

NEWFIELD



October 21, 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: Jonah Federal 13-14-9-16, 14-14-9-16, 16-14-9-16 and Federal 4-5-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. 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  
OCT 25 2004  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**001**

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.

UTU-096547

6. If Indian, Allottee or Tribe Name

N/A

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

~~Jonah~~ *Jonah*

8. Lease Name and Well No.

Jonah Federal 14-14-9-16

9. API Well No.

*43-013-32697*

10. Field and Pool, or Exploratory

Monument Butte

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

SE/SW Sec. 14, 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  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SE/SW 507' FSL 1684' FWL *577706x 40.024984*  
At proposed prod. zone *4430717Y - 110.089367*

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 24.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 507' f/ise, 507' f/unit

16. No. of Acres in lease  
600.00

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. 1,019'

19. Proposed Depth  
6000'

20. BLM/BIA Bond No. on file  
#4488944

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5740' 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 *10/21/04*

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) **BRADLEY G. HILL** Date *11-01-04*

Title **ENVIRONMENTAL SCIENTIST III**

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

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

\*(Instructions on reverse)

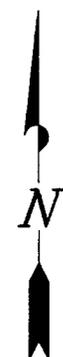
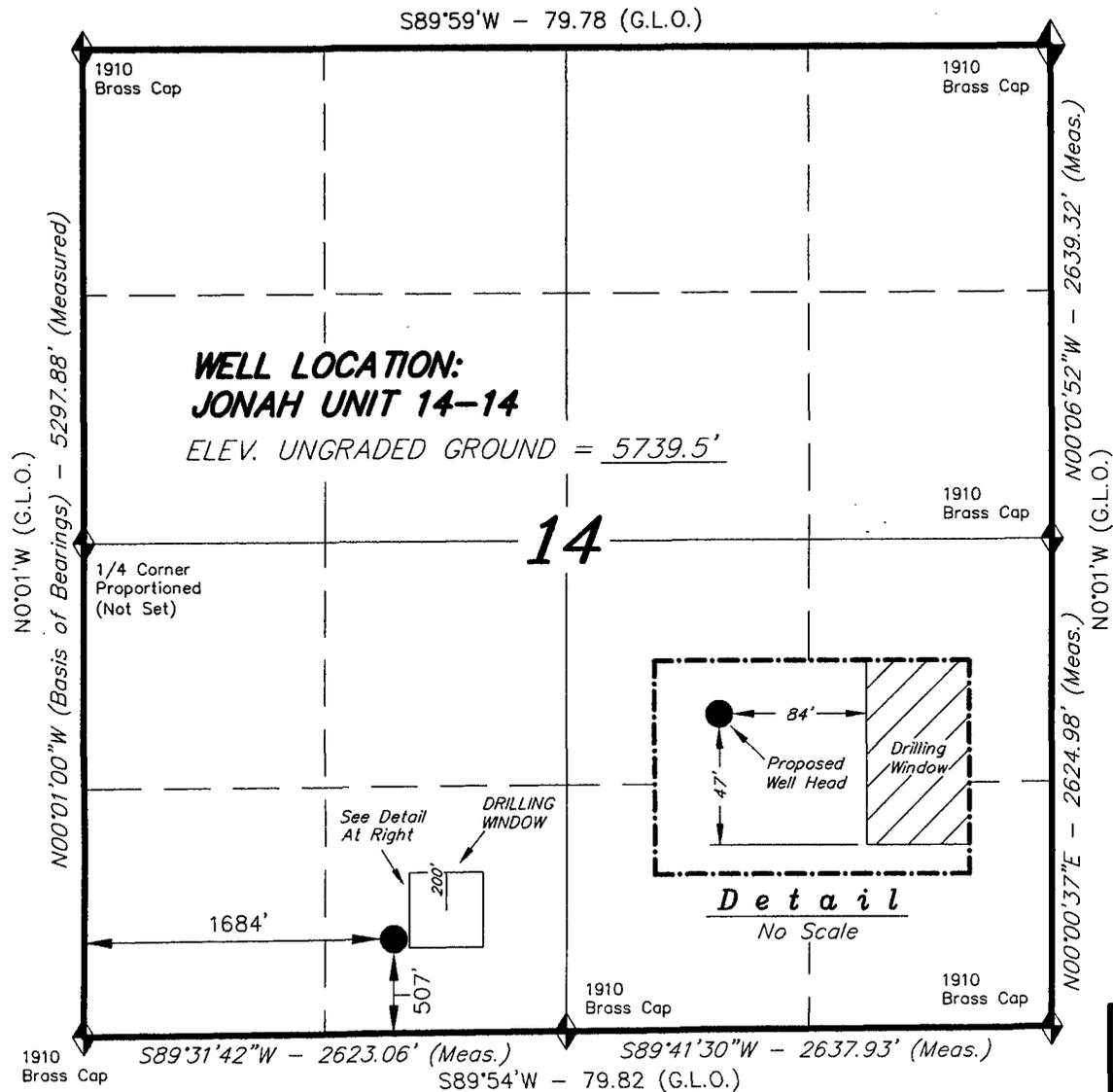
**Federal Approval of this  
Action is Necessary**

**RECEIVED  
OCT 25 2004  
DIV. OF OIL, GAS & MINING**

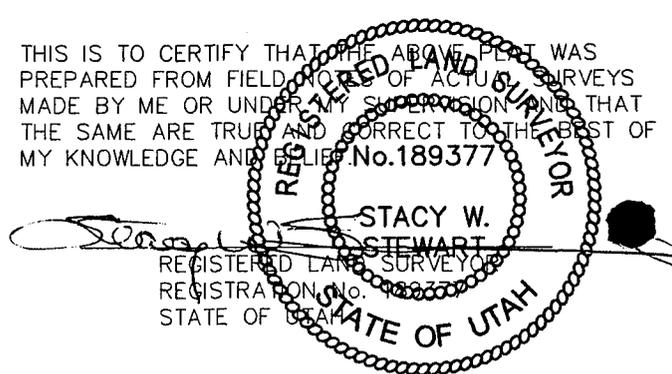
# T9S, R16E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT 14-14,  
 LOCATED AS SHOWN IN THE SE 1/4 SW  
 1/4 OF SECTION 14, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

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

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 8-25-04	DRAFTED BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #14-14-9-16  
SE/SW SECTION 14, 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	2000'
Wasatch	6000'

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

Green River Formation 2000' – 6000' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #14-14-9-16  
SE/SW SECTION 14, 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 Newfield Production Company well location site Jonah Federal #14-14-9-16 located in the SE 1/4 SW 1/4 Section 14, 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 southwesterly along Hwy 53 - 10.9 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 7.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles  $\pm$  to it's junction with an existing road to the west; proceed northeasterly - 2.2 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 1.4 miles  $\pm$  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, 1/8/04. See attached report cover pages, Exhibit "D".

For the Jonah Federal #14-14-9-16 Newfield Production Company requests 989' of disturbed area be granted in Lease UTU-096547 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 989' of disturbed area be granted in Lease UTU-096547 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 Newfield's secondary recovery project.

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

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

Possible Rapture nest – Dixie Sadler to advise.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

Black Sage

*Artemisia Nova*

1 lbs/acre

Indian Ricegrass            *Oryzopsis Hymenoides*            5 lbs/acre  
Needle and Thread Grass   *Stipa Comata*            6 lbs/acre

**Details of the On-Site Inspection**

The proposed Jonah Federal #14-14-9-16 was on-sited on 5/19/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 70 degrees.

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

Representative

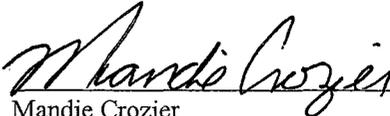
Name:            Brad Mecham  
  
Address:        Route #3 Box 3630  
                    Myton, UT 84052  
  
Telephone:     (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #14-14-9-16 SE/SW Section 14, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

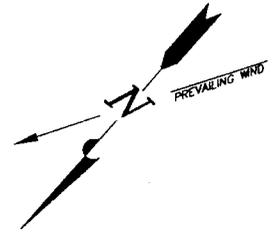
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be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

10/21/04  
Date

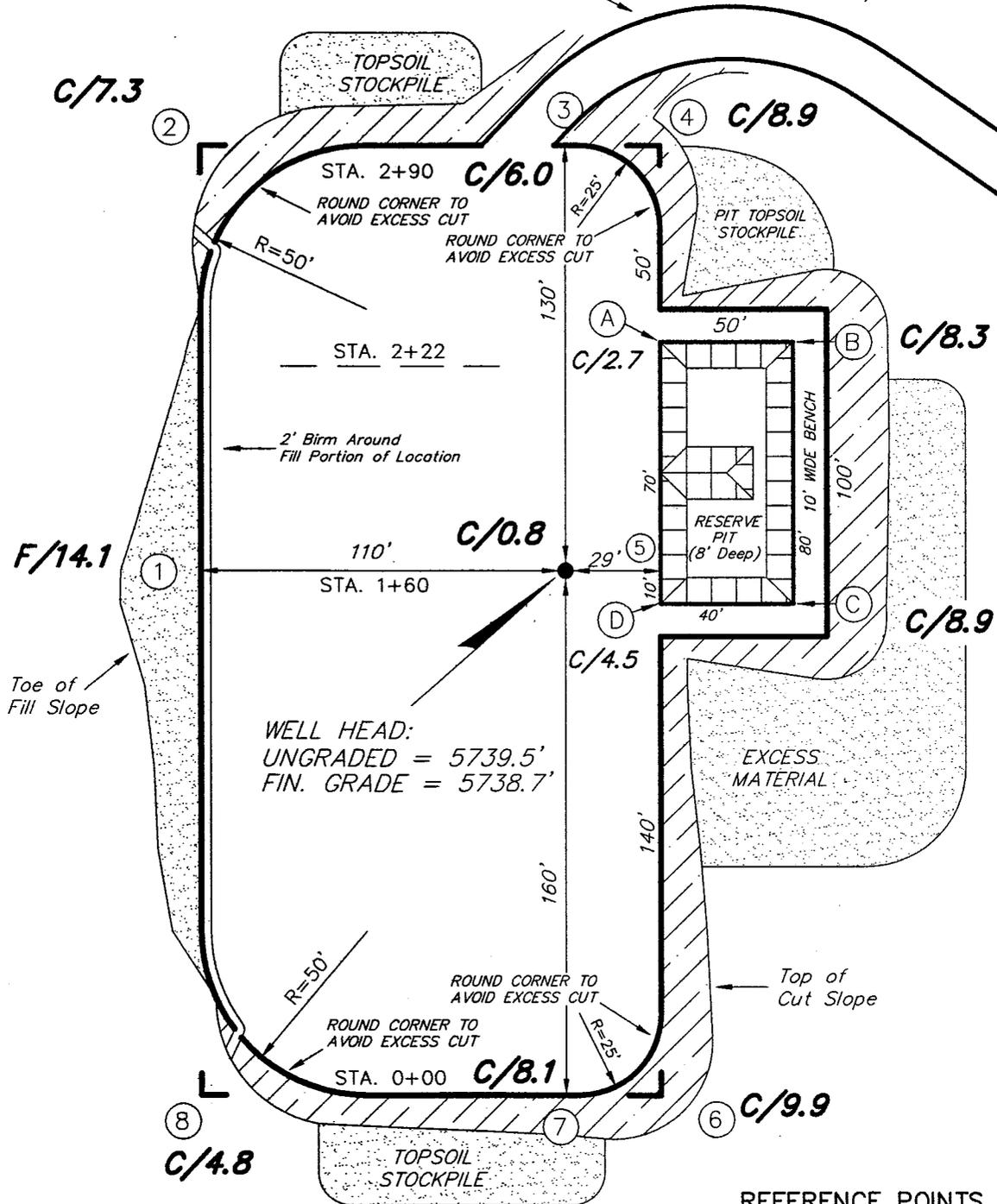
  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# INLAND PRODUCTION COMPANY

**JONAH UNIT 14-14**  
 Section 14, T9S, R16E, S.L.B.&M.



PROPOSED ACCESS ROAD (Max. 6% Grade)



WELL HEAD:  
 UNGRADED = 5739.5'  
 FIN. GRADE = 5738.7'

### REFERENCE POINTS

- 180' SOUTHEAST = 5752.8'
- 230' SOUTHEAST = 5763.6'
- 170' NORTHEAST = 5721.8'
- 220' NORTHEAST = 5721.4'

SURVEYED BY: D.J.S.

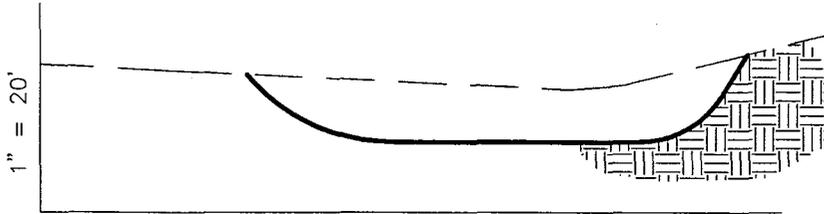
SCALE: 1" = 50'

DRAWN BY: F.T.M.

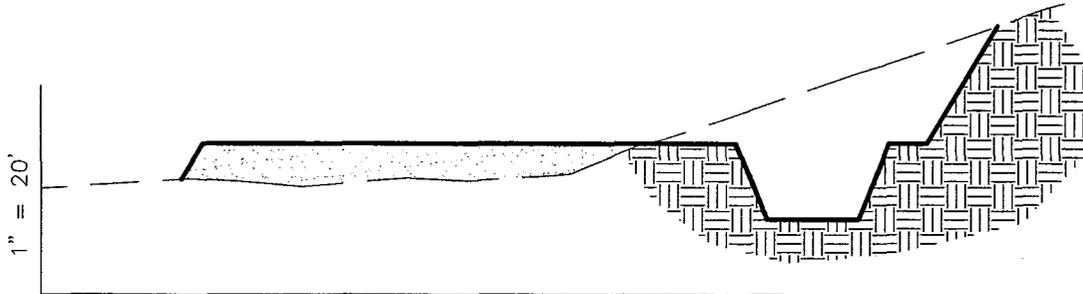
DATE: 8-25-04

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

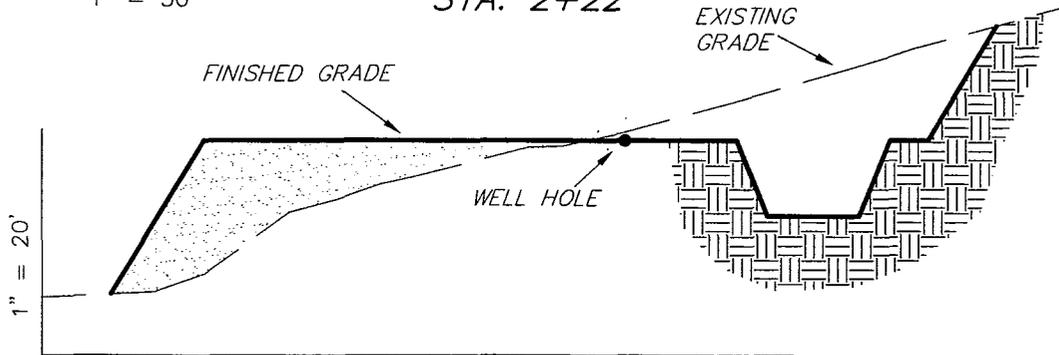
**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**JONAH UNIT 14-14**



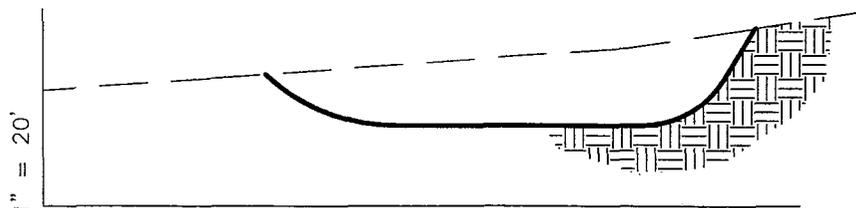
1" = 20'  
 1" = 50'      **STA. 2+90**



1" = 20'  
 1" = 50'      **STA. 2+22**



1" = 20'  
 1" = 50'      **STA. 1+60**



1" = 20'  
 1" = 50'      **STA. 0+00**

NOTE:  
 UNLESS OTHERWISE NOTED  
 ALL CUT/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	3,910	3,910	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>4,550</b>	<b>3,910</b>	<b>840</b>	<b>640</b>

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-25-04

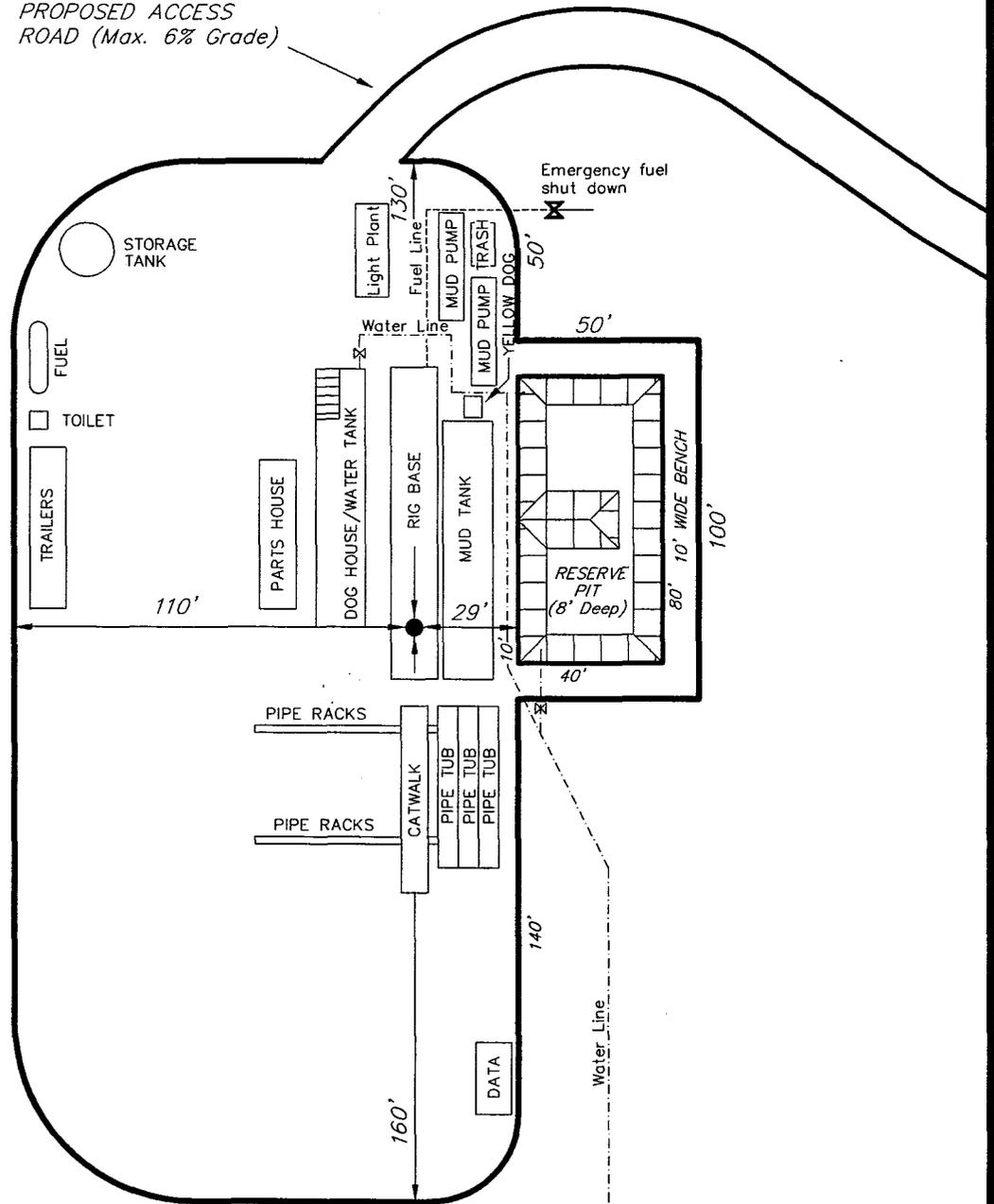
*Tri State*  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

# INLAND PRODUCTION COMPANY

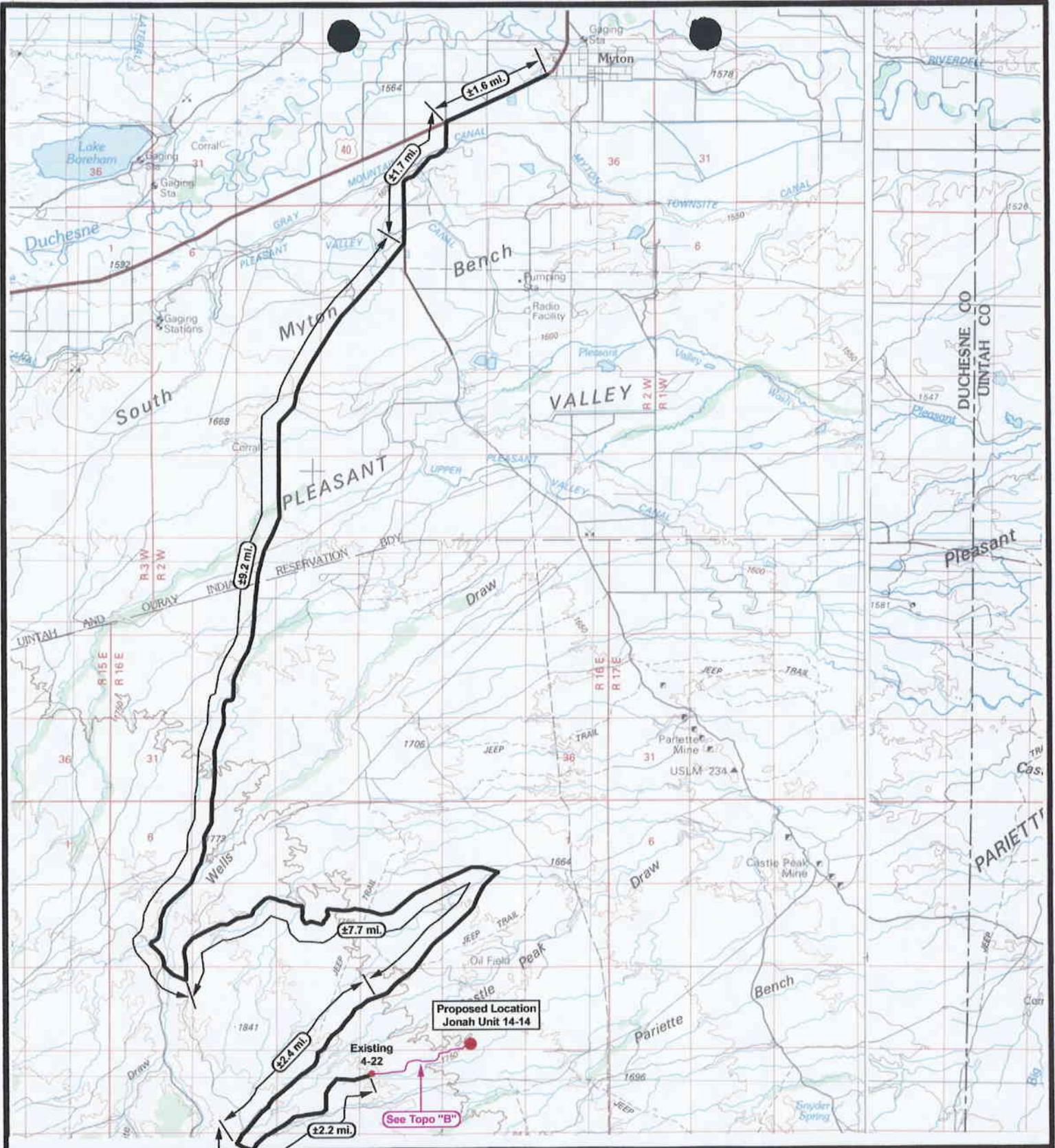
## TYPICAL RIG LAYOUT

### JONAH UNIT 14-14

PROPOSED ACCESS ROAD (Max. 6% Grade)



SURVEYED BY: D.J.S.	SCALE: 1" = 50'	<b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: F.T.M.	DATE: 8-25-04	



**NEWFIELD**  
Exploration Company

**Jonah Unit 14-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



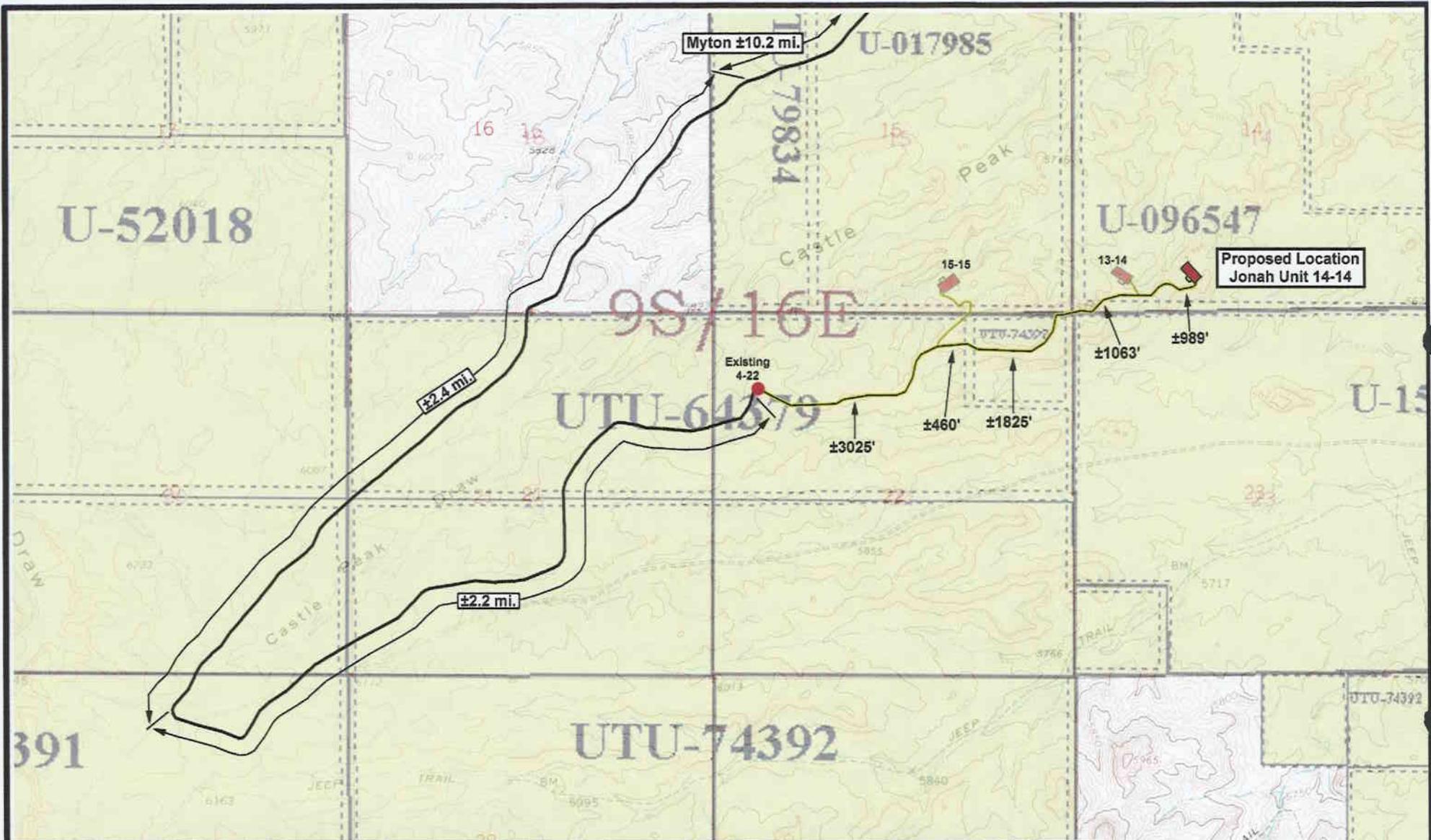
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'  
DRAWN BY: bgm  
DATE: 10-01-2004

**Legend**

- Existing Road
- Proposed Access

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



**NEWFIELD**  
Exploration Company

**Jonah Unit 14-14-9-16**  
**SEC. 14, T9S, R16E, S.L.B.&M.**

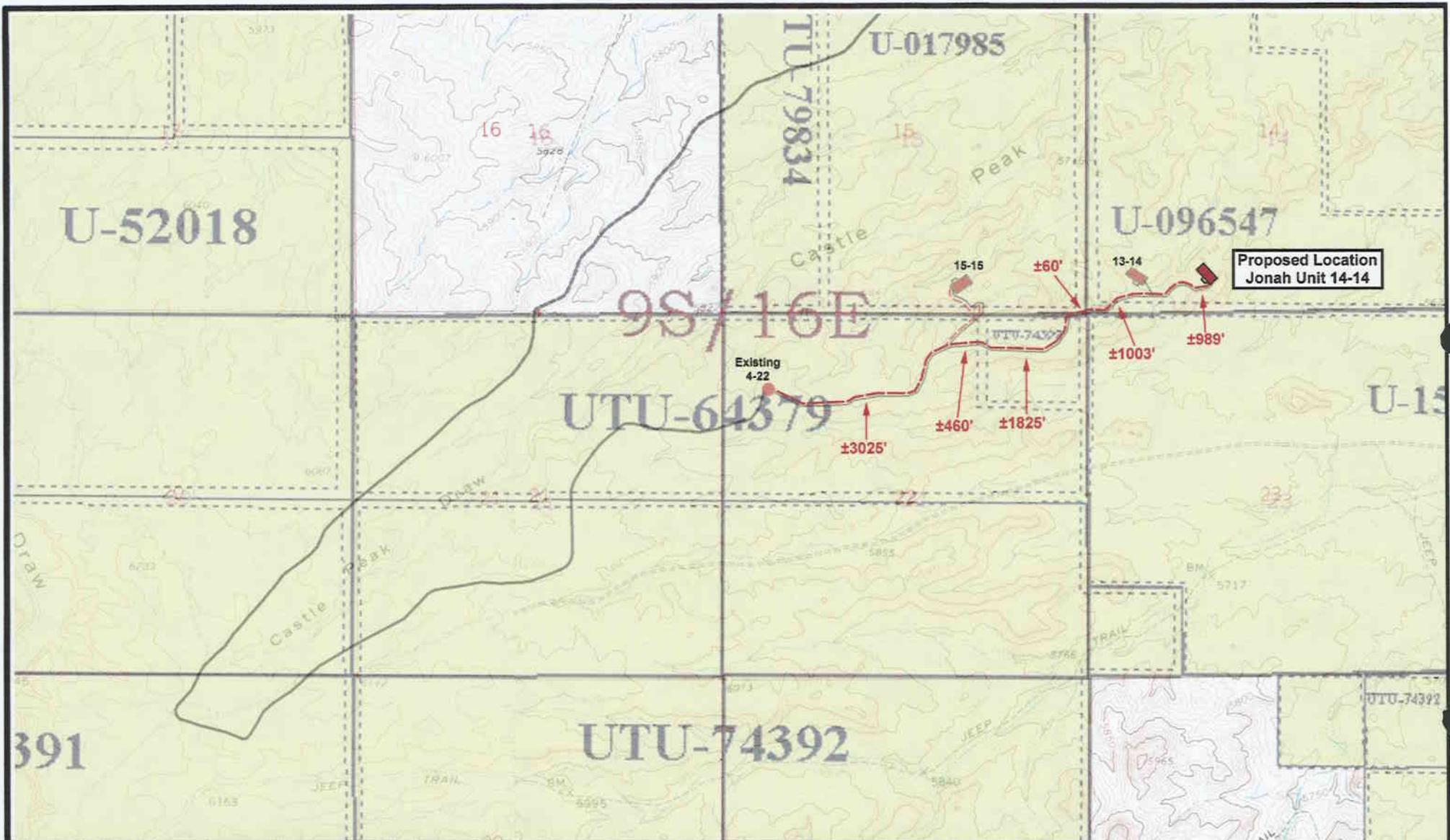
*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 06-29-2004

**Legend**

— Existing Road  
— Proposed Access

**"B"**



Proposed Location  
Jonah Unit 14-14

 **NEWFIELD**  
Exploration Company

**Jonah Unit 14-14-9-16**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



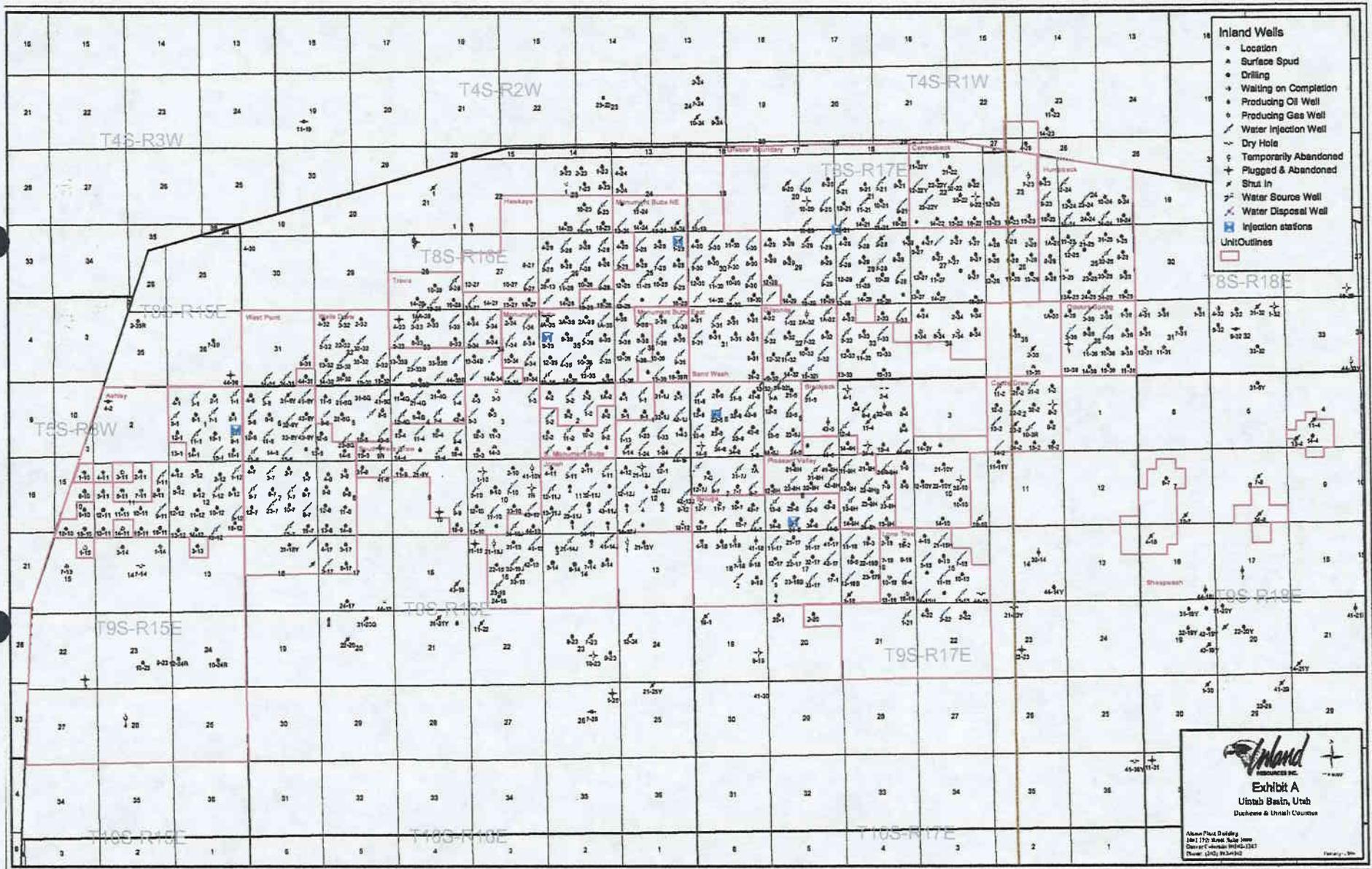
**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

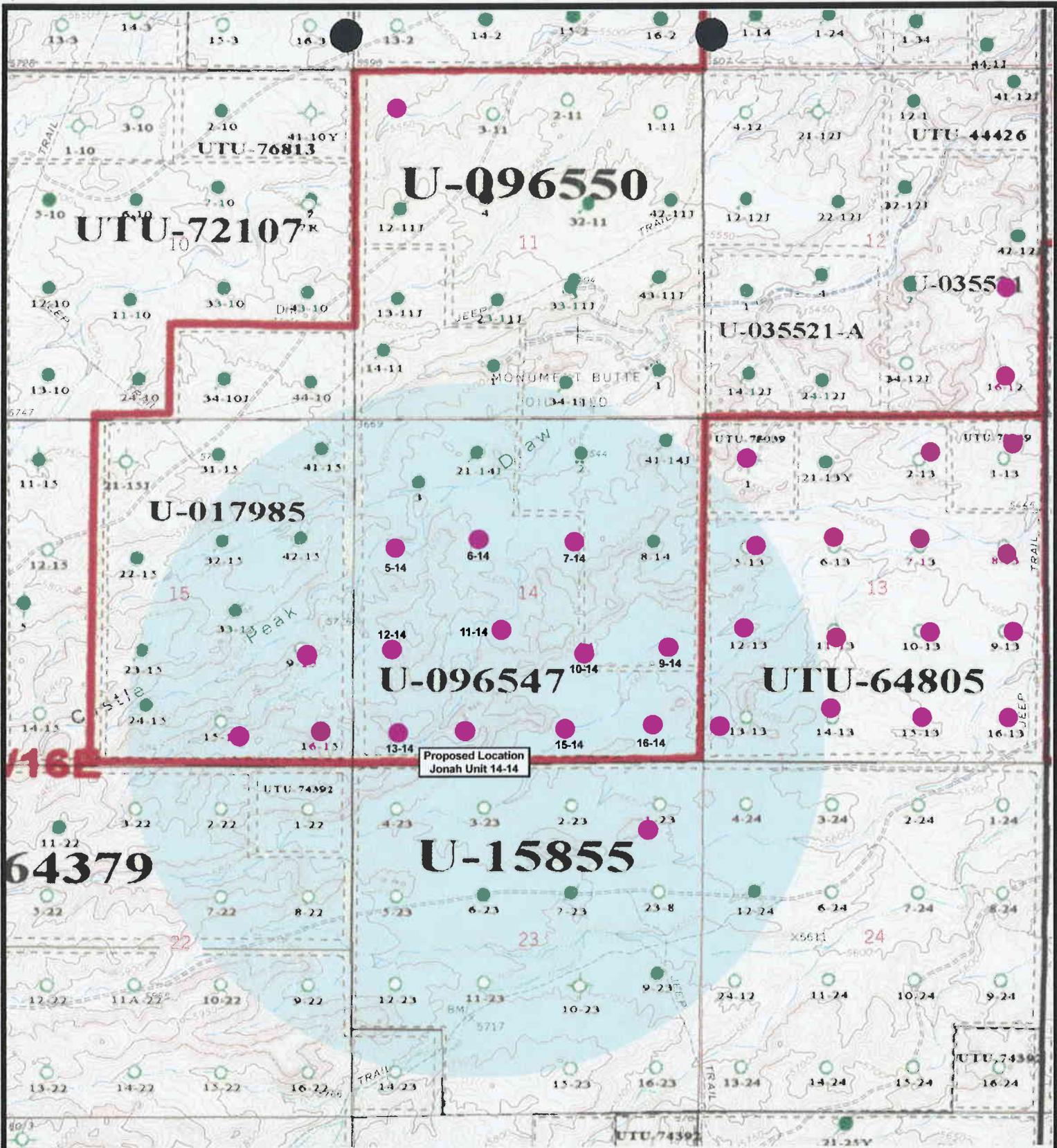
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DRAWN BY: bgm  
DATE: 06-29-2004

**Legend**

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

**"C"**





**R16E**

Proposed Location  
Jonah Unit 14-14

**NEWFIELD**  
Exploration Company

**Jonah Unit 14-14**  
**SEC. 14, 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: 10-01-2004

**Legend**

- Well Locations
- One Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

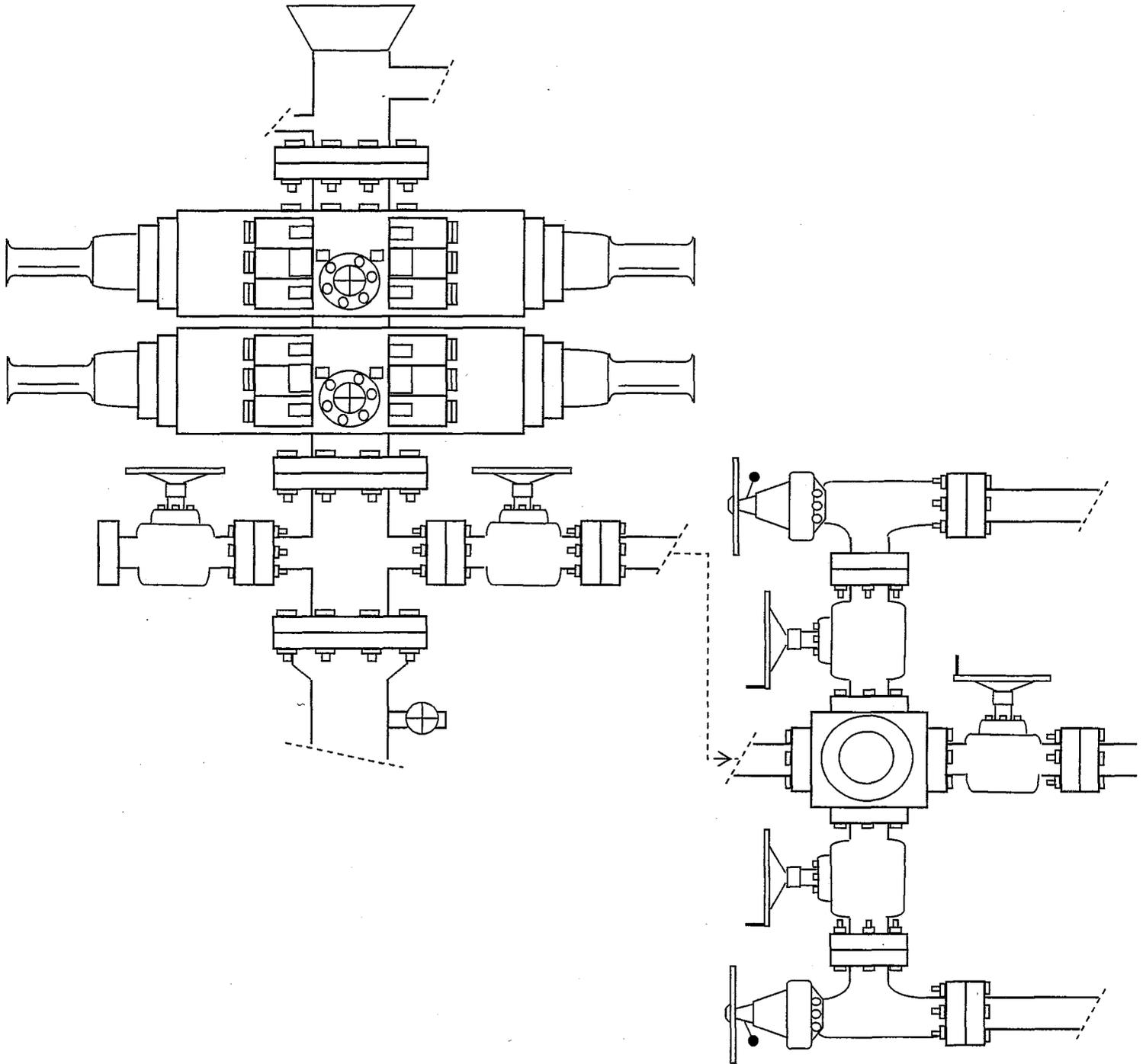


EXHIBIT C

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

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

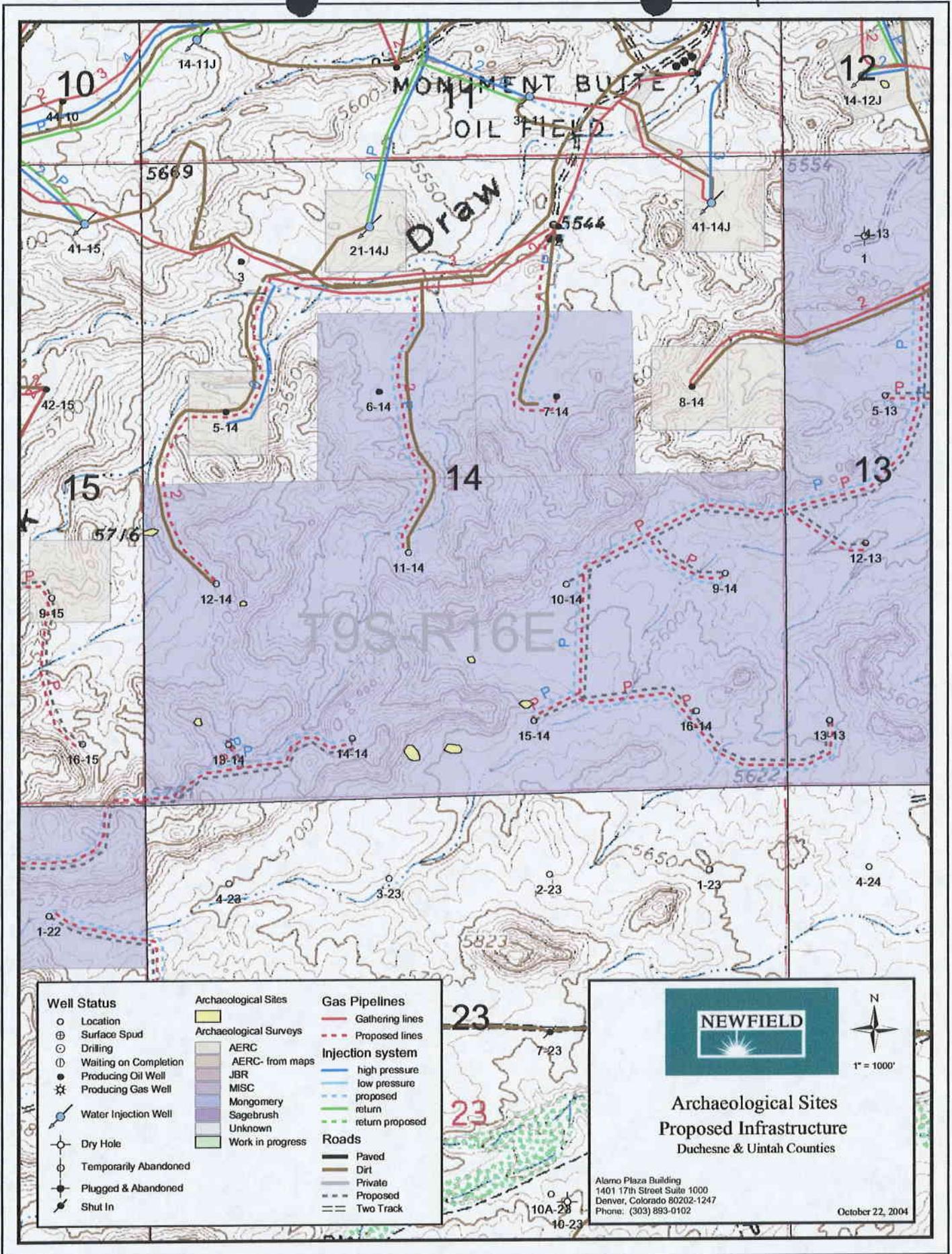
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-44

May 5, 2003

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

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



**INLAND RESOURCES, INC.**

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

(NE 1/4, SE 1/4, Sec. 10, T 9 S, R 17 E; SE 1/4, NW 1/4 &  
SW 1/4, NE 1/4, Sec. 29, T 8 S, R 17 E; South 1/2 Sec. 14  
T 9 S, R 16 E; and NW 1/4, Sec. 13, T 9 S, R 16 E)

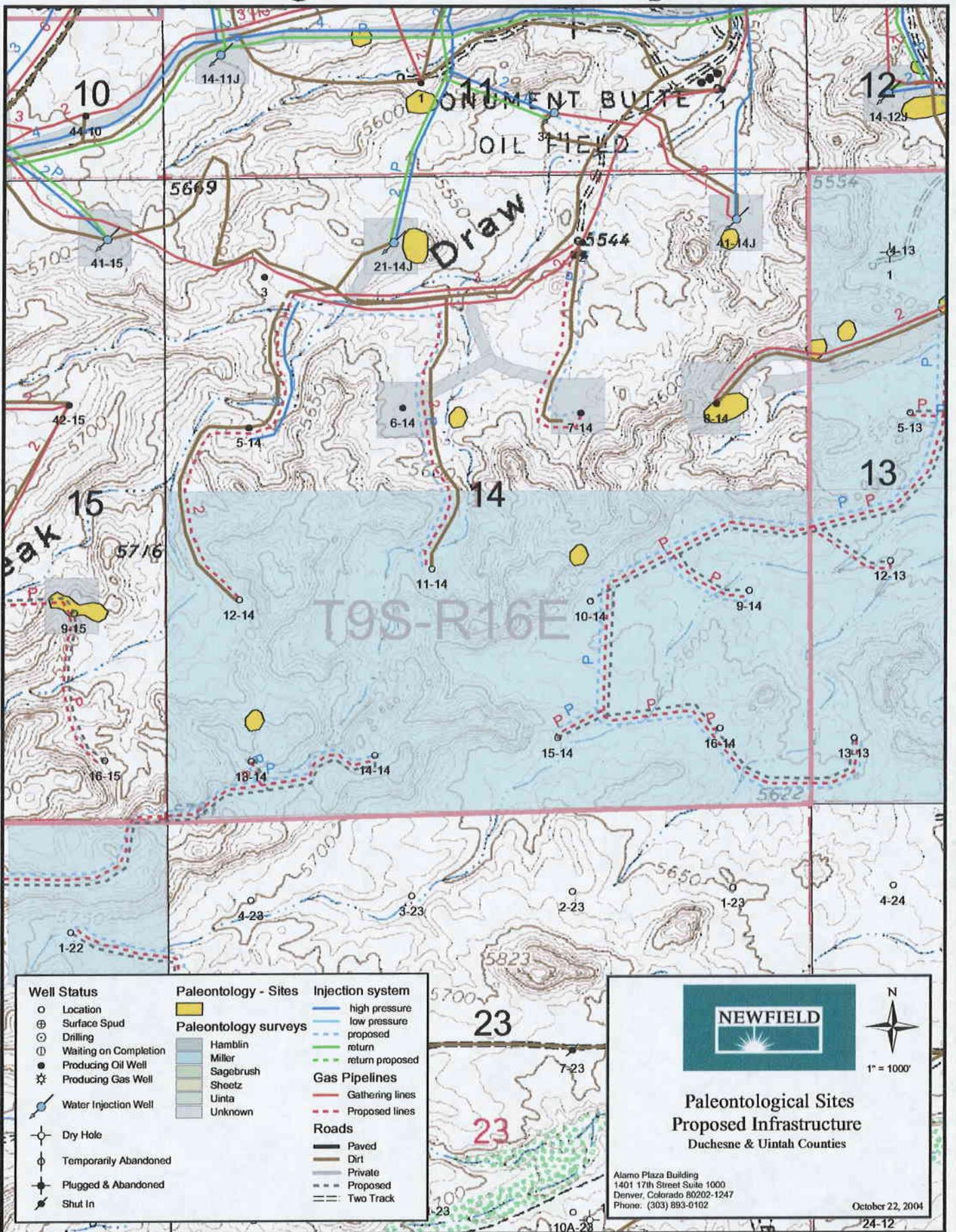
**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
January 8, 2004



- Well Status**
- Location
  - ⊕ Surface Spud
  - ⊙ Drilling
  - ⊖ Waiting on Completion
  - Producing Oil Well
  - ⊛ Producing Gas Well
  - ⊕ Water Injection Well
  - ⊖ Dry Hole
  - ⊙ Temporarily Abandoned
  - ⊛ Plugged & Abandoned
  - ⊖ Shut In

- Paleontology - Sites**
- Yellow box: Paleontology sites
- Paleontology surveys**
- Light blue box: Hamblin
  - Light green box: Miller
  - Light yellow box: Sagebrush
  - Light orange box: Sheetz
  - Light purple box: Uinta
  - Light grey box: Unknown

- Injection system**
- Blue line: high pressure
  - Light blue line: low pressure
  - Red dashed line: proposed
  - Green dashed line: return
  - Green dotted line: return proposed
- Gas Pipelines**
- Red line: Gathering lines
  - Red dashed line: Proposed lines
- Roads**
- Black line: Paved
  - Brown line: Dirt
  - Grey line: Private
  - Red dashed line: Proposed
  - Black dashed line: Two Track



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

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

October 22, 2004  
24-12

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/25/2004

API NO. ASSIGNED: 43-013-32697

WELL NAME: JONAH FED 14-14-9-16  
OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESW 14 090S 160E  
SURFACE: 0507 FSL 1684 FWL  
BOTTOM: 0507 FSL 1684 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-096547  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

LATITUDE: 40.02498  
LONGITUDE: -110.0894

RECEIVED AND/OR REVIEWED:

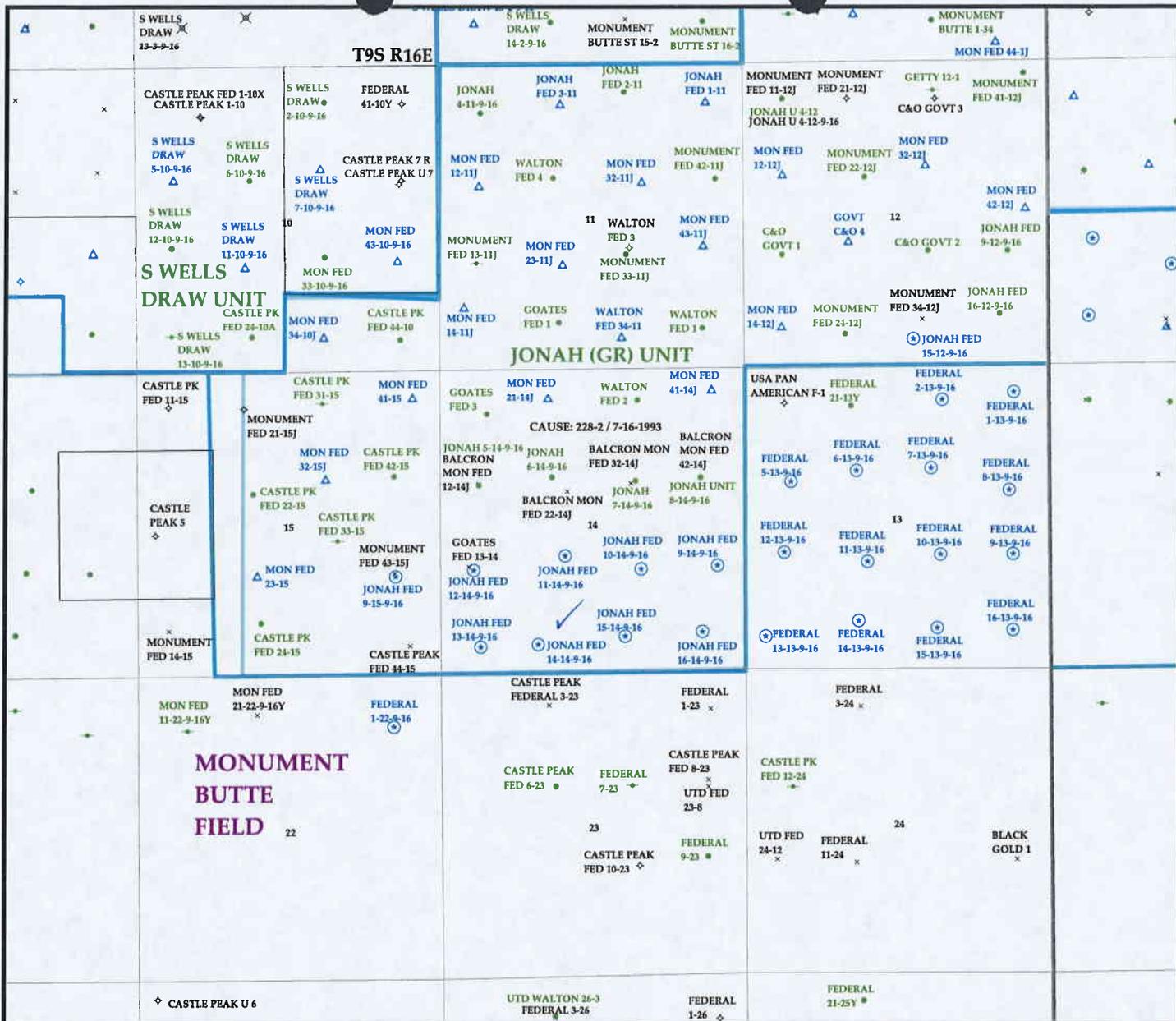
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

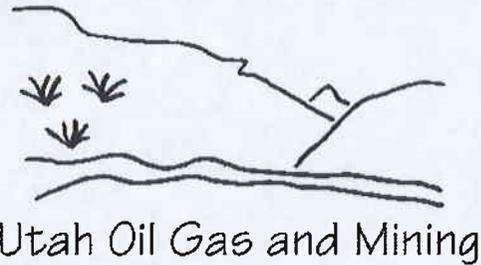
- R649-2-3.
- Unit JONAH (GREEN RIVER)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 228-2  
Eff Date: 7-16-1993  
Siting: 460' fr w b d r y & 920' fr o t h e r w e l l s
- R649-3-11. Directional Drill

COMMENTS: S.P. Separate file

STIPULATIONS: 1- Federal approval



**OPERATOR: NEWFIELD PROD CO (N2695)**  
**SEC. 14 T.9S R.16E**  
**FIELD: MONUMENT BUTTE (105)**  
**COUNTY: DUCHESNE**  
**CAUSE: 228-2 / 7-16-1993**



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



PREPARED BY: DIANA WHITNEY  
 DATE: 26-OCTOBER-2004

## NEWFIELD



October 25, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 14-14-9-16  
1684' FWL, 507' FSL SESW Sec 14-T9S-16E  
Duschene Cty., Utah; Lease UTU-096547

Dear Ms. Whitney:

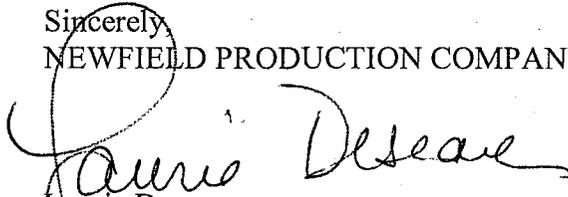
Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 84' west of the drilling window tolerance for the SESW of Sec 14-T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected to due to the existence of a rapture nest.

Please note the location is completely within Federal lease UTU-096547. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau  
Properties Administrator

RECEIVED  
OCT 27 2004  
DIV. OF OIL, GAS & MINING

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

November 1, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District  
 From: Michael Coulthard, Petroleum Engineer  
 Subject: 2004 Plan of Development Jonah Unit, Duchesne  
 County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-013-32696	Jonah Federal	13-14-9-16 Sec 14 T09S R16E 0484 FSL 0688 FWL
43-013-32697	Jonah Federal	14-14-9-16 Sec 14 T09S R16E 0507 FSL 1684 FWL
43-013-32698	Jonah Federal	16-14-9-16 Sec 14 T09S R16E 0657 FSL 0758 FEL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:11-1-04



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*

November 1, 2004

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

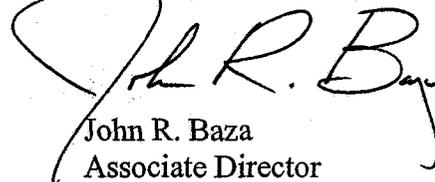
Re: Jonah Federal 14-14-9-16 Well, 507' FSL, 1684' FWL, SE SW, Sec. 14,  
T. 9 South, R. 16 East, Duchesne County, Utah

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 43-013-32697.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Jonah Federal 14-14-9-16

API Number: 43-013-32697

Lease: UTU-096547

Location: SE SW                      Sec. 14                      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.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: JONAH FED 14-14-9-16

Api No: 43-013-32697 Lease Type: FEDERAL

Section 14 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### SPUDDED:

Date 10/11/05

Time 12:00 NOON

How DRY

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

Reported by ALVIN

Telephone # 1-435-823-7468

Date 10/12/05 Signed CHD

RECEIVED

OCT 12 2005

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

DIV. OF OIL, GAS & MINING

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3830  
JAYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-32627	JONAH FEDERAL 15-12-9-16	SWSE	12	9S	16E	DUCHESNE	10/07/05	10/13/05
WELL COMMENTS: <i>GRRU</i>											
B	99999	14844	43-047-35700	FEDERAL 9-13-9-17	NESE	13	9S	17E	UNITAH	10/10/05	10/13/05
WELL COMMENTS: <i>GRRU Sundance</i>											
B	99999	11492	43-013-32697	JONAH FEDERAL 14-14-9-16	SESW	14	9S	16E	DUCHESNE	10/11/05	10/13/05
WELL COMMENTS: <i>GRRU</i>											
	99999										
	99999										
WELL COMMENTS:											
	99999										
WELL 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 (gas or oil 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 Kett*  
 Signature Kim Kett's  
 Production Clerk October 12, 2005  
 Title Date

10/12/2005 10:45 4356463031

INLAND

PAGE 02

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.  
UTU096547

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
JONAH FEDERAL 14-14-9-16

9. API Well No.  
4301332697

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
507 FSL 1684 FWL  
SE/SW Section 14 T9S R16E

**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 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 10-11-05 MIRU Ross # 24. Spud well @ 12:00am. Drill 303' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 312.58' On 10/15/05 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature <i>Don Bastian</i>	Date 10/16/2005

**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

OCT 18 2005

DIV. OF OIL, GAS & MINING

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

8 5/8 CASING SET AT 312.58

LAST CASING 8 5/8" SET AT 312.58'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 303 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 14-14-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 40.09'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.68	
		<b>GUIDE</b> shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			302.58	
TOTAL LENGTH OF STRING		302.58	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>312.58</b>	
TOTAL		300.73	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		300.73	7					
TIMING		1ST STAGE		GOOD CIRC THRU JOB			Yes	
BEGIN RUN CSG.		Spud	12:00pm	10/11/2005	Bbls CMT CIRC TO SURFACE			5 bbls.
CSG. IN HOLE			10:00am	10/12/2005	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN CIRC			4:43pm	10/15/2005	BUMPED PLUG TO			120 PSI
BEGIN PUMP CMT			4:52pm	10/15/2005				
BEGIN DSPL. CMT			5:04pm	10/15/2005				
PLUG DOWN			5:15pm	10/15/2005				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Don Bastian DATE 10/15/2005

**RECEIVED**  
**OCT 18 2005**

OCT 25 2004  
BUREAU OF LAND MANAGEMENT, UTAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-096547

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

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

8. Lease Name and Well No.  
Jonah Federal 14-14-9-16

9. API Well No.  
*43-013-32697*

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/SW Sec. 14, 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  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface SE/SW 507' FSL 1684' FWL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 24.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 507' f/lse, 507' f/unit

16. No. of Acres in lease  
600.00

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. 1,019'

19. Proposed Depth  
6000'

20. BLM/BIA Bond No. on file  
#4488944

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5740' GL

22. Approximate date work will start\*  
1st Quarter 2005

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

24. Attachments

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

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

25. Signature: *Mandie Crozier* Name (Printed/Typed): Mandie Crozier Date: 10/21/04  
Title: Regulatory Specialist

Approved by (Signature): *Ronald B. Leary* Name (Printed/Typed): Office: Date: 06/23/2005  
Title: Assistant Field Manager Mineral Resources

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

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

\*(Instructions on reverse)

UDDGM  
NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

05JMO154A

No. 105

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Operator/Company: Newfield Production Co.

Well Name/Number: Federal 14-14- 9-16

API Number: 43-013-32697

Location: SESW. Sec. 14 T 9S R.16E

Lease Number: UTU-096547

Agreement Name (If Applicable): N/A

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

**CONDITIONS OF APPROVAL**

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

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

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

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

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

No additional Surface Conditions

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)  
 507 FSL 1684 FWL  
 SE/SW    Section 14 T9S R16E

5. Lease Serial No.  
 UTU096547

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 JONAH FEDERAL 14-14-9-16

9. API Well No.  
 4301332697

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletes 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 10/19/05 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 @ 248'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5800'. 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, 130 jt's of 5.5 J-55, 15.5# csgn. Set @ 5774.53/KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 23.5 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 96,000 #'s tension. Release rig @ 6:00am 10/25/05.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Don Bastian	Title Drilling Foreman
Signature 	Date 10/25/2005

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

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

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

(Instructions on reverse)

**RECEIVED**

**OCT 26 2005**

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

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

5 1/2" CASING SET AT 5774.53

LAST CASING 8 5/8" SET /312'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE  
 TD DRILLER 5800 LOGGER 5786  
 HOLE SIZE 7 7/8"

Flt cllr @ 5730.93  
 OPERATOR Newfield Production Company  
 WELL Jonah Federal 14-14-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Union #14

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>Short jt</b> 3755.52 (6.34')					
129	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5716.93
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.35
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5776.53
TOTAL LENGTH OF STRING		5776.53	130	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		90.23	2	CASING SET DEPTH			<b>5774.53</b>
TOTAL		<b>5851.51</b>	132	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5851.51	132				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB <u>YES</u>			
BEGIN RUN CSG.		10/24/2005	6:30 PM	Bbls CMT CIRC TO SURFACE <u>23.5</u>			
CSG. IN HOLE		10/24/2005	10:00 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>			
BEGIN CIRC		10/24/2005	10:00 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN PUMP CMT		10/24/2005	11:39 PM	BUMPED PLUG TO <u>2193</u> PSI			
BEGIN DSPL. CMT		10/25/2005	12:41 AM				
PLUG DOWN		10/25/2005	1:08 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	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					
2	425	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 10/25/2005

**RECEIVED**  
**OCT 26 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.  
UTU096547

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
JONAH FEDERAL 14-14-9-16

9. API Well No.  
4301332697

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)  
507 FSL 1684 FWL  
SE/SW Section 14 T9S R16E

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

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

COPIES SENT TO OPERATOR  
Date: 12-1-05  
Initials: CHD

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Mandie Crozier

Signature *Mandie Crozier*

Title  
Regulatory Specialist

Date  
11/23/2005

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

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

Accepted by the \_\_\_\_\_  
Oil, Gas and Mining Office

Federal Approval Of This \_\_\_\_\_  
Action Is Necessary

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 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.

Date: 11/29/05

By: *[Signature]*

**RECEIVED**

NOV 28 2005

DIV. OF OIL, GAS & MINING

(Instructions on reverse)

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

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435.646.3721

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SE/SW Section 14 T9S R16E

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UTU096547

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JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 14-14-9-16

9. API Well No.

4301332697

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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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 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	

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

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

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

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crezler

Title

Regulatory Specialist

Signature

Date

11/23/2005

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

Approved by

Title

Date

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Office

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(Instructions on reverse)

**RECEIVED**

**NOV 28 2005**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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JONAH FEDERAL 14-14-9-16

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507 FSL 1684 FWL  
SE/SW Section 14 T9S R16E

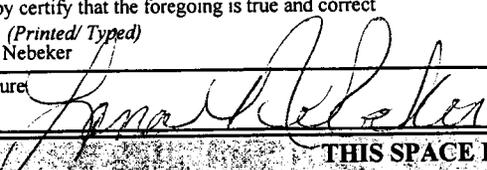
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	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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Status report for time period 11/10/05 - 11/22/05

Subject well had completion procedures initiated in the Green River formation on 11-10-05 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5508'-5520'),(5470'-5479'),(5050'-5072'); Stage #2 (4828'-4839'); Stage #3 (4596'-4604'); Stage #4 (4137'-4142'),(4044'-4050'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 11-17-2005. Bridge plugs were drilled out and well was cleaned to 5729'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 11-22-2005.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Lana Nebeker	Production Clerk
Signature 	Date 12/14/2005

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

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

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

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

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 1b. TYPE OF WELL  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-096547**  
 6. IF INDIAN ALLOTTEE OR TRIBE NAME  
**NA**  
 7. UNIT AGREEMENT NAME  
**Jonah**  
 8. FARM OR LEASE NAME, WELL NO.  
**Jonah Federal 14-14-9-16**

2. NAME OF OPERATOR  
**Newfield Exploration Company**  
 3. ADDRESS AND TELEPHONE NO.  
**1401 17th St. Suite 1000 Denver, CO 80202**

9. WELL NO.  
**43-013-32697**  
 10. FIELD AND POOL OR WILDCAT  
**Monument Butte**  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 14, T9S, R16E**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface **507' FSL & 1684' FWL (SE/SW) Sec. 14, T9S, R16E**  
 At top prod. Interval reported below

14. API NO. **43-013-32697** DATE ISSUED **11/1/04**  
 12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

15. DATE SPUDDED **10/11/05** 16. DATE T.D. REACHED **10/24/05** 17. DATE COMPL. (Ready to prod.) **11/22/05** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5752' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5800'** 21. PLUG BACK T.D., MD & TVD **5729'** 22. IF MULTIPLE COMPL. HOW MANY\* **----->** 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Green River 4044'-5520'**  
 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. 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#	5775'	7-7/8"	350 sx Premlite II and 425 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5583'	TA @ 5482'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1&2) 5470'-5479', 5508'-5520'	.41"	4/84	5470'-5520'	Frac w/ 30,835# 20/40 sand in 393 bbls fluid
(A1) 5050'-5072'	.43"	4/88	5050'-5072'	Frac w/ 100,886# 20/40 sand in 724 bbls fluid
(B1) 4828'-4839'	.43"	4/44	4828'-4839'	Frac w/ 70,362# 20/40 sand in 537 bbls fluid
(D1) 4596'-4604'	.43"	4/32	4596'-4604'	Frac w/ 28,955# 20/40 sand in 336 bbls fluid
(GB4&6) 4044'-4050', 4137'-4142'	.43"	4/44	4044'-4142'	Frac w/ 31,600# 20/40 sand in 333 bbls fluid

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

33. PRODUCTION

DATE FIRST PRODUCTION **11/22/05** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.S.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	74	20	42	270

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 **RECEIVED**

35. LIST OF ATTACHMENTS

**JAN 03 2006**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED *Mandie Crozier* DATE **12/29/2005**  
 Regulatory Specialist  
 DIV. OF OIL, GAS & MINING

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name Jonah Federal 14-14-9-16</b>	Garden Gulch Mkr	<b>3570'</b>	
				Garden Gulch 1	<b>3776'</b>	
				Garden Gulch 2	<b>3885'</b>	
				Point 3 Mkr	<b>4152'</b>	
				X Mkr	<b>4400'</b>	
				Y-Mkr	<b>4433'</b>	
				Douglas Creek Mkr	<b>4553'</b>	
				BiCarbonate Mkr	<b>4785'</b>	
				B Limestone Mkr	<b>4896'</b>	
				Castle Peak	<b>5417'</b>	
				Basal Carbonate		
				Total Depth (LOGGERS)	<b>5786'</b>	



June 18, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Jonah Federal #14-14-9-16  
Monument Butte Field, Lease #UTU-096547  
Section 14-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #14-14-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long horizontal flourish extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**JUN 28 2010**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH FEDERAL #14-14-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-096547**  
**JUNE 18, 2010**

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# Jonah Federal 14-14-9-16

Spud Date: 10-11-05  
 Put on Production: 11-22-05  
 GL: 5740' KB: 5752'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

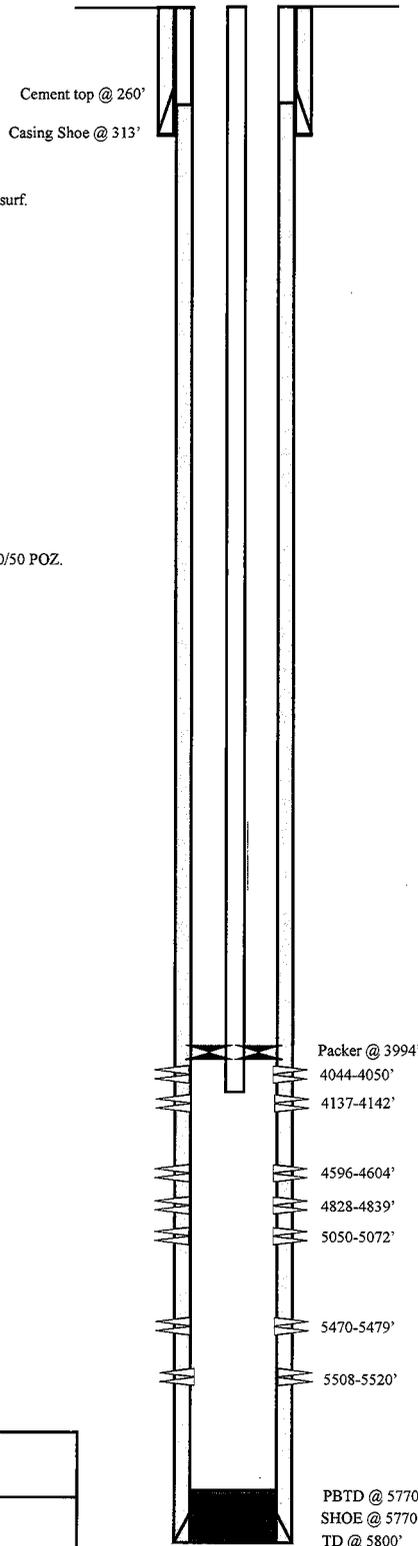
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.68')  
 DEPTH LANDED: 312.58' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5761.28')  
 DEPTH LANDED: 5774.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 260'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 /  
 NO. OF JOINTS: 168 jts (5417.0')  
 TUBING ANCHOR: 5427'  
 NO. OF JOINTS: 2 jts (64.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5494.7'  
 NO. OF JOINTS: 1 jts (32.4')  
 TOTAL STRING LENGTH: EOT @ 5529'



### FRAC JOB

11-14-05	5470-5520'	<b>Frac CP1, &amp; CP2 sands as follows:</b> 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.
11-15-05	5050-5072'	<b>Frac A1 sands as follows:</b> 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.
11-15-05	4828-4839'	<b>Frac B1 sands as follows:</b> 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.
11-15-05	4596-4604'	<b>Frac D1 sands as follows:</b> 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 w/ avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.
11-15-05	4044-4142'	<b>Frac GB4, &amp; GB6 sands as follows:</b> 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 w/avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.
05/02/07	<b>Tubing Leak</b>	Rod & Tubing detail updated.
09/11/07	<b>Tubing Leak</b>	Rod & Tubing detail updated.
7-21-08	<b>Tubing Leak</b>	Tubing Leak. Updated rod & tubing details.
1/29/10	<b>Tubing Leak</b>	Parted rods. Updated rod and tubing detail.

### PERFORATION RECORD

11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes



**Jonah Federal 14-14-9-16**

507' FSL & 1684' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32697; Lease #UTU-096547

## 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 Jonah Federal #14-14-9-16 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 Jonah Federal #14-14-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3885' - 5770'). 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 3570' and the TD is at 5800'.

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

The referenced log for the Jonah Federal #14-14-9-16 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-096547) 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 5775' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

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

See Attachment F.

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1744 psig.

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

The minimum fracture gradient for the Jonah Federal #14-14-9-16, for existing perforations (4044' - 5520') calculates at 0.87 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 1744 psig. We may add additional perforations between 3570' and 5800'. See Attachments G and G-1.

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

In the Jonah Federal #14-14-9-16, the proposed injection zone (3885' - 5770') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-15.

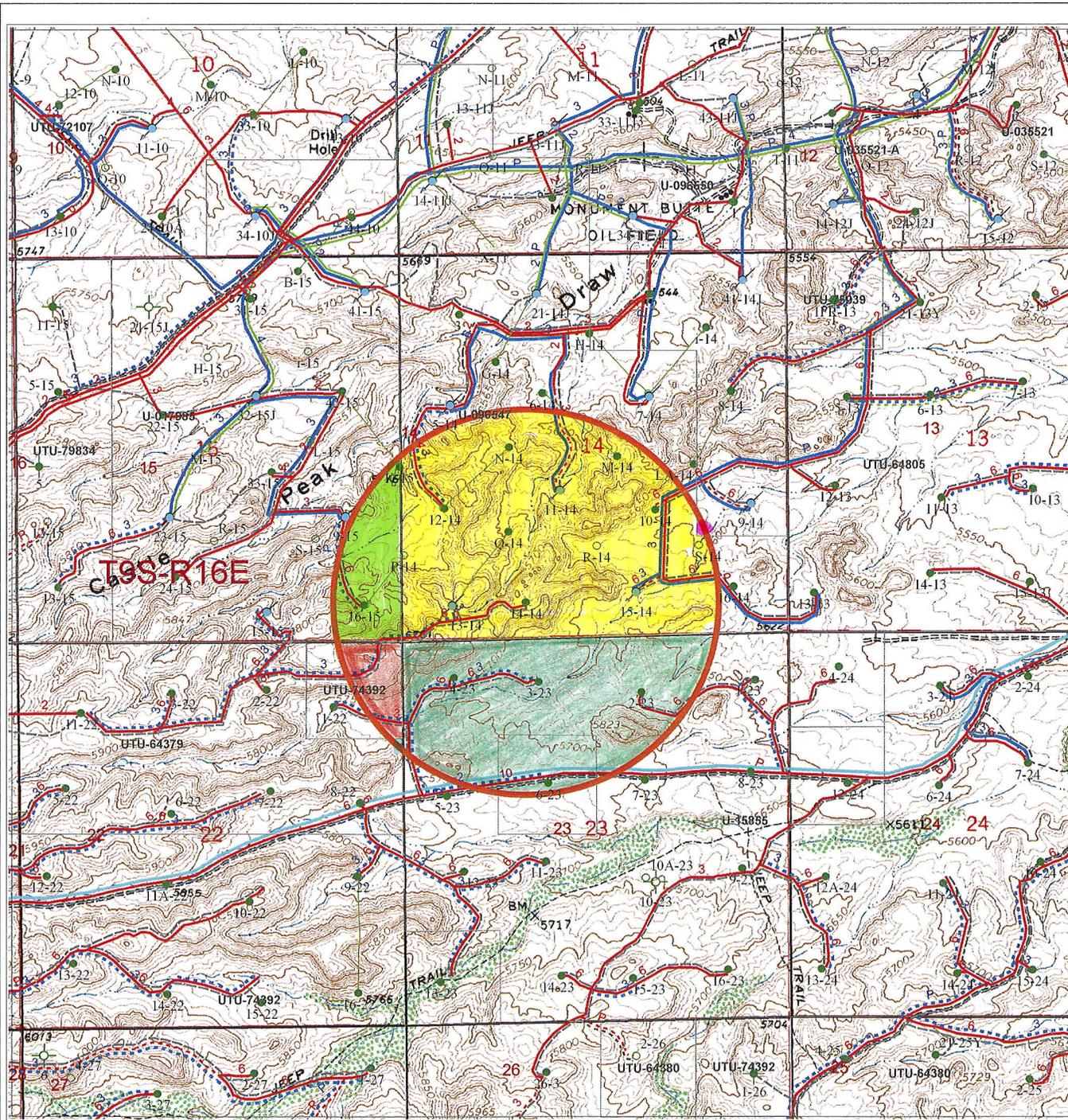
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**Well Status**

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

**Injection system**

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

**Leases**

- ▭ Mining tracts

**Gas Pipelines**

- Gathering lines
- - - Proposed lines
- ▭ 14-14-9-16 1/2mile radius

- ▭ UTU-096547
- ▭ UTU-017985
- ▭ UTU-74392
- ▭ UTU-64379
- ▭ UTU-15855
- ▭ UTU-096550

# Attachment A

Jonah Federal 14-14-9-16  
Section 14, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1" = 2000'

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

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

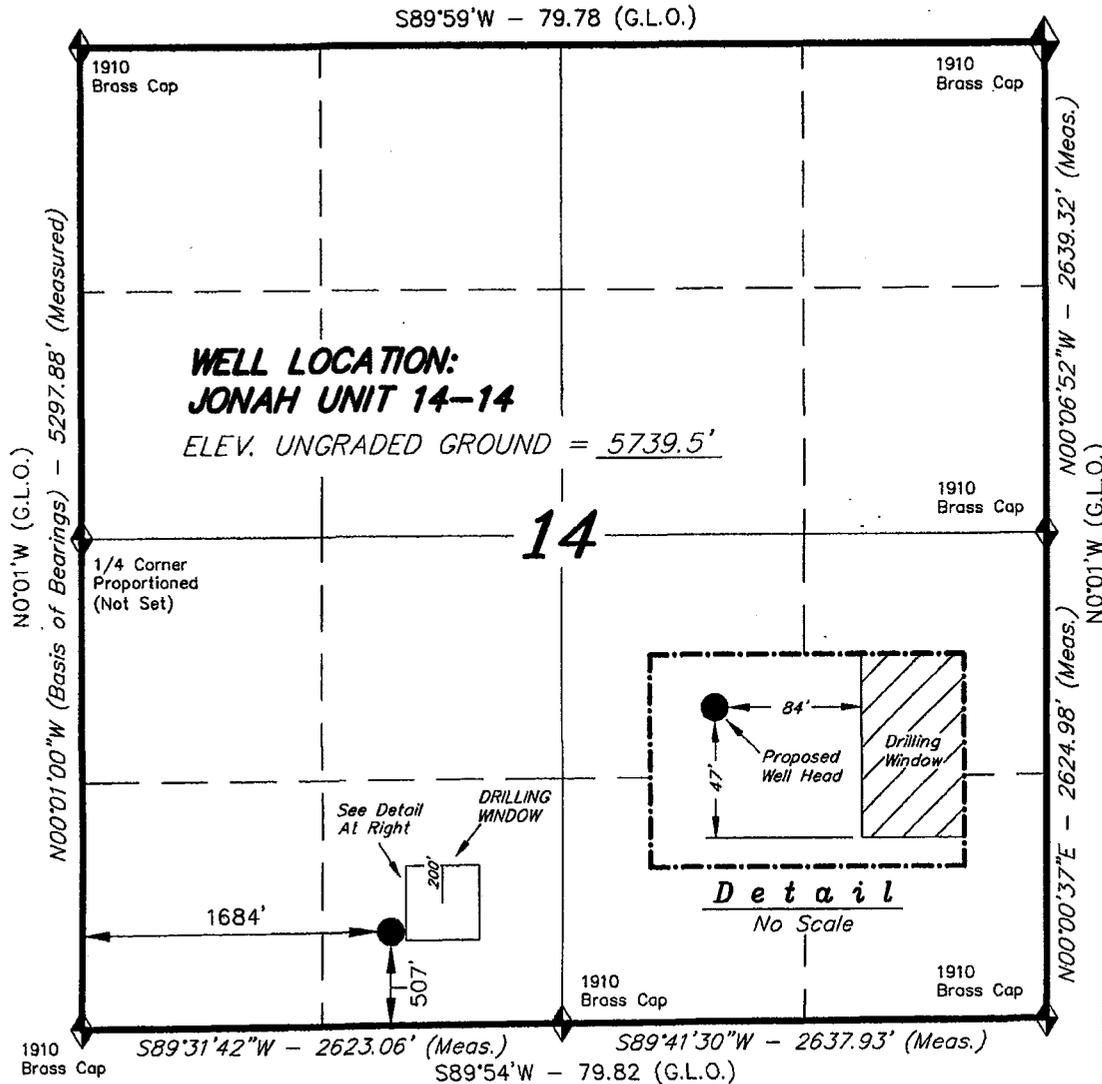
February 24, 2010

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

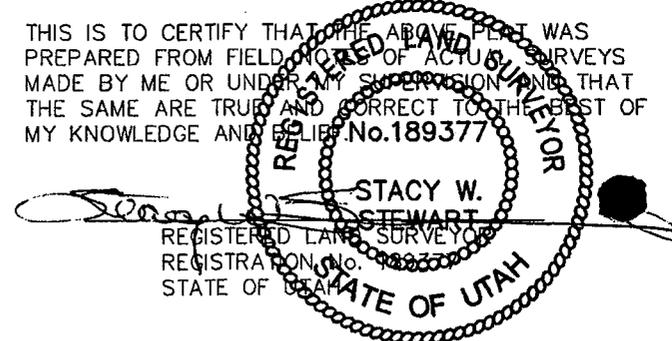
INLAND PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT 14-14,  
 LOCATED AS SHOWN IN THE SE 1/4 SW  
 1/4 OF SECTION 14, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

Attachment A-1



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



◆ = SECTION CORNERS LOCATED

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

## TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000' SURVEYED BY: D.J.S.

DATE: 8-25-04 DRAFTED BY: F.T.M.

NOTES: FILE #

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>Township 9 South, Range 16 East SLM</u> Section 11: W2SW, SESW Section 14: W2, SWNE, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>Township 9 South, Range 16 East SLM</u> Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>Township 9 South, Range 16 East SLM</u> Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company ABO Petroleum Corporation MYCO Industries, Inc.	USA
4	<u>Township 9 South, Range 16 East SLM</u> Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: Lots 3-4, E2SW, SE Section 19: Lots 1-2, NE, E2NW Section 21: N2 Section 22: NW, W2NE, SENE	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation	USA

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
5	<u>Township 9 South, Range 16 East SLM</u> 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 Corporation	USA
6	<u>Township 9 South, Range 16 East SLM</u> Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #14-14-9-16

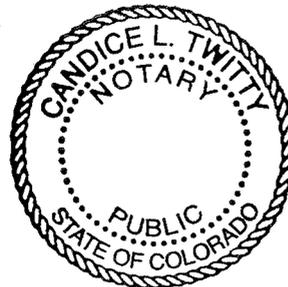
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 21<sup>st</sup> day of June, 2010.

Notary Public in and for the State of Colorado: 

My Commission Expires: 02/10/2013



## Jonah Federal 14-14-9-16

Spud Date: 10-11-05  
Put on Production: 11-22-05

Initial Production: BOPD,  
MCFD, BWPD

GL: 5740' KB: 5752'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.68')  
DEPTH LANDED: 312.58' 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: 130 jts. (5761.28')  
DEPTH LANDED: 5774.53' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: 260'

#### TUBING

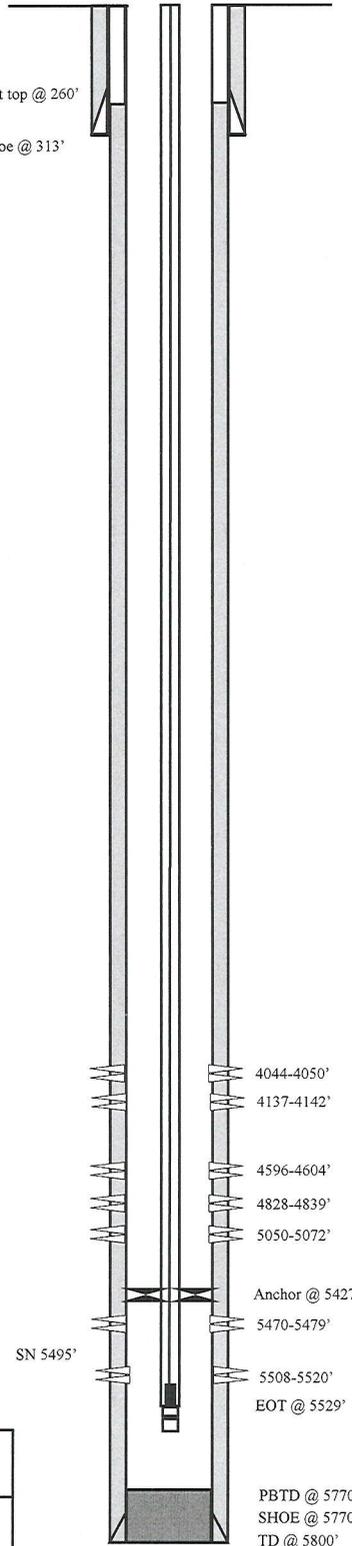
SIZE/GRADE/WT.: 2-7/8" / J-55 /  
NO. OF JOINTS: 168 jts (5417.0')  
TUBING ANCHOR: 5427'  
NO. OF JOINTS: 2 jts (64.9')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5494.7'  
NO. OF JOINTS: 1 jts (32.4')  
TOTAL STRING LENGTH: EOT @ 5529'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 214- 3/4" guided rods (4 per), 6- 1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4

#### FRAC JOB

11-14-05	5470-5520'	<b>Frac CP1, &amp; CP2 sands as follows:</b> 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.
11-15-05	5050-5072'	<b>Frac A1 sands as follows:</b> 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.
11-15-05	4828-4839'	<b>Frac B1 sands as follows:</b> 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.
11-15-05	4596-4604'	<b>Frac D1 sands as follows:</b> 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.
11-15-05	4044-4142'	<b>Frac GB4, &amp; GB6 sands as follows:</b> 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 w/avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.
05/02/07	<b>Tubing Leak</b>	Rod & Tubing detail updated.
09/11/07	<b>Tubing Leak</b>	Rod & Tubing detail updated.
7-21-08		Tubing Leak. Updated rod & tubing details.
1/29/10		Parted rods. Updated rod and tubing detail.



#### PERFORATION RECORD

11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes



**NEWFIELD**

**Jonah Federal 14-14-9-16**

507' FSL & 1684' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

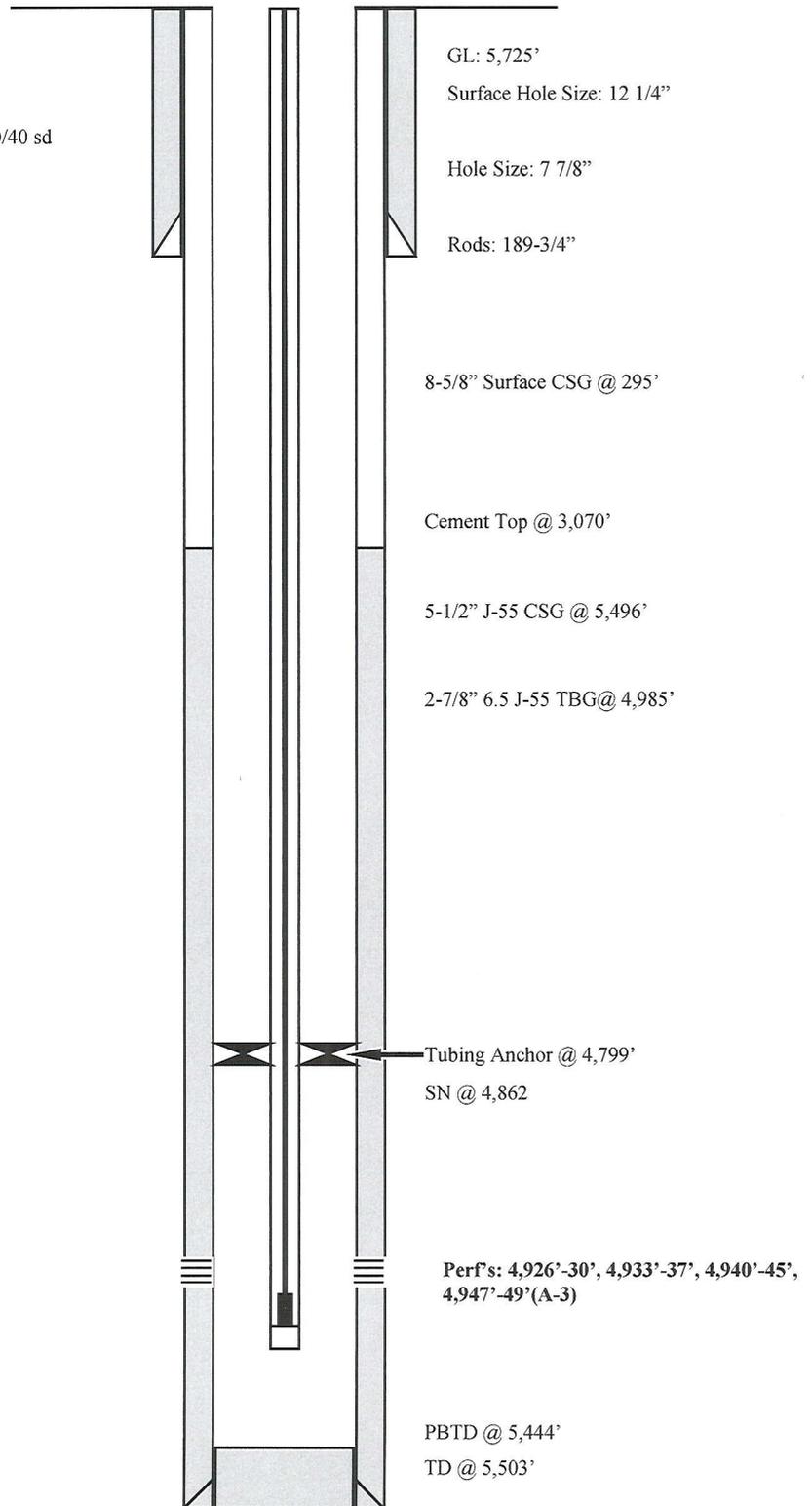
API #43-013-32697; Lease #UTU-096547

## Castle Peak Federal #6-23

Wellbore Diagram

**Well History:**

7-11-84	Spud Well
8-19-84	Perf: 4,926'-4,947'
8-22-84	Frac A-3 zone as follows: Totals 29,000 gal, 96,500# 20/40 sd Max TP 3,500 @ 30 BPM Avg TP 2,000 @ 29 BPM ISIP 1,950, after 5 min 1,770



Castle Peak Federal #6-23  
 1970 FWL 1980 FNL  
 SENWSection 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30873; Lease #U-15855

# FEDERAL 3-23-9-16

Spud Date: 01/08/08  
 Put on Production: 03/07/08  
 GL: 5680' KB: 5692'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (284.85')  
 DEPTH LANDED: 296.70' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 130 jts. (5811.31')  
 DEPTH LANDED: 5781.17' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz  
 CEMENT TOP: 92'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 207 jts (6513.88')  
 TUBING ANCHOR: 6525.88' KB  
 NO. OF JOINTS: 1jts (31.45')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4943' KB  
 NO. OF JOINTS: 2jts (62.37')  
 TOTAL STRING LENGTH: EOT @ 5006.62' KB

### SUCKER RODS

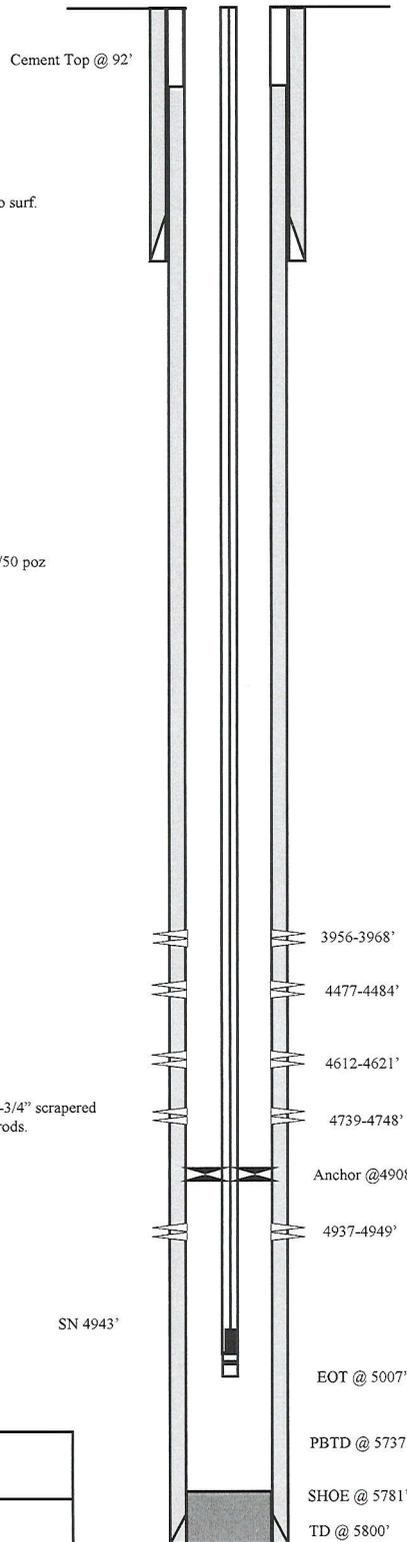
POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2, 1-4', 1-6', 1-8' X 3/4" Pony Subs, 92-3/4" scraped rods, 77-3/4" slick rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' x 10' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5.5 SPM:

### FRAC JOB

02/28/08	4937-4949'	<b>Frac A3 sands as follows:</b> 60177# 20/40 sand in 519 bbls Lightning 17 frac fluid. Treated @ avg press of 2021 psi w/avg rate of 23.3 BPM. ISIP 2150 psi.
02/28/08	4739-4748'	<b>Frac B2 sands as follows:</b> 40603# 20/40 sand in 407 bbl Lightning 17 frac fluid. Treated @ avg press of 1923 psi w/avg rate of 23.2 BPM. ISIP 1964 psi.
02/28/08	4612-4621'	<b>Frac C sands as follows:</b> 25535# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 2360 psi w/avg rate of 23.1 BPM. ISIP 2760 psi.
02/28/08	4477-4484'	<b>Frac D1 sands as follows:</b> 20500# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2099 psi w/avg rate of 23.2 BPM. ISIP 2016 psi.
02/28/08	3956-3968'	<b>Frac GB4 sands as follows:</b> 23017# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 23.0 BPM. ISIP 1817 psi.

### PERFORATION RECORD

4937-4949'	4 JSPF	48 holes
4739-4748'	4 JSPF	36 holes
4612-4621'	4 JSPF	36 holes
4477-4484'	4 JSPF	28 holes
3956-3968'	4 JSPF	48 holes



**NEWFIELD**

---

**FEDERAL 3-23-9-16**

586' FNL & 1849' FWL  
 NE/NW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33176; Lease # 15855

FEDERAL 2-23-9-16

Spud Date: 12/06/07  
 Put on Production: 02/11/08  
 GL: 5678' KB: 5690'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.96')  
 DEPTH LANDED: 324.81' 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: 135 jts. (5818.10')  
 DEPTH LANDED: 5831.23' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz.  
 CEMENT TOP: 156'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 154 jts (4888')  
 TUBING ANCHOR: 4888' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4953.6' KB  
 NO. OF JOINTS: 2 jts (64.2')  
 TOTAL STRING LENGTH: EOT @ 5019' KB

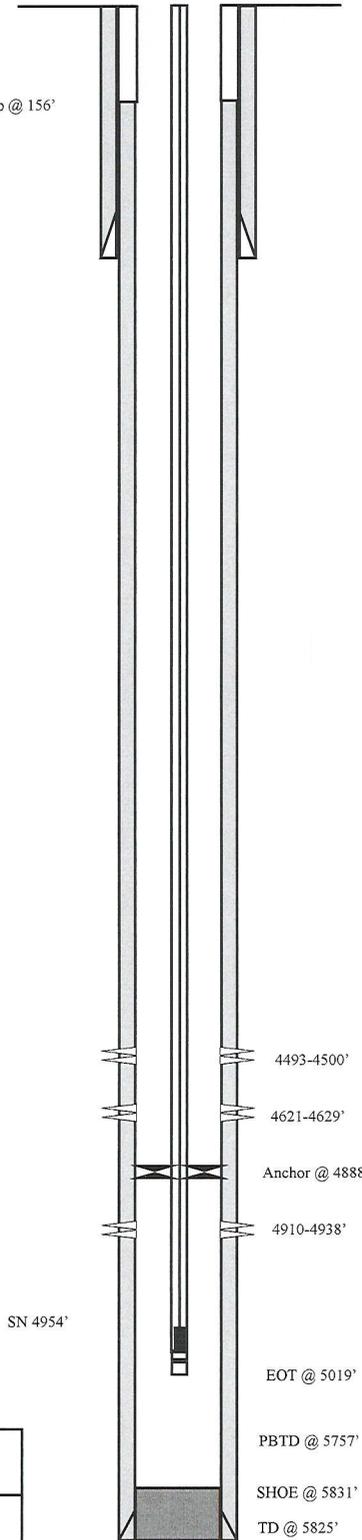
SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1- 2' x 3/4" pony rod, 1- 4' x 3/4" pony rod, 1- 6' x 3/4" pony rod, 1- 8' x 3/4" pony rod, 100- 3/4" guided rods, 72- 3/4" guided rods, 20- 3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20" RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5

FRAC JOB

02/05/08 4910-4938' **Frac A1 sands as follows:**  
 170350# 20/40 sand in 1190 bbl Lightning 17 frac fluid. Treated @ avg press of 1318 psi w/avg rate of 23.6 BPM. ISIP 1809 psi.  
 02/06/08 4621-4629' **Frac C sands as follows:**  
 14890# 20/40 sand in 264 bbl Lightning 17 frac fluid. Treated @ avg press of 1847 psi w/avg rate of 23.5 BPM. ISIP 1806 psi.  
 02/06/08 4493-4500' **Frac D1 sands as follows:**  
 9119# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 2210 psi w/avg rate of 23.5 BPM. ISIP 2088 psi.  
 8-1-08 Pump change. Updated rod & tubing details.  
 12/21/09 Pump change. Updated rod and tubing detail

Cement Top @ 156'



PERFORATION RECORD

4910-4938'	4 JSPF	112 holes
4621-4629'	4 JSPF	32 holes
4493-4500'	4 JSPF	28 holes

**NEWFIELD**

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**FEDERAL 2-23-9-16**

760' FNL & 2032' FEL

NW/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33003; Lease # UTU-15855

# Federal 4-23-9-16

Spud Date: 01-09-08  
 Put on Production: 3-10-08  
 GL: 5716' KB: 5728'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.55')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

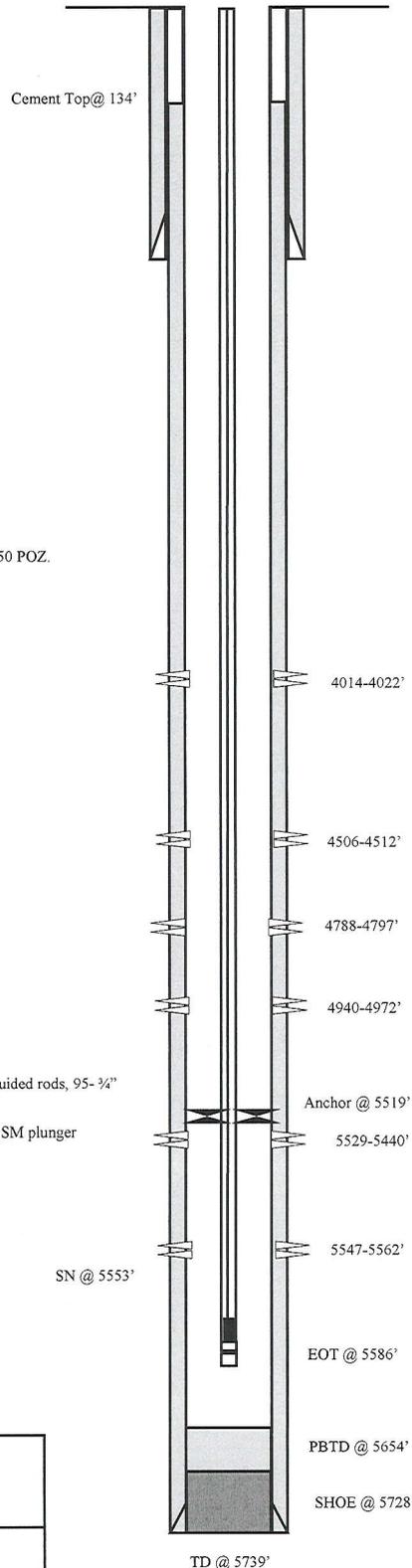
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133jts. (5715.22')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 5728.47'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 134'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 175 jts (5507.16')  
 TUBING ANCHOR: 5519.16'  
 NO. OF JOINTS: 1 jts (31.39')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5553.35' KB  
 NO. OF JOINTS: 1 jts (31.48')  
 TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' X 15.5' RHAC pump w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4



### FRAC JOB

2-29-08	5547-5562'	<b>Frac CP4 sands as follows:</b> Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM. ISIP 1970 psi.
2-29-08	5429-5440'	<b>Frac CP2 sands as follows:</b> Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM. ISIP 1840 psi.
2-29-08	4940-4972'	<b>Frac A1 sands as follows:</b> Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM. ISIP 2105 psi.
2-29-08	4788-4797'	<b>Frac B2 sand as follows:</b> Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM. ISIP 1945 psi.
2-29-08	4506-4512'	<b>Frac D1 sands as follows:</b> Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM. ISIP 1825 psi.
2-29-08	4014-4022'	<b>Frac GB6 sands as follows:</b> Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM. ISIP 1880 psi.

### PERFORATION RECORD

4014-4022'	4 JSPF	32 holes
4506-4512'	4 JSPF	24 holes
4788-4797'	4 JSPF	36 holes
4940-4972'	4 JSPF	128 holes
5429-5440'	4 JSPF	44 holes
5547-5562'	4 JSPF	60 holes



**Federal 4-23-9-16**  
 499' FNL & 685' FWL  
 NWNW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33177; Lease #UTU-15855

# Jonah Federal 15-14-9-16

Spud Date: 5-4-05  
 Put on Production: 6-10-05  
 GL: 5631' KB: 5643'

Initial Production: BOPD 42,  
 MCFD 13, BWPD 161

Injection Wellbore  
 Diagram

**SURFACE CASING**

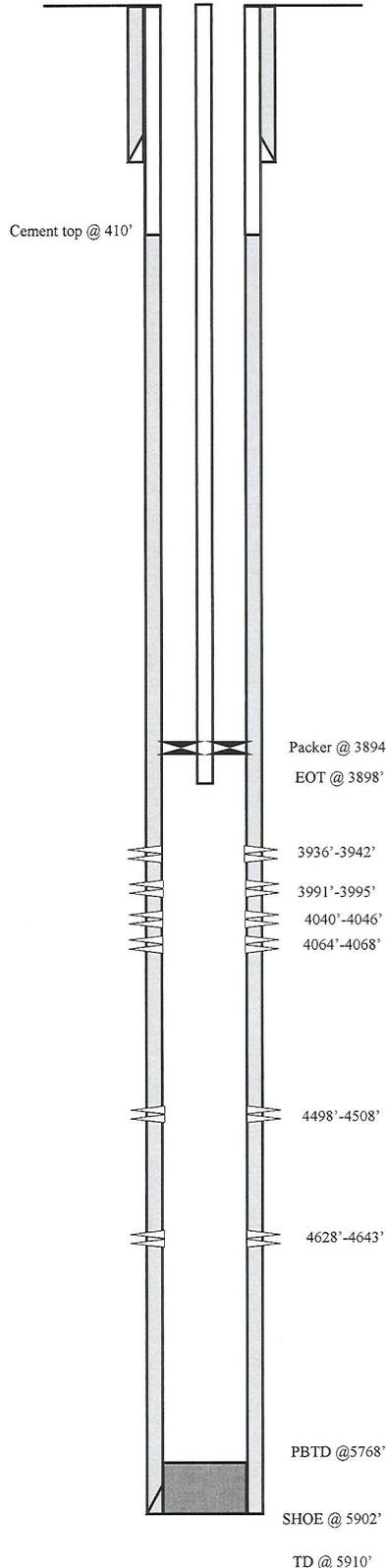
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302-46")  
 DEPTH LANDED: 314.31' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5888.88')  
 DEPTH LANDED: 5902.13' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 410'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 116 jts (3877.64')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3889.64' KB  
 TOTAL STRING LENGTH: EOT @ 3898.24' KB



**FRAC JOB**

6-1-05'	4628-4643'	<b>Frac C sand as follows:</b> 57,701#s 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.5 BPM. ISIP 3700 psi. Screened out short of flush.
6-2-05	4498-4508'	<b>Frac D1 sand as follows:</b> 69,795#s 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4200 gal.
6-2-05	4040-4068'	<b>FracGB6 sand as follows:</b> 28,155#s 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.6 BPM. ISIP 3450 psi. Screened out short of flush.
6-6-05	3936-3942'	<b>Frac GB2 &amp; GB4 sand as follows:</b> 29,409#s 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.4 BPM. ISIP 1900 psi. Calc flush: 3934 gal. Actual flush: 3881 gal.
11/2/06		<b>Well converted to an Injection well.</b>
11/21/06		<b>MIT completed and submitted.</b>

**PERFORATION RECORD**

5-25-05	4628-4643'	4 JSPF	60 holes
6-2-05	4498-4508'	4 JSPF	40 holes
6-2-05	4040-4046'	4 JSPF	24 holes
6-2-05	4064-4068'	4 JSPF	16 holes
6-2-05	3991-3995'	4 JSPF	16 holes
6-2-05	3936-3942'	4 JSPF	24 holes



**Jonah Federal 15-14-9-16**  
 610' FSL & 2096' FEL  
 SW/SE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32689; Lease #UTU-096547

# Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
 Put on Production: 02/02/06  
 GL: 5704' KB: 5716'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.16')  
 DEPTH LANDED: 327.01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

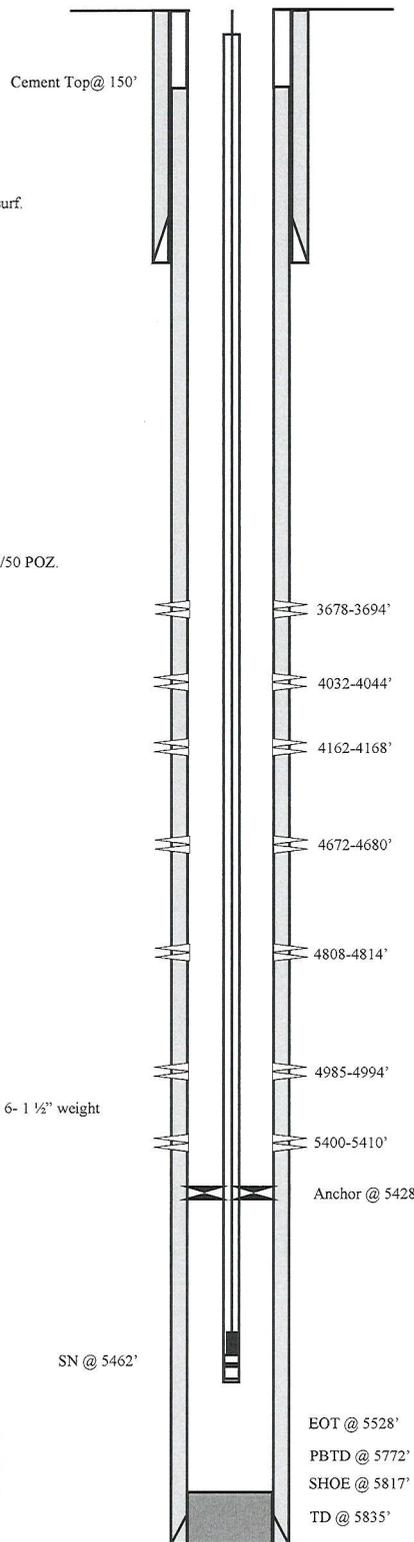
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5818.63')  
 DEPTH LANDED: 5817.88' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 150'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5415.7')  
 TUBING ANCHOR: 5427.7  
 NO. OF JOINTS: 1 jts (31.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5462.2'  
 NO. OF JOINTS: 2 jts (64.4')  
 TOTAL STRING LENGTH: EOT @ 5528'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 3-2"x 3/4" pony rods, 212-3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5



### FRAC JOB

01/25/06	5400-5410'	<b>Frac CP1 sands as follows:</b> 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	<b>Frac A3 sands as follows:</b> 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	<b>Frac B2 sands as follows:</b> 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	<b>Frac C sands as follows:</b> 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	<b>Frac PB8, GB6 sands as follows:</b> 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	<b>Frac GG sands as follows:</b> 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

06-26-06	<b>Parted Rods:</b> Update rod and tubing details.
11-27-06	<b>Pump Change:</b> Updated rod and tubing detail.
9-12-07	<b>Pump change:</b> Updated rod & tubing details.
04/17/08	<b>Pump change:</b> Updated rod & tubing details.
12/11/09	<b>Tubing leak:</b> Updated rod and tubing details.

### PERFORATION RECORD

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes



**Jonah Federal 16-15-9-16**  
 512' FSL & 535' FEL  
 SE/NE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-047-32754; Lease #UTU-17985

# Jonah Fed Q-14-9-16

Spud Date: 12/6/2008  
 Put on Production: 1/26/2009  
 GL: 5760' KB: 5772'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315')  
 DEPTH LANDED: 327.16' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g'

### PRODUCTION CASING

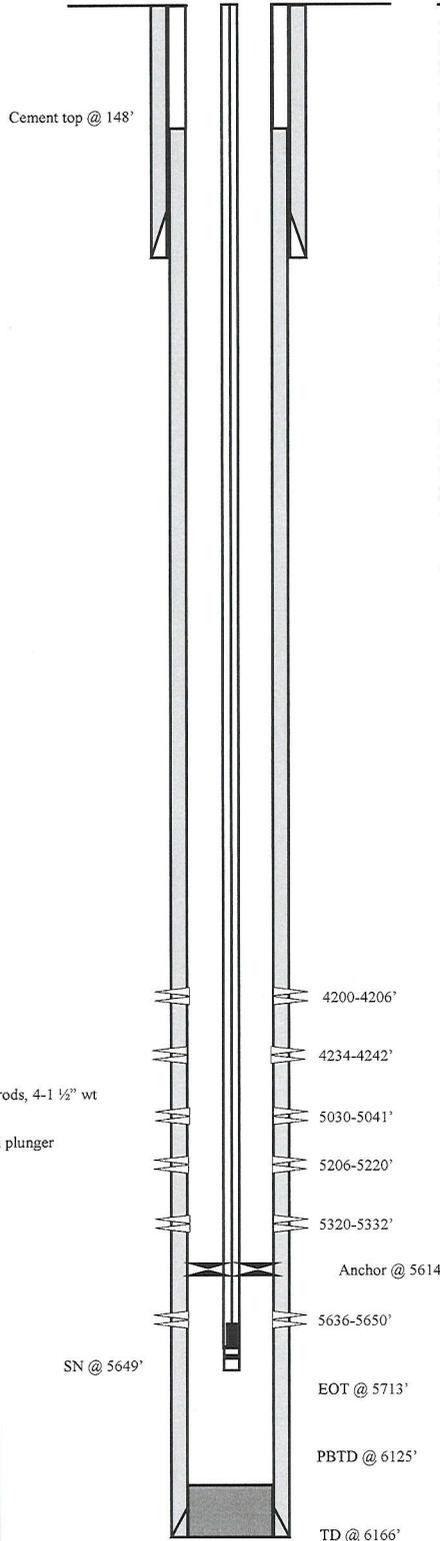
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 160 jts (6351.71')  
 DEPTH LANDED: 6164.10'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT: 148'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 179 jts (5602.17')  
 TUBING ANCHOR: 5614.17' KB  
 NO. OF JOINTS: 1 jt (31.10')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5649.07' KB  
 NO. OF JOINTS: 2 jts (63.21')  
 TOTAL STRING LENGTH: EOT @ 5712.73'

### SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 2', 2', 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4



### FRAC JOB

**1/14/09 5636-5650' RU BJ & frac CP1 sds as follows:**  
 50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2289. Actual flush: 5170 gals.

**1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:**  
 40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2861. Actual flush: 4876 gals.

**1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:**  
 55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2459. Actual flush: 4741 gals.

**1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:**  
 40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1987. Actual flush: 4523 gals.

**1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:**  
 38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2122. Actual flush: 4116 gals.

8/5/09 Parted rods. Updated rod & tubing detail.

### PERFORATION RECORD

Date	Interval	Tool	Holes
1/15/09	4200-4206'	4 JSPF	24 holes
1/15/09	4234-4242'	4 JSPF	32 holes
1/14/09	5030-5041'	4 JSPF	44 holes
1/14/09	5206-5220'	4 JSPF	56 holes
1/15/09	5320-5332'	4 JSPF	48 holes
1/15/09	5636-5650'	4 JSPF	56 holes



**Jonah Q-14-9-16**  
 478' FSL & 703' FWL  
 SW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-34041; Lease # UTU-096547

# Jonah Federal 12-14-9-16

Spud Date: 5-28-05  
 Put on Production: 7-12-05  
 GL: 5682' KB: 5694'

Initial Production: BOPD 118,  
 MCFD 7, BWPD 139

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.88')  
 DEPTH LANDED: 314.73' 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: 142 jts. (5830.79')  
 DEPTH LANDED: 5844.04' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 172 jts (5598.50')  
 TUBING ANCHOR: 5610.50' KB  
 NO. OF JOINTS: 1 jts (32.52')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5645.82' KB  
 NO. OF JOINTS: 2 jts (64.39')  
 TOTAL STRING LENGTH: EOT @ 5711.76' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod  
 SUCKER RODS: 1-2", 6" x 3/4" pony subs, 100- 3/4" scraped rods, 109-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10"x14" RHAC CDI rod pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

**FRAC JOB**

6-30-05 5551-5716' **Frac CP3 & CP5 sand as follows:**  
 25908#'s 20/40 sand in 306 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1599 psi  
 w/avg rate of 25 BPM. ISIP 1775 psi. Calc  
 flush: 5549 gal. Actual flush: 5552 gal.

7-5-05 5007-5119' **Frac A1 & LODC sand as follows:**  
 45,085#'s 20/40 sand in 409 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1818 psi  
 w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc  
 flush: 5005 gal. Actual flush: 4788 gal.

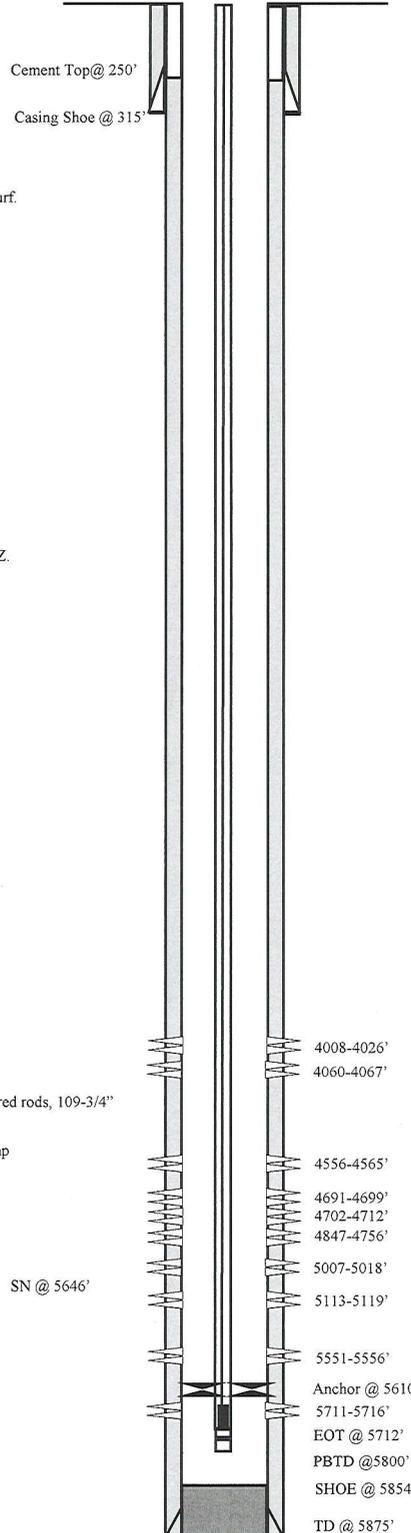
7-6-05 **Frac B2**  
 Decision was made to skip Stage #3.

7-6-05 4691-4712' **Frac C, sand as follows:**  
 99846#'s 20/40 sand in 706 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1733 psi  
 w/avg rate of 25 BPM. ISIP 1750 psi. Calc  
 flush: 4689 gal. Actual flush: 4490 gal.

7-6-05 4556-4565' **Frac D1 sand as follows:**  
 54,984#'s 20/40 sand in 446 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1773 psi  
 w/avg rate of 25 BPM. ISIP 1820 psi. Calc  
 flush: 4554 gal. Actual flush: 4334 gal.

7-6-05 4008-4067' **Frac GB2 & GB4 sand as follows:**  
 60,730#'s 20/40 sand in 457 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1425 psi  
 w/avg rate of 25 BPM. ISIP 1650 psi. Calc  
 flush: 4006 gal. Actual flush: 3901 gal.

8-8-05 Pump Change. Update tubing and rod detail.  
 7/1/08 pump change. Updated rod and tubing detail.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856'	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes



**Jonah Federal 12-14-9-16**  
 1816' FSL & 575' FWL  
 NW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32682; Lease #UTU-096547

# Jonah Fed N-14-9-16

Spud Date: 11/10/2008  
 Put on Production: 11/29/2008  
 GL: 5682' KB: 5694'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (313.61')  
 DEPTH LANDED: 325.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class 'g' g cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 157 jts (6281.96')  
 DEPTH LANDED: 6137.62'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx primlite and 425 sx class 'g'  
 CEMENT TOP AT: 136'

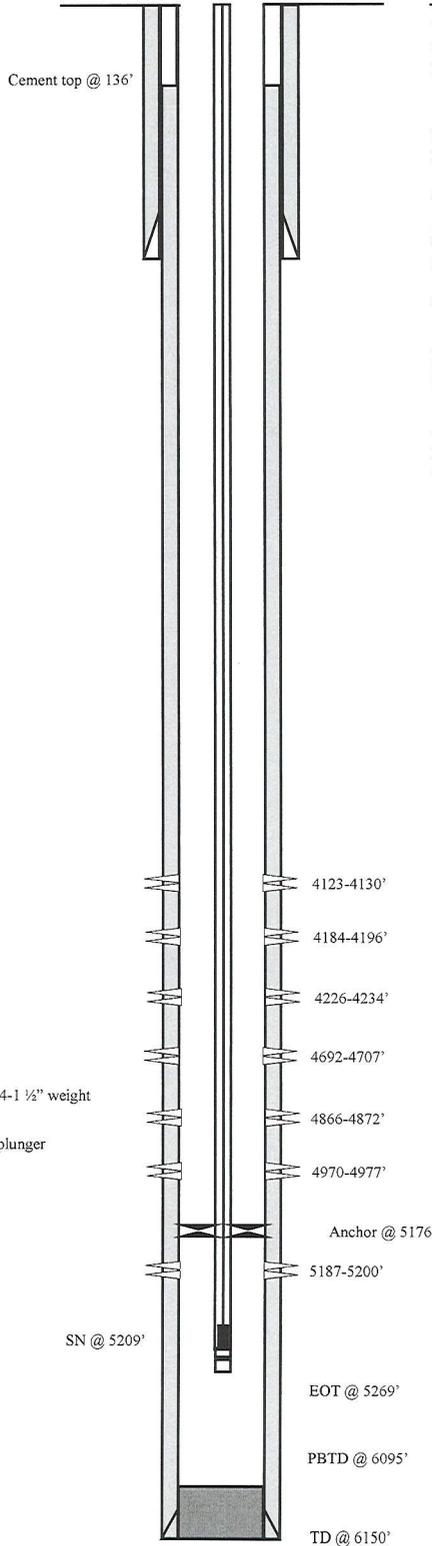
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 168 jts (5161.43')  
 TUBING ANCHOR: 5176.13' KB  
 NO. OF JOINTS: 1 jt (30.36')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5208.59' KB  
 NO. OF JOINTS: 2 jts (61.36')  
 TOTAL STRING LENGTH: EOT @ 5269.40'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 2', 8" x 7/8" ponies, 203-7/8" scraped rods, 4-1 1/2" weight bars  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 18' RHAC pump w/sm plunger  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4

Wellbore Diagram



**FRAC JOB**

**12/12/08 5187-5200' Frac A3 sds as follows:**  
 54,910# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2380 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1379.

**12/17/08 4970-4977' RU BJ & frac B1 sds as follows:**  
 24,046# 20/40 sand in 667 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2400 w/ ave rate of 22 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2107. Actual flush: 4527 gals.

**12/17/08 4866-4872' RU BJ & frac stage #3 sds as follows:**  
 24,952# 20/40 sand in 359 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2506 w/ ave rate of 28 bpm w/ 6 ppg of sand. Spot 6 bbls of 15% HCL acid in flush for next stage. ISIP was 1670. Actual flush: 4670 gals.

**12/18/08 4692-4707' Frac D1 sds as follows:**  
 55,615# 20/40 sand in 492 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1705 psi @ ave rate of 22.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1924 psi. Actual flush: 4192 gals.

**12/18/08 4123-4234' Frac GB sds as follows:**  
 65,538# 20/40 sand in 570 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1731 psi @ ave rate of 22.2 BPM. ISIP 2036 psi. Actual flush: 4036 gals.

**PERFORATION RECORD**

Date	Interval	Tool	Holes
12/9/08	4123-4130'	4 JSPF	28 holes
12/9/08	4184-4196'	4 JSPF	48 holes
12/9/08	4226-4234'	4 JSPF	32 holes
12/9/08	4692-4707'	4 JSPF	60 holes
12/10/08	4866-4872'	4 JSPF	24 holes
12/10/08	4970-4977'	4 JSPF	56 holes
12/10/08	5187-5200'	4 JSPF	52 holes



**Jonah N-14-9-16**  
 1823' FSL & 548' FWL  
 NW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-34011 ; Lease # UTU-096547

Jonah Federal M-14-9-16

Spud Date: 01/14/2010  
 Put on Production: 02/19/2010  
 GL: 5589' KB: 5601'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (308.53')  
 DEPTH LANDED: 320'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

**PRODUCTION CASING**

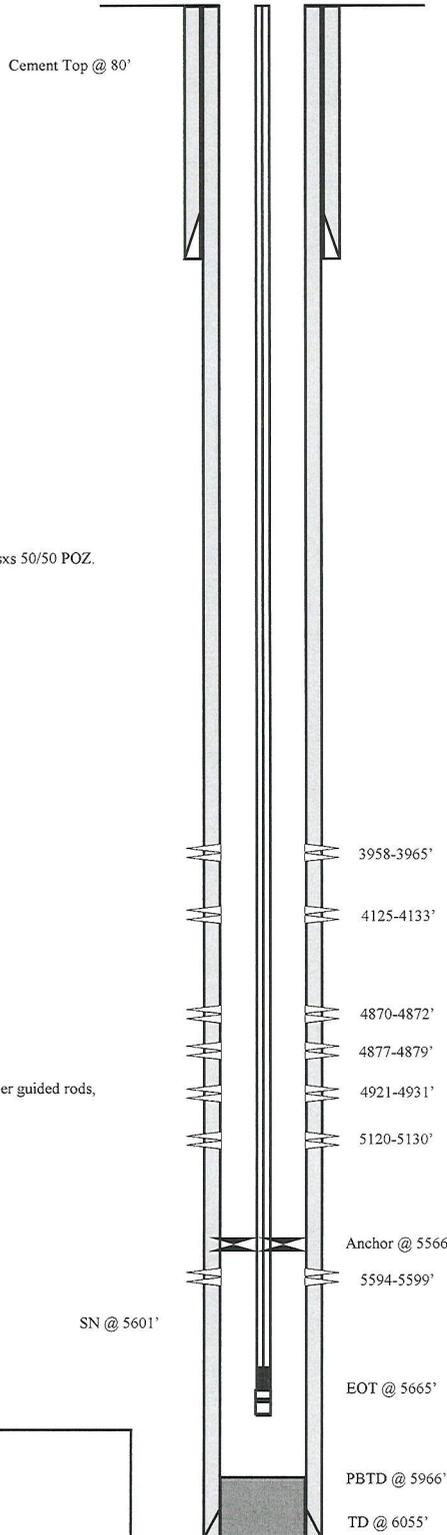
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6028.58')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6041.83'  
 CEMENT DATA: 260 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 80'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 177 jts (5554.3')  
 TUBING ANCHOR: 5566'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5600.6' KB  
 NO. OF JOINTS: 2 jts (63')  
 TOTAL STRING LENGTH: EOT @ 5665'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 6' x 7/8" pony rods, 219 - 7/8" 8per guided rods,  
 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 1/2 x 17' x 24" RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5



**FRAC JOB**

02-19-10	5594-5599'	Frac CP2 sands as follows: Frac with 9412# 20/40 sand in 62 bbls Lightning 17 fluid.
02-19-10	5120-5130'	Frac A3 sands as follows: Frac with 45196# 20/40 sand in 214 bbls Lightning 17 fluid.
02-19-10	4870-4931'	Frac B1 & B2 sands as follows: Frac with 75309# 20/40 sand in 331 bbls Lightning 17 fluid.
02-19-10	4125-4133'	Frac GB4 sands as follows: Frac with 24572# 20/40 sand in 151 bbls Lightning 17 fluid.
02-19-10	3958-3965'	Frac GB2 sands as follows: Frac with 12499# 20/40 sand in 71 bbls Lightning 17 fluid.

**PERFORATION RECORD**

5594-5599'	3 JSPF	15 holes
5120-5130'	3 JSPF	30 holes
4921-4931'	3 JSPF	30 holes
4877-4879'	3 JSPF	6 holes
4870-4872'	3 JSPF	6 holes
4125-4133'	3 JSPF	24 holes
3958-3965'	3 JSPF	21 holes

**NEWFIELD**

**Jonah Federal M-14-9-16**  
 1878' FNL & 1949' FWL (SE/NW)  
 Section 14, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-33812; Lease # UTU-096547

# Jonah Federal 13-14-9-16

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB: 5780'

## Injection Wellbore Diagram

### SURFACE CASING

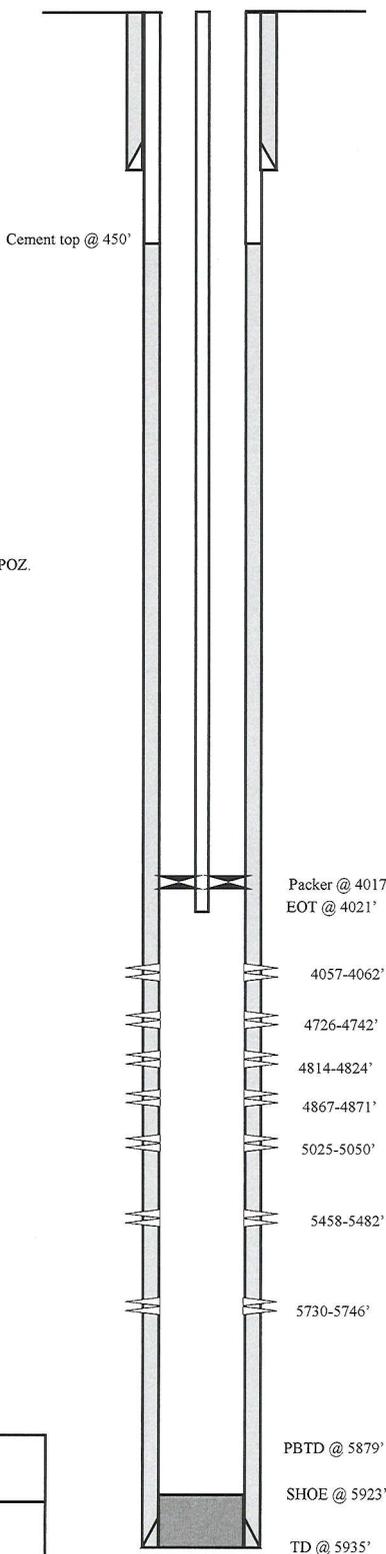
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (303.95')  
DEPTH LANDED: 313.95' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5925.19')  
DEPTH LANDED: 5923.19' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 450'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 123 jts (4001.11')  
SN LANDED AT: 1.10' @ 4014.21'  
CE @ 4017.51'  
TOTAL STRING LENGTH: EOT @ 4021.58' w/12' KB



### FRAC JOB

6-27-05	5730-5746'	<b>Frac CP5 sands as follows:</b> 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid. Treated @ avg press of 1678 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5728 gal. Actual flush: 5712 gal.
6-27-05	5458-5482'	<b>Frac CPI sands as follows:</b> 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid. Treated @ avg press of 1654 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5456 gal. Actual flush: 5462 gal.
6-27-05	5025-5050'	<b>Frac A1/A3 sands as follows:</b> 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid. Treated @ avg press of 1560 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 5023 gal. Actual flush: 5082 gal.
6-27-05	4814-4871'	<b>Frac B2 &amp; B1 sands as follows:</b> 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1606 psi w/avg rate of 24.6 BPM. ISIP 2150 psi. Calc flush: 4812 gal. Actual flush: 4872 gal.
6-27-05	4726-4742'	<b>Frac C sands as follows:</b> 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid. Treated @ avg press of 1590 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4724 gal. Actual flush: 4704 gal.
6-27-05	4057-4062'	<b>Frac GB4 sands as follows:</b> 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid. Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4055 gal. Actual flush: 4704 gal.
07/07/06		<b>Pump Change:</b> Updated rod and tbg detail.
01-09-07		<b>Pump Change:</b> Updated rod and tbg detail.
10/20/08		<b>Convert to Injection well</b>
10/24/08		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

6-22-05	5730-5746'	4 JSPF	64 holes
6-27-05	5458-5482'	4 JSPF	96 holes
6-27-05	5025-5050'	4 JSPF	100 holes
6-27-05	4867-4871'	4 JSPF	16 holes
6-27-05	4814-4824'	4 JSPF	40 holes
6-27-05	4726-4742'	4 JSPF	64 holes
6-27-05	4057-4062'	4 JSPF	20 holes

**NEWFIELD**

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**Jonah Federal 13-14-9-16**

484' FSL & 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696; Lease #UTU-096547

# Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
 Put on Production: 6/24/05  
 GL: 5621' KB: 5633'

Initial Production: 115 BOPD,  
 15 MCFD, 114 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

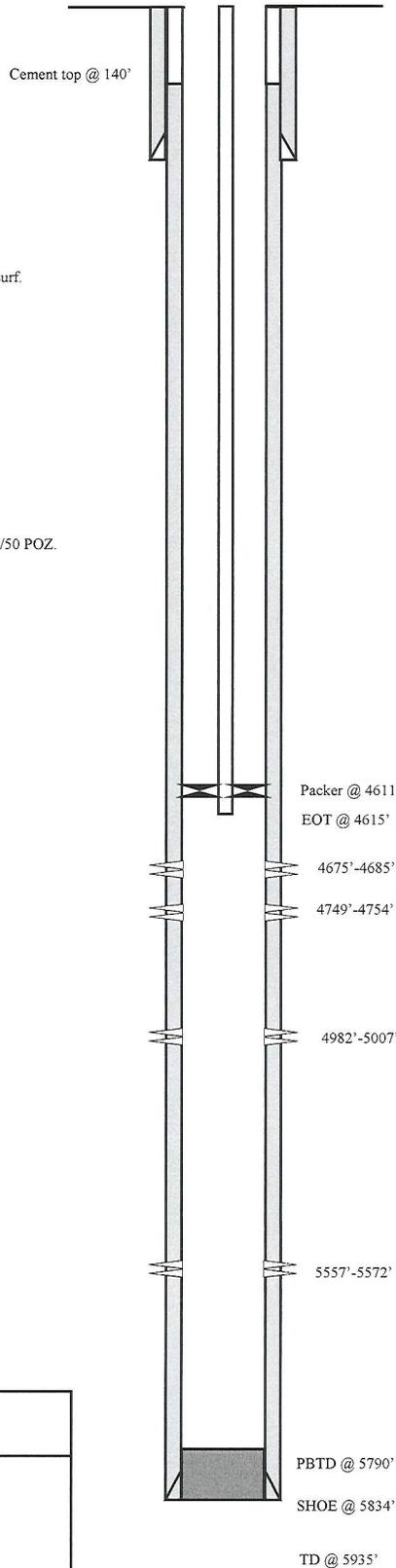
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.17')  
 DEPTH LANDED: 314.17' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5835.87')  
 DEPTH LANDED: 5833.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 140'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 147 jts (4594.85')  
 SN LANDED AT: 1.10' (4606.85')  
 CE @ 4611.05'  
 TOTAL STRING LENGTH: EOT @ 4615.45' KB



### FRAC JOB

6/20/05	5557'-5572'	<b>Frac CP3 sands as follows:</b> 55,674# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 5555 gal. Actual flush: 5544 gal.
6/20/05	4982'-5007'	<b>Frac A3 sands as follows:</b> 95,489# 20/40 sand in 692 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 24.9 BPM. ISIP 2330 psi. Calc flush: 4980 gal. Actual flush: 4998 gal.
6/20/05	4675'-4754'	<b>Frac C&amp;B1 sands as follows:</b> 62,157# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4673 gal. Actual flush: 4578 gal.
09/12/06		<b>Pump Change.</b> Update rod and tubing details.
11/7/06		<b>Convert to Injection Well</b>
11/10/06		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes

**NEWFIELD**

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**Jonah Federal 11-14-9-16**  
 2030' FSL & 2160' FWL  
 NE/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32681; Lease #UTU-096547

# Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD,  
 11 MCFD, 59 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

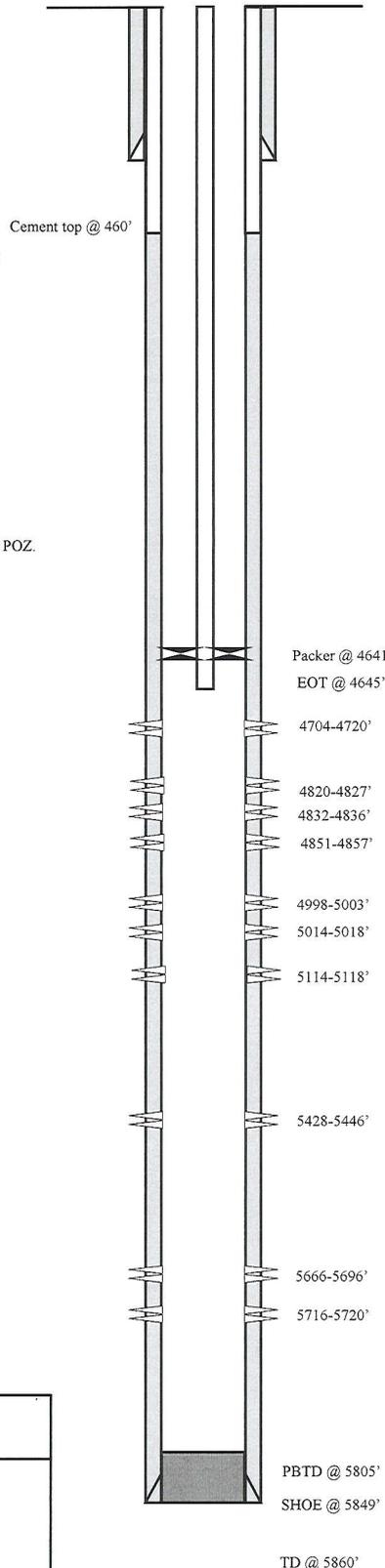
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts ( 302.72')  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jnts (4436.14')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4636.14' KB  
 TOTAL STRING LENGTH: EOT @ 4644.69' KB



### FRAC JOB

6-30-05 5666-5696' **Frac CP5 & CP4 sands as follows:**  
 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid. Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc flush: 5664 gal. Actual flush: 5670 gal.

6-30-05 5428-5446' **Frac CP1 sands as follows:**  
 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid. Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc flush: 5426 gal. Actual flush: 5418 gal.

7-1-05 4998-5118' **Frac LODC, A1, A3 sands as follows:**  
 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc flush: 5996 gal. Actual flush: 4738 gal.

7-1-05 4820-4857' **Frac B2 sands as follows:**  
 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid. Treated @ ave. pressure of 1590 24.5 BPM. ISIP 2000 psi. Calc flush: 4818 gal. Actual flush: 4578 gal.

7-1-05 4704-4720' **Frac C sands as follows:**  
 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid. 24.5 BPM. Treated @ ave. pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal. Actual flush: 4607 gal

11/14/06 **Well converted to an Injection well.**  
 11/21/06 **MIT completed and submitted.**

### PERFORATION RECORD

Date	Depth Range	JSPF	Holes
6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes



**Jonah Federal 9-15-9-16**  
 1724' FSL & 782' FEL  
 NE/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32683; Lease #UTU-017985

# Jonah Fed K-15-9-16

Spud Date: 11/19/08  
Put on Production: 1/6/2009

GL: 5659' KB: 5671'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.35')  
DEPTH LANDED: 324.20' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 1 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 159 jts (6088.70')  
DEPTH LANDED: 6101.95'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT: 100'

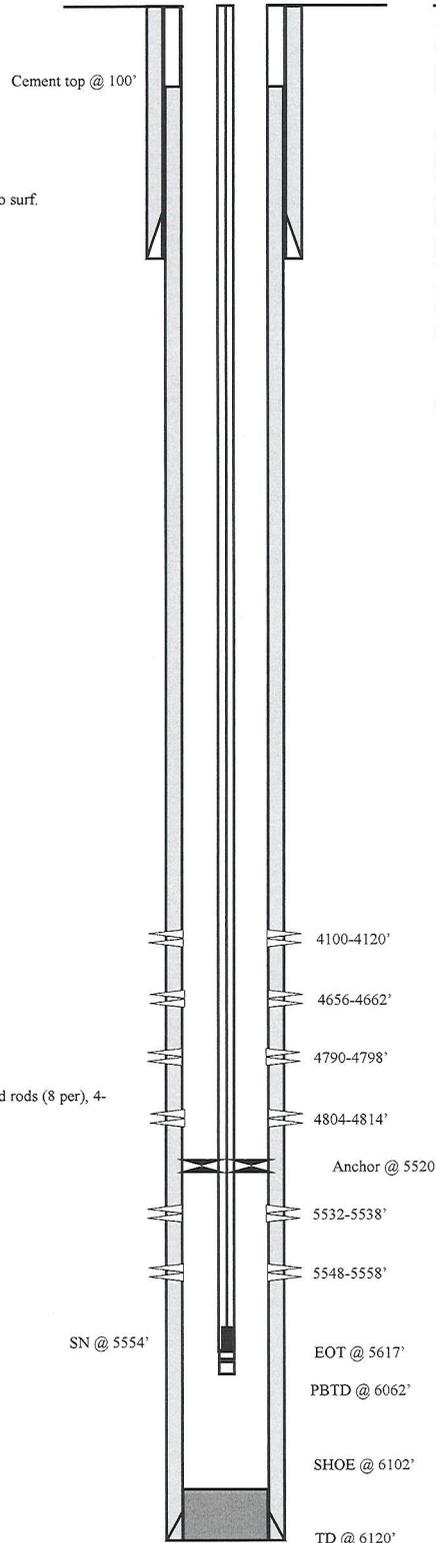
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 178 jts (5508.4')  
TUBING ANCHOR: 5520.4' KB  
NO. OF JOINTS: 1 jt (31.08')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5554.3' KB  
NO. OF JOINTS: 2 jts (62.06')  
TOTAL STRING LENGTH: EOT @ 5617.4'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1-2', 6', 8' x 7/8" pony subs, 217-7/8" guided rods (8 per), 4-1 1/2" wt bars  
PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump-CDI  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 4

Wellbore Diagram



## FRAC JOB

**12/29/08 5532-5558' Frac CP1 sds as follows:**  
40,600#s of 20/40 sand in 653 bbls of Lightning 17 fluid. Broke @ 2970 psi. Treated w/ ave pressure of 1945 psi w/ ave rate of 29.8 BPM. ISIP 2152 psi. Actual flush: 5027 gals.

**12/29/08 4790-4814' Frac C sds as follows:**  
44,338#s of 20/40 sand in 438 bbls of Lightning 17 fluid. Broke @ 1770 psi. Treated w/ ave pressure of 2065 psi w/ ave rate of 22.8 BPM. ISIP 2226 psi. Actual flush: 4284 gals.

**12/29/08 4656-4662' Frac D1 sds as follows:**  
24,111#s of 20/40 sand in 340 bbls of Lightning 17 fluid. Broke @ 3208 psi. Treated w/ ave pressure of 2133 psi w/ ave rate of 22.7 BPM. ISIP 2052 psi. Actual flush: 4150 gals.

**12/29/08 4100-4120' Frac GB6 sds as follows:**  
55,828#s of 20/40 sand in 478 bbls of Lightning 17 fluid. Broke @ 1508 psi. Treated w/ ave pressure of 1706 psi w/ ave rate of 22.8 BPM. ISIP 1891 psi. Actual flush: 4099 gals.

9/18/09 Tubing Leak. Updated rod & tubing details.

## PERFORATION RECORD

Date	Interval	Tool	Holes
12/29/08	4100-4120'	4 JSPF	80 holes
12/29/08	4656-4662'	4 JSPF	24 holes
12/29/08	4790-4798'	4 JSPF	32 holes
12/29/08	4804-4814'	4 JSPF	40 holes
12/29/08	5532-5538'	4 JSPF	24 holes
12/29/08	5548-5558'	4 JSPF	24 holes



**Jonah Fed K-15-9-16**  
1839' FNL & 820' FEL  
SE/NE Section 15-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-34014 ; Lease # UTU-017985

# Jonah Federal 10-14-9-16

Spud Date: 5-18-05  
 Put on Production: 6-23-05  
 GL: 5607' KB: 5619'

Initial Production: 55 BOPD,  
 22 MCFD, 232 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (303')  
 DEPTH LANDED: 314.85' 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: 137 jts. (5796.74')  
 DEPTH LANDED: 5809.99' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 310 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 90'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 156 jts (5079.07')  
 TUBING ANCHOR: 5091.07' KB  
 NO. OF JOINTS: 2 jts (64.14')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5158.01' KB  
 NO. OF JOINTS: 2 jts (65.04')  
 TOTAL STRING LENGTH: EOT @ 5224.60' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rods  
 SUCKER RODS: 1-8", 1-6" & 1-2' 3/4" ponies, 99- 3/4" scraped rods, 90-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14 1/2" RHAC w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 4.5 SPM

### FRAC JOB

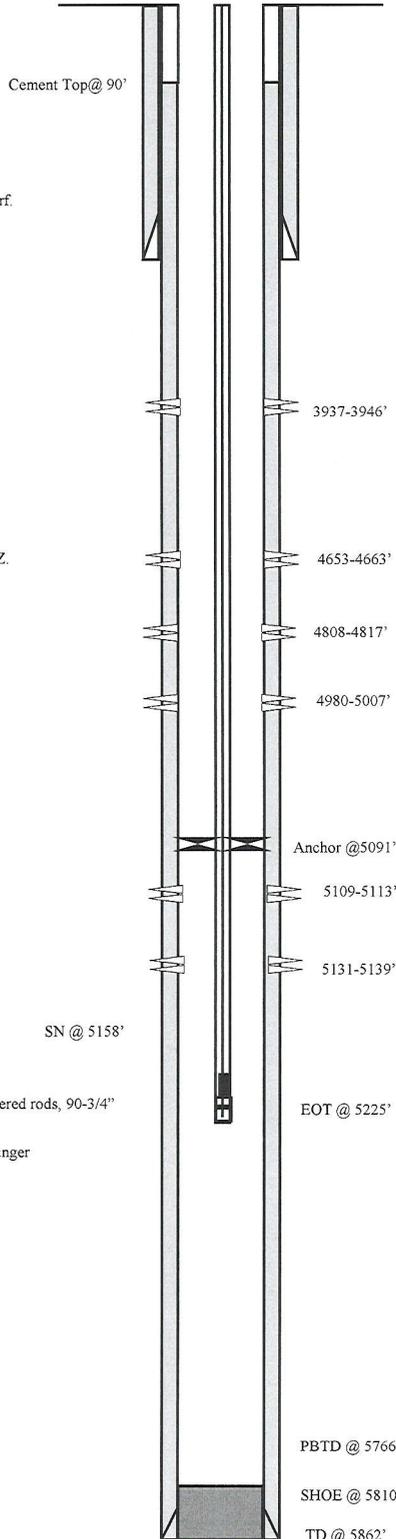
6-15-05 5109-5139' **Frac L0DC sand as follows:**  
 40770#'s 20/40 sand in 380 bbls Lightning  
 17 frac fluid. Treated @ avg press of 3040 psi  
 w/avg rate of 24.3 BPM. ISIP 2950 psi. Calc  
 flush: 5107 gal. Actual flush: 4872 gal.

6-15-05 4980-5007' **Frac A3 sand as follows:**  
 110,559#'s 20/40 sand in 774 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1950 psi  
 w/avg rate of 24.8 BPM. ISIP 2250 psi. Calc  
 flush: 4978 gal. Actual flush: 4746 gal.

6-16-05 4808-4817' **Frac B2, sand as follows:**  
 40877#'s 20/40 sand in 371 bbls Lightning  
 17 frac fluid. Treated @ avg press of 2399 psi  
 w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc  
 flush: 4806 gal. Actual flush: 4536 gal.

6-16-05 3937-3946' **Frac GB2 sand as follows:**  
 29376#'s 20/40 sand in 281 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1585 psi  
 w/avg rate of 14.3 BPM. ISIP 2100 psi. Calc  
 flush: 3935 gal. Actual flush: 3864 gal.

04/24/06 Pump Change. Update rod and tubing details.  
 6/11/08 Pump Change. Updated rod and tubing detail



### PERFORATION RECORD

Date	Interval	JSPF	Holes
6-10-05	5109-5113'	4 JSPF	16 holes
6-10-05	5131-5139'	4 JSPF	32 holes
6-13-05	4808-4817'	4 JSPF	36 holes
6-13-05	4980-5007'	4 JSPF	108 holes
6-16-05	3937-3946'	4 JSPF	36 holes
6-16-05	4653-4663'	4 JSPF	40 holes



**Jonah Federal 10-14-9-16**  
 1730' FSL & 1820' FEL  
 NW/SE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32662; Lease #UTU-96547

**Multi-Chem Group, LLC**

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

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-37098**

Well Name: **14-14-9-16**

Sample Point: **Tank**

Sample Date: **2/16/2010**

Sales Rep: **Randy Huber**

Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	2/19/2010	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	100		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	40.00	Chloride (Cl):	7000.00
Specific Gravity (g/cm³):	1.0170	Magnesium (Mg):	-	Sulfate (SO₄):	22.00
pH:	8	Barium (Ba):	2.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	732.00
Calculated T.D.S. (mg/L):	12496	Sodium (Na):	4698.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	18934	Potassium (K):	-	H₂S:	-
Resistivity (Mohm):	0.5282	Iron (Fe):	2.23	Phosphate (PO₄):	-
		Manganese (Mn):	0.05	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100	0	3.54	10.06	0.00	-2578.50	0.00	-2716.40	-	-	0.92	-0.29	0.18
80	0	2.61	7.17	0.00	-20.10	0.00	-2886.20	-	-	1.40	0.92	0.09
100	0	3.54	10.06	0.00	-15.67	0.00	-2716.40	-	-	0.92	-0.29	0.11
120	0	4.49	12.53	0.00	-12.28	0.00	-2465.00	-	-	0.61	-1.91	0.12
140	0	5.44	14.74	0.00	-9.67	0.00	-2167.70	-	-	0.42	-4.04	0.13
160	0	6.31	16.50	0.00	-7.71	0.00	-1855.20	-	-	0.29	-6.73	0.15
180	0	7.00	17.62	0.00	-6.29	0.00	-1550.60	-	-	0.21	-10.06	0.17
200	0	7.42	17.93	0.00	-5.31	0.00	-1269.30	-	-	0.15	-14.09	0.17
220	2.51	7.48	17.55	0.00	-4.71	0.00	-1032.00	-	-	0.11	-19.24	0.17
240	10.3	7.31	16.37	0.00	-4.31	0.00	-816.26	-	-	0.08	-24.99	0.17
260	20.76	6.92	14.70	0.00	-4.09	0.01	-634.98	-	-	0.06	-31.69	0.17
280	34.54	6.36	12.82	0.00	-3.99	0.01	-485.86	-	-	0.04	-39.44	0.17
300	52.34	5.70	10.92	0.00	-3.97	0.01	-365.31	-	-	0.03	-48.38	0.18

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

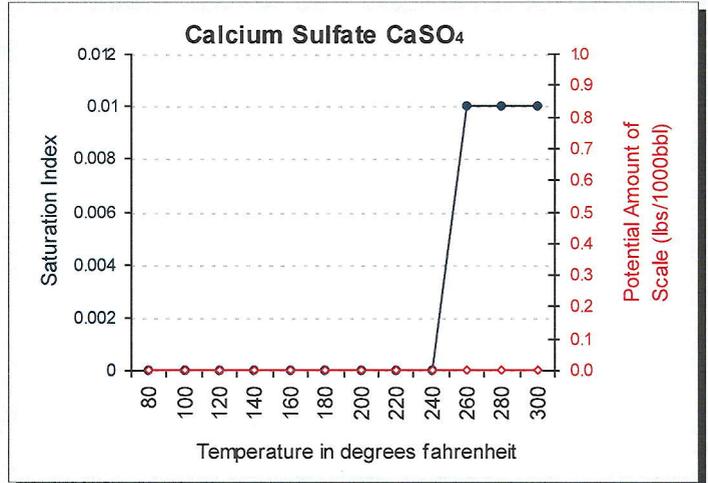
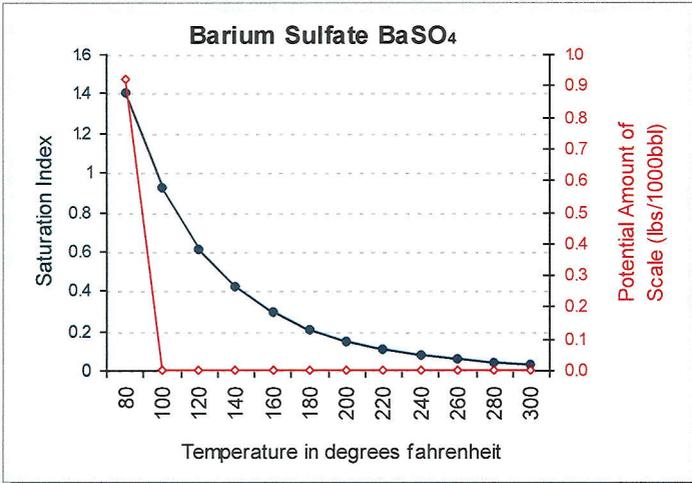
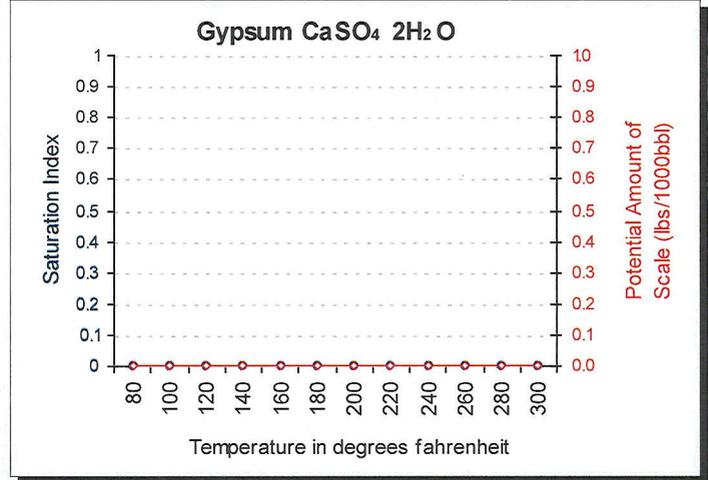
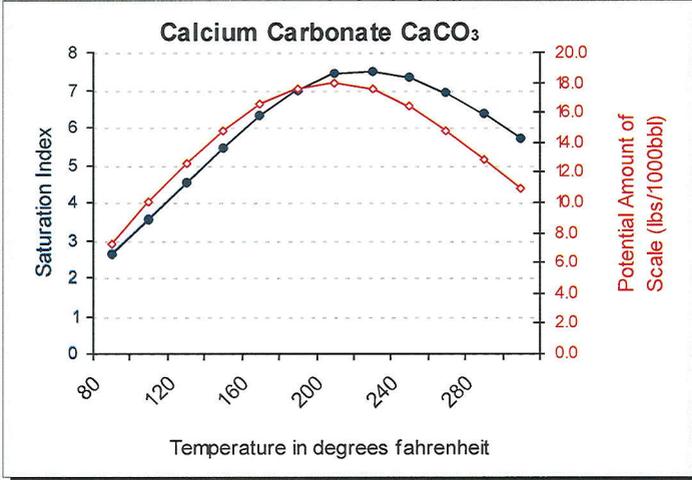
**Notes:**

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

Scale Prediction Graphs

Well Name: 14-14-9-16

Sample ID: WA-37098





**Multi-Chem Group, LLC**

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

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-35267**

Well Name: **Beluga Injection**

Sample Point: **Tri-plex Suction**

Sample Date: **1 /5 /2010**

Sales Rep: **Randy Huber**

Lab Tech: **John Keel**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	90
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0090
pH:	8.9
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	10446
Molar Conductivity (µS/cm):	15828
Resitivity (Mohm):	0.6318

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	80.00	Chloride (Cl):	5000.00
Magnesium (Mg):	24.40	Sulfate (SO₄):	419.00
Barium (Ba):	1.00	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	1195.00
Sodium (Na):	3720.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	4.50
Iron (Fe):	1.85	Phosphate (PO₄):	-
Manganese (Mn):	0.50	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia NH₃:	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
90	0	49.24	111.17	0.02	-2085.20	0.01	-2351.30	-	-	12.30	1.56	0.02
80	0	44.16	105.89	0.02	47.31	0.01	-2417.70	-	-	15.21	1.59	0.02
100	0	53.68	113.99	0.02	48.69	0.01	-2260.90	-	-	10.01	1.53	0.02
120	0	60.39	114.38	0.02	48.41	0.02	-2025.80	-	-	6.75	1.45	0.02
140	0	64.25	111.45	0.02	47.46	0.02	-1746.70	-	-	4.64	1.33	0.02
160	0	64.90	105.75	0.03	46.17	0.03	-1453.00	-	-	3.24	1.17	0.02
180	0	62.66	95.44	0.03	44.37	0.04	-1167.30	-	-	2.30	0.96	0.03
200	0	58.21	81.42	0.04	41.69	0.06	-904.51	-	-	1.65	0.67	0.03
220	2.51	52.02	67.58	0.04	37.93	0.09	-682.32	-	-	1.18	0.25	0.03
240	10.3	45.61	54.64	0.05	32.65	0.14	-482.88	-	-	0.86	-0.28	0.03
260	20.76	39.13	43.84	0.05	26.60	0.23	-316.86	-	-	0.63	-0.97	0.02
280	34.54	32.95	35.19	0.05	20.60	0.38	-182.37	-	-	0.47	-1.89	0.02
300	52.34	27.27	28.42	0.06	15.23	0.62	-76.59	-	-	0.35	-3.09	0.02

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

**Notes:**



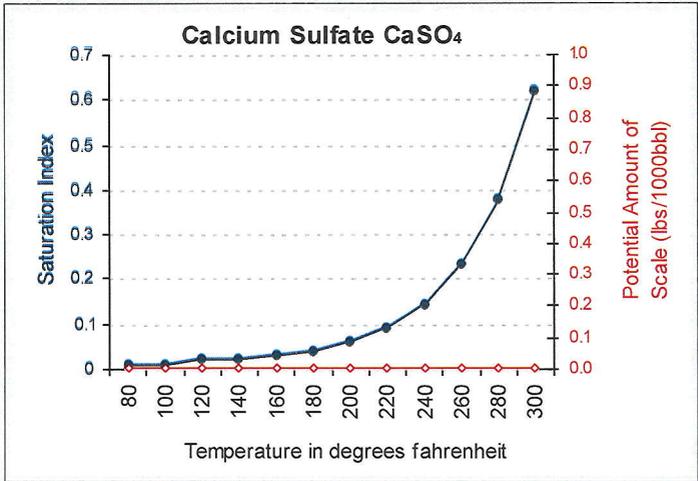
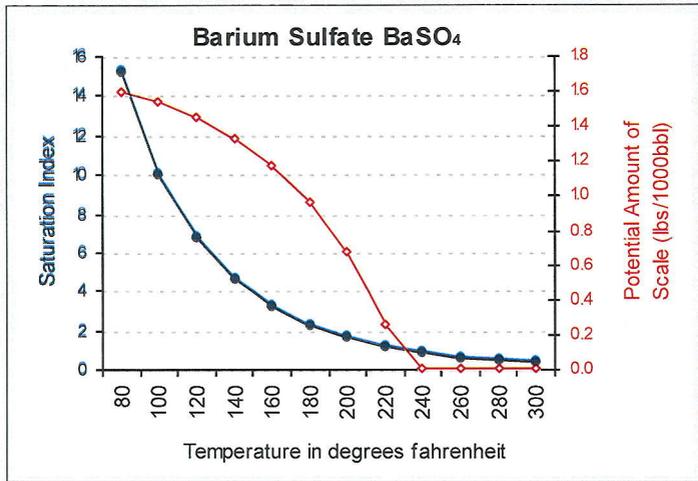
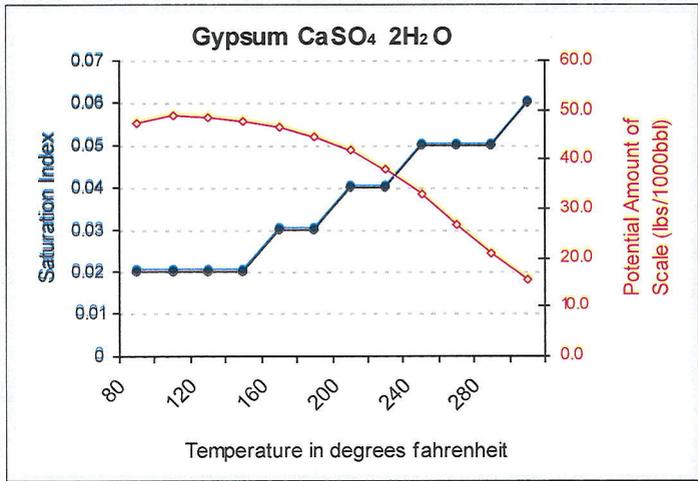
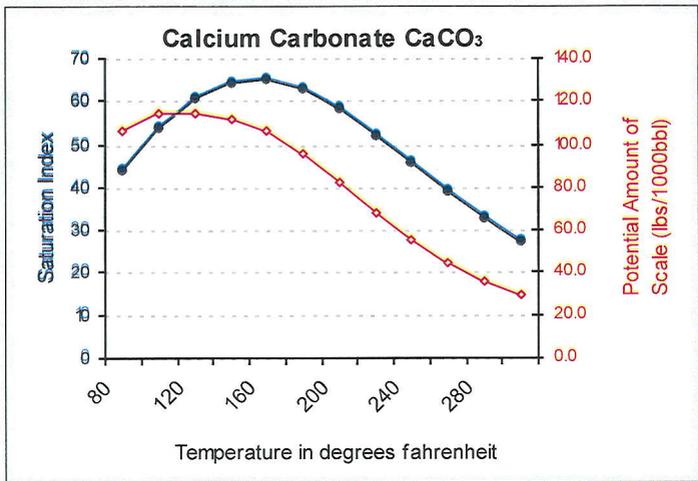
**Multi-Chem Group, LLC**

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

**Scale Prediction Graphs**

Well Name: **Beluga Injection**

Sample ID: **WA-35267**



**Attachment "G"**

**Jonah Federal 14-14-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4044	4142	4093	1770	0.87	1744 ←
4596	4604	4600	1900	0.85	1870
4828	4839	4834	2060	0.86	2029
5050	5072	5061	2130	0.85	2097
5470	5520	5495	1850	0.77	1814
				<b>Minimum</b>	<u>1744</u>

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

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

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

# NEWFIELD



Attachment G-1  
1 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** 10-Nov-05      **Day:** 01  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBTD:** 5703'WL  
**Tbg:**      **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP2 sds	5508- 5520'	4/48
CP1 sds	5470- 5479'	4/36			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 10-Nov-05      **SITP:** \_\_\_\_\_ **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5703'. Cement top @ 260'. Perforate stage #1, CP2 sds: 5508- 20', CP1 sds: 5470- 79' w/ 4" Port guns (19 gram, .41"HE. 120°) w/ 4 spf for total of 84 shots. 136 bbls EWTR. SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 136      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 136      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Weatherford BOP	\$130
NPC NU crew	\$300
NDSI trucking	\$1,400
Perforators LLC	\$6,658
Drilling cost	\$246,125
D & M hot oil	\$475
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300
Liddell trucking	\$800

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

**Completion Supervisor:** Orson Barney

**DAILY COST:** \$262,188  
**TOTAL WELL COST:** \$262,188

# NEWFIELD



Attachment G-1  
2 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** 15-Nov-05      **Day:** 2  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBTD:** 5703'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 5170'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP2 sds	5508- 5520'	4/48
<b>A1 sds</b>	<b>5050-5072'</b>	<b>4/88</b>			
<b>CP1 sds</b>	<b>5470- 5479'</b>	<b>4/36</b>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 14-Nov-05      **SITP:** \_\_\_\_\_ **SICP:** 0

RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1, CP sds down casing w/ 30,835#'s of 20/40 sand in 393 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2620 psi, back to 1512 psi. Treated @ ave pressure of 2008 w/ ave rate of 25 bpm w/ 6.5 ppg of sand. Spot 5 bbls of 15% HCL acid in flush for next stage. ISIP was 1850. 529 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug & 7' perf gun. Set plug @ 5170'. Perforate A1 sds @ 5050-5072' w/ 3-1/8" Slick Guns ( 23 gram, .43"HE, 90° ) w/ 4 spf for total 88 shots. SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 136      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 393      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 529      **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:** CP sds down casing

- \_\_\_\_\_ 3822 gals of pad
- \_\_\_\_\_ 2319 gals w/ 1-4 ppg of 20/40 sand
- \_\_\_\_\_ 4696 gals w/ 4-6.5 ppg of 20/40 sand
- \_\_\_\_\_ 210 gals of 15% HCL acid
- \_\_\_\_\_ Flush w/ 5460 gals of slick water

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

**Max TP:** 2295      **Max Rate:** 25.3      **Total fluid pmpd:** 393 bbls  
**Avg TP:** 2008      **Avg Rate:** 25      **Total Prop pmpd:** 30,835#'s  
**ISIP:** 1850      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .77  
**Completion Supervisor:** Ron Shuck

### COSTS

Weatherford BOP	\$260
Weatherford Services	\$975
Betts frac water	\$672
NPC fuel gas	\$128
BJ Services CP sds	\$17,828
NPC Supervisor	\$300

**DAILY COST:** \$20,163  
**TOTAL WELL COST:** \$282,351

# NEWFIELD



Attachment G-1  
3 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** 16-Nov-05      **Day:** 3a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBTD:** 5703'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4940'  
**Plug** 5170'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP2 sds	5508- 5520'	4/48
<b>B1 sds</b>	<b>4828-4839'</b>	<b>4/44</b>			
<b>A1 sds</b>	<b>5050-5072'</b>	<b>4/88</b>			
<b>CP1 sds</b>	<b>5470- 5479'</b>	<b>4/36</b>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 15-Nov-05      **SITP:** \_\_\_\_\_      **SICP:** 1100

Day3a.

RU BJ & frac stage #2 w/ 100,886#'s of 20/40 sand in 724 bbls of Lightning 17 frac fluid. Open well w/ 1100 psi on casing. Perfs broke down @ 2037 psi, back to 1328 psi. Treated @ ave pressure of 1800 w/ ave rate of 25.1 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL acid in flush for next stage. ISIP was 2130. 1253 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 11' perf gun. Set plug @ 4940' (mis-fired). Perforate B1 sds @ 4828-4839' w/ 4 spf for total 44 shots. **See day3b.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 393      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 724      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1253      **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:** A1 sds down casing

- \_\_\_\_\_ 7518 gals of pad
- \_\_\_\_\_ 5000 gals w/ 1-5 ppg of 20/40 sand
- \_\_\_\_\_ 10000 gals w/ 5-8 ppg of 20/40 sand
- \_\_\_\_\_ 2598 gals w/ 8 ppg of 20/40 sand
- \_\_\_\_\_ 210 gals of 15% HCL acid
- \_\_\_\_\_ Flush w/ 5082 gals of slick water

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

**Max TP:** 2100      **Max Rate:** 25.2      **Total fluid pmpd:** 724 bbl  
**Avg TP:** 1800      **Avg Rate:** 25.1      **Total Prop pmpd:** 100,886#'s  
**ISIP:** 2130      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .85  
**Completion Supervisor:** Ron Shuck

### COSTS

Weatherford BOP	\$45
Weatherford Services	\$2,200
Betts frac water	\$1,702
NPC fuel gas	\$304
BJ Services A1 sds	\$20,993
NPC Supervisor	\$75
Lone Wolf A1 sds	\$6,053
<b>DAILY COST:</b>	<b>\$31,372</b>
<b>TOTAL WELL COST:</b>	<b>\$313,723</b>

# NEWFIELD



Attachment G-1  
4 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** 16-Nov-05      **Day:** 3b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBTD:** 5703'WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4700'  
**Plug** 5170' 4940'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone CP2 sds	Perfs 5508- 5520'	SPF/#shots 4/48
<u>D1 sds</u>	<u>4596-4604'</u>	<u>4/32</u>	_____	_____	_____
<u>B1 sds</u>	<u>4828-4839'</u>	<u>4/44</u>	_____	_____	_____
<u>A1 sds</u>	<u>5050-5072'</u>	<u>4/88</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5470- 5479'</u>	<u>4/36</u>	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 15-Nov-05      **SITP:** \_\_\_\_\_ **SICP:** 1252

Day3b.

RU BJ & frac stage #3 w/ 70,362#'s of 20/40 sand in 537 bbls of Lightning 17 frac fluid. Open well w/ 1252 psi on casing. Perfs broke down @ 2885 psi, back to 1500 psi. Treated @ ave pressure of 1905 w/ ave rate of 25.1 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL acid in flush for next stage. ISIP was 2060. 1790 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 8' perf gun. Set plug @ 4700'. Perforate D1 sds @ 4596-4604' w/ 4 spf for total 32 shots. **See day3c.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1253      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 537      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1790      **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:** B1 sds down casing

5418 gals of pad  
3625 gals w/ 1-5 ppg of 20/40 sand  
7250 gals w/ 5-8 ppg of 20/40 sand  
1179 gals w/ 8 ppg of 20/40 sand  
210 gals of 15% HCL acid  
Flush w/ 4872 gals of slick water

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

**Max TP:** 2240      **Max Rate:** 25.3      **Total fluid pmpd:** 537 bbl  
**Avg TP:** 1905      **Avg Rate:** 25.1      **Total Prop pmpd:** 70,362#'s  
**ISIP:** 2060      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .86

**Completion Supervisor:** Ron Shuck

### COSTS

Weatherford BOP	\$45
Weatherford Services	\$2,200
Betts frac water	\$1,210
NPC fuel gas	\$216
BJ Services B1 sds	\$16,215
NPC Supervisor	\$75
Lone Wolf B1 sds	\$3,375

**DAILY COST:** \$23,336  
**TOTAL WELL COST:** \$337,059



# NEWFIELD



Attachment 6-1  
6 of 10

## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 14-14-9-16 Report Date: 16-Nov-05 Day: 3d  
Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 5770' Csg PBTD: 5703'WL  
Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4250'  
Plug 5170' 4940' 4700'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	<u>4044-4050'</u>	<u>4/24</u>	CP2 sds	<u>5508- 5520'</u>	<u>4/48</u>
GB6 sds	<u>4137-4142'</u>	<u>4/20</u>			
D1 sds	<u>4596-4604'</u>	<u>4/32</u>			
B1 sds	<u>4828-4839'</u>	<u>4/44</u>			
A1 sds	<u>5050-5072'</u>	<u>4/88</u>			
CP1 sds	<u>5470- 5479'</u>	<u>4/36</u>			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 15-Nov-05 SITP: \_\_\_\_\_ SICP: 1610

Day3d.

RU BJ & frac stage #5 w/ 31,600#'s of 20/40 sand in 333 bbls of Lightning 17 frac fluid. Open well w/ 1610 psi on casing. Perfs broke down @ 3030 psi, back to 1685 psi. Treated @ ave pressure of 1790 w/ ave rate of 25.1 bpm w/ 6.5 ppg of sand. ISIP was 1770. 2459 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 2 hours & died w/ 130 bbls rec'd. SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2459 Starting oil rec to date: \_\_\_\_\_  
Fluid lost/recovered today: 130 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 2329 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: GB4 & GB6 sds down casing

2982 gals of pad

2319 gals w/ 1-5 ppg of 20/40 sand

4737 gals w/ 5-8 ppg of 20/40 sand

Flush w/ 3948 gals of slick water

### COSTS

Weatherford BOP	\$45
Weatherford Services	\$2,200
Betts frac water	\$672
NPC fuel gas	\$128
BJ Services GB sds	\$9,792
NPC Supervisor	\$75
Lone Wolf GB sds	\$3,375
Betts water transfer	\$650

Max TP: 1970 Max Rate: 25.3 Total fluid pmpd: 333 bbls

Avg TP: 1790 Avg Rate: 25.1 Total Prop pmpd: 30,600#'s

ISIP: 1770 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .87

Completion Supervisor: Ron Shuck

DAILY COST: \$16,937

TOTAL WELL COST: \$370,702

# NEWFIELD



Attachment G-1  
7 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** Nov. 18, 2005      **Day:** 04  
**Operation:** Completion      **Rig:** Western #1

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBDT:** 5703'WL  
**Tbg:** Size: 2 7/8    Wt: 6.5#    **Grd:** J-55    **Pkr/EOT @:** 4712'    **BP/Sand PBDT:** \_\_\_\_\_  
**Plug** 5170' 4940'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4044-4050'	4/24	CP2 sds	5508- 5520'	4/48
GB6 sds	4137-4142'	4/20			
D1 sds	4596-4604'	4/32			
B1 sds	4828-4839'	4/44			
A1 sds	5050-5072'	4/88			
CP1 sds	5470- 5479'	4/36			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Nov. 17, 2005      **SITP:** \_\_\_\_\_    **SICP:** 50

MIRU Western #1. Bleed pressure off well. Rec est 15 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4118'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4118', plug @ 4250' in 36 minutes; sd @ 4621', plug @ 4700' in 28 minutes. Circ hole clean W/ 40 BW lost. RD swivel. SIFN W/ EOT @ 4712'. Est 2344 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2329      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 15      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2344      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

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

### COSTS

Western #1 rig	\$4,155
Weatherford BOP(X2)	\$280
NDSI trucking	\$1,500
NPC trucking	\$500
NDSI wtr & truck	\$400
Unichem chemicals	\$300
Aztec - new J55 tbg	\$28,788
NPC sfc equipment	\$130,000
Boren labor/welding	\$13,600
Mt. West sanitation	\$550
Monks pit reclaim	\$1,800
RNI wtr disposal	\$3,000
NPC supervision	\$300
<b>DAILY COST:</b>	<b>\$185,173</b>
<b>TOTAL WELL COST:</b>	<b>\$555,875</b>

**Max TP:** \_\_\_\_\_    **Max Rate:** \_\_\_\_\_    **Total fluid pmpd:** 333 bbls  
**Avg TP:** \_\_\_\_\_    **Avg Rate:** \_\_\_\_\_    **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz



# NEWFIELD



Attachment G-1  
9 of 10

## DAILY COMPLETION REPORT

**WELL NAME:** Jonah Fed 14-14-9-16      **Report Date:** Nov. 22, 2005      **Day:** 06  
**Operation:** Completion      **Rig:** Western #1

### WELL STATUS

**Surf Csg:** 8-5/8' @ 312'      **Prod Csg:** 5-1/2" @ 5770'      **Csg PBDT:** 5729'  
**Tbg:**      **Size:** 2 7/8      **Wt:** 6.5#      **Grd:** J-55      **Anchor @:** \_\_\_\_\_      **BP/Sand PBDT:** 5729'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4044-4050'	4/24	CP2 sds	5508- 5520'	4/48
GB6 sds	4137-4142'	4/20			
D1 sds	4596-4604'	4/32			
B1 sds	4828-4839'	4/44			
A1 sds	5050-5072'	4/88			
CP1 sds	5470- 5479'	4/36			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Nov. 21, 2005      **SITP:** 25      **SICP:** 25

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed gas off well. Con't swabbing well flr cleanup. IFL @ 400'. Made 4 swb runs rec 45 BTF W/ tr oil, light gas & no sand. FFL @ 900'. TIH W/ tbg. Tag sd @ 5610' (no new fill). RU power swivel. Drill plug remains & sd to PBDT @ 5729'. Circ hole clean. Lost est 25 BW & rec est 15 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 168 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA & land W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and rod string to 1650'. PU polished rod & SIFN. Est 2274 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2294      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 20      **Oil lost/recovered today:** 15  
**Ending fluid to be recovered:** 2274      **Cum oil recovered:** 15  
**IFL:** 400'      **FFL:** 900'      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** tr

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

		Western #1 rig	\$4,127
		Weatherford BOP	\$140
		Weatherford swivel	\$750
		NPC trucking	\$600
		Zubiate HO trk	\$250
		CDI rod pump	\$1,325
		"A" grade rod string	
		NPC frac tks(7X6 dys)	\$1,680
		NPC swb tk(3 dys)	\$120
		NPC frac head	\$500
		NPC supervision	\$300

**DAILY COST:** \$9,792

**Completion Supervisor:** Gary Dietz

**TOTAL WELL COST:** \$572,952



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3994'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 181' balance plug using 21 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 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 42sx Class "G" Cement down 5-1/2" casing to 363'

The approximate cost to plug and abandon this well is \$59,344.

## Jonah Federal 14-14-9-16

Spud Date: 10-11-05  
 Put on Production: 11-22-05  
 GL: 5740' KB: 5752'

Initial Production: BOPD,  
 MCFD, BWPD

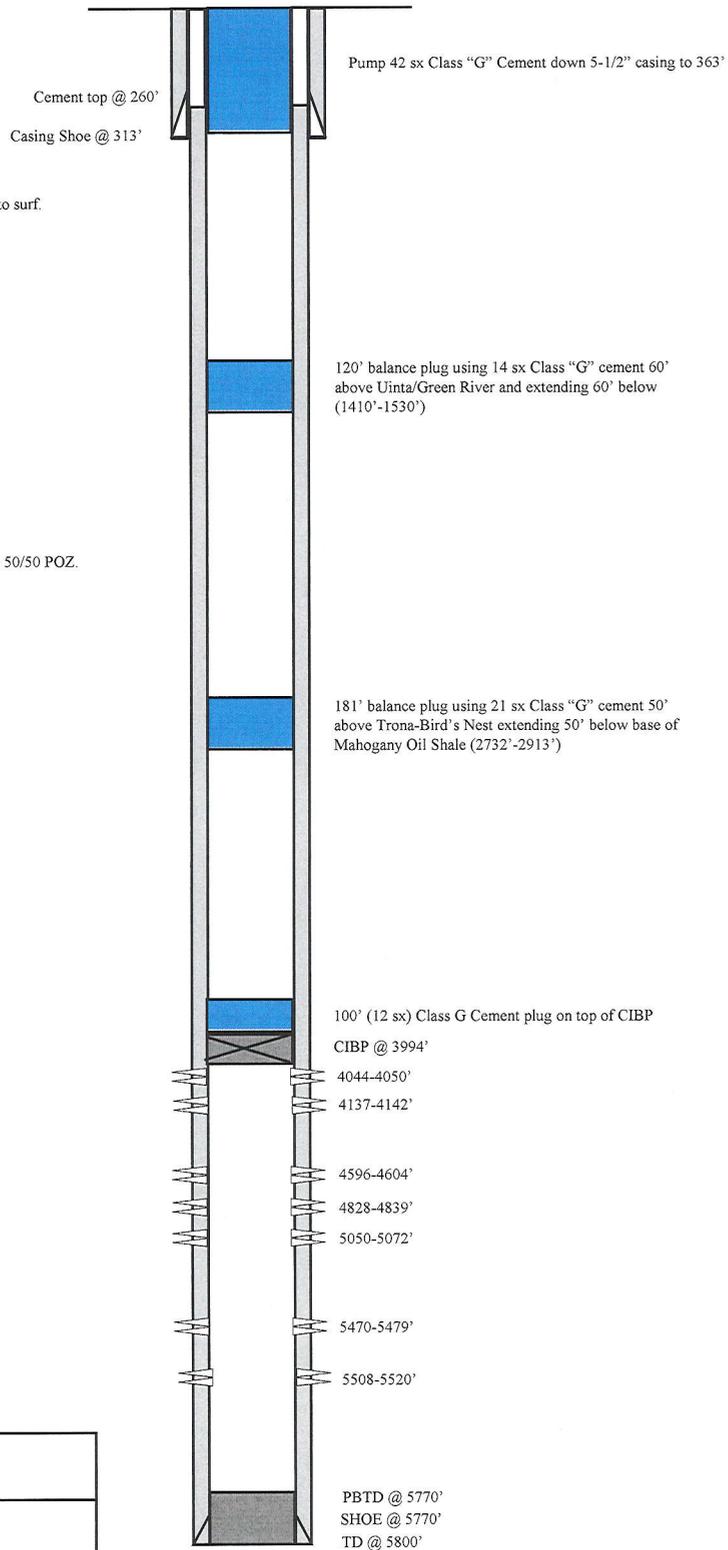
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.68')  
 DEPTH LANDED: 312.58' 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: 130 jts. (5761.28')  
 DEPTH LANDED: 5774.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 260'




<p><b>Jonah Federal 14-14-9-16</b></p> <p>507' FSL &amp; 1684' FWL</p> <p>SE/SW Section 14-T9S-R16E</p> <p>Duchesne Co, Utah</p> <p>API #43-013-32697; Lease #UTU-096547</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
507 FSL 1684 FWL  
SESW Section 14 T9S R16E

5. Lease Serial No.  
USA UTU-096547

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
JONAH FEDERAL 14-14-9-16

9. API Well No.  
4301332697

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

11. County or Parish, State  
DUCHESNE, UT

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

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

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

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

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

Title

Regulatory Lead

Signature

Date

06/18/2010

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

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East  
C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East  
Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East  
Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

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 8<sup>th</sup> day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 11-9-9-16, C & O GOVT 2,  
JONAH FEDERAL 9-12-9-16, JONAH FEDERAL 16-12-9-16,  
JONAH 6-14-9-16, JONAH FEDERAL 12-14-9-16,  
JONAH FEDERAL 14-14-9-16, WALTON FEDERAL 2,  
CASTLE PEAK FEDERAL 42-15.**

**Cause No. UIC-366**

Publication Notices were sent to the following:

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

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

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

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

  
\_\_\_\_\_

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 7/8/2010 3:57 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366

---

Ad #596935 is scheduled to run July 13th in Salt Lake Tribune, Deseret News and on the website utahlegals.com .

Total charge is \$233.48. Please check the ad in the papers.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-204-6245  
Email: [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

---

**From:** Jean Sweet [mailto:[jsweet@utah.gov](mailto:jsweet@utah.gov)]  
**Sent:** Thursday, July 08, 2010 3:11 PM  
**To:** [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-366

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



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

July 8, 2010

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-366

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



**NOTICE OF AGENCY ACTION CAUSE NO. UIC-366**

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, 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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C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East

Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

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 8th day of July, 2010.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/

Brad Hill

Permitting Manager

Published in the Uintah Basin Standard July 13, 2010.



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*

July 8, 2010

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

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

Please send proof of publication and billing to:

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

Sincerely,

  
Jean Sweet  
Executive Secretary

Enclosure



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 10, 2010

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

Subject: Greater Monument Butte Unit Well: Jonah Federal 14-14-9-16, Section 14, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32697

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

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,

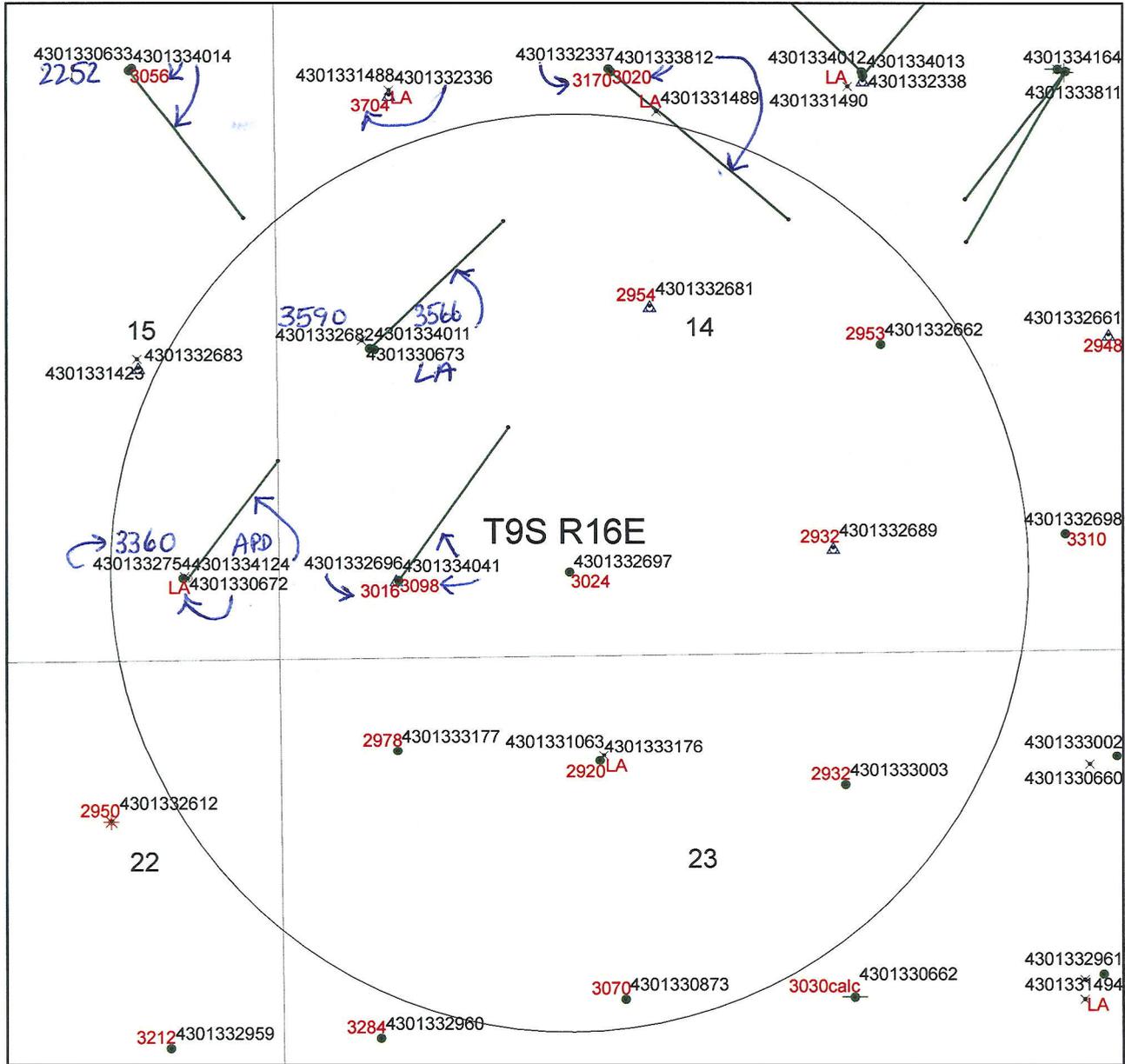
Don Staley  
Acting Associate Director

DTS/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\Newfield





# JONAH FEDERAL 14-14-9-16

## API #43-013-32697

### UIC-366.1

**Legend**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>□ Buffer_of_SGID93_ENERGY_DNROilGasWells_19</li> <li>• Wells-CbltopsMaster8_10_10</li> <li>↗ GAS INJECTION</li> <li>● TW</li> <li>● TA</li> <li>● OPS</li> <li>● GS</li> <li>○ APD</li> <li>⊕ PA</li> <li>× LA</li> <li>⊛ GAS STORAGE</li> <li>× LOCATION ABANDONED</li> <li>○ NEW LOCATION</li> <li>⊖ PLUGGED &amp; ABANDONED</li> <li>⊛ PRODUCING GAS</li> </ul> | <ul style="list-style-type: none"> <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> <li>⊕ DRILLING</li> <li>△ RETURNED GAS</li> <li>△ RETURNED OIL</li> <li>↗ GAS INJECTION SI</li> <li>△ WATER DISP. SUSP.</li> <li>↗ WATER INJ. SUSP.</li> <li>— county-lines</li> <li>▭ Townships</li> <li>▭ Sections</li> <li>— SGID93_ENERGY_DNROilGasWells_HDPath</li> </ul> |
|---|---|



1870calc = approx cement top calculated from well completion report



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

**Applicant:** Newfield Production Company      **Well:** Jonah Federal 14-14-9-16

**Location:** 14/9S/16E      **API:** 43-013-32697

**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 leaseholders 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 5,775 feet. A cement bond log demonstrates adequate bond in this well up to 3,024 feet. A 2 7/8 inch tubing with a packer will be set at 3,994 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 10 producing wells and 3 injection wells in the AOR. In addition, there is 1 directionally drilled producing well with a surface location outside the AOR and a bottom hole location inside the AOR. All of the wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,885 feet and 5,770 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 14-14-9-16 well is 0.87 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,744 psig. The requested maximum pressure is 1,744 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 groundwater present should be adequately protected.

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date 8/10/10

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

The Salt Lake Tribune

WWW.SLTTRIB.COM

MEDIA One  
OF UTAH  
A NEWSPAPER AGENCY COMPANY  
WWW.MEDIAONEUTAH.COM

Deseret News

WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	7/14/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000596935 /		
SCHEDULE			
Start 07/13/2010	End 07/13/2010		
CUST. REF. NO.			
Cause # UIC-366			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINI			
SIZE			
68	Lines	2.00	COLUMN
TIMES	RATE		
4			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
233.48			

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:  
Monument Federal 11-9-9-16 well located in NW/4 NW/4 Section 9, Township 9 South, Range 16 East C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

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 pressure 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, a 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 8th day of July, 2010.

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

596935 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, 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.

PUBLISHED ON Start 07/13/2010 End 07/13/2010

SIGNATURE *Standa F. Stover*

DATE 7/14/2010

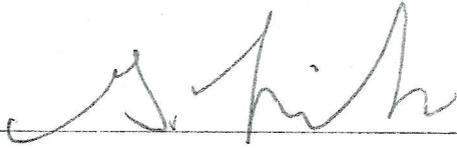
VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 581469  
My Commission Expires  
January 12, 2014  
*Virginia Craft*

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

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR 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 13 day of July, 2010, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of July, 2010, 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.



Editor

Subscribed and sworn to before me this

13 day of July, 2010  
Bonnie Parrish

Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-366

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East

C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

NOTARY PUBLIC-STATE OF UTAH  
471 N HILLCREST DR 415-5  
ROOSEVELT, UTAH 84066  
COMM. EXP. 3-31-2012

SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East

Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

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 8th day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
Published in the Uintah

Basin Standard July 13, 2010.



Send Payments to:  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140  
 www.ubstandard.com  
 www.vernal.com

Invoice Number	2681	Invoice Date	7/13/2010
Advertiser No.	2080	Invoice Amount	\$119.20
		Due Date	8/12/2010

Rose Nolton  
 DIVISION OF OIL GAS & MINING  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

RECEIVED  
 JUL 15 2010  
 DIV. OF OIL, GAS & MINING

12 → 08  
 NEW YEAR

COPY

1 1/2% fee will be charged to all past due balances. Amount Enclosed

Please detach top portion and return with your payment

INVOICE

Uintah Basin Standard		DIVISION OF OIL GAS & MINING		Invoice No. 2681	7/13/2010	
Date	Order	Publications	Description	Ad Size	Sales Tax	Amount
7/13/2010	1510	1	Notice of Agency Action Cause No. UIC-366 Ran July 13, 2010 Uintah Basin Standard		\$0.00	\$119.20
				<b>Total Transactions:</b>	<b>1</b>	<b>\$0.00</b>
						<b>\$119.20</b>

SUMMARY

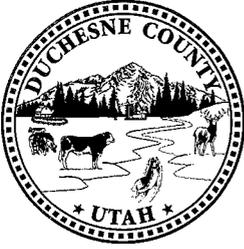
Advertiser No. 2080 Invoice No. 2681

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250/REB/GG UIC AOM/GF 10/6131



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

**RECEIVED  
JUL 19 2010**

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

July 15, 2010

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Newfield Production Company Injection Wells (Cause No UIC-366)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert nine wells, located in Sections 9, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

pc: Mike Guinn, Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-096547

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
JONAH FEDERAL 14-14-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332697

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

PHONE NUMBER  
435.646.3721

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 507 FSL 1684 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESW, 14, T9S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>05/18/2011</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 05/04/2011. On 05/18/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/18/2011 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 525 psig during the test. There was not a State representative available to witness the test.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE



DATE 05/20/2011

(This space for State use only)

**RECEIVED**

**MAY 25 2011**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
USA UTU-096547

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
JONAH FEDERAL 14-14-9-16

9. API Well No.  
4301332697

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

11. County or Parish, State  
DUCHESNE, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
507 FSL 1684 FWL  
SESW Section 14 T9S R16E

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

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

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

The subject well has been converted from a producing oil well to an injection well on 05/04/2011.  
On 05/18/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well.  
On 05/18/2011 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 525 psig during the test. There was not a State representative available to witness the test.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Water Services Technician
Signature 	Date 05/20/2011

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

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

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

(Instructions on page 2)

**RECEIVED**  
**MAY 25 2011**  
DIV. OF OIL, GAS & MINING

mechanical integrity test  
**Casing or Annulus Pressure Test**

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 05/18/11 Time 11:00  am pm

Test Conducted by: Dale Giles

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

Well: <u>Jonah Federal 14-14-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>SE/SW Sec. 14 T9S R16E</u>	API No: <u>43-013-32697</u>

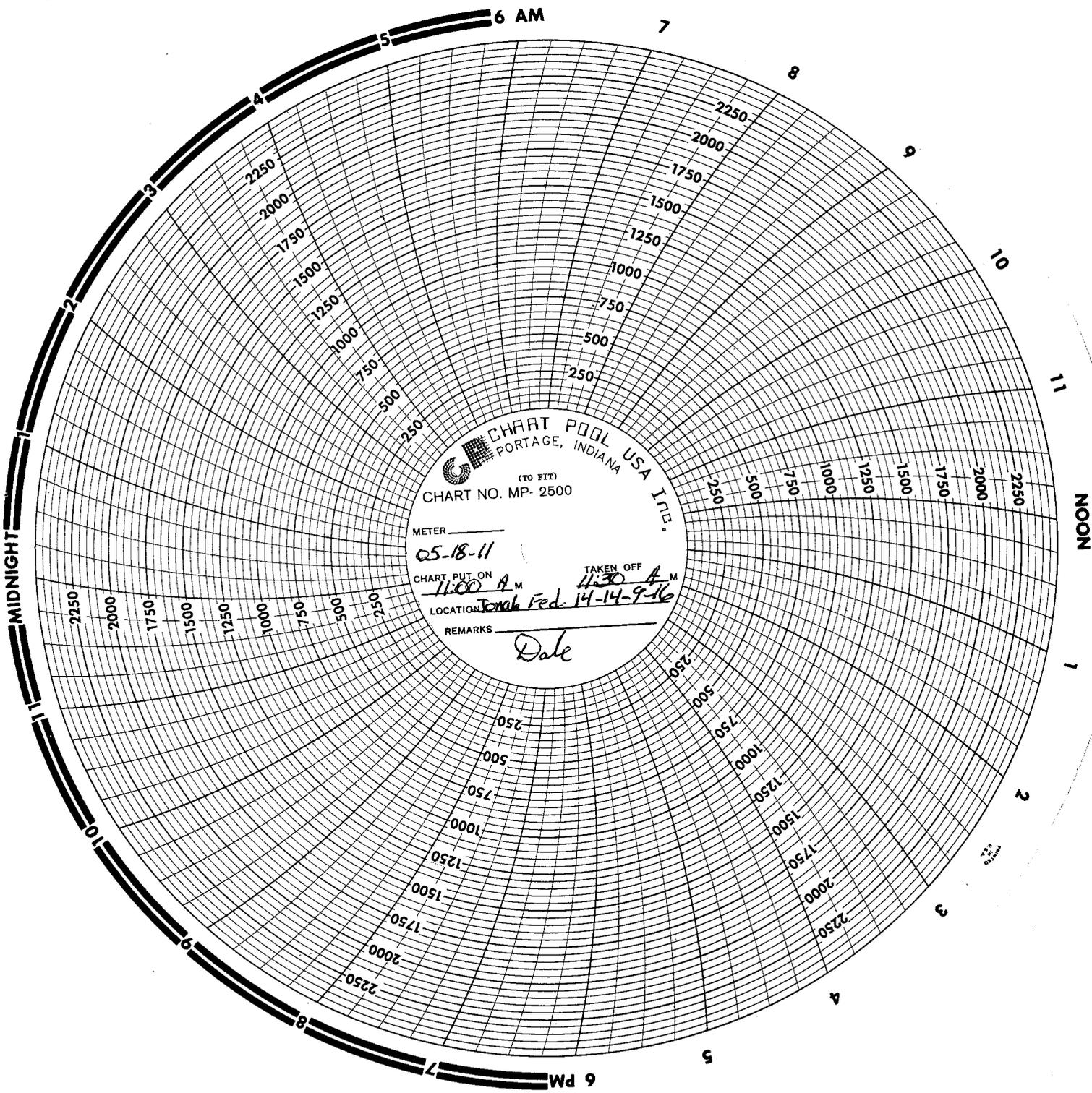
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	<u>1300</u>	psig
25	<u>1300</u>	psig
30 min	<u>1300</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 525 psig

Result:  Pass  Fail

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

Signature of Person Conducting Test: Dale Giles



**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_  
05-18-11  
CHART PUT ON 11:00 A.M.  
TAKEN OFF 11:30 A.M.  
LOCATION Tomb Fed. 14-14-9-16  
REMARKS \_\_\_\_\_  
Date

**Daily Activity Report****Format For Sundry****JONAH 14-14-9-16****3/1/2011 To 7/30/2011****5/4/2011 Day: 1****Conversion**

WWS #1 on 5/4/2011 - MIRU WWS #1. Flush rods. Pressure test tbg. LD rod string. ND WH. NU BOP. TOH w/ tbg, Breaking and doping every connection. 80 jts out. SIWFN - MIRU Western rig #1. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods on TOH. ND wellhead & release TA. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - MIRU Western rig #1. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods on TOH. ND wellhead & release TA. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN. - MIRU Western rig #1. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods on TOH. ND wellhead & release TA. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 80 jts. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** (\$10,689)**5/5/2011 Day: 2****Conversion**

WWS #1 on 5/5/2011 - Continue TOH w/ tbg. LD extra tbg. TIH w/ tbg and packer. Pressure test tbg. Fish SV. Pump pkr fluid. Set pkr and NU WH. Pressure test annulus to 1500 psi. Good test. RDMOSU. Ready for MIT. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 49 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 122 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 60 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 3971', CE @ 3975' & EOT @ 3980'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. RDMOSU. Ready for MIT. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 49 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 122 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 60 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 3971', CE @ 3975' & EOT @ 3980'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. RDMOSU. Ready for MIT. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection,

clean & inspect pins and apply Liquid O-ring to pins. LD btm 49 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 122 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 60 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 3971', CE @ 3975' & EOT @ 3980'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. RDMOSU. Ready for MIT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** (\$758)

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**5/19/2011 Day: 3****Conversion**

Rigless on 5/19/2011 - Conversion MIT - On 5/11/2011 Dennis Ingram with the state of Utah DOGM was contacted concerning the conversion MIT on the above Listed well (Jonah 14-14-9-16). On 5/18/2011 the csg was pressured up to 1300 psi and charted for 30 min. with no pressure loss. The well was not injecting during the test. The tubing pressure was 525 psi during the test. There was not a state representative available to witness the test. API# 43-013-32697 - On 5/11/2011 Dennis Ingram with the state of Utah DOGM was contacted concerning the conversion MIT on the above Listed well (Jonah 14-14-9-16). On 5/18/2011 the csg was pressured up to 1300 psi and charted for 30 min. with no pressure loss. The well was not injecting during the test. The tubing pressure was 525 psi during the test. There was not a state representative available to witness the test. API# 43-013-32697 - On 5/11/2011 Dennis Ingram with the state of Utah DOGM was contacted concerning the conversion MIT on the above Listed well (Jonah 14-14-9-16). On 5/18/2011 the csg was pressured up to 1300 psi and charted for 30 min. with no pressure loss. The well was not injecting during the test. The tubing pressure was 525 psi during the test. There was not a state representative available to witness the test. API# 43-013-32697 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$31,062

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**Pertinent Files: Go to File List**



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

### Cause No. UIC-366

**Operator:** Newfield Production Company

**Well:** Jonah Federal 14-14-9-16

**Location:** Section 14, Township 9 South, Range 16 East

**County:** Duchesne

**API No.:** 43-013-32697

**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 10, 2010.
2. Maximum Allowable Injection Pressure: 1,744 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,885' – 5,770')
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  
John Rogers  
Associate Director

5/31/2011  
Date

JR/MLR/js

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

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



# COPY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)																														
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> JONAH FED 14-14-9-16																															
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013326970000																															
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<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> 0507 FSL 1684 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 14 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH																															
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>																																
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/26/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACTDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <span style="border: 1px solid black; padding: 2px;">PUT ON INJECTION</span></td> </tr> </table>		<input type="checkbox"/> ACTDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <span style="border: 1px solid black; padding: 2px;">PUT ON INJECTION</span>
<input type="checkbox"/> ACTDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The above reference well was put on injection at 1:00 PM on 09/26/2011.																																
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p style="margin: 0;"><b>RECEIVED</b></p> <p style="margin: 0;"><b>SEP 27 2011</b></p> <p style="margin: 0;"><b>DIV. OF OIL, GAS &amp; MINING</b></p> </div>																																
<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> 9/27/2011																															

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> JONAH FED 14-14-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013326970000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0507 FSL 1684 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 14 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/26/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> <b>CONVERT WELL TYPE</b>
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> <b>OTHER</b>	OTHER: <span style="border: 1px solid black; padding: 2px;">PUT ON INJECTION</span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The above reference well was put on injection at 1:00 PM on 09/26/2011.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
  
**Date:** 10/13/2011  
  
**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/27/2011	

<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-096547
		<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> JONAH FED 14-14-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013326970000
<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> 0507 FSL 1684 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 14 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: 6/7/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input 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
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	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input checked="" 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="WORKOVER"/>

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

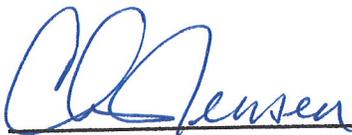
The above subject well had workover procedures performed (tubing leak), attached is a daily status report. On 06/06/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/07/2012 the csg was pressured up to 1380 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbp pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
June 12, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/11/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

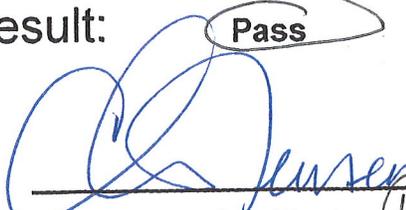
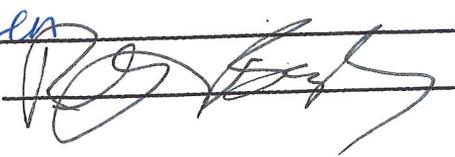
Witness:  Date 6/7/12 Time 9:00  am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

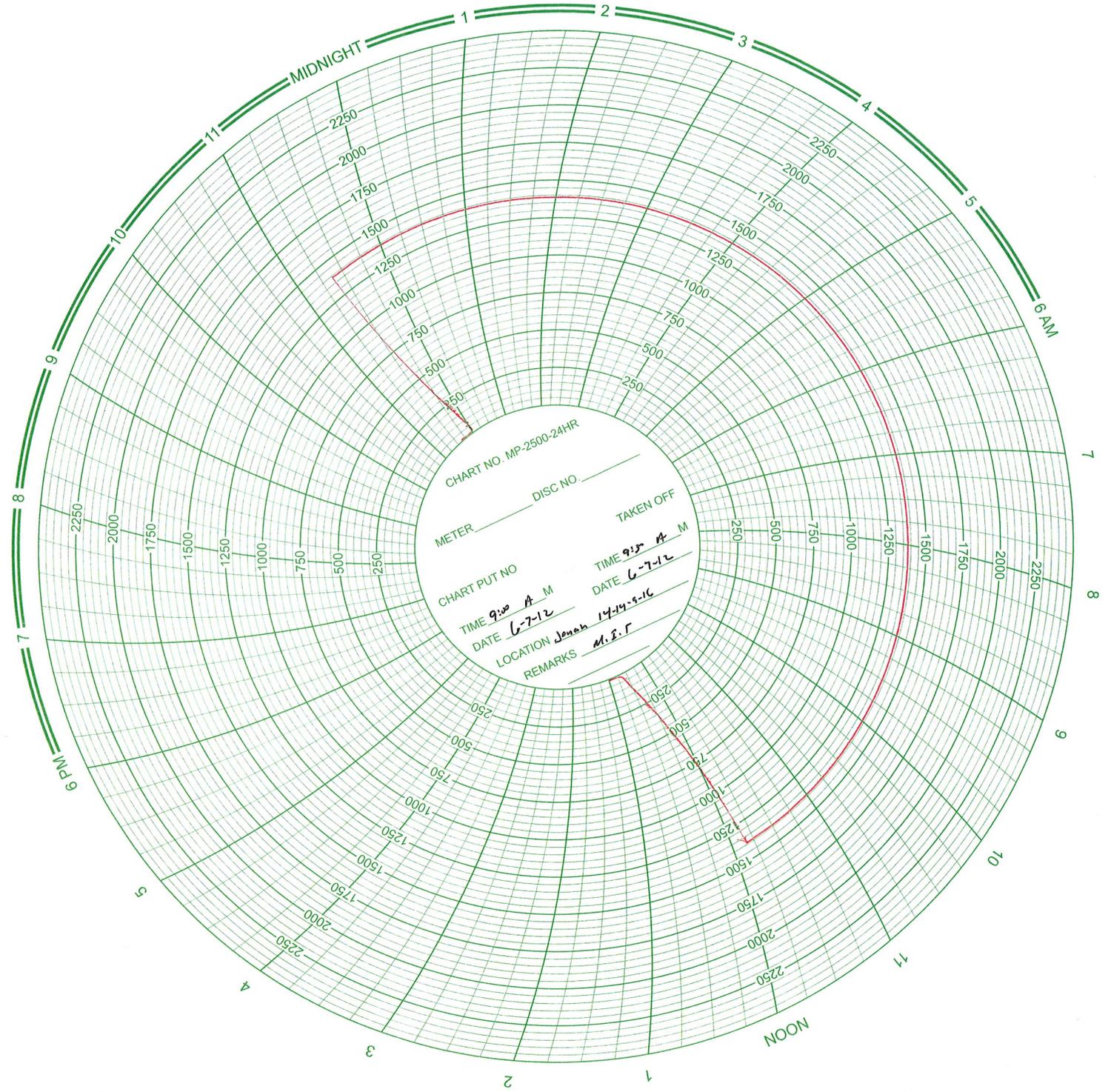
Well: <u>Jonah 14-14-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Jonah 14-14-9-16</u>	API No: <u>4301332697</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1380</u>	psig
5	<u>1380</u>	psig
10	<u>1380</u>	psig
15	<u>1380</u>	psig
20	<u>1380</u>	psig
25	<u>1380</u>	psig
30 min	<u>1380</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness:   
Signature of Person Conducting Test: 



## Daily Activity Report

Format For Sundry

**JONAH 14-14-9-16**

**4/1/2012 To 8/30/2012**

**6/1/2012 Day: 1**

**Workover**

NC #2 on 6/1/2012 - MIRUSU, R/D Wellhead, R/U Weatherford BOPS, Release Pkr, Pressure Test Tbg - Move From The Canvasback 14-22-8-17 To The Jonah 14-14-9-16, Rig Maintenance, Wait For Benco & Wtr, MIRUSU, R/D Wellhead, Release Pkr, R/U Work Floor, R/U H/Oiler To Tbg, Drop Stnd Vlve, Try To Pressure Test Tbg To 3,000 Psi, No Test, R/U Sandline, RIH & Seat Stnd Vlve, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Let Hold Over The Weekend, SWI, CSDFN @ 7:30 PM, 7:30 To 8:00 PM C/Trvl. - Move From The Canvasback 14-22-8-17 To The Jonah 14-14-9-16, Rig Maintenance, Wait For Benco & Wtr, MIRUSU, R/D Wellhead, Release Pkr, R/U Work Floor, R/U H/Oiler To Tbg, Drop Stnd Vlve, Try To Pressure Test Tbg To 3,000 Psi, No Test, R/U Sandline, RIH & Seat Stnd Vlve, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Let Hold Over The Weekend, SWI, CSDFN @ 7:30 PM, 7:30 To 8:00 PM C/Trvl. - Move From The Canvasback 14-22-8-17 To The Jonah 14-14-9-16, Rig Maintenance, Wait For Benco & Wtr, MIRUSU, R/D Wellhead, Release Pkr, R/U Work Floor, R/U H/Oiler To Tbg, Drop Stnd Vlve, Try To Pressure Test Tbg To 3,000 Psi, No Test, R/U Sandline, RIH & Seat Stnd Vlve, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Let Hold Over The Weekend, SWI, CSDFN @ 7:30 PM, 7:30 To 8:00 PM C/Trvl. - Move From The Canvasback 14-22-8-17 To The Jonah 14-14-9-16, Rig Maintenance, Wait For Benco & Wtr, MIRUSU, R/D Wellhead, Release Pkr, R/U Work Floor, R/U H/Oiler To Tbg, Drop Stnd Vlve, Try To Pressure Test Tbg To 3,000 Psi, No Test, R/U Sandline, RIH & Seat Stnd Vlve, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Let Hold Over The Weekend, SWI, CSDFN @ 7:30 PM, 7:30 To 8:00 PM C/Trvl.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$6,416

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**6/4/2012 Day: 2**

**Workover**

NC #2 on 6/4/2012 - POOH W/- Tbg, Break & Dope Every Collar, P/U & TIH W/- New Pkr - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Pressure Bled Off Approx. 150 Psi, Bump Back Up, Watch Pressure Bleed Off Sowly, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 122- Jts Tbg Breaking & Dopeing Every Collar, SN, Arrowset Pkr, P/U & RIH W/- 2 3/8" Collar, 2 3/8" x 1.875 XN Profile Nipple & Collar, 2 3/8" x 2 7/8" X-Over, 5 1/2" Arrowset Pkr, 1.875 X Profile Seal Nipple, On / Off Skirt, 40 Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Pressure Bled Off Approx. 150 Psi, Bump Back Up, Watch Pressure Bleed Off Sowly, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 122- Jts Tbg Breaking & Dopeing Every Collar, SN, Arrowset Pkr, P/U & RIH W/- 2 3/8" Collar, 2 3/8" x 1.875 XN Profile Nipple & Collar, 2 3/8" x 2 7/8" X-Over, 5 1/2" Arrowset Pkr, 1.875 X Profile Seal Nipple, On / Off Skirt, 40 Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Pressure Bled Off Approx. 150 Psi, Bump Back Up, Watch Pressure Bleed Off Sowly, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 122- Jts Tbg Breaking & Dopeing Every Collar, SN, Arrowset Pkr, P/U & RIH W/- 2 3/8" Collar, 2 3/8" x 1.875 XN Profile Nipple & Collar, 2 3/8" x 2 7/8" X-Over, 5 1/2" Arrowset Pkr, 1.875 X Profile Seal Nipple, On / Off Skirt, 40 Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Pressure Bled Off Approx. 150 Psi, Bump Back Up, Watch Pressure Bleed Off Sowly, R/U Sandline, Fish Stnd Vlve, R/D Sandline, POOH W/- 122- Jts Tbg Breaking & Dopeing Every Collar, SN, Arrowset Pkr, P/U & RIH W/- 2 3/8" Collar, 2 3/8" x 1.875 XN Profile Nipple & Collar, 2 3/8" x 2 7/8" X-Over, 5 1/2" Arrowset Pkr, 1.875 X Profile Seal Nipple, On / Off Skirt, 40 Jts Tbg, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0  
**Cumulative Cost:** \$14,806

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**6/5/2012 Day: 3**

**Workover**

NC #2 on 6/5/2012 - Pressure Test Tbg, Pressure Test Csg - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Finish TIH W/- 82-Jts Tbg, R/U H/Oiler To Tbg, Drop Stnd Vlve, R/U Sandline, Make Sure Stnd Vlve Is Seated, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Try To Hold For 1 Hr, No Test, Bump Back Up A Couple Of Times, Finally Get A Test On Tbg, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Fill & Test Csg To 1,500 Psi, Try To Hold For 1 Hr, Pressure Bled Off A Couple Of Times, Bump Back Up, Hold Pressure Solid For 1 Hr, Good Test, Well Ready For MIT - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Finish TIH W/- 82-Jts Tbg, R/U H/Oiler To Tbg, Drop Stnd Vlve, R/U Sandline, Make Sure Stnd Vlve Is Seated, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Try To Hold For 1 Hr, No Test, Bump Back Up A Couple Of Times, Finally Get A Test On Tbg, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Fill & Test Csg To 1,500 Psi, Try To Hold For 1 Hr, Pressure Bled Off A Couple Of Times, Bump Back Up, Hold Pressure Solid For 1 Hr, Good Test, Well Ready For MIT - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Finish TIH W/- 82-Jts Tbg, R/U H/Oiler To Tbg, Drop Stnd Vlve, R/U Sandline, Make Sure Stnd Vlve Is Seated, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Try To Hold For 1 Hr, No Test, Bump Back Up A Couple Of Times, Finally Get A Test On Tbg, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Fill & Test Csg To 1,500 Psi, Try To Hold For 1 Hr, Pressure Bled Off A Couple Of Times, Bump Back Up, Hold Pressure Solid For 1 Hr, Good Test, Well Ready For MIT - 5:30 To 6:00 PM C/Trvl, 6:00 AM OWU, Finish TIH W/- 82-Jts Tbg, R/U H/Oiler To Tbg, Drop Stnd Vlve, R/U Sandline, Make Sure Stnd Vlve Is Seated, R/D Sandline, Pressure Test Tbg To 3,000 Psi, Try To Hold For 1 Hr, No Test, Bump Back Up A Couple Of Times, Finally Get A Test On Tbg, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Injection Tree, R/U H/Oiler To Csg, Pmp 70 Bbls Wtr & Pkr Fluid, R/D Inj. Tree, Set Pkr, R/U Inj. Tree, Fill & Test Csg To 1,500 Psi, Try To Hold For 1 Hr, Pressure Bled Off A Couple Of Times, Bump Back Up, Hold Pressure Solid For 1 Hr, Good Test, Well Ready For MIT **Finalized**

**Daily Cost:** \$0  
**Cumulative Cost:** \$31,898

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**6/7/2012 Day: 4**

**Workover**

Rigless on 6/7/2012 - Conduct MIT - On 06/06/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/07/2012 the csg was pressured up to 1380 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 06/06/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/07/2012 the csg was pressured up to 1380 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 06/06/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/07/2012 the csg was pressured up to 1380 psig and charted for 30 pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 06/06/2012 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/07/2012 the csg was pressured up to 1380 psig and charted for 30

minute with no pressure loss. The well was not injecting during the test. The tbg pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$32,798

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

# Jonah Federal 14-14-9-16

Spud Date: 10-11-05  
 Put on Production: 11-22-05  
 GL: 5740' KB: 5752'

## Injection Wellbore Diagram

### SURFACE CASING

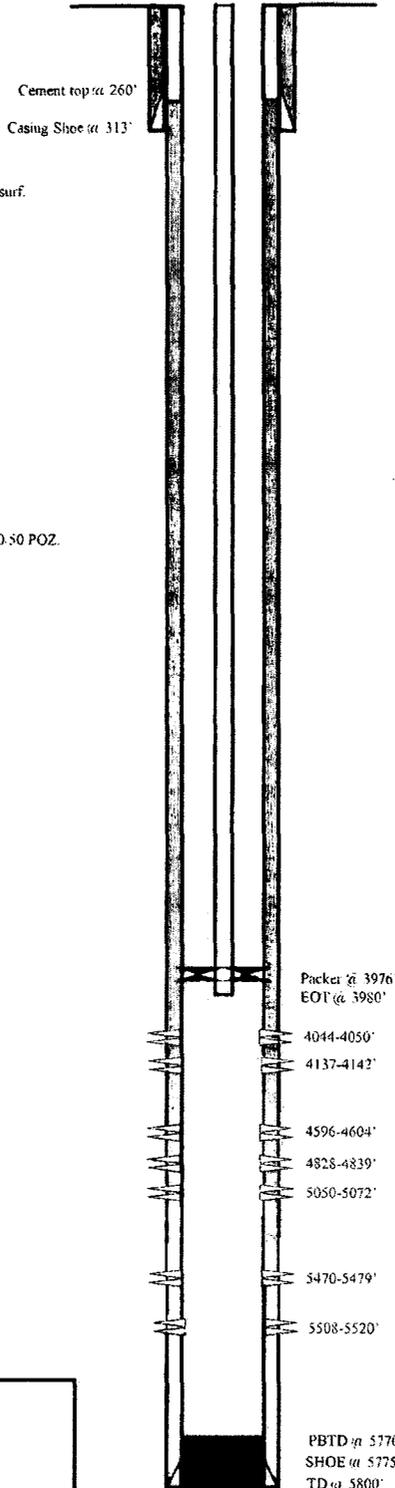
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (301.68')  
 DEPTH LANDED: 312.55' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts (5761.28')  
 DEPTH LANDED: 5774.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50-50 POZ.  
 CEMENT TOP AT: 260'

### TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 - 6.5#  
 NO. OF JOINTS: 122 jts (3961.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3971.3'  
 CE @ 3975.74'  
 TOTAL STRING LENGTH: EOT @ 3980'



### FRAC JOB

11-14-05 5470-5520' **Frac CP1, & CP2 sands as follows:**  
 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.

11-15-05 5050-5072' **Frac A1 sands as follows:**  
 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1808 psi w avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.

11-15-05 4828-4839' **Frac B1 sands as follows:**  
 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.

11-15-05 4596-4604' **Frac D1 sands as follows:**  
 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 psi w avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.

11-15-05 4044-4142' **Frac GB4, & GB6 sands as follows:**  
 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 psi w avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.

05-02-07 **Tubing Leak - Rod & Tubing detail updated.**

09-11-07 **Tubing Leak - Rod & Tubing detail updated.**

7-21-08 **Tubing Leak. Updated rod & tubing details.**

1-29-10 **Parted rods. Updated rod and tubing detail.**

05-04-11 **Convert to Injection well**

05-18-11 **Conversion MIT Finalized - update rbg detail**

### PERFORATION RECORD

Date	Depth Range	Number of JSPF	Number of Holes
11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes

**NEWFIELD**

**Jonah Federal 14-14-9-16**

507' FSL & 1684' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32697; Lease #UTU-096547