w/ tbg. Tag @ 5600'. C/O to PBTD @ 5839' Circulate well clean. Pull up to 5765'. RU swab. SFL @ surface. Made 9 runs. Recovered 85 bbls water. No show of oil. Small show of sand. Small show of gas. EFL @ 1200'.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1583 Starting oil rec to date: 0  
 Fluid lost/recovered today: 40 Oil lost/recovered today: 0  
 Ending fluid to be recovered: 1623 Cum oil recovered: 0  
 IFL: surface FFL: 1200' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 0%

STIMULATION DETAIL

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

COSTS

NC #2  
 Weatherford bop(3 days)  
 Aztec tbg.  
 Mnt. West sanitation  
 NDSI water & trucks  
 Monks pit reclaim  
 NPC trucking  
 Liddel trucking  
 NPC surface equip.  
 NPC welding & labor  
 NPC Location cleanup  
 RNI water disposal  
 NPC supervision  
 DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_

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



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 16-13-9-16      **Report Date:** Oct. 27, 2005      **Day:** 4  
**Operation:** Completion      **Rig:** NC#2

### WELL STATUS

**Surf Csg:** 8-5/8' @ 314'      **Prod Csg:** 5-1/2" @ 5885'      **Csg PBTD:** 5839'  
**Tbg:** **Size:** 2 7/8"    **Wt:** 6.5#    **Grd:** j-55    **Pkr/EOT @:** 5151'    **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6</u>	<u>3984- 4001'</u>	<u>4/68</u>	_____	_____	_____
<u>A3</u>	<u>4946- 4965'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC</u>	<u>5074- 5083'</u>	<u>4/36</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 26-Oct-05      **SITP:** 0      **SICP:** 0

RIH w/ swab. SFL @ surface. Made 5 runs. Recovered 45 bbls water. No show of oil. No show of gas. Small show of sand. EFL @ 5000'. RD swab. RIH w/ tbg. To PBTD @ 5839'. Circulate well clean. POOH w/ tbg. RIH w/ 2 7/8' notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 155 jts 2 7/8" tbg. ND BOPS. Set TAC @ 5050' w. 14000# tension. NU wellhead. X-over for rods. RIH w/ CDI 2 1/2" X 1 1/2" X 10' X 14' RHAC pump, 6- 1 1/2" weight bars, 10- 3/4" guided rods, 87- 3/4" slick rods, 99- 3/4" guided rods, 1- 8', 4', 2' x 3/4" pony subs, 1 1/2" x 22' polished rod. Seat pump. Tbg. was full. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Put well on production @ 6:00 p.m. 86" stroke length, 5 spm.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1623      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 30      **Oil lost/recovered today:** 0  
**Ending fluid to be recovered:** 1653      **Cum oil recovered:** 0  
**IFL: surface**    **FFL: 5000'**    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** 0%

### TUBING DETAIL

### ROD DETAIL

### COSTS

TUBING DETAIL	ROD DETAIL	COSTS
KB <u>10.00'</u>	<u>1 1/2" X 22' polished rod</u>	<u>NC #2</u>
<u>155 2 7/8 J-55 tbg (5039.63')</u>	<u>1- 2, 4', 8' X 3/4" pony subs</u>	<u>NPC frac tk(5x7 days)</u>
<u>5 1/2" TAC (2.80' @ 5049.63')</u>	<u>99-3/4" scraped rods</u>	<u>NPC frac head</u>
<u>1 2 7/8 J-55 tbg. (32.50')</u>	<u>87-3/4" plain rods</u>	<u>NPC swab tk(2 days)</u>
<u>SN (1.10' @ 5084.93' KB)</u>	<u>10-3/4" scraped rods</u>	<u>CDI TAC</u>
<u>2 2 7/8 J-55 tbg (65.00')</u>	<u>6-1 1/2" weight rods</u>	<u>CDI PSN</u>
<u>2 7/8 NC (.45')</u>	<u>CDI 2 1/2" x 1 1/2" x 16'</u>	<u>CDI rod pump</u>
<u>EOT 5151.48' W/ 12' KB</u>	<u>RHAC pump W/ SM plunger</u>	<u>"A" grade rod string</u>
_____	_____	<u>Polished rod pkg.</u>
_____	_____	<u>Four Star rental</u>
_____	_____	<u>Weatherford bop</u>

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

**Completion Supervisor:** Don Dulen

**DAILY COST:** \_\_\_\_\_    **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3934'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 167' balance plug using 20 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 @ 363'
6. Plug #4 Circulate 103 sx Class "G" cement down 5 1/2" casing and up the 5-1/2" x 8-5/8" annulus

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

## Federal 16-13-9-16

Spud Date: 8-29-05  
 Put on Production: 10-26-05  
 GL: 5528' KB: 5539'

Initial Production: BOPD,  
 MCFD, BWPD

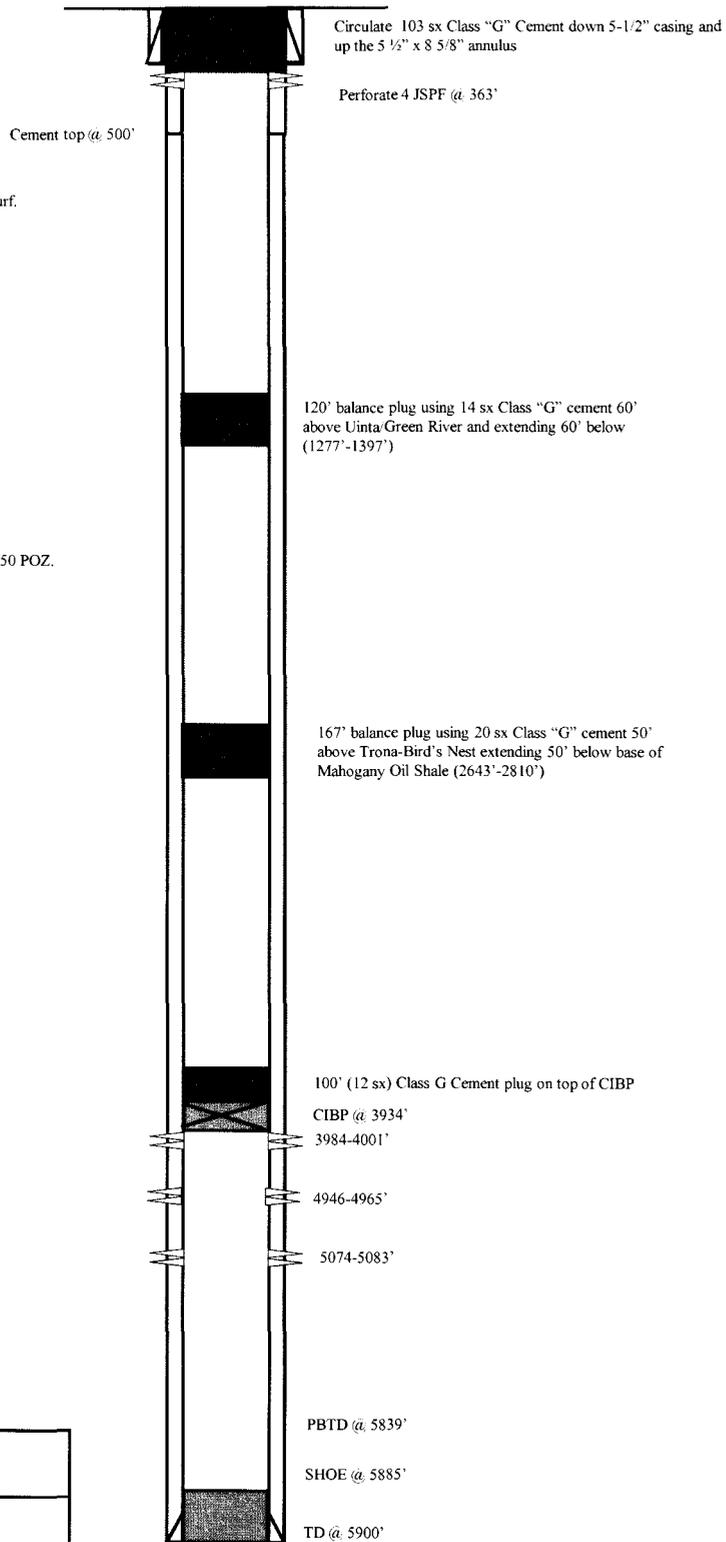
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.57')  
 DEPTH LANDED: 313.42' 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: 132 jts. (5871.95')  
 DEPTH LANDED: 5885.2' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 500'




<p><b>Federal 16-13-9-16</b>                  656' FSL &amp; 661' FEL                  SE/SE Section 16-T9S-R16E                  Duchesne Co, Utah                  API #43-013-32647 ; Lease #UTU-64805</p>

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-416

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, 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, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East  
API 43-013-32857

Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32647

Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-30640

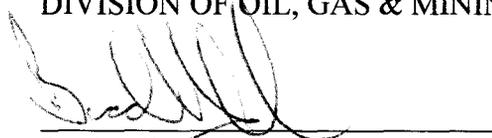
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 14th day of January, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 6-22-9-15, FEDERAL 16-13-9-16,  
CASTLE PEAK STATE 33-16**

**Cause No. UIC-416**

Publication Notices were sent to the following:

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

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

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

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

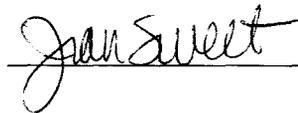
SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Ute Tribe  
P O Box 190  
Ft. Duchesne, UT 84026

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

January 15, 2014

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-416

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



Jean Sweet <jsweet@utah.gov>

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**Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-416**

Message

---

**UB Standard Legals** <ubslegals@ubmedia.biz>

Wed, Jan 15, 2014 at 1:21 PM

To: Jean Sweet <jsweet@utah.gov>

On 1/15/2014 1:17 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.

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 Division of Oil, Gas and Mining  
801-538-5329

This will publish January 21.

Thanks

Cindy



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

January 15, 2014

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-416

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

**Order Confirmation for Ad #0000933597-01**

<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>	9001402352	<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. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	juliecarter@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$220.04</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$220.04</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	UIC-416	

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 64 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hearing Notices
<b>Scheduled Date(s):</b>	1/17/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hearing Notices
<b>Scheduled Date(s):</b>	1/17/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	1/17/2014	

**Ad Content Proof Actual Size**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-416

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, 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.

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Ashley Federal 6-22-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East  
API 43-013-32857  
Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32647  
Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-30640

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, or 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 14th day of January, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

933597

UPA1XP

4770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED. TAX I.D.# 87-0217663  
 801-204-6910

**The Salt Lake Tribune**

**MEDIA One**  
 OF UTAH  
 A NEWSPAPER AGENCY COMPANY  
 WWW.MEDIADIVISION.COM

**Deseret News**  
 WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	1/17/2014

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE	
8015385340		0000933597 /	
SCHEDULE			
Start 01/17/2014		End 01/17/2014	
CUST. REF. NO.			
UIC-416			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU			
SIZE			
64	Lines	2.00	COLUMN
TIMES		RATE	
3			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
220.04			

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-416

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE 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, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
 Ashley Federal 6-23-9-15 well located in SE/4 NW/4, Section 22, Township 9 South, Range 15 East  
 API 43-013-32857  
 Federal 16-13-9-16 well located in SE/4 SE/4, Section 13, Township 9 South, Range 16 East  
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 Castle Peak State 33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East  
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Dated this 14th day of January, 2014.

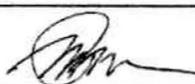
STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/  
 Brad Hill  
 Permitting Manager

933597 UPAXLP

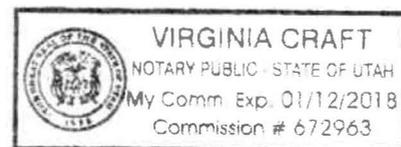
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-416 IN THE MATTER OF THE APPLICA 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 INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 01/17/2014 End 01/17/2014

SIGNATURE 

DATE 1/17/2014



*Virginia Craft*  
 NOTARY SIGNATURE

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

2210/RAB/6131

# AFFIDAVIT OF PUBLICATION

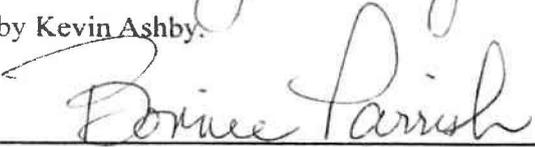
County of Duchesne,  
STATE OF UTAH

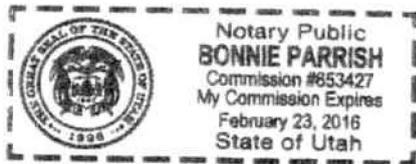
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 21 day of January, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of January, 20 14, 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 on this

21 day of January 20 14  
by Kevin Ashby.

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



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-416

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 SECTION 22, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 13 AND 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32647  
Castle Peak State

33-16 well located in NW/4 SE/4, Section 16, Township 9 South, Range 16 East  
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Dated this 14th day of January, 2014.

STATE OF UTAH  
DIVISION OF  
OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager

Published in the Uintah Basin Standard January 21, 2014.



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

March 27, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 16-13-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32647

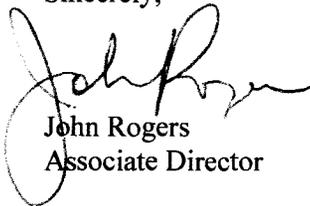
Newfield Production Company:

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 3,777 feet in the Federal 16-13-9-16 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,



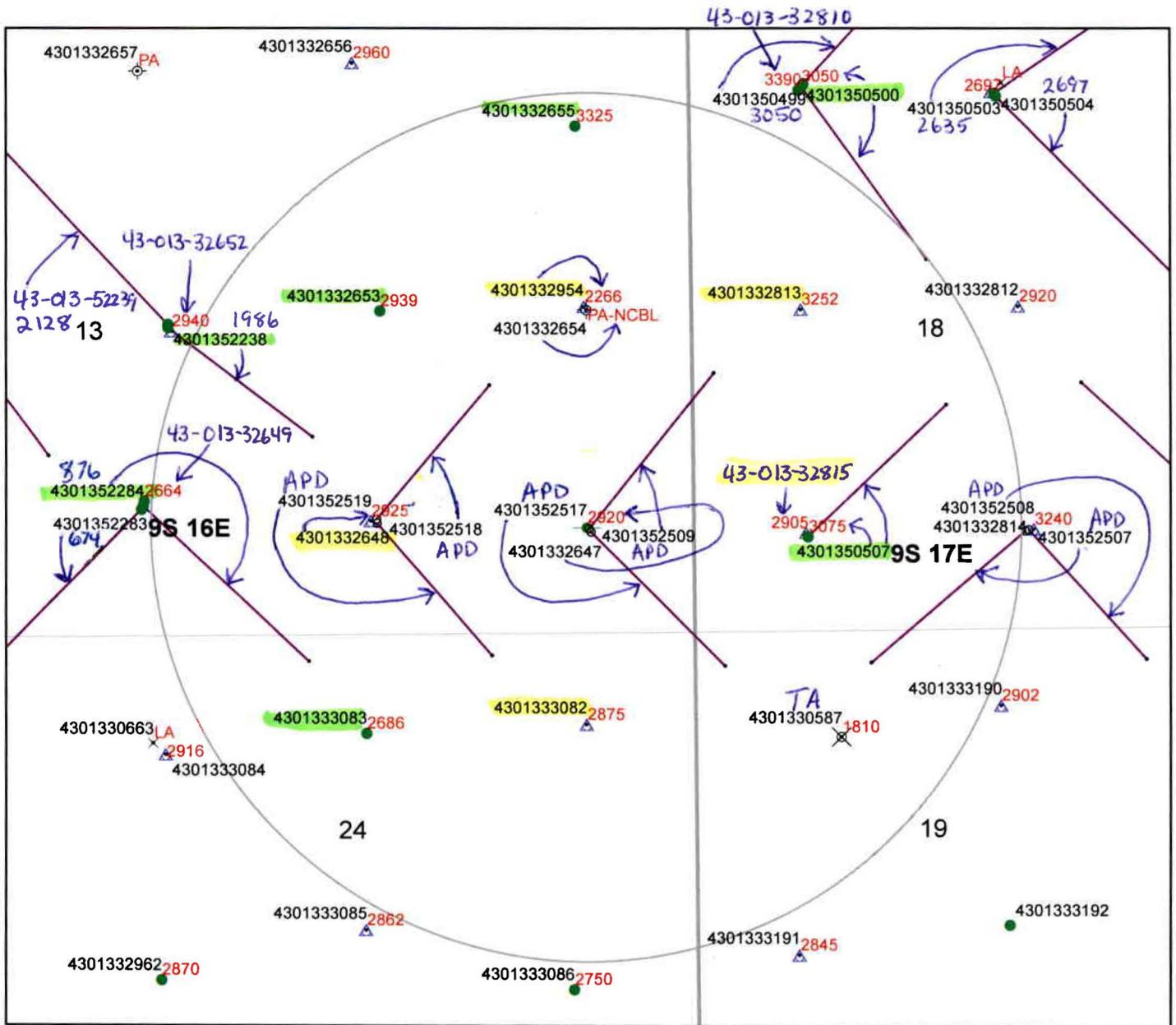
John Rogers  
Associate Director

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





**Legend**

- Oil & Gas Well Type**
- APD-Approved Permit
  - ⊙ DRL-Spudded (Drilling Commenced)
  - ⊗ GIW-Gas Injection Well
  - <sub>GS</sub> GSW-Gas Storage Well
  - × LA-Location Abandoned
  - LOC-New Location Well
  - OPS-Drilling Operations Suspended
  - ⊙ PA-Pugged & Abandoned
  - ⊙ PGW-Producing Gas Well
  - POW-Producing Oil Well
  - ▲ RET-Returned APD
  - ⊙ SGW-Shut-in Gas Well
  - SOW-Shut-in Oil Well
  - ⊙ TA-Temp Abandoned
  - TW-Test Well
  - ⊙ WDW-Water Disposal Well
  - ▲ WIW-Water Injection Well
  - WSW-Water Supply Well

**Cement Bond Tops  
Federal 16-13-9-16  
API #43-013-32647  
UIC-416.2**



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbftopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

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

**Applicant:** Newfield Production Company

**Well:** Federal 16-13-9-16

**Location:** 13/9S/16E

**API:** 43-013-32647

**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 313 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,885 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,920 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,934 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 4 producing wells, 5 injection wells, 1 shut-in well (the proposed injection well), 1 P/A well, and 1 temporarily abandoned well in the AOR. In addition, there are 3 producing wells which are directionally drilled, with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1400 feet. Injection shall be limited to the interval between 3,777 feet and 5,839 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-13-9-16 well is 0.89 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,794 psig. The requested maximum pressure is 1,794 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.

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

page 2

**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: 3/27/2014



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

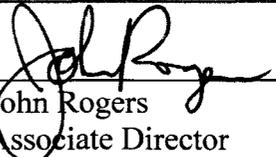
Cause No. UIC-416

**Operator:** Newfield Production Company  
**Well:** Federal 16-13-9-16  
**Location:** Section 13, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32647  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 27, 2014.
2. Maximum Allowable Injection Pressure: 1,794 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,777' – 5,839').
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

6/2/2014  
Date

JR/MLR/js

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

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

