

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

5. LEASE DESIGNATION AND SERIAL NO. <b>U-096550</b>
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
7. UNIT AGREEMENT NAME <b>Jonah</b>
8. FARM OR LEASE NAME WELL NO. <b>4-11-9-16</b>
9. API WELL NO.
10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>NW/NW Sec. 11, T9S, R16E R16E</b>
12. County <b>Duchesne</b>
13. STATE <b>UT</b>

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK    **DRILL**  **DEEPEN**

1b. TYPE OF WELL

OIL WELL     GAS WELL     OTHER     SINGLE ZONE     MULTIPLE ZONE    

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052      Phone: (435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface    **NW/NW      711' FWL 864' FNL**      **4433520 N**  
At proposed Prod. Zone      **577389 E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 18.8 miles south of Myton, Utah**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE. FT. (Also to) <b>Approx. 711' f/lse line &amp; 711' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>840.00</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>
--	--	---

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL. DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE. FT. <b>Approx. 1286'</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>
--	------------------------------------	--

21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5551.9' GR</b>	22. APPROX. DATE WORK WILL START* <b>3rd Quarter 2001</b>
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**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

**Inland Production Company proposes to drill this well in accordance with the attached exhibits.**

**The Conditions of Approval are also attached.**

**Federal Approval of this  
Action is Necessary**

**RECEIVED**  
**JUN 25 2001**  
**DIVISION OF  
OIL, GAS AND MINING**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Mandie Corjia* TITLE Permit Clerk DATE June 22, 2001

(This space for Federal or State office use)

PERMIT NO. 43-013-32279 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Bradley G. Hill* TITLE BRADLEY G. HILL DATE 06-28-01  
**RECLAMATION SPECIALIST III**

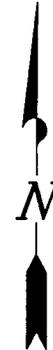
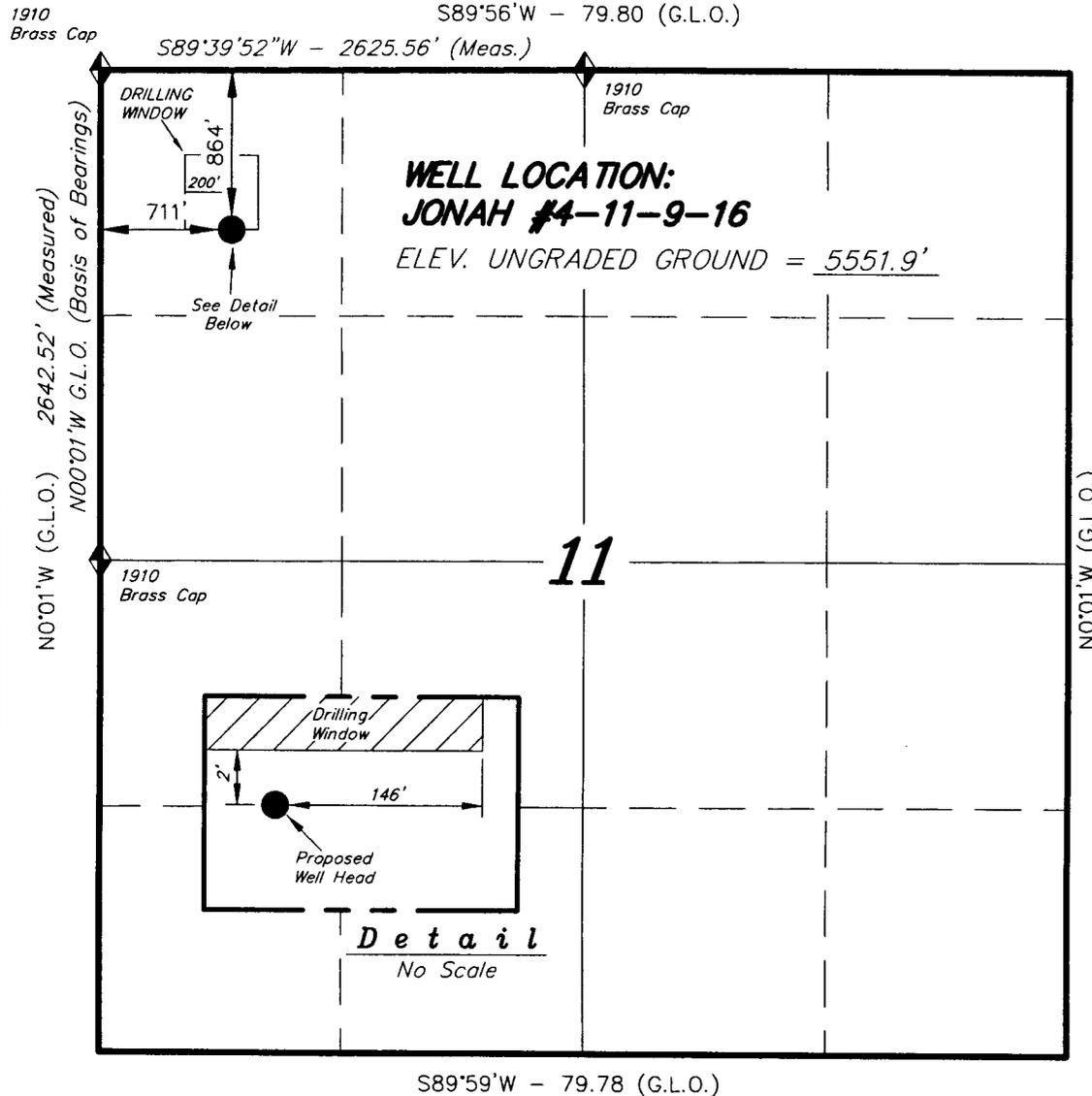
**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes 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.

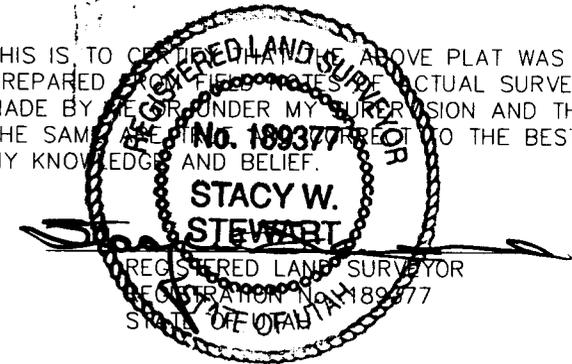
# T9S, R16E, S.L.B.&M.

## INLAND PRODUCTION COMPANY

WELL LOCATION, JONAH #4-11-9-16,  
 LOCATED AS SHOWN IN THE NW 1/4 NW  
 1/4 OF SECTION 11, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

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

### TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 5-14-01

WEATHER: WARM

NOTES:

FILE #

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

June 26, 2001

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2001 Plan of Development Jonah Unit Duchesne  
County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 2001 within the Jonah Unit, Duchesne County, Utah.

(Proposed PZ Green River)

43-013-32279 Jonah 4-11-9-16 Sec. 11, T9S, R16E 0864 FNL 0711 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-26-1



June 22, 2001

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

RE: Application for Permit to Drill Well No: 11-7-9-17 and 4-11-9-16.

Dear Brad:

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,

Mandie Crozier  
Permit Clerk

mc  
enclosures

cc: Jon Holst  
Denver office well file  
Pleasant Valley well file

**RECEIVED**

JUN 25 2001

DIVISION OF  
OIL, GAS AND MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Jonah 4-11-9-16

API Number:

Lease Number: U-096550

**GENERAL**

Access well location from the south, off the access road for the proposed 4-11-9-16 well location.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND Uintah COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND Uintah COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND Uintah COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND Uintah COUNTIES, UTAH EA NUMBER 1996-61.*

**TREATENED, ENDAGERED, AND OTHER SENSITIVE SPECIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND Uintah COUNTIES, UTAH EA NUMBER 1996-61.*

**FERRUGINOUS HAWK:** In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**BURROWING OWL:** Due to the proximity of the location to active prairie fog towns, there is the potential to encounter nesting burrowing owl between April 1 and July 15. If new construction or surface disturbing activities are scheduled between April 1 and July 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owl within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 miles of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

#### **OTHER**

Installation of the surface gas pipeline and any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the water line area will be completed within 10 days after installation. The surface will be recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

INLAND PRODUCTION COMPANY  
JONAH #4-11-9-16  
NW/NW SECTION 11, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	6500'

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

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
JONAH #4-11-9-16  
NW/NW SECTION 11, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Jonah #4-11-9-16 located in the NW 1/4 NW 1/4 Section 11, 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 9.2 miles  $\pm$  to its junction with an existing road to the northeast; proceed northerly and then easterly 6.3 miles  $\pm$  to its junction with an existing road to the southwest; proceed southwesterly 1.0 miles  $\pm$  to its junction with the proposed access road; proceed northerly along the proposed access road 1764'  $\pm$  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

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

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 Paleontological Resource Survey and Archaeological Resource Survey for this area are attached.

Inland Production Company requests a 60' ROW for the Jonah #4-11-9-16 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."**

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

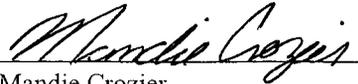
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #4-11-9-16 NW/NW Section 11, Township 9S, Range 16E: Lease U-096550 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

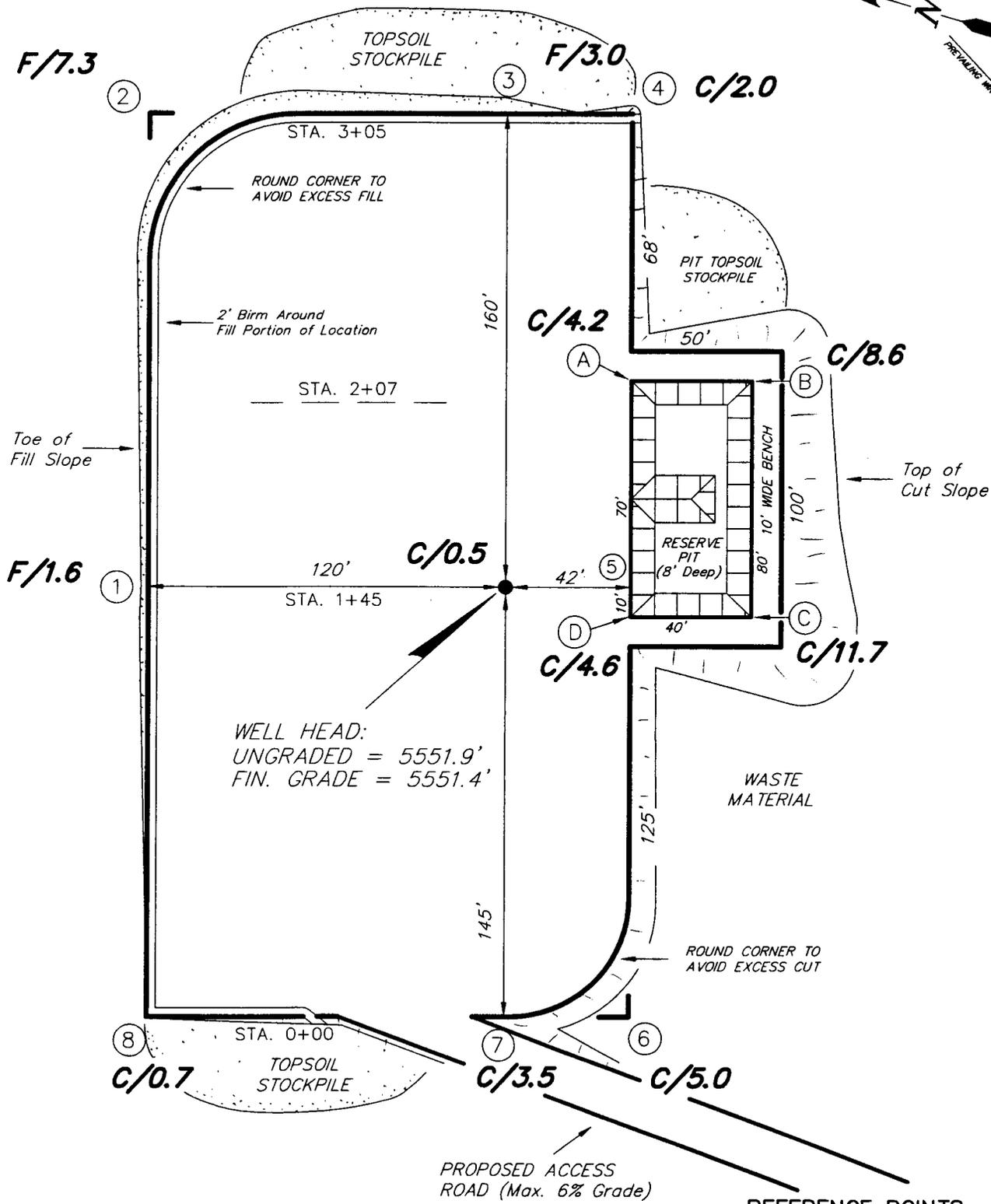
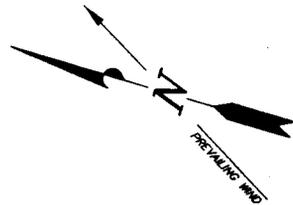
June 22, 2001

Date

  
Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

JONAH #4-11-9-16  
SEC. 11, T9S, R16E, S.L.B.&M.



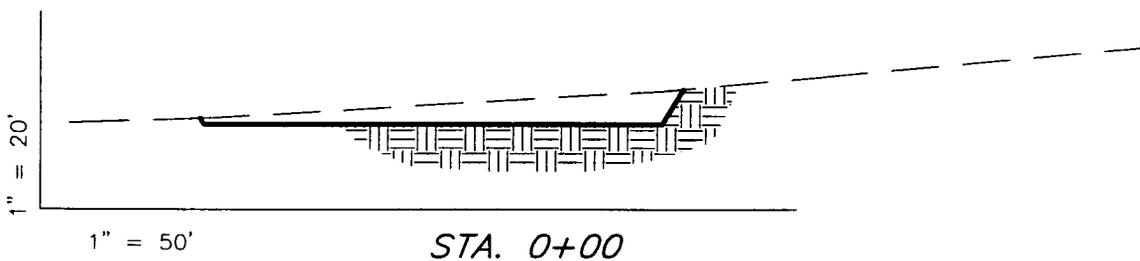
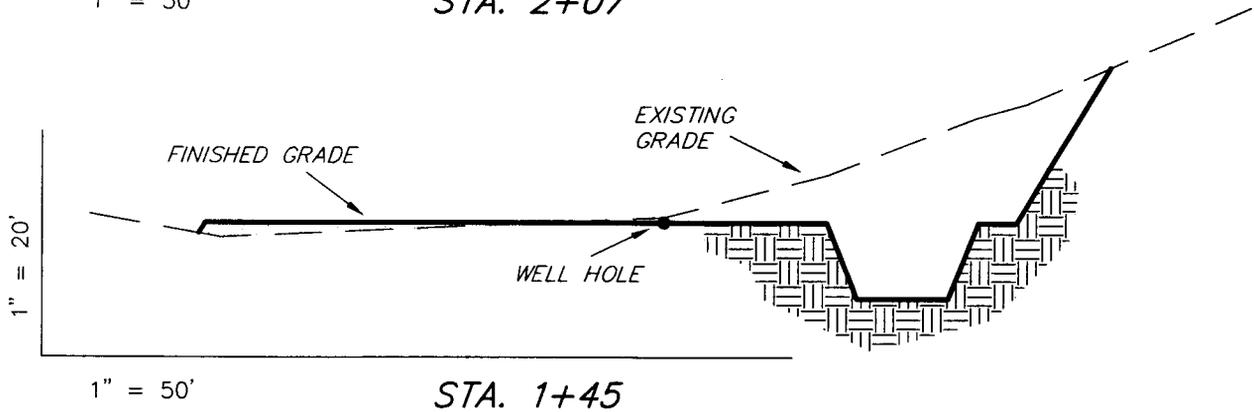
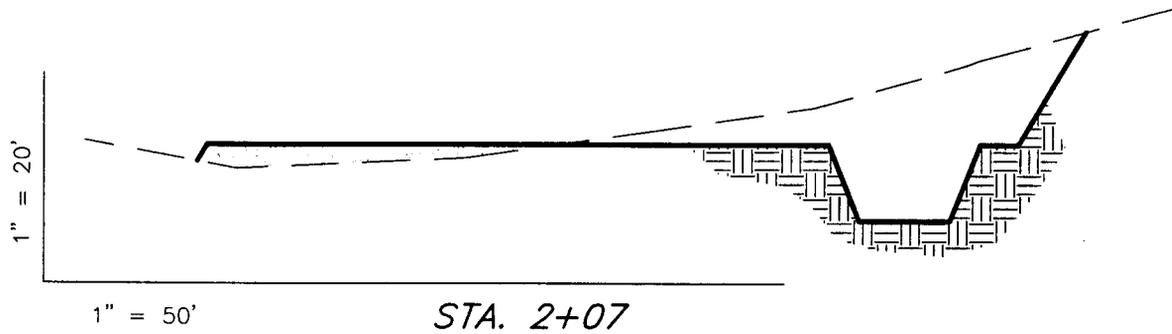
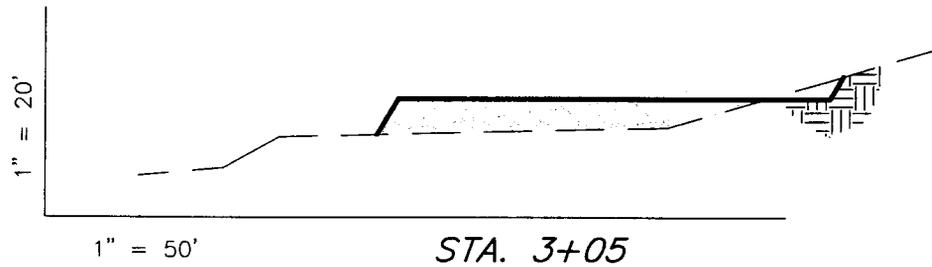
**REFERENCE POINTS**  
 210' EAST = 5546.4'  
 260' EAST = 5544.7'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	<p style="text-align: right;">(435) 781-2501</p>
DRAWN BY: J.R.S.	DATE: 5-14-01	
		38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

JONAH #4-11-9-16



### APPROXIMATE YARDAGES

CUT = 3,370 Cu. Yds.

FILL = 1,790 Cu. Yds.

PIT = 640 Cu. Yds.

6" TOPSOIL = 1,010 Cu. Yds.

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

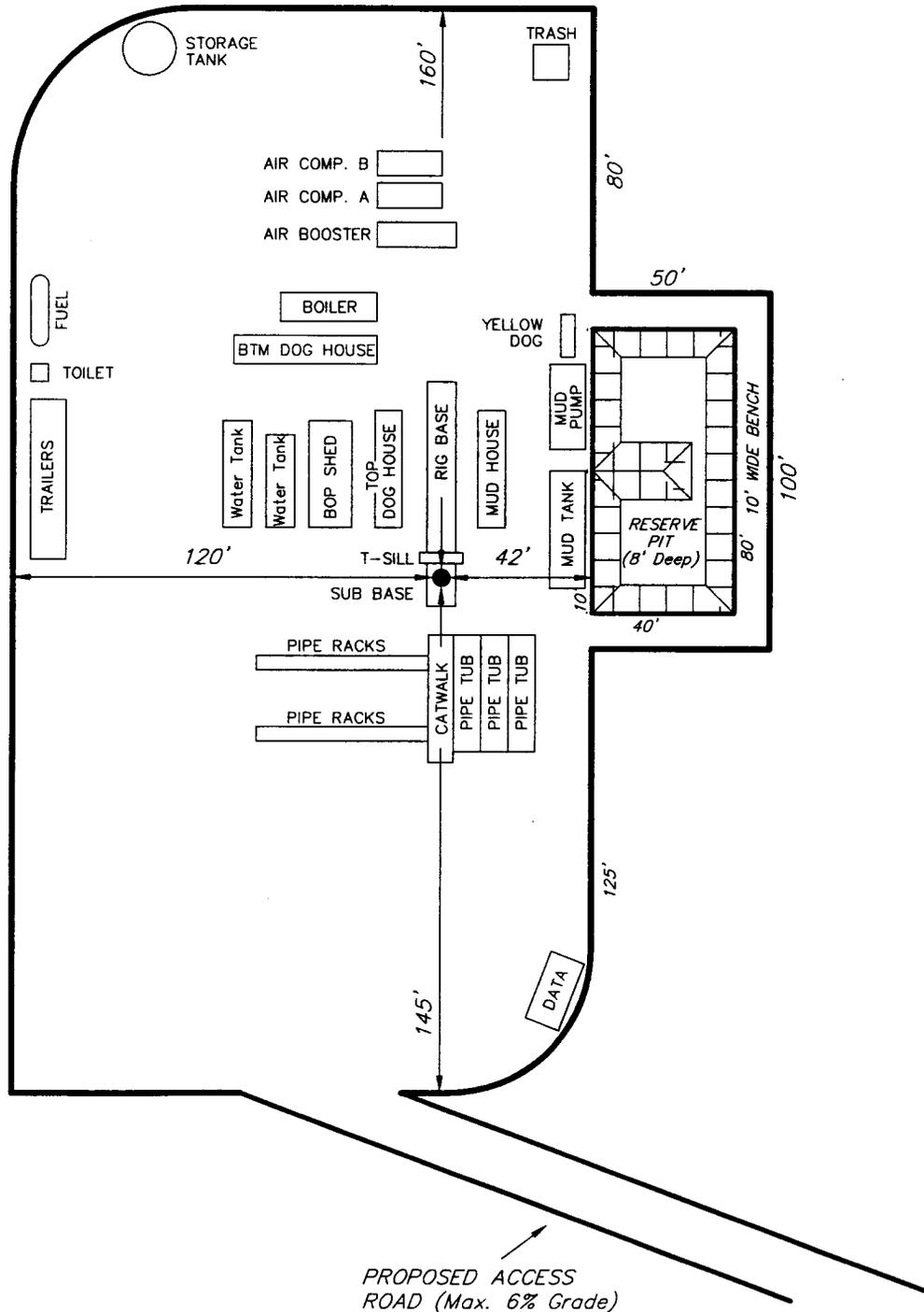
DATE: 5-14-01

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

JONAH #4-11-9-16



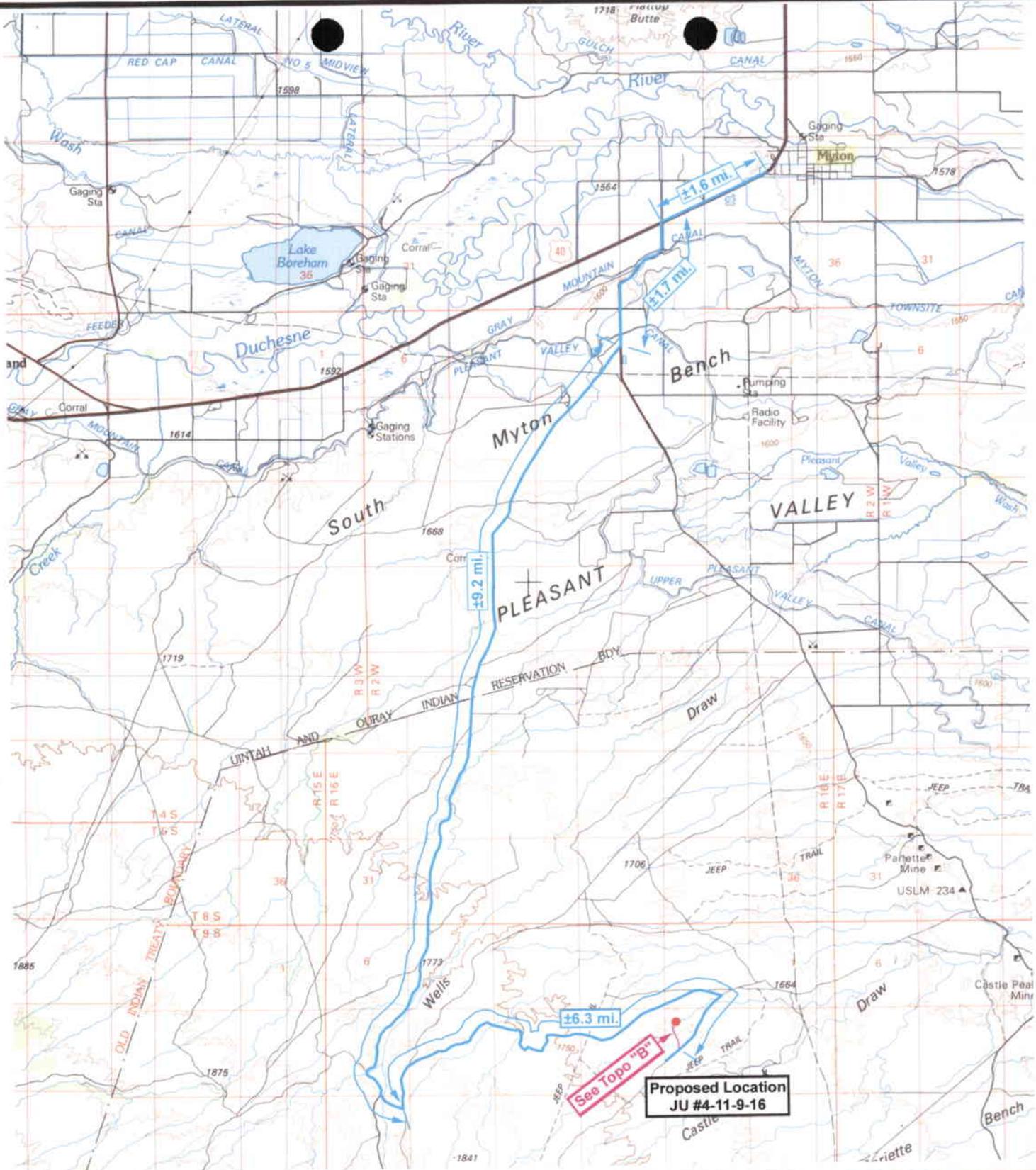
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 5-14-01

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 38 WEST 100 NORTH VERNAL, UTAH 84078



**Jonah Unit #4-11-9-16  
SEC. 11, T9S, R16E, S.L.B.&M.**



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

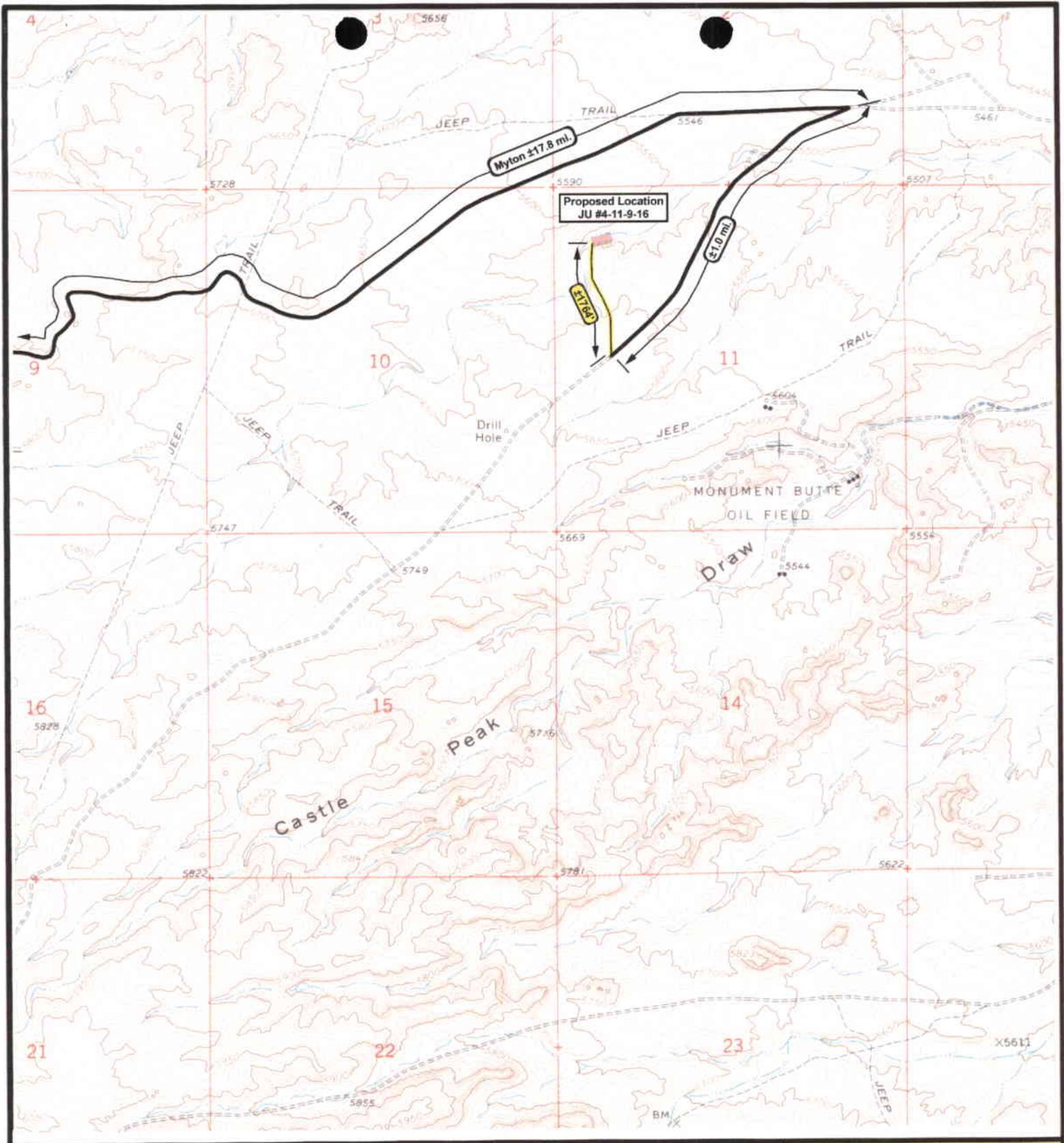
SCALE: 1 : 100,000  
DRAWN BY: bgm  
DATE: 5-17-2001

**Legend**

- EXISTING ROAD
- PROPOSED ROAD

TOPOGRAPHIC MAP

**"A"**



**Jonah Unit #4-11-9-16  
SEC. 11, T9S, R16E, S.L.B.&M.**



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

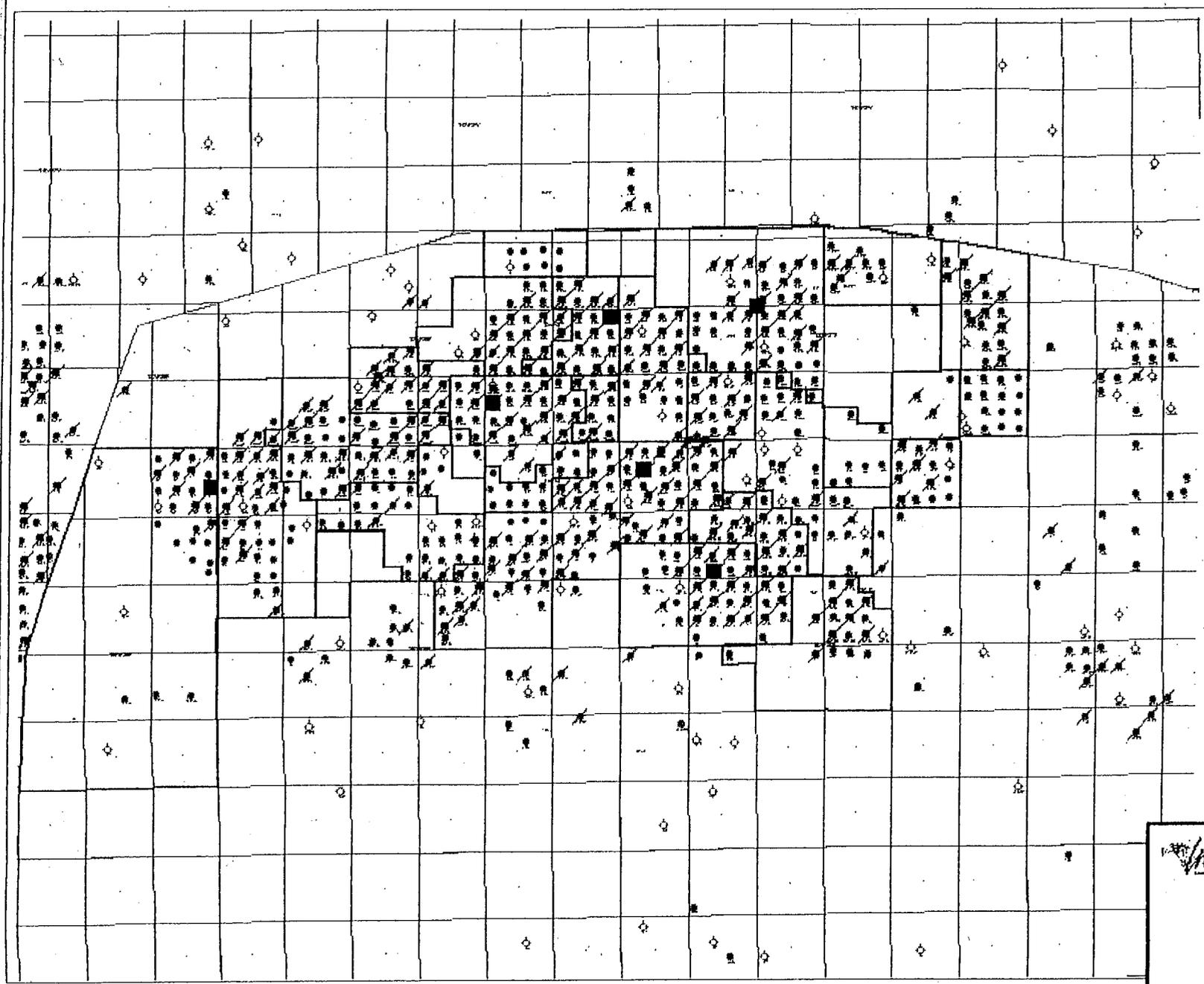
SCALE: 1" = 2000'  
DRAWN BY: bgm  
DATE: 05-16-2001

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**





- Heckin Shakra
- Well Categories
- ↘ WJ
- OIL
- ◇ DRY
- ★ SHUTIN
- Umta

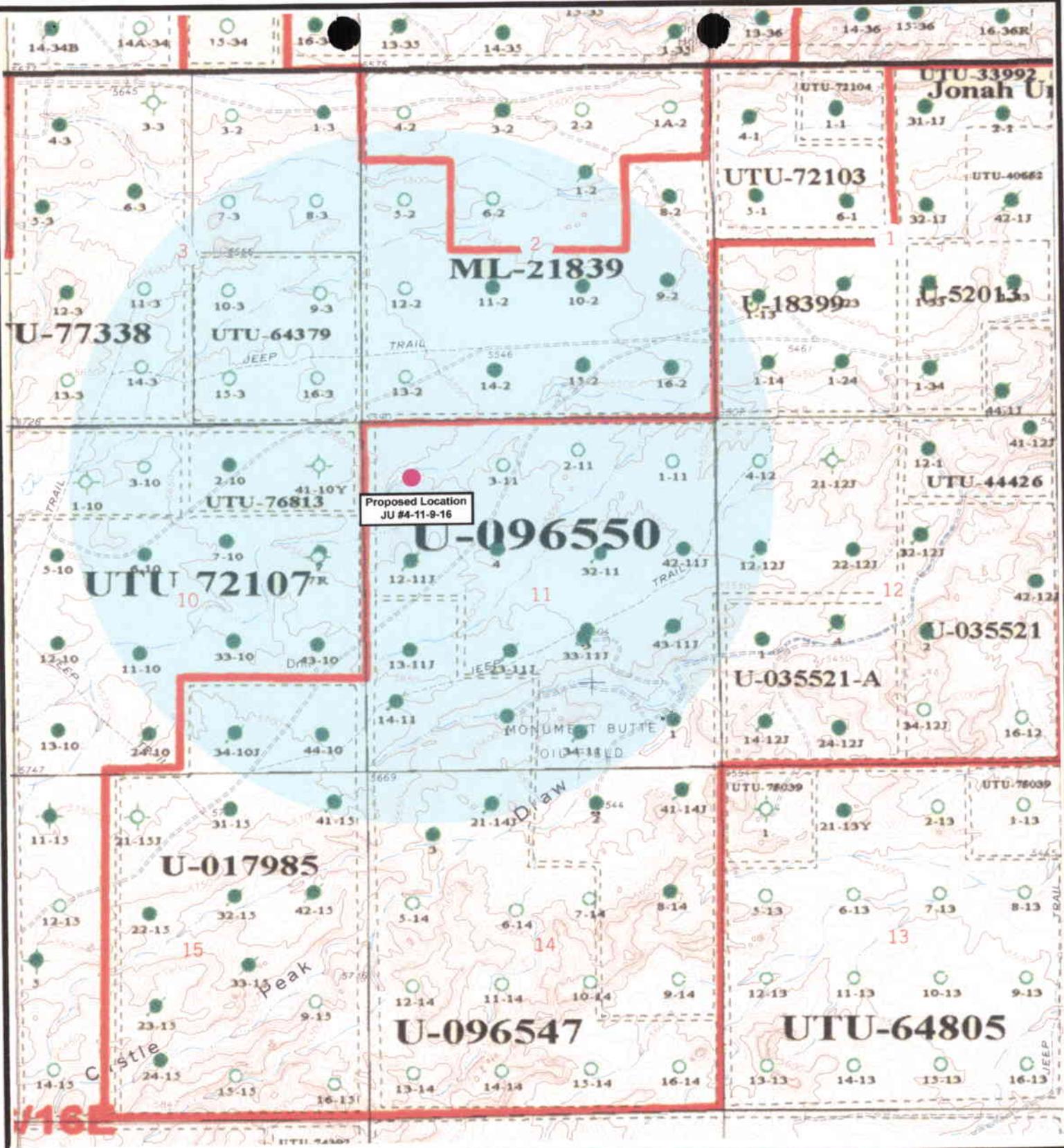


Exhibit "A"

*Inland*  
 410 17<sup>th</sup> Street, Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 833-0122

**Umta Basin**  
**LINEA BATH'S, L.L.P.**  
 Bushman & Elms County, Lesotho

Scale: 1:50,000 L. J. Cooper



Proposed Location  
JU #4-11-9-16



**Jonah Unit #4-11-9-16**  
**Sec. 11, T9S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2000'  
DRAWN BY: bgm  
DATE: 05-16-2001

**Legend**

- Proposed Location
- One Mile Radius

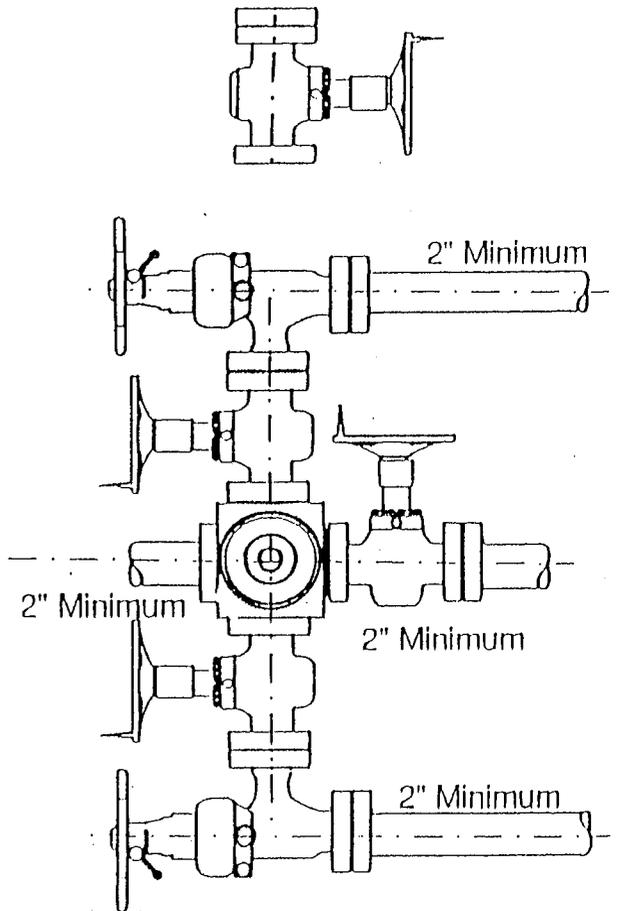
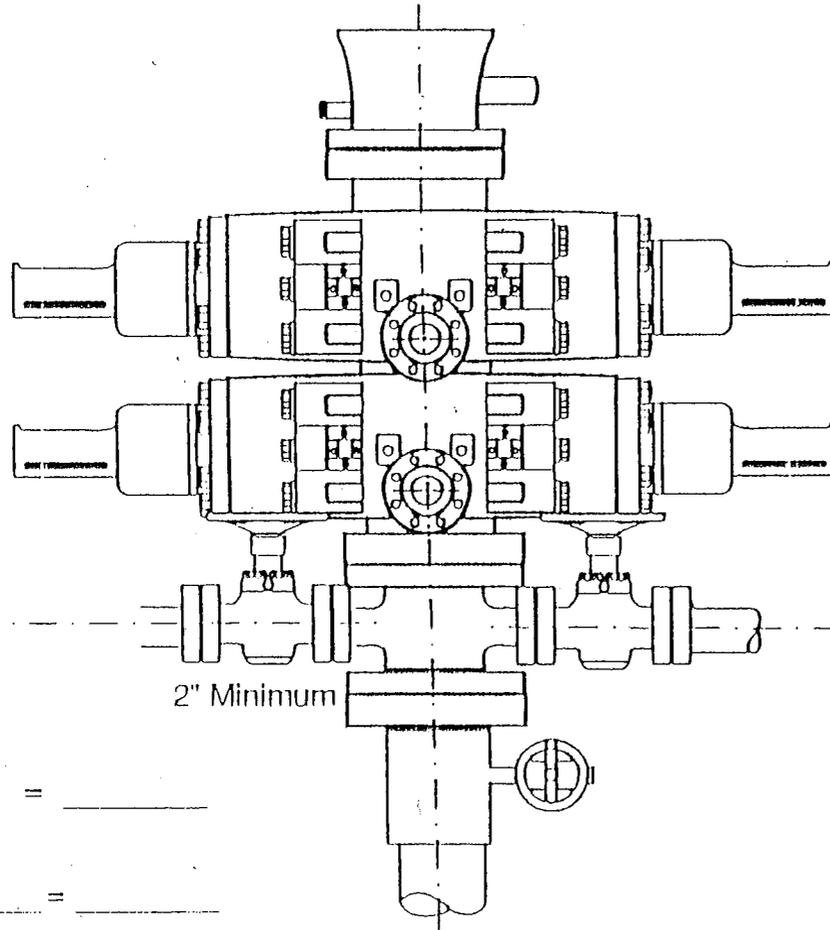
**Exhibit**  
**"B"**

BYTON SE

RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:

# 2-M SYSTEM

EXHIBIT "C"



GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/25/2001

API NO. ASSIGNED: 43-013-32279
--------------------------------

WELL NAME: JONAH 4-11-9-16  
 OPERATOR: INLAND PRODUCTION ( N5160 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
 NWNW 11 090S 160E  
 SURFACE: 0864 FNL 0711 FWL  
 BOTTOM: 0864 FNL 0711 FWL  
 DUCHESNE  
 MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: U-096550  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

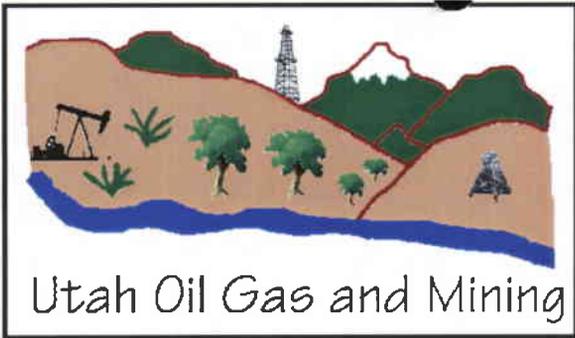
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

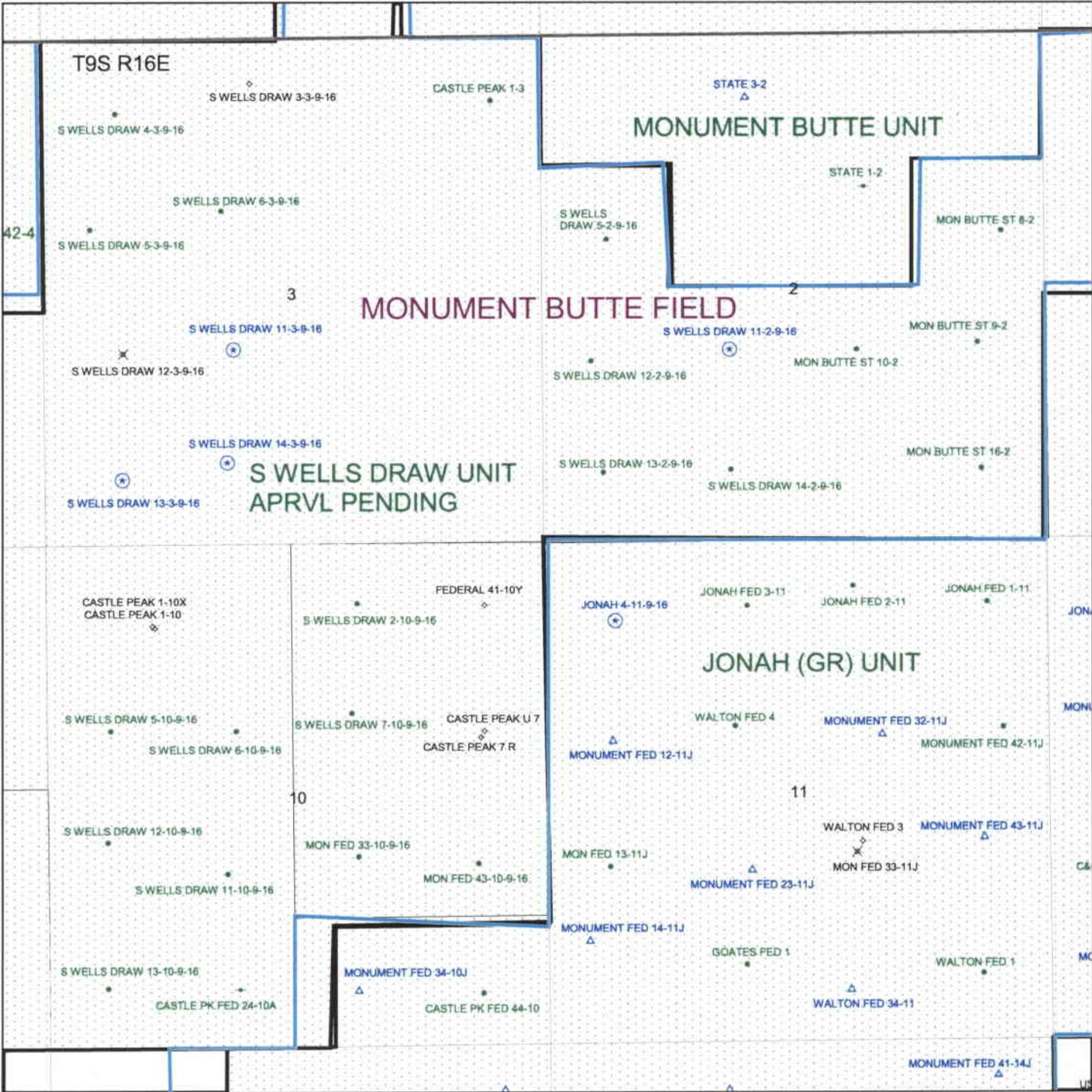
- R649-2-3. Unit JONAH
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 228-2 \*Unit E. Enh. Rec.  
Eff Date: 7-16-93  
Siting: \* Per Unit Agreement
- R649-3-11. Directional Drill

COMMENTS: Mon. Bu. Hk Field Sol, separate file.

STIPULATIONS: ⊙ FEDERAL APPROVAL



OPERATOR: INLAND PROD CO (N5160)  
 SEC. 11, T9S, R16E  
 FIELD: MONUMENT BUTTE (105)  
 COUNTY: DUCHESNE UNIT: JONAH  
 CAUSE: 228-2





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

June 28, 2001

Inland Production Company  
Route 3 Box 3630  
Myton, UT 84052

Re: Jonah 4-11-9-16 Well, 864' FNL, 711' FWL, NW NW, Sec. 11, 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 43-013-32279.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

er

Enclosures

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

Operator: Inland Production Company  
Well Name & Number Jonah 4-11-9-16  
API Number: 43-013-32279  
Lease: U 096550

Location: NW NW Sec. 11 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.



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Jonah 4-11-9-16

API Number: 43-013-32279

Lease Number: U - 096550

Location: NWNW Sec. 11 T. 9S R. 16E

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

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 1,655$  ft.

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

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

shadscale	Atriplex confertifolia	3 lbs/acre
black sage brush	Artemesia nova	3 lbs/acre
Indian rice grass	Oryzopsis hymenoides	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-096550**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH UNIT**

8. Well Name and No.

**JONAH 4-11-9-16**

9. API Well No.

**43-013-32279**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

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

**864 FNL 711 FWL NW/NW Section 11, T9S R16E**

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

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

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

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

Inland Production Company requests to extend the permit to drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 06-11-02  
By: [Signature]

**RECEIVED**

JUN 06 2002

DIVISION OF  
OIL, GAS AND MINING

COPY SENT TO OPERATOR  
DATE: 6-13-02  
BY: CHD

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

Signed [Signature] Title Permit Clerk Date 6/4/2002  
**Mandie Crozier**

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**U-096550**

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

7. If Unit or CA, Agreement Designation  
**JONAH UNIT**

8. Well Name and No.  
**JONAH 4-11-9-16**

9. API Well No.  
**43-013-32279**

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

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

SUBMIT IN TRIPLICATE RECEIVED

SEP 25 2002

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**864 FNL 711 FWL NW/NW Section 11, T9S R16E**

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

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

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

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

Inland Production Company requests to extend the permit to drill this well for one year.

RECEIVED

SEP 23 2002

DIVISION OF OIL & GAS ADMINISTRATION

CONDITIONS OF APPROVAL ATTACHED

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

Signed Mandie Crozier Title Permit Clerk Date 9/23/02  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by Paul Fulwider Title Petroleum Engineer Date 10/16/02

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

U DOGM

Inland Production Company  
APD Extension

Well: Jonah 4-11-9-16

Location: NWNW Sec. 11, T9S, R16E

Lease: UTU 96550

**CONDITIONS OF APPROVAL**

An extension for the referenced APD is granted with the following conditions:

---

1. The extension will expire 10/01/03
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood of this office at (435) 781-4486

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: INLAND PRODUCTION COMPANY

Well Name: JONAH 4-11-9-16

Api No: 43-013-32279 Lease Type: FEDERAL

Section 11 Township 09S Range 16E County DUCHESNE

Drilling Contractor STUBBS RIG# 111

**SPUDED:**

Date 01/02/03

Time 6:00 PM

How DRY

**Drilling will commence:** Monday, 1/6/03

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 01/03/2003 Signed: CHD

JAN 0 9 2003

OPERATOR INLAND PRODUCTION COMPANY  
 ADDRESS RT. 3 BOX 3633  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

RECEIVED

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

P. 02

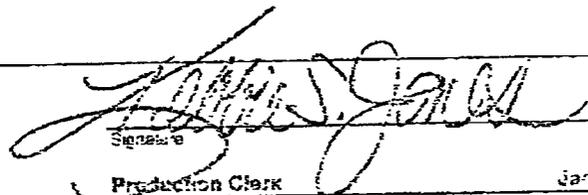
FAX NO. 435 646 3031

INLAND PRODUCTION CO

JAN-06-03 MON 10:31 AM

ACTION CODE	CURRENT ENTRY NO	NEW ENTRY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					CG	SC	TP	RG	COUNTY		
A	99999	11402	43-013-32279	JONAH 4-11-9-16	NW1/4	11	9S	16E	Duchesne	January 2, 2003	1-8-03 <del>01/08/03</del>
WELL 1 COMMENTS											
WELL 2 COMMENTS											
WELL 3 COMMENTS											
WELL 4 COMMENTS											
WELL 5 COMMENTS											

- ACTION CODES (See instructions on back of form)
- A - Establish new entry for new well/gas well/entry
  - B - Update well to existing entry (change of location)
  - C - Reassign well from one existing entry to another existing entry
  - D - Reassign well from one existing entry to a new entry
  - E - Close (stop) an entry (delete entry)

  
 Signature  
 Kippie S. Jones  
 Production Clerk  
 January 6, 2003  
 Date

NOTE: Use COMPANYAL section to print the well name from 2003 to 2005  
 (200)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
# U-096550

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
# Jonah

8. Well Name and No.  
# 4-11-9-16

9. API Well No.  
# 43-013-32279

10. Field and Pool, or Exploratory Area  
# Monument Butte

11. County or Parish, State  
# Duchesne, Utah.

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**711' FWL & 864' FNL NW/NW Sec. 11, T9S, R16E**

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

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

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

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

On 1-2-03. MIRU Stubbs # 111. Drill 305' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @ 304.88'/KB On 1-03-03 cement with 160 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 11 bbls cement returned to surface. WOC.

**RECEIVED**

JAN 08 2003

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

Signed Pat Wisener Title Drilling Foreman Date 01/05/2003

(This space for Federal or State office use)

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

Conditions of approval, if any:

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 304.88

LAST CASING 8 5/8" SET AT 304.88'  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 305 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Jonah Federal 4-11-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Stubbs # 111

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		36.71' sh jt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	293.03
		<b>GUIDE</b> shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	294.88
TOTAL LENGTH OF STRING	294.88	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>304.88</b>
<b>TOTAL</b>	293.03	7		

TOTAL CSG. DEL. (W/O THRDS)	293.03	7	} COMPARE
TIMING	1ST STAGE		
BEGIN RUN CSG.	SPUD	01/02/2003	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE		6:00pm	Bbls CMT CIRC TO SURFACE <u>11</u>
BEGIN CIRC			RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE
BEGIN PUMP CMT			DID BACK PRES. VALVE HOLD ? <u>N/A</u>
BEGIN DSPL. CMT			BUMPED PLUG TO _____ 200 _____ PSI
PLUG DOWN	<b>Cemented</b>	<b>01/03/2003</b>	

CEMENT USED	CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX
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	
<b>RECEIVED</b>	
JAN 3 8 2003	

DIV. OF OIL, GAS & MINING

COMPANY REPRESENTATIVE Pat Wisener DATE 01/03/2003

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

# U-096550

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

# Jonah

8. Well Name and No.

# 4-11-9-16

9. API Well No.

# 43-013-32279

10. Field and Pool, or Exploratory Area

# Monument Butte

11. County or Parish, State

# Duchesne, Utah.

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

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

**711' FWL & 864' ENL NW/NW Sec. 11, T9S, R16E**

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

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

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

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

On 1-6-03. MIRU Eagle # 1. Test Kelly, TIW, Bop's to 2,000 psi. Test 85/8" csgn to 1,500 psi. BLM Vernal office was notified of test. PU BHA & tag cement @ 258'. Drill out cement and shoe. Drill 77/8" hole with fresh water to a depth of 4800'

**RECEIVED**  
**JAN 15 2003**  
DIV. OF OIL, GAS & MINING

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

Signed

Pat Wisener  
Pat Wisener

Title

Drilling Foreman

Date

01/13/2003

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-096550**

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

7. If Unit or CA, Agreement Designation  
**JONAH**

8. Well Name and No.  
**# 4-11-9-16**

9. API Well No.  
**43-013-32279**

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**Duchesne Utah**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**711' FWL & 864' FNL    NW/NW Sec 11. TWN 9S. R16E**

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TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Weekly Status Report</b>
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Weekly Status report for the period of 1-13-03- thru 1-19-03.

Con't to drill 77/8" hole with fresh water to a depth of 6012'. Lay down drill string. Open hole log. PU & MU Guide shoe, 1 jt 5 1/2" csg, Float collar & 134 jt's J-55 15.5 # 5 1/2" csgn. Set @ 6014'/KB. Cement with 400\* sks. 50/50 POZ w/ 3% KCL, 1/4#sk Cello-Flake, 2% Gel, .3%SMS, .05#sk Static free, Mixed @ 14.4PPG > 1.24 YLD. Then 300\* sks Prem Litell w/ 3% KCL, 3#/sk Kolseal, 8% Gel, .5SMS, 3#sk CSE, mixed @ 11.0PPG > 3.43. Good returns thru job with 10 bbls of cement returned to pit. Set slips with 78,000# tension. Nipple down BOP's. Release rig @ 1:00am on 1-15-03

**RECEIVED**  
**JAN 30 2003**  
DIV. OF OIL, GAS & MINING

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

Signed Pat Wisener Title Drilling Foreman Date 01/20/2003  
Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6014.67

Flt clr @ 5988'

LAST CASING 8 5/8" SET AT 304.88'

OPERATOR Inland Production Company

DATUM 12' KB

WELL Jonah Federal 4-11-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # Eagle # 1

TD DRILLER 6002' LOGGER 6070'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6' @ 4000'					
134	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5976.42
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	25
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		6016.67
TOTAL LENGTH OF STRING			6016.67	135	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT					CASING SET DEPTH		<b>6014.67</b>
TOTAL			<b>6001.42</b>	135	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			6001.42	135			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			3:30pm	6:30pm	GOOD CIRC THRU JOB <u>YES</u>		
CSG. IN HOLE			6:30pm		Bbls CMT CIRC TO SURFACE <u>10 bbls of cement</u>		
BEGIN CIRC			6:45pm	7:30pm	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>		
BEGIN PUMP CMT			7:34pm	8:30pm	DID BACK PRES. VALVE HOLD ? <u>Yes</u>		
BEGIN DSPL. CMT			9:00pm		BUMPED PLUG TO <u>2100</u> PSI		
PLUG DOWN			<b>9:30pm</b>				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	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	400	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 Pat Wisener

DATE 01/15/2003



December 16, 2003

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels  
Re: Completion reports

Dear Ms. Carol Daniels

Enclosed are the preliminary completion reports for the wells spud more than 4 months ago, but not reported as completed.

Inland Resources intends to drill and complete most of the wells on this list in the year 2004. At that time, I will be sending to you the final completion reports for these wells.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Harris", is written over a light blue horizontal line.

Brian Harris  
Engineering Tech

RECEIVED  
DEC 22 2003  
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-096550**

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

7. UNIT AGREEMENT NAME  
**Jonah Unit**

8. FARM OR LEASE NAME, WELL NO.  
**Jonah 4-11-9-16**

9. WELL NO.  
**43-013-32279**

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

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

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**UT**

19. ELEV. CASINGHEAD  
**5563' KB**

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

1a. TYPE OF WORK

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

1b. TYPE OF WELL

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

2. NAME OF OPERATOR

**INLAND RESOURCES INC.**

3. ADDRESS AND TELEPHONE NO.

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

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

At Surface **864' FNL & 711' FWL (NW NW) Sec. 11, T9S, R16E**

At top prod. Interval reported below

At total depth

14. API NO.  
**43-013-32279**

DATE ISSUED

15. DATE SPUDDED  
**1/2/2003**

16. DATE T.D. REACHED  
**1/14/03**

17. DATE COMPL. (Ready to prod.)  
**1-15-03**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**5551' GL**

**5563' KB**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**6014  
6002**

21. PLUG BACK T.D., MD & TVD

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**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper - Rec 1-21-03**

27. WAS WELL CORED  
**No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	304'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6014'	7-7/8"	300 sx Premlite II and 400 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 @	TA @

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in) <b>T/W/O Completion</b>
DATE OF TEST <b>10 day ave</b>	HOURS TESTED	CHOKE SIZE
PROD'N. FOR TEST PERIOD ----->	OIL--BBL.	GAS--MCF.
WATER--BBL.	GAS-OIL RATIO <b>#VALUE!</b>	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->
OIL-BBL.	GAS--MCF.	WATER--BBL.
OIL GRAVITY-API (CORR.)	<b>RECEIVED</b>	

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

**Sold & Used for Fuel**

**DEC 22 2003**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

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

SIGNED Brian Harris

TITLE **Engineering Technician**

DATE **12/12/03**

BDH

\*(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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS			
				NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			Well Name Jonah 4-11-9-16	Garden Gulch Mkr	3668'		
				Garden Gulch 1	3876'		
				Garden Gulch 2	3990'		
				Point 3 Mkr	4249'		
				X Mkr	4516'		
				Y-Mkr	4552'		
				Douglas Creek Mkr	4673'		
				BiCarbonate Mkr	4915'		
				B Limestone Mkr	5038'		
				Castle Peak	5527'		
			Basal Carbonate				
			Total Depth (LOGGERS)	6002'			

**Wells Spudded More than 4 Months Ago But Not Yet Reported As Completed**

Well Name	Twp-Rng-Sec	API Number	Spud Date
S WELLS DRAW 13-3-9-16	09S 16E 03	4301332106	9/22/2000
LONE TREE 10-16-9-17	09S 17E 16	4301332087	2/5/2001
LONE TREE 15-16-9-17	09S 17E 16	4301332089	2/7/2001
LONE TREE 16-16-9-17	09S 17E 16	4301332150	2/13/2001
ODEKIRK SPRINGS 15-35-8-17	08S 17E 35	4304733550	4/11/2001
GBU 1-34-8-17	08S 17E 34	4301332252	8/12/2001
GBU 7-34-8-17	08S 17E 34	4301332257	8/30/2001
ASHLEY 2-11-9-15	09S 15E 11	4301332214	10/24/2001
S WELLS DRAW 14-3-9-16	09S 16E 03	4301332139	2/18/2002
S WELLS DRAW 11-3-9-16	09S 16E 03	4301332138	2/19/2002
ASHLEY 7-11-9-15	09S 15E 11	4301332215	7/8/2002
JONAH 4-11-9-16	09S 16E 11	4301332279	1/2/2003
GBU 10-26-8-17	08S 17E 26	4304734309	1/29/2003
GBU 2-26-8-17	08S 17E 26	4304734163	4/29/2003
JONAH 7-14-9-16	09S 16E 14	4301332338	5/12/2003
JONAH 6-14-9-16	09S 16E 14	4301332337	6/9/2003
JONAH 5-14-9-16	09S 16E 14	4301332336	6/11/2003
LONE TREE U 8-16-9-17	09S 17E 16	4301332311	7/15/2003
HUMPBACK FED 9-24-8-17	08S 17E 24	4304734881	7/21/2003
LONE TREE U 7-16-9-17	09S 17E 16	4301332310	7/25/2003

RECEIVED  
 DEC 22 2003  
 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.

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Inland 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)  
711 FWL 864 FNL  
NW/NW Section 11 T9S R16E

5. Lease Serial No.  
UTU72086A

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 4-11-9-16

9. API Well No.  
430133279

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

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 is 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 is to be completed in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 1/21/04 - 1/29/04 Subject well had completion procedures initiated in the Green River formation on 1/21/04 without the use of a service rig over the well. A cement bond log was run and a total of six Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perforation intervals were #1 (5758-5766') (4 JSPF); #2 (5342-5350') (4 JSPF); #3 (5175-5180') (4 JSPF); #4 (4949-4954') (4 JSPF); #5 NOT FRACED (4873-4878') (4 JSPF) (re-perfed 4872.5-4878.5) (4 JSPF); #6 (4716-4722') (2 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 1/26/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 5988'. Zones were swab tested for sand cleanup. A BHA & production tubing string were run in and anchored in well. End of tubing string @ 5833.35'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 1/29/04.

FEB 02 2004

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Martha Hall	Office Manager
Signature <i>Martha Hall</i>	Date 1/30/2004

**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 which would entitle the applicant to conduct operations thereon.	Office	
certify that the applicant holds legal or equitable title to those rights in the subject lease		

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)

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

<p>1. Type of Well</p> <table style="width:100%;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/> Oil Well</td> <td style="text-align: center;"><input type="checkbox"/> Gas Well</td> <td style="text-align: center;"><input type="checkbox"/> Other</td> </tr> </table> <p>2. Name of Operator <b>INLAND PRODUCTION COMPANY</b></p> <p>3. Address and Telephone No. <b>Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721</b></p> <p>4. Location of Well (Footage, Sec., T., R., m., or Survey Description) <b>864 FNL 711 FWL NW/NW Section 11, T9S R16E</b></p>	<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other	<p>5. Lease Designation and Serial No. <b>U-096550</b></p> <p>6. If Indian, Allottee or Tribe Name <b>NA</b></p> <p>7. If Unit or CA, Agreement Designation <b>JONAH</b></p> <p>8. Well Name and No. <b>JONAH 4-11-9-16</b></p> <p>9. API Well No. <b>43-013-32279</b></p> <p>10. Field and Pool, or Exploratory Area <b>MONUMENT BUTTE</b></p> <p>11. County or Parish, State <b>DUCHESNE COUNTY, UT</b></p>
<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other		

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<p><input checked="" type="checkbox"/> Notice of Intent</p> <p><input type="checkbox"/> Subsequent Report</p> <p><input type="checkbox"/> Final Abandonment Notice</p>	<table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p><input type="checkbox"/> Abandonment</p> <p><input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Plugging Back</p> <p><input type="checkbox"/> Casing Repair</p> <p><input type="checkbox"/> Altering Casing</p> <p><input type="checkbox"/> Other _____</p> </td> <td style="width:50%; vertical-align: top;"> <p><input type="checkbox"/> Change of Plans</p> <p><input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Non-Routine Fracturing</p> <p><input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Conversion to Injection</p> <p><input checked="" type="checkbox"/> Dispose Water</p> </td> </tr> </table> <p style="font-size: small;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>	<p><input type="checkbox"/> Abandonment</p> <p><input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Plugging Back</p> <p><input type="checkbox"/> Casing Repair</p> <p><input type="checkbox"/> Altering Casing</p> <p><input type="checkbox"/> Other _____</p>	<p><input type="checkbox"/> Change of Plans</p> <p><input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Non-Routine Fracturing</p> <p><input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Conversion to Injection</p> <p><input checked="" type="checkbox"/> Dispose Water</p>
<p><input type="checkbox"/> Abandonment</p> <p><input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Plugging Back</p> <p><input type="checkbox"/> Casing Repair</p> <p><input type="checkbox"/> Altering Casing</p> <p><input type="checkbox"/> Other _____</p>	<p><input type="checkbox"/> Change of Plans</p> <p><input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Non-Routine Fracturing</p> <p><input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Conversion to Injection</p> <p><input checked="" type="checkbox"/> Dispose Water</p>		

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

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 Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R16E) or at State of Utah approved surface disposal facilities.

**RECEIVED**  
**FEB 13 2004**

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

DIV. OF OIL, GAS & MINING

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

Signed	<i>Mandie Crozier</i>	Title	Regulatory Specialist	Date	2/11/2004
	Mandie Crozier				

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

# Inland Resources Inc.

---

March 3, 2004

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

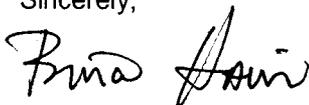
Jonah 4-11-9-16 (43-013-32279)  
Ashley 6-11-9-15 (43-013-32297)  
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Matt Richmond/Roosevelt

MAR 04 2004

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Alamo Plaza Building  
1401 Seventeenth Street, Suite 1000  
Denver, CO 80202  
303-893-0102 • Fax: 303-893-0103

(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

**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-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME, WELL NO.

Jonah 4-11-9-16

2. NAME OF OPERATOR

INLAND RESOURCES INC.

9. WELL NO.

43-013-32279

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface 864' FNL & 711' FWL (NW NW) Sec. 11, T9S, R16E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 11, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32279 DATE ISSUED

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UT

15. DATE SPUNDED  
1/2/2003

16. DATE T.D. REACHED  
1/14/03

17. DATE COMPL. (Ready to prod.)  
1/29/2004

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5551' GL 5563' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
6002'

21. PLUG BACK T.D., MD & TVD  
5988'

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 4716'-5766'

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

✓ Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, *Rec 1-21-03* *Rec 1-23-04*

27. WAS WELL CORED  
No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	304'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6014'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5833'	TA @ 5730'

31. PERFORATION RECORD (Interval, size and number)

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5758-5766'	.40	4/32	5758-5766'	Frac w/ 30,019# 20/40 sand in 331 bbls fluid.
(LODC) 5342-5350'	.40	4/32	5342-5350'	Frac w/ 39,662# 20/40 sand in 377 bbls fluid.
(B1,A3) 4949-54', 5175-80'	.40	4/40	4949-5180'	Frac w/ 25,264# 20/40 sand in 278 bbls fluid.
(C-sd) 4873-4878'	.40	4/44	4873-4878'	Left zone un-frac'ed
(D1) 4716-4722'	.40	4/24	4716-4722'	Frac w/ 29,035# 20/40 sand in 299 bbls fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION 1/29/2004		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in) W/O Completion <i>P</i>	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 56	GAS--MCF. 78	WATER--BBL. 5	GAS-OIL RATIO 1393
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

**RECEIVED  
MAR 04 2004**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED *Brian Harris*

TITLE Engineering Technician

DATE 3/2/2004

Brian Harris

BDH

\*(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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TRUE VERT. DEPTH
			Well Name Jonah 4-11-9-16		
				Garden Gulch Mkr	3668'
				Garden Gulch 1	3876'
				Garden Gulch 2	3990'
				Point 3 Mkr	4249'
				X Mkr	4516'
				Y-Mkr	4552'
				Douglas Creek Mkr	4673'
				BiCarbonate Mkr	4915'
				B Limestone Mkr	5038'
				Castle Peak	5527'
				Basal Carbonate	
				Total Depth (LOGGERS)	6002'



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

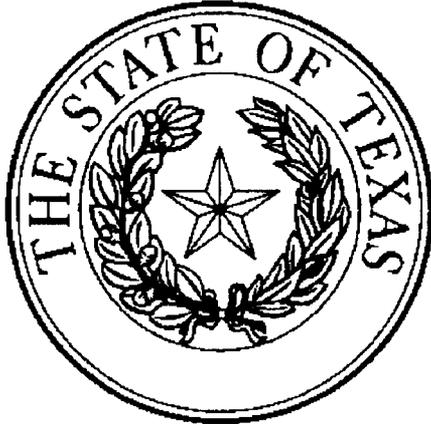
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

**OPERATOR CHANGE WORKSHEET**

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

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**CA No. Unit: JONAH (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	A
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	OW	P
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	A
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	OW	P
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	OW	P
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	OW	P
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	OW	P
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	OW	P
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD
JONAH 8-7	07	090S	170E	4301331989	11492	Federal	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



March 11, 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 #4-11-9-16  
Monument Butte Field, Lease #U-096550  
Section 11-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #4-11-9-16 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". The signature is written in a cursive style and is positioned above the typed name and title.

Eric Sundberg  
Regulatory Analyst

**RECEIVED**  
**MAR 22 2010**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH FEDERAL #4-11-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #U-096550**  
**March 11, 2010**

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ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – JONAH FEDERAL #4-11-9-16
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ATTACHMENT E-4	WELLBORE DIAGRAM – SOUTH WELLS DRAW FEDERAL #16-3-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – JONAH FEDERAL #3-11-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – JONAH FEDERAL #2-11-9-16
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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Jonah Federal #4-11-9-16

Spud Date: 1/2/03  
 Put on Production: 1/29/04  
 GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
 78 MCFD, 5 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.88')  
 DEPTH LANDED: 304.88'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

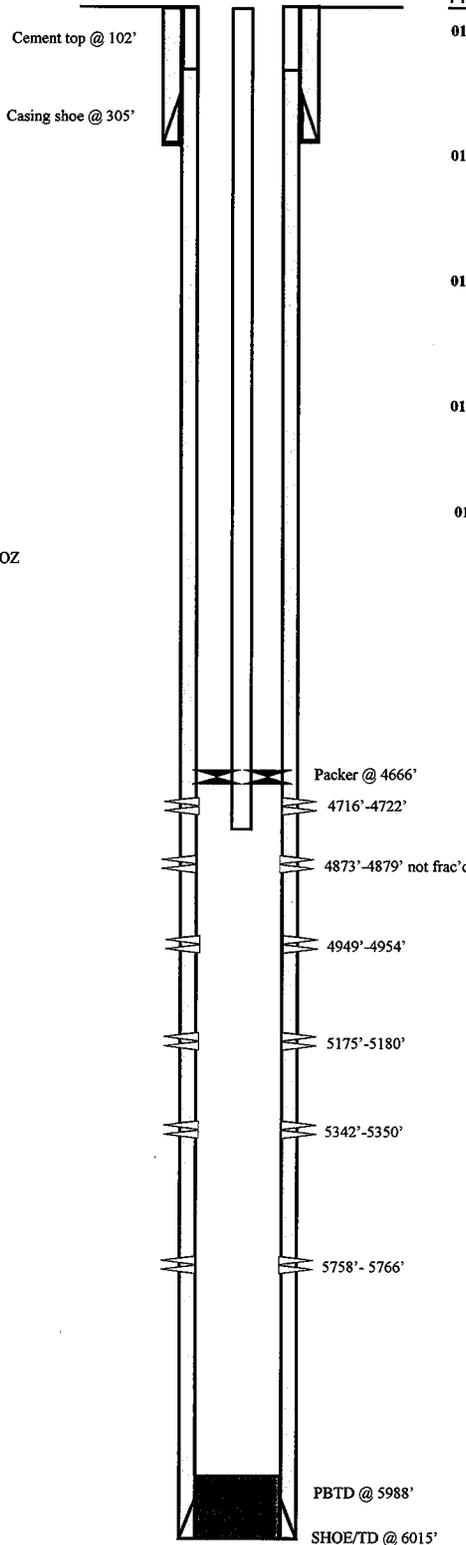
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (6016.67')  
 DEPTH LANDED: 6014.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ  
 CEMENT TOP AT: 102'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5718.05')  
 TUBING ANCHOR: 5730.05' KB  
 NO. OF JOINTS: 1 jt (33.00')  
 SN LANDED AT: 5765.85' KB  
 NO. OF JOINTS: 2 jts (65.95')  
 TOTAL STRING LENGTH: 5833.35' W/12' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

- 01/22/04 5758'-5766' **Frac CP1 sands as follows:**  
 30,019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765psi w/avg rate of 24.8 BPM. ISIP-2000. Calc. flush: 5756 gals. Actual flush: 5250 gals.
- 01/22/04 5342'-5350' **Frac LODC sands as follows:**  
 39,662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.
- 01/22/04 5175'-5180' **Frac A3 sands as follows:**  
 24,875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4830 gals.
- 01/23/04 4949'-4954' **Frac B1 sands as follows:**  
 25,264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.
- 01/23/04 4716'-4722' **Frac D1 sands as follows:**  
 29,035# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.

## PERFORATION RECORD

Date	Interval	Tool	Holes
01/21/04	5758'-5766'	4 JSPF	32 holes
01/22/04	5342'-5350'	4 JSPF	32 holes
01/22/04	5175'-5180'	4 JSPF	20 holes
01/22/04	4949'-4954'	4 JSPF	20 holes
01/23/04	4873'-4879'	4 JSPF	20 holes
01/23/04	4872.5'-4878.5'	4 JSPF	24 holes
01/23/04	4716'-4722'	4 JSPF	24 holes

**NEWFIELD**

Jonah Federal #4-11-9-16  
 864 FNL & 711 FWL  
 NWNW Section 11-T9S-R16E  
 Duchesne County, Utah  
 API #43-013-32279; Lease #U-096550

## 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 #4-11-9-16 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 #4-11-9-16 well, the proposed injection zone is from Garden Gulch to TD (3988' - 6015'). 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 3668' and the TD is at 6015'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jonah Federal #4-11-9-16 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 #U-096550) 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 305' KB, and 5-1/2", 15.5# casing run from surface to 6015' 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 1963 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 #4-11-9-16, for existing perforations (4716' - 5766') calculates at 0.78 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 1963 psig. We may add additional perforations between 3668' and 6015'. 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 #4-11-9-16, the proposed injection zone (3988' - 6015') is in the Garden Gulch to 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-11.

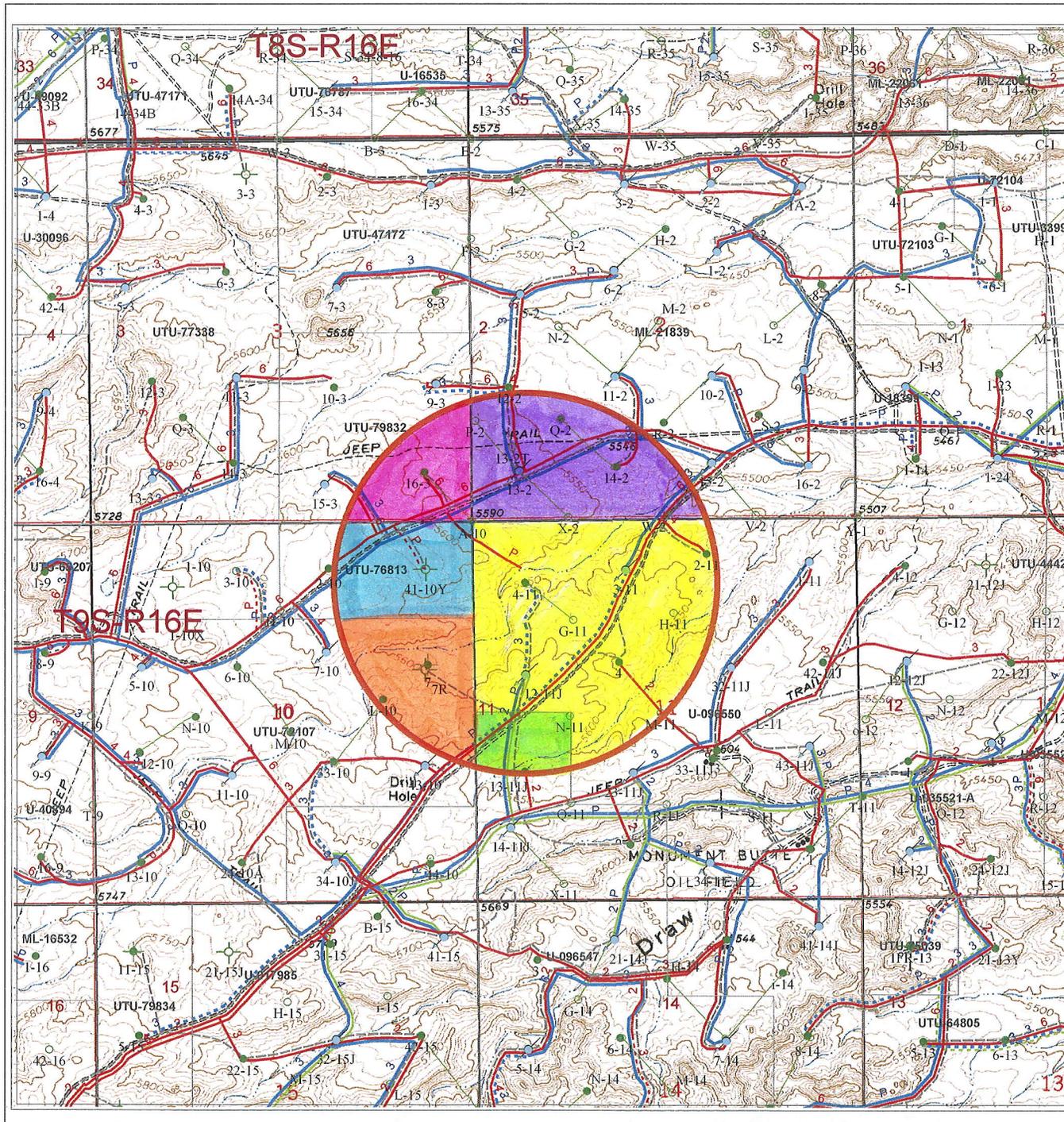
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



- 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
  - ⊕ 4-11-9-16 1/2 mile radius

U-090550  
 ML-21839  
 UTU-79832  
 UTU-74813  
 UTU-72107  
 U-090547

# Attachment A

Jonah 4-11-9-16  
Section 4, 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) 693-0102

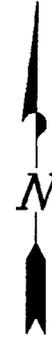
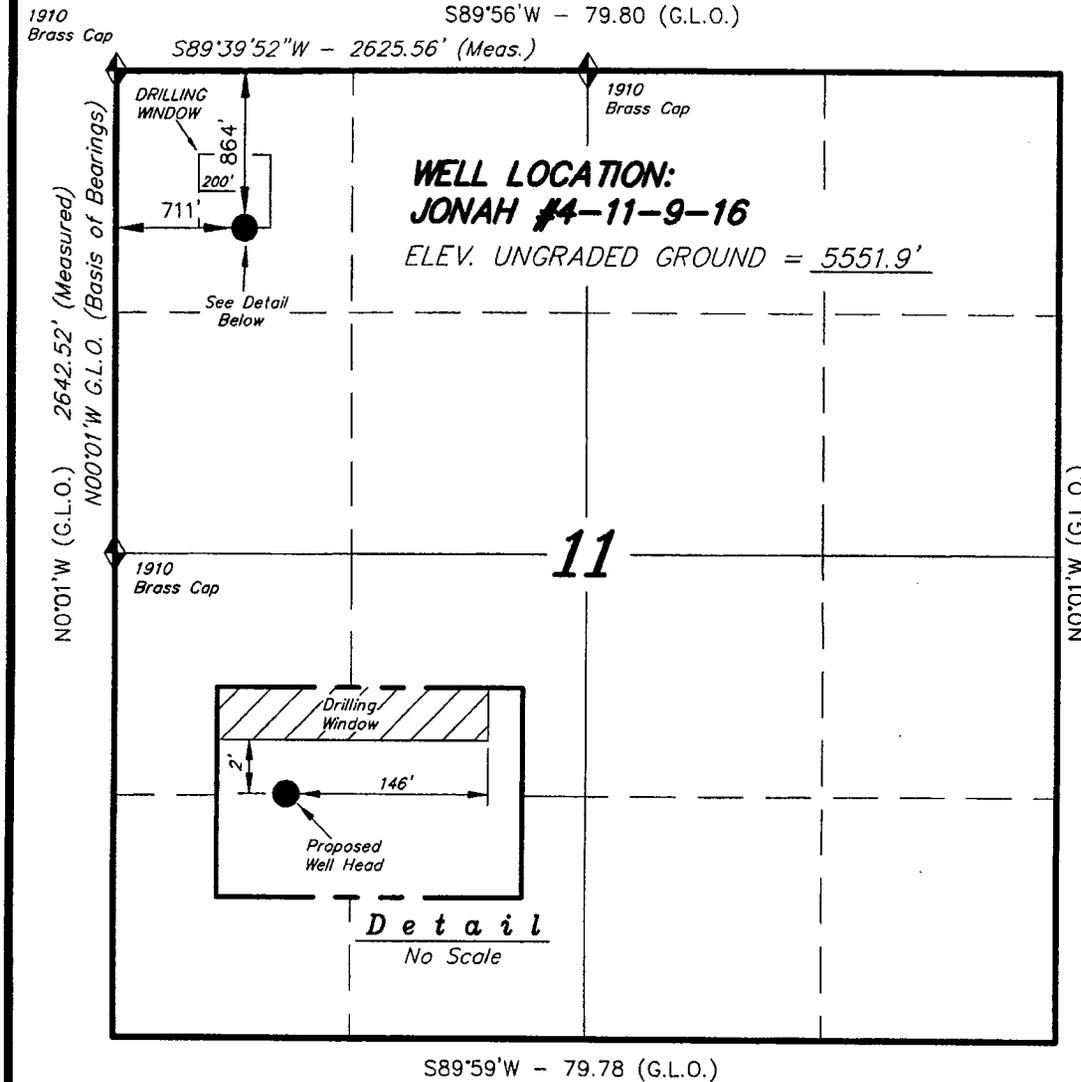
December 21, 2009

Attachment A-1

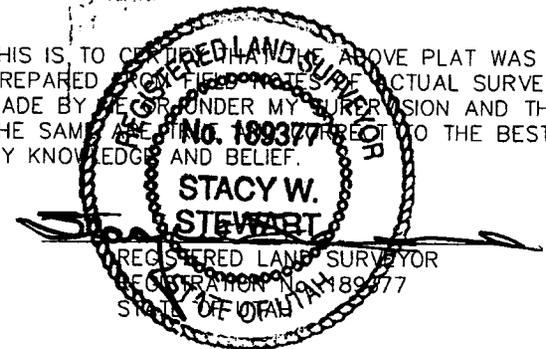
**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH #4-11-9-16,  
 LOCATED AS SHOWN IN THE NW 1/4 NW  
 1/4 OF SECTION 11, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

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

**TRI STATE LAND SURVEYING & CONSULTING**  
 38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 5-14-01	WEATHER: WARM
NOTES:	FILE #

EXHIBIT B

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	UTU- 096550 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
2.	<u>Township 9 South, Range 16 East</u> Section 2: Lots 1-4, S2N2, S2	ML-21839 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Bros LLC Davis Resources 110 West 7 <sup>th</sup> St. Suite 1000 Tulsa, OK 74119 AGK Energy LLC. 624 Wellesley Houston, TX 77024 Raymond H. Brennan 104 Lee Lane Bellville, TX 77418 Marian Brennan 104 Lee Lane Bellville, TX 77418 Deer Valley Ltd. 800 Bering Drive #305 Houston TX 77057 International Drilling Inc 7710-T Cherry Park PMB 503 Houston, TX 77095	(Surface Rights) STATE

## EXHIBIT B

Page 2

of 3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Thomas I Jackson 7710-T Cherry Park PMB 503 Houston, TX 77095 Beverly Sommer 1025 Crescent Drive Beverly Hills, CA 90210 Texas General Offshore 7710-T Cherry Park PMB 503 Houston, TX 77095 Jasper Warren 17350 State Highway 249 Suite 140 Houston, TX 77064-1140	
3.	<u>Township 9 South, Range 16 East</u> Section 3: SE Section 4: SESW	UTU-79832 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Yates Petroleum Corporation 105 South 4 <sup>th</sup> Street Artesia, NM 88210	(Surface Rights) USA
4.	<u>Township 9 South, Range 16 East</u> Section 10: N2NE	UTU-76813 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Yates Petroleum Corporation Yates Drilling Company Myco Industries Inc ABO Petroleum Corporation 105 S. Fourth St. Artesia, NM 88210	
5.	<u>Township 9 South, Range 16 East</u> Section 10: S2N2, N2S2, S2SW	UTU-72107 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
6.	<u>Township 9 South, Range 16 East</u> Section 11: W2SW, SESW Section 14: SWNE, SESE, W2SE, W2	U- 096547 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #4-11-9-16

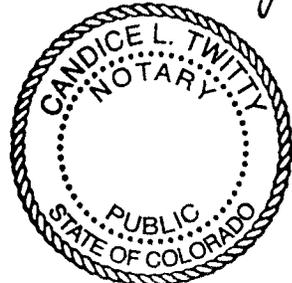
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 12<sup>th</sup> day of March, 2010.

Notary Public in and for the State of Colorado: 

My Commission Expires: 02/10/2013



## Jonah Federal #4-11-9-16

Spud Date: 1/2/03  
 Put on Production: 1/29/04  
 GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
 78 MCFD, 5 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.88')  
 DEPTH LANDED: 304.88'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts (6016.67')  
 DEPTH LANDED: 6014.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ  
 CEMENT TOP AT: 102'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5718.05')  
 TUBING ANCHOR: 5730.05' KB  
 NO. OF JOINTS: 1 jt (33.00')  
 SN LANDED AT: 5765.85' KB  
 NO. OF JOINTS: 2 jts (65.95')  
 TOTAL STRING LENGTH: 5833.35' W/12' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars, 10-3/4" scraped rods, 114-3/4" plain rods, 100-3/4" scraped rods, 1-4", 1-8" x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC  
 STROKE LENGTH: 75"  
 PUMP SPEED, SPM: 6 SPM

#### FRAC JOB

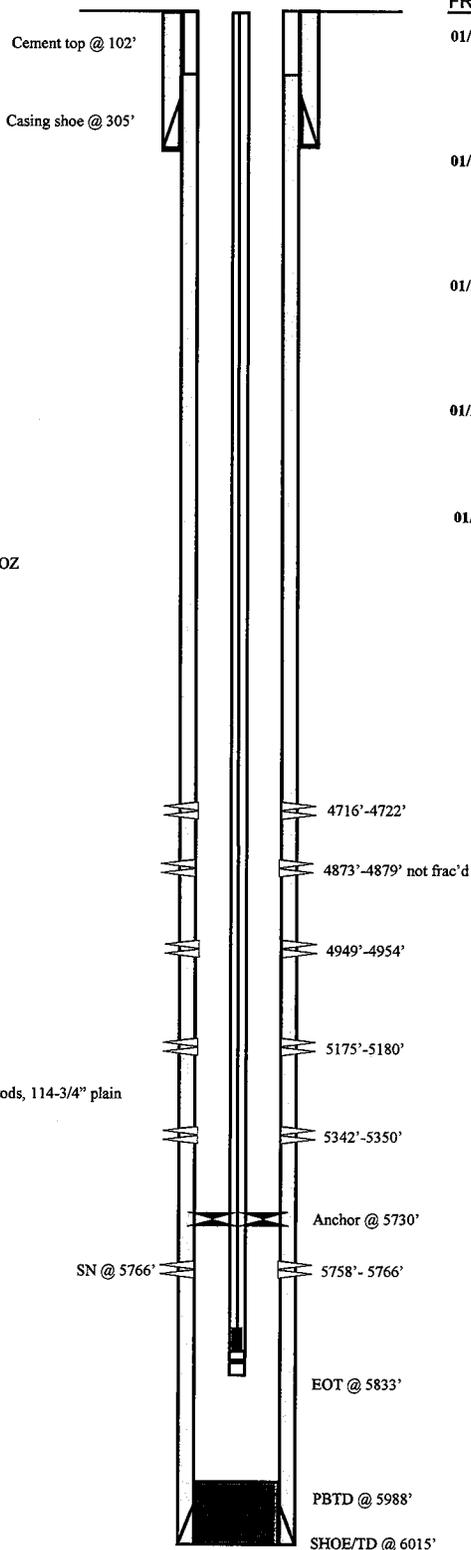
01/22/04 5758'-5766' **Frac CP1 sands as follows:**  
 30,019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765 psi w/avg rate of 24.8 BPM. ISIP-2000. Calc. flush: 5756 gals. Actual flush: 5250 gals.

01/22/04 5342'-5350' **Frac LODC sands as follows:**  
 39,662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.

01/22/04 5175'-5180' **Frac A3 sands as follows:**  
 24,875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4830 gals.

01/23/04 4949'-4954' **Frac B1 sands as follows:**  
 25,264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.

01/23/04 4716'-4722' **Frac D1 sands as follows:**  
 29,055# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.



#### PERFORATION RECORD

Date	Interval	Tool	Holes
01/21/04	5758'-5766'	4 JSPF	32 holes
01/22/04	5342'-5350'	4 JSPF	32 holes
01/22/04	5175'-5180'	4 JSPF	20 holes
01/22/04	4949'-4954'	4 JSPF	20 holes
01/23/04	4873'-4879'	4 JSPF	20 holes
01/23/04	4872.5'-4878.5'	4 JSPF	24 holes
01/23/04	4716'-4722'	4 JSPF	24 holes



Jonah Federal #4-11-9-16  
 864 FNL & 711 FWL  
 NWNW Section 11-T9S-R16E  
 Duchesne County, Utah  
 API #43-013-32279; Lease #U-096550

# State Q-2-9-16

Spud Date: 10/06/06  
 Put on Production: 11/21/06  
 K.B.: 5557, G.L.: 5545

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.22')  
 DEPTH LANDED: 323.07' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 2bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6350.66')  
 DEPTH LANDED: 6363.91' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 20'

### TUBING

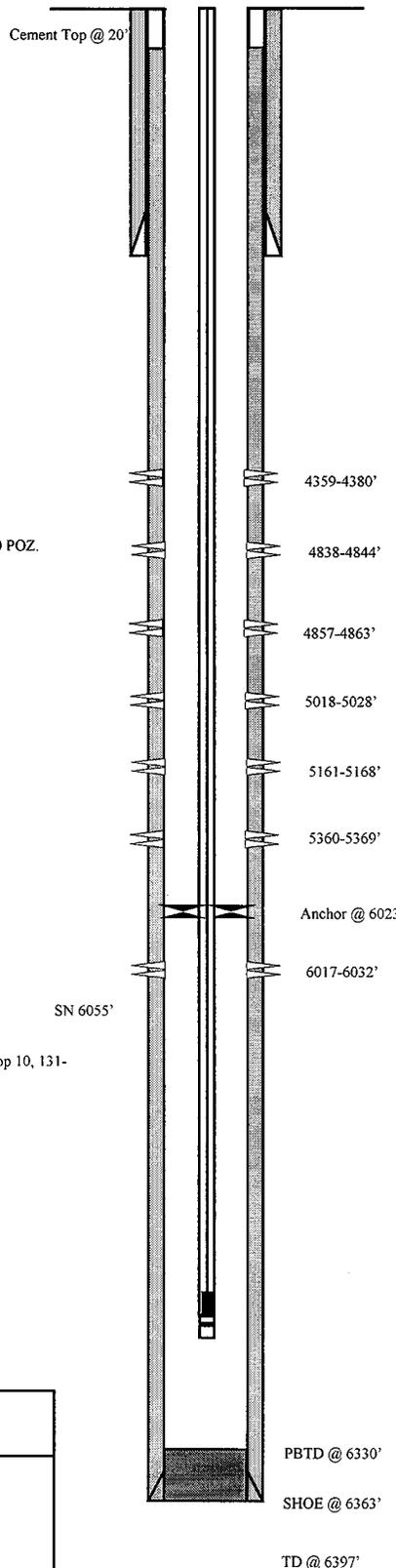
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 194 jts (6011.46')  
 TUBING ANCHOR: 6023.46' KB  
 NO. OF JOINTS: 1 jts (29.62')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6055.88' KB  
 NO. OF JOINTS: 2 jts (61.57')  
 TOTAL STRING LENGTH: EOT @ 6119' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-6" X 7/8" pony rod, 82-7/8" scraped rods top 10, 131-3/4" scraped rods, 24-7/8" scraped rods, 4-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-3/4" x 19 1/2" RHAC  
 STROKE LENGTH: 124"  
 PUMP SPEED, 5 SPM:

### FRAC JOB

11/14/06	6017-6032'	<b>Frac CP5 sands as follows:</b> 82483# 20/40 sand in 632 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 24.9 BPM. ISIP 1930 psi. Calc flush: 6030 gal. Actual flush: 5544 gal.
11/15/06	5360-5369'	<b>Frac A3 sands as follows:</b> 35311# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 1955 psi w/avg rate of 23.5 BPM. ISIP 2000 psi. Calc flush: 5367 gal. Actual flush: 4851 gal.
11/15/06	5161-5168'	<b>Frac B2 sands as follows:</b> 21557# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1968 psi w/avg rate of 25 BPM. ISIP 1931 psi. Calc flush: 5166 gal. Actual flush: 4696 gal.
11/16/06	5018-5028'	<b>Frac C sands as follows:</b> 49955# 20/40 sand in 489 bbls Lightning 17 frac fluid. Treated @ avg press of 1878psi w/avg rate of 24.3 BPM. ISIP 2118 psi. Calc flush: 5026 gal. Actual flush: 4511 gal.
11/16/06	4838-4863'	<b>Frac D1 sands as follows:</b> 24859# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1926 psi w/avg rate of 22 BPM. ISIP 2070psi. Calc flush: 4861 gal. Actual flush: 4326 gal.
11/16/06	4359-4380'	<b>Frac GB6 sands as follows:</b> 157500# 20/40 sand in 975 bbls Lightning 17 frac fluid. Treated @ avg press of 1868 psi w/avg rate of 24.9 BPM. ISIP 2171 psi. Calc flush: 4378 gal. Actual flush: 4355 gal.
5/23/08		updated tubing and rods



### PERFORATION RECORD

Date	Interval	SPF	Holes
11/08/06	6017-6032'	4 JSPF	60 holes
11/15/06	5360-5369'	4 JSPF	36 holes
11/15/06	5161-5168'	4 JSPF	28 holes
11/15/06	5018-5028'	4 JSPF	40 holes
11/16/06	4857-4863'	4 JSPF	24 holes
11/16/06	4838-4844'	4 JSPF	24 holes
11/16/06	4359-4380'	4 JSPF	84 holes

**NEWFIELD**

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**State Q-2-9-16**

729' FSL & 1945' FWL

SE/SW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-33221; Lease #ML: 21839

# South Wells Draw #13-2

Spud Date: 10/13/2000  
 Put on Production: 12/08/2000  
 GL: 5563' KB: 5573'

Initial Production: 74.5 BOPD,  
 67.6 MCFD, 13.3 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (297')  
 DEPTH LANDED: 302'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55 & N-80  
 WEIGHT: 15.5# & 17.0#  
 LENGTH: 144 jts. (5836.06')  
 DEPTH LANDED: 5832'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.

### TUBING

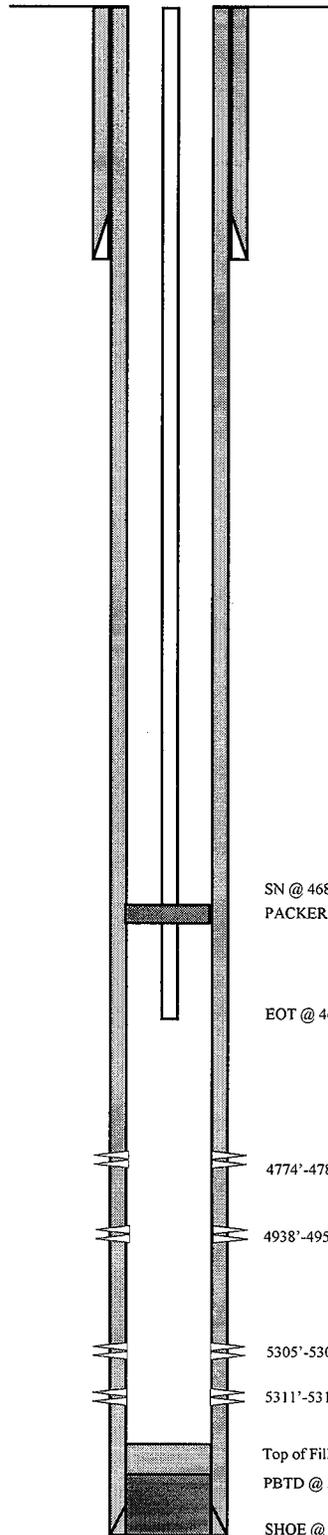
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 146 jts (4676.95')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4686.95'  
 PACKER: 4691.30'  
 TOTAL STRING LENGTH: EOT @ 4695.40'

### FRAC JOB

2/5/00	5305'-5317'	<b>Frac A3 sand as follows:</b> 37,400# 20/40 sand in 350 bbls Viking I-25 fluid. Perfs broke down @ 3224 psi. Treated @ avg press of 2300 psi w/avg rate of 27 BPM. ISIP 2700 psi.
2/5/00	4774'-4780'	<b>Frac D1 sand as follows:</b> Set plug @ 4800'. 24,960# 20/40 sand in 229 bbls Viking I-25 fluid. Perfs broke down @ 1750 psi. Treated @ avg press of 2200 psi w/avg rate of 26 BPM. ISIP 2250 psi, flow back on 12/64 choke @ 1 BPM, flowed 4.5 hrs and died.
2/5/00	4938'-4958'	<b>Frac C sand as follows:</b> Set plug @ 5090'. Unable to break down perfs. Dump 15 gal 15% HCL across perfs. Frac with 75,000# 20/40 sand in 569 bbls Viking I-25 fluid. Perfs broke down @ 3130 psi. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 2420 psi.
11/5/02		Set Packer. Waiting on permission to inject.
11/19/02		Start Injecting
11/5/02		Set Packer: Waiting on permission to inject.
11/19/02		Start Injecting
2-2-07		Tubing Leak: Updated tubing detail.

### PERFORATION RECORD

2/5/00	4774'-4780'	4 JSPF	24 holes
2/5/00	4938'-4958'	4 JSPF	80 holes
2/5/00	5305'-5309'	4 JSPF	16 holes
2/5/00	5311'-5317'	4 JSPF	24 holes



South Wells Draw #13-2-9-16  
 696' FNL & 644' FWL  
 SWNW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32127; Lease #ML-21839

Spud Date: 8/14/94  
 Put on Injection: 8/21/96  
 GL: 5066' KB: 5076'

# Balcron Monument State #14-2-9-17

Initial Production: 81 BOPD,  
 NM MCFPD, 0 BWPD

Injector Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 266.30' (6 jts)  
 DEPTH LANDED: 276.3' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G" + 2% CCI + 1/4#/sk celloflake

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5762.35' (135 jts)  
 DEPTH LANDED: 5771.35' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 370 sx Super Class "G" + (47#G + 20#Ron A + 17# CSE)/sk + 3% salt + 2% gel + 1/4#/sk celloseal, tail w/242 sk 50-50 POZ + 2% gel + 1/4#/sk celloseal + 2#/sk HiSeal 2  
 CEMENT TOP AT: 860' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8"J-55/6.5#  
 NO. OF JOINTS: 128 jts. @ 4011.52'  
 SEATING NIPPLE: 2-7/8" x 1.10'  
 SN LANDED @ 4021.52' KB  
 Arrowset PKR CE @ 4025.87  
 EOT @ 4030.02

**FRAC JOB**

8/31/94 5073'-5080' 5000 gal 2% KCl wtr pad, 28,100# 20/40# sand, 45,940# 16/30 sand, flush w/5040 gal 2% KCl wtr. 3400 Avg Pr, ATR 30 BPM, ISIP 2900, 5 Min 2410, 10 Min 2230, 15 min 2180, 30 Min 2050.

9/6/94 4756'-4781' 4500 gal 2% KCl pad, 24,108 gal 2% KCl w/92,040# 16/30 sand. ATR-29.9 BPM, ATP - 2400. ISIP 2550, 5 Min 1820, 10 Min 1620, 15 Min 1580, 30 Min 1480.

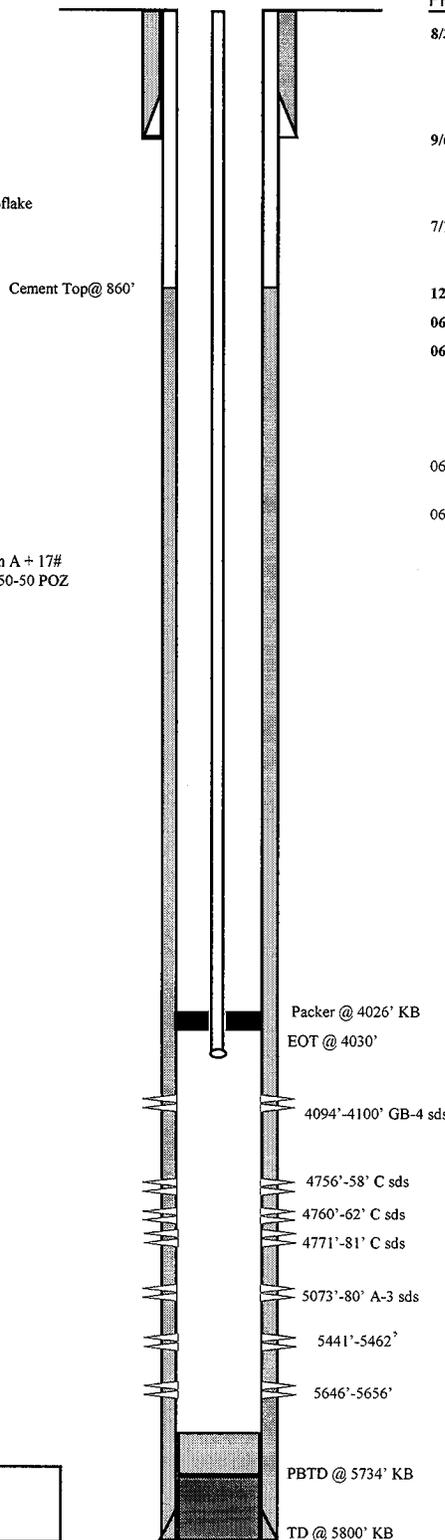
7/17/96 4094'-4100' Frac w/325 STB Gelled KCl wtr & 13,500# 16/30 mesh sand. ATP @ 2500 psig, ATR @ 25 BPM, ISIP @ 2100 psig.

12/21/06 5 Year MIT completed and submitted.

06/05/09 5441'-5656' Perforate CP1 & CP2 sds:  
 06/08/09 5441'-5656' Frac CP1 & CP2 sds as follows:  
 Frac w/ 37088# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ ave psig of 4093 @ ave rate of 16.5 BPM. ISIP was 2227.

06/10/09 Recompleted well added perforations to Green River Formation, update tbg detail.

06/12/09 MIT Completed



**PERFORATION RECORD**

8/29/94	5073'-5080'	4 JSPF (7 ft)	28 holes
9/6/94	4756'-4758'	4 JSPF (2 ft)	8 holes
9/6/94	4760'-4762'	4 JSPF (2 ft)	8 holes
9/6/94	4771'-4781'	4 JSPF (10 ft)	40 holes
7/16/96	4094'-4100'	4 JSPF (6 ft)	24 holes
06/08/09	5441'-5462'	4 JSPF	84 holes
06/08/09	5646'-5656'	4 JSPF	40 holes

**NEWFIELD**

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**BALCRON MONUMENT STATE 14-2-9-17**  
 0513 FSL 0787 FWL  
 SW/SW Section 2, T09S R17E  
 DUCHESNE CO, UTAH  
 API #43-013-31425; LEASE #ML-45555

South Wells Draw Federal 16-3-9-16

Spud Date: 11-22-06  
 Put on Production: 2-19-07  
 GL: 5592' KB: 5604'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.20')  
 DEPTH LANDED: 323.05' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 1.5 bbls cmt to surf.

**PRODUCTION CASING**

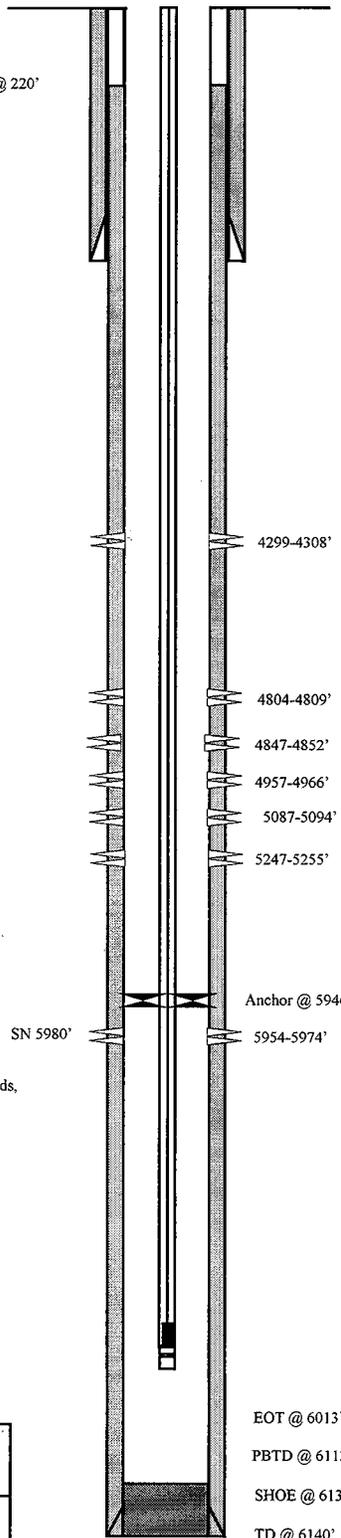
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6121.81')  
 DEPTH LANDED: 6135.06' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 220'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 188 jts (5933.94')  
 TUBING ANCHOR: 5945.94' KB  
 NO. OF JOINTS: 1 jts (31.50')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5980.24' KB  
 NO. OF JOINTS: 1 jts (31.57')  
 TOTAL STRING LENGTH: EOT @ 6013.36' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-8", 1-4" & 1-2" x 3/4" pony rods, 99- 3/4" scraped rods, 123- 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 14" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM



**FRAC JOB**

02-09-07	5954-5974'	<b>Frac CP5 sands as follows:</b> 10061# 20/40 sand in 735 bbls Lightning 17 frac fluid. Treated @ avg press of 1756 psi w/avg rate of 24.8 BPM. ISIP 2030 psi. Calc flush: 5952 gal. Actual flush: 5418 gal.
02-09-07	5247-5255'	<b>Frac A1 sands as follows:</b> 41752# 20/40 sand in 417 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.5 BPM. ISIP 2190 psi. Calc flush: 5245 gal. Actual flush: 4746 gal.
02-12-07	5087-5094'	<b>Frac B2 sands as follows:</b> 14997# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2933 psi w/avg rate of 24 BPM. ISIP 1880 psi. Calc flush: 5085 gal. Actual flush: 4582 gal.
02-12-07	4957-4966'	<b>Frac C sands as follows:</b> 38153# 20/40 sand in 605 bbls Lightning 17 frac fluid. Treated @ avg press of 2783 w/ avg rate of 20 BPM. ISIP 2180 psi. Calc flush: 4955 gal. Actual flush: 4456 gal.
02-13-07	4804-4852'	<b>Frac D1, &amp; D2 sands as follows:</b> 25870# 20/40 sand in 317 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 w/ avg rate of 24.5 BPM. ISIP 2136 psi. Calc flush: 4802 gal. Actual flush: 4284 gal.
02-13-07	4299-4308'	<b>Frac GB6 sands as follows:</b> 39233# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2540 w/ avg rate of 25 BPM. ISIP 1973 psi. Calc flush: 4297 gal. Actual flush: 4200 gal.

**PERFORATION RECORD**

01-29-07	5954-5974'	4 JSPF	80 holes
02-09-07	5247-5255'	4 JSPF	32 holes
02-09-07	5087-5094'	4 JSPF	28 holes
02-12-07	4957-4966'	4 JSPF	36 holes
02-12-07	4847-4852'	4 JSPF	20 holes
02-12-07	4804-4809'	4 JSPF	20 holes
02-13-07	4299-4308'	4 JSPF	36 holes

EOT @ 6013'  
 PBTd @ 6113'  
 SHOE @ 6135'  
 TD @ 6140'

**NEWFIELD**

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**South Wells Draw Federal 16-3-9-16**

689' FSL & 663' FEL

SE/SE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32969; Lease # UTU-79832

# Jonah Federal 3-11-9-16

Spud Date: 9/13/2000  
 Put on Production: 10/31/2000  
 GL: 5573' KB: 5583'

Initial Production: 256 BOPD,  
 160 MCFD, 72 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (30.71")  
 DEPTH LANDED: 310'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class "G" cmt,

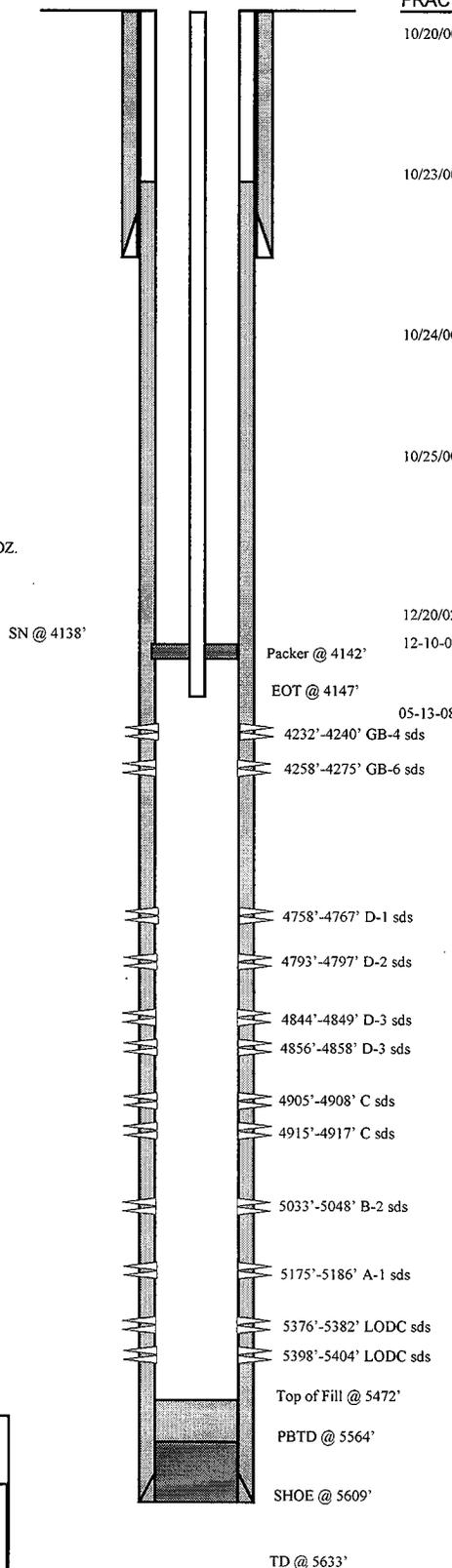
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5612.72")  
 DEPTH LANDED: 5609'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Prem. Lite II mixed & 425 sx 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 133 jts. (4126.95")  
 SEATING NIPPLE: 2-3/8" (1.10")  
 SN LANDED AT: 4138.11'  
 PACKER: Arrow packer set @ 4142.41'  
 TOTAL STRING LENGTH: EOT @ 4146.61'

### Injection Wellbore Diagram



### FRAC JOB

10/20/00 5376'-5404' **Frac LODC sand as follows:**  
 48,104# 20/40 sand in 327 bbls Viking 1-25 fluid. Perfs brk back @ 3277 psi. Treated @ avg press of 3480 psi w/ avg rate of 27 BPM. ISIP - 3700 psi. Flowback @ 1 BPM for 1 hr & died. Rec. 37 BTF. RD BJ. Rig broke down; rep. rig.

10/23/00 5175'-5186' **Frac A1 sand as follows:**  
 2000 gals of Viking 1-25 pad, 55,500 lbs white 20/40 sand in 9599 gals Viking 1-25 fluid. 5082 gals flush. Started flow-back immediately @ 1 BPM. Flowed 106 bbls. Became stuck - recovered fish. Avg press 1750 psi; avg rate 27 BPM. ISIP 2080 psi. Pumped 397 bbls total.

10/24/00 4905'-5048' **Frac B/C sand as follows:**  
 93,138# 20/40 sand in 563 bbls Viking 1-25 fluid. Perfs broke down @ 2177 psi. Treated @ avg rate of 28.9 BPM w/avg press of 1845 psi. ISIP: 2213 psi, 5-min: 2164 psi. Left pressure on well. RD BJ. Est 1151 BWTR.

10/25/00 4758'-4858' **Frac D sand as follows:**  
 3500 gals Viking pad, 80,580# 20/40 sand in 515 bbls Viking 1-25 fluid. Perfs broke down @ 3261 psi. Avg. press 2100 psi @ avg rate of 31.4 BPM. ISIP 2270 psi. RD BJ. Start immed flowback on 12/64" choke @ 1 BPM. Flowed 486 BTF in 8-1/2 hrs. Turned flow to production tanks.

12/20/02  
 12-10-07  
 05-13-08  
 12-10-07  
 5 Year MIT completed.

Converted to injector.  
 Workover. Zone stimulation

### PERFORATION RECORD

Date	Depth	Perforation Type	Holes
10/19/00	5376'-5382'	4 JSPF	24 holes
10/19/00	5398'-5404'	4 JSPF	24 holes
10/21/00	5175'-5186'	4 JSPF	44 holes
10/24/00	4844'-4849'	4 JSPF	20 holes
10/24/00	4856'-4858'	4 JSPF	8 holes
10/24/00	4793'-4797'	4 JSPF	16 holes
10/24/00	4758'-4767'	4 JSPF	36 holes
10/24/00	5033'-5048'	4 JSPF	60 holes
10/24/00	4905'-4908'	4 JSPF	12 holes
10/24/00	4915'-4917'	4 JSPF	8 holes
12/19/02	4258'-4275'	4 JSPF	16 holes
12/19/02	4232'-4240'	4 JSPF	36 holes



**Jonah Federal 3-11-9-16**  
 706 FNL & 2094 FWL  
 NENW Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32159; Lease #UTU-096550

# Jonah Federal #2-11-9-16

Spud Date: 9/13/00  
 Put on Production: 11/06/00  
 GL: 5546' KB: 5556'

Initial Production: 104 BOPD,  
 103 MCFD, 5 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (286.55')  
 DEPTH LANDED: 293'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5599.54')  
 DEPTH LANDED: 5595.54'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5313.65')  
 TUBING ANCHOR: 5323.65' KB  
 NO. OF JOINTS: 1 jt (32.62')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 5359.07' KB  
 NO. OF JOINTS: 2 jts (62.65')  
 TOTAL STRING LENGTH: EOT @ 5423.27' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod  
 SUCKER RODS: 1-8", 1-4", 1-2" x 3/4" pony rods, 92-3/4" scraped rods, 90-3/4" plain rods, 25-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: Axelson, 2 1/2" x 1 1/2" x 15.5" RHAC Cent Hyd pump  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 4 SPM

**FRAC JOB**

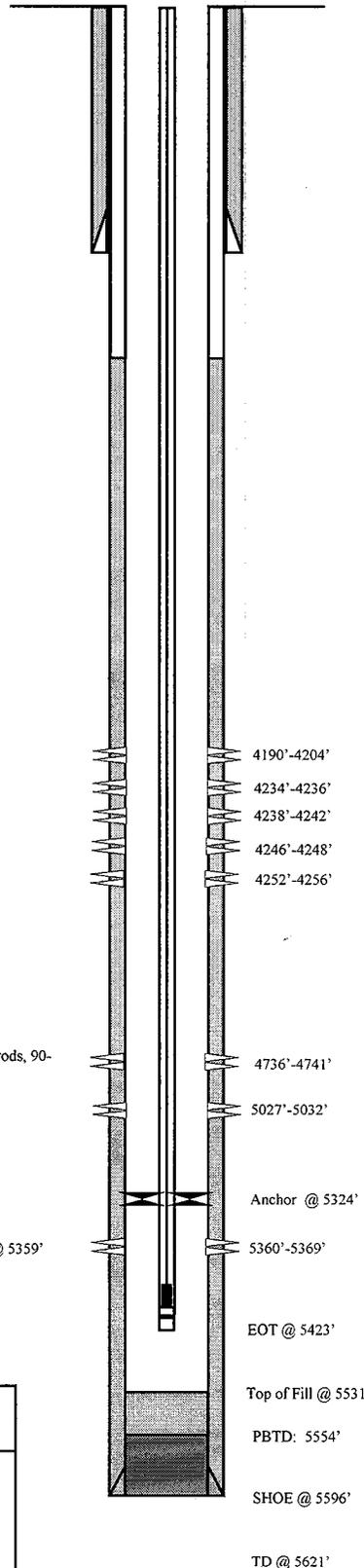
11/01/00 5360'-5369' **Frac LoDC sands as follows:**  
 45,000# 20/40 sand in 346 bbls Viking I-25 fluid. Treated @ avg press of 2500 psi w/ avg rate of 25 BPM. ISIP - 2640 psi. Calc. flush: 5360 gal. Actual flush: 5292 gal.

11/01/00 5027'-5032' **Frac B2 sands as follows:**  
 25,800# 20/40 sand in 227 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 25 BPM. ISIP 2000 psi. Calc. flush: 5027 gal. Actual flush: 4956 gal.

11/01/00 4736'-4741' **Frac D1 sands as follows:**  
 28,120# 20/40 sand in 288 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 25.5 BPM. ISIP 2200 psi. Calc. flush: 4736 gal. Actual flush: 4662 gal.

10/31/02 4190'-4256' **Frac GB4 and GB6 sands as follows:**  
 81,949# 20/40 sand in 602 bbls Viking I-25 fluid. Treated @ avg pressure of 1925 psi w/avg rate of 25 BPM. ISIP 2080 psi. Calc. flush: 4190. Actual flush: 4116.

12/23/05 Tubing leak. Update rod and tubing details.  
 12-18-07 Parted rods. Updated rod & tubing details.  
 7/21/08 parted rods. Updated tubing and rod detail.  
 1-3-09 Parted Rods. Updated rod & tubing details.



**PERFORATION RECORD**

Date	Depth Range	Number of Joints	Number of Holes
11/01/00	5360'-5269'	4 JSPF	36 holes
11/01/00	5027'-5032'	4 JSPF	20 holes
11/01/00	4736'-4741'	4 JSPF	20 holes
10/30/02	4252'-4256'	4 JSPF	16 holes
10/30/02	4246'-4248'	4 JSPF	8 holes
10/30/02	4238'-4242'	4 JSPF	16 holes
10/30/02	4234'-4236'	4 JSPF	8 holes
10/30/02	4190'-4204'	4 JSPF	56 holes

**NEWFIELD**

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**Jonah Federal #2-11-9-16**

492 FNL & 2075 FWL

NW/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32158; Lease #UTU-096550

# Castle Peak Unit #7

Spud Date: 10/8/64  
P&A'd: N/A  
GL: 5605' KB: 5615'

Wellbore Diagram

Put on Production: 12/13/64

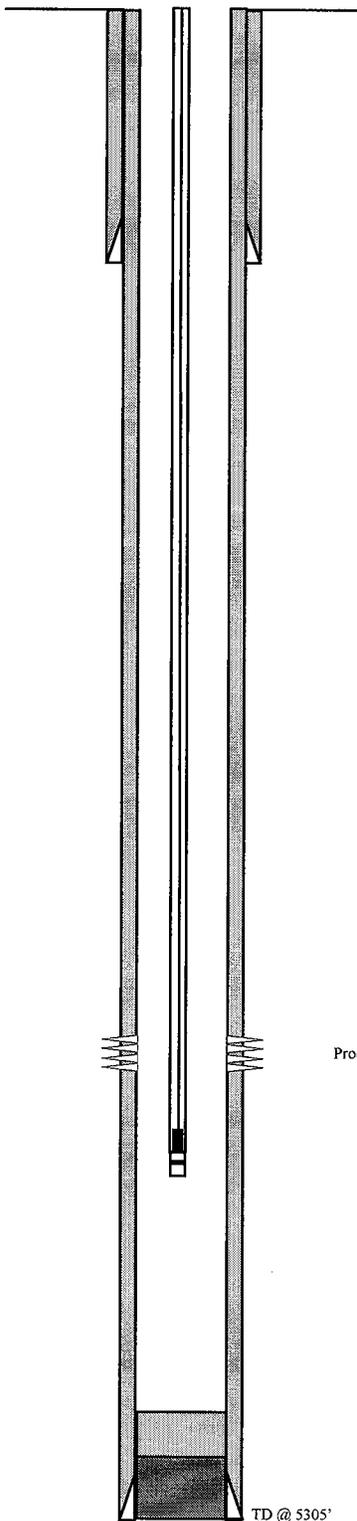
Cumulative Production

4473 BO

0 MCF

0 BW

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd. Plug date and cement plug detail were not available.



**NEWFIELD**



**Castle Peak Unit #7**  
1980 FNL 659 FEL  
SENE Section 10-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15785; Lease #U-017985

# Jonah Federal #4-11-9-16

Spud Date: 1/2/03  
 Put on Production: 1/29/04  
 GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
 78 MCFD, 5 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.88')  
 DEPTH LANDED: 304.88'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

**PRODUCTION CASING**

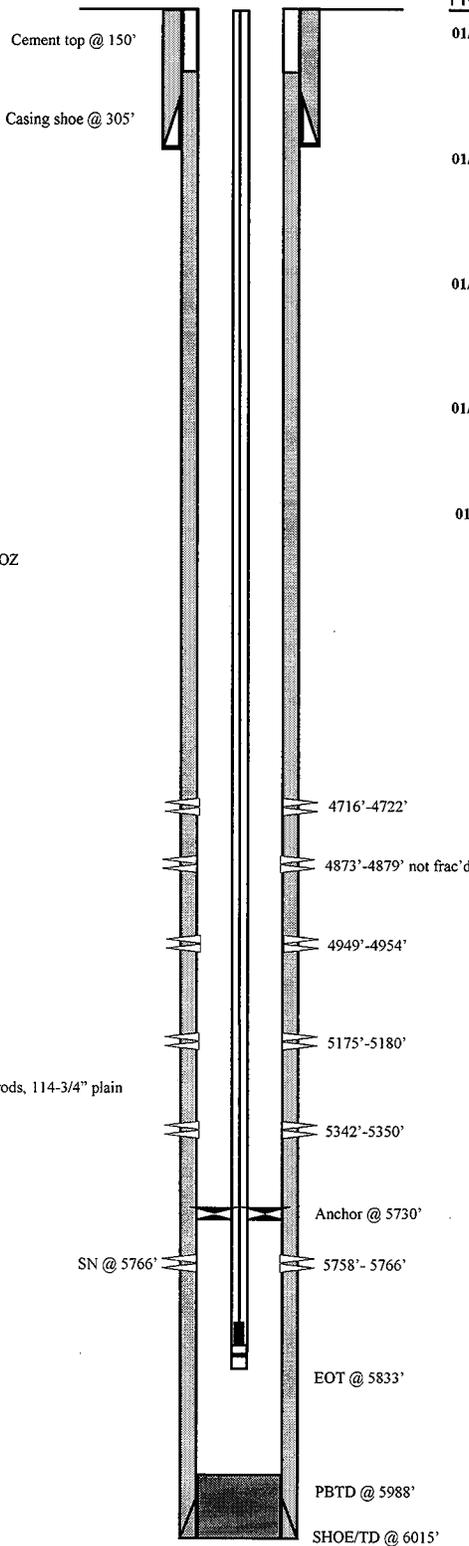
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (6016.67')  
 DEPTH LANDED: 6014.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ  
 CEMENT TOP AT: 150'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5718.05')  
 TUBING ANCHOR: 5730.05' KB  
 NO. OF JOINTS: 1 jt (33.00')  
 SN LANDED AT: 5765.85' KB  
 NO. OF JOINTS: 2 jts (65.95')  
 TOTAL STRING LENGTH: 5833.35' W/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars, 10-3/4" scraped rods, 114-3/4" plain rods, 100-3/4" scraped rods, 1-4", 1-8" x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC  
 STROKE LENGTH: 75"  
 PUMP SPEED, SPM: 6 SPM



**FRAC JOB**

- 01/22/04 5758'-5766' **Frac CP1 sands as follows:**  
 30,019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765psi w/avg rate of 24.8 BPM. ISIP-2000. Calc. flush: 5756 gals. Actual flush: 5250 gals.
- 01/22/04 5342'-5350' **Frac LODC sands as follows:**  
 39,662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.
- 01/22/04 5175'-5180' **Frac A3 sands as follows:**  
 24,875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4830 gals.
- 01/23/04 4949'-4954' **Frac B1 sands as follows:**  
 25,264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.
- 01/23/04 4716'-4722' **Frac D1 sands as follows:**  
 29,035# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.

**PERFORATION RECORD**

Date	Interval	Holes	Notes
01/21/04	5758'-5766'	4 JSPF	32 holes
01/22/04	5342'-5350'	4 JSPF	32 holes
01/22/04	5175'-5180'	4 JSPF	20 holes
01/22/04	4949'-4954'	4 JSPF	20 holes
01/23/04	4873'-4879'	4 JSPF	20 holes
01/23/04	4872.5'-4878.5'	4 JSPF	24 holes
01/23/04	4716'-4722'	4 JSPF	24 holes



**Jonah Federal #4-11-9-16**  
 864 FNL & 711 FWL  
 NWNW Section 11-T9S-R16E  
 Duchesne County, Utah  
 API #43-013-32279; Lease #U-096550

Spud Date: 8/23/64  
 Plug & Abandon: 8/30/72  
 Re-enter: 6/20/94  
 Put on Production: 7/20/94

# Monument Fed. #13-11j-9-16

Formerly Goates Fed. #2

Initial Production: 60 BOPD,  
 NM MCFD, 0 BWPD

GL: 5630' KB: 5642'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: H-40  
 WEIGHT: 32.3#  
 DEPTH LANDED: 219'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 277 sxs cement.

### FRAC JOB

5155'-5173' **Frac zones follows:**  
 15,500# sand in 328 bbls oil + 4,200#  
 glass beads in 100 bbl oil. Treated @ avg  
 press of 3500 psi w/avg rate of 41.5 BPM.

4863'-4867' **Frac zones follows:**  
 10,000# sand in 190 bbls oil + 2,000#  
 glass beads in 48 bbl oil. Treated @ avg  
 press of 2900 psi w/avg rate of 32 BPM.

### PRODUCTION CASING

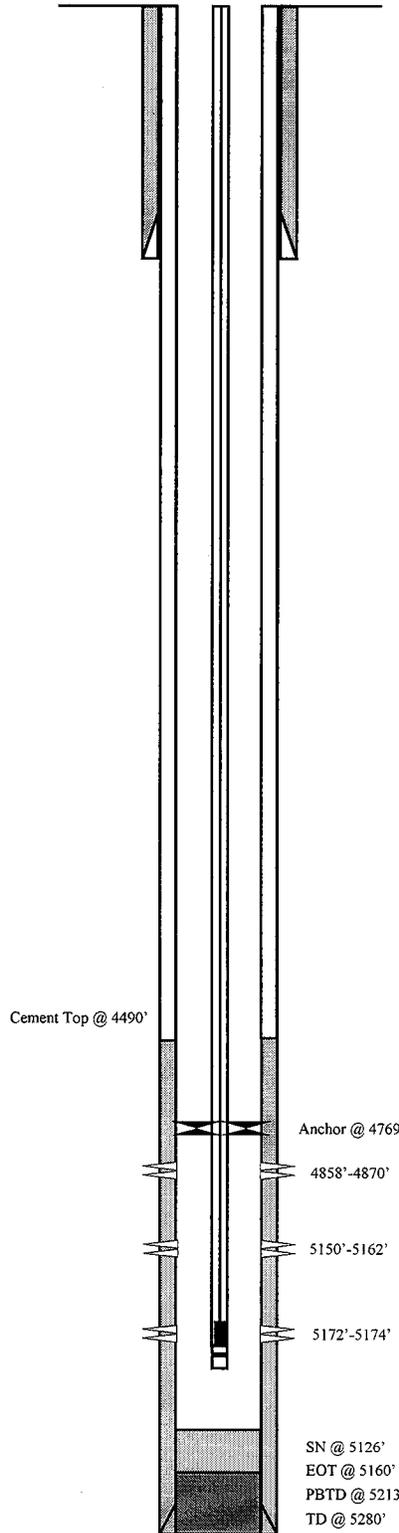
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5250'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 120 sxs cement  
 CEMENT TOP AT: 4490' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4767")  
 TUBING ANCHOR: 4769' KB  
 NO. OF JOINTS: 12 jts (357")  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5126' KB  
 NO. OF JOINTS: 1 jts Perf.sub (4.00')  
 NO. OF JOINTS: 1 jts (31")  
 TOTAL STRING LENGTH: EOT @ 5160'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 204-3/4" plain rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16'  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 5 SPM



### PERFORATION RECORD

	5173'	3 JSPP	03 holes
	5161'	3 JSPP	03 holes
	5155'	3 JSPP	03 holes
	4867'	4 JSPP	03 holes
	4863'	4 JSPP	03 holes
6/27/94	5172'-5174'	4 SPF	08 holes
6/27/94	5150'-5162'	4 SPF	48 holes
6/27/94	4858'-4870'	4 SPF	48 holes



**Monument Federal #13-11j-9-16**  
 1819' FSL & 657' FWL  
 NWSW Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15790; Lease #U-096547

# S. Wells Draw #L-10-9-16

Wellbore Diagram

Spud Date: 8/6/08  
 Put on Production: 9/12/08  
 GL: 5651' KB: 5663'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (314.13')  
 DEPTH LANDED: 325.98'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class 'G' cement

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts (6486.62')  
 DEPTH LANDED: 6231.97'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sx Premilite II and 450 sx 50/50 poz  
 CEMENT TOP AT: 34'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5222.70')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5298.53' KB  
 NO. OF JOINTS: 2 (61.72)  
 TOTAL STRING LENGTH: EOT @ 5361.80'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' polished rod  
 SUCKER RODS: 1-2", 4', 8", x 7/8" pony subs, 207- 7/8" guided rods (8 per) 4-1/2" wt bars, shear coupler  
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" x 20.5" RHAC rod pump- CDI  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 5

**FRAC JOB**

9-8-08 5954-5964' **Frac A1 sds as follows:**  
 Frac w/29,513# 20/40 sand in 402 bbls of Lightning 17 fluid. Broke @ 2954 psi. Treated w/ ave pressure of 2489 psi w/ ave rate of 23.1 BPM. ISIP 2421 psi. Actual flush: 4780 gals.

9-8-08 5124-5136' **Frac B2 sds as follows:**  
 Frac w/45,017# 20/40 sand in 445 bbls of Lightning 17 fluid. Broke @ 2825 psi. Treated w/ ave pressure of 2450 psi w/ ave rate of 23.1 BPM. ISIP 2437 psi. Actual flush: 4620 gals.

9-8-08 4978-4986' **Frac C sds as follows:**  
 Frac w/35,060# 20/40 sand in 433 bbls of Lightning 17 fluid. Broke @ 3424 psi. Treated w/ ave pressure of 2729 psi w/ ave rate of 22.6 BPM. ISIP 2441 psi. Actual flush: 4473 gals.

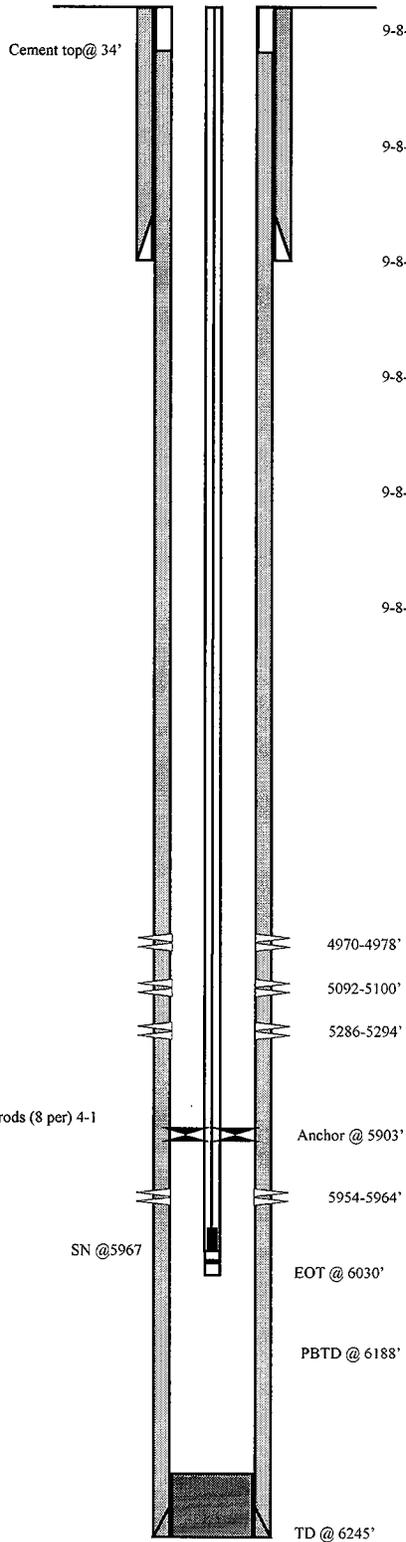
9-8-08 4794-4804' **Frac D1 sds as follows:**  
 Frac w/25,061# 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3793 psi. Treated w/ ave pressure of 2586 psi w/ ave rate of 23.1 BPM. ISIP 2360 psi. Actual flush: 4204 gals.

9-8-08 4288-4300' **Frac GB6 sds as follows:**  
 Frac w/40,996# 20/40 sand in 393 bbls of Lightning 17 fluid. Broke @ 4200 psi. Treated w/ ave pressure of 1993 psi w/ ave rate of 22.6 BPM. ISIP 2053 psi. Actual flush: 3784 gals.

9-8-08 4116-4130' **Frac GG2 sds as follows:**  
 Frac w/26,166# 20/40 sand in 343 bbls of Lightning 17 fluid. Broke @ 4123 psi. Treated w/ ave pressure of 1950 psi w/ ave rate of 23.1 BPM. ISIP 1825 psi. Actual flush: 4032 gals.

**PERFORATION RECORD**

9-8-08	4116-4130'	4 JSPF	56 holes
9-8-08	4288-4300'	4 JSPF	48 holes
9-8-08	4794-4804'	4 JSPF	40 holes
9-8-08	4978-4986'	4 JSPF	32 holes
9-8-08	5124-5136'	4 JSPF	48 holes
9-8-08	5286-5294'	4 JSPF	32 holes



**S. Wells Draw #L-10-9-16**  
 1975' FSL & 1960' FEL  
 NWSE Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33765; Lease # UTU-72107

# Monument Federal #12-11-9-16

Spud Date: 12/16/93  
 Put on Production: 2/02/94  
 Put on injection: 11/01/94  
 GL: 5625' KB: 5635'

Initial Production: 17 BOPD,  
 100 MCFD, 0 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 263.6'  
 DEPTH LANDED: 271' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2" / K-55 / 15.5#  
 LENGTH: 5739'  
 DEPTH LANDED: 5748' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 130 sxs Hifill & 265 sxs 50/50 POZ.  
 CEMENT TOP AT: 1984' per CBL

**TUBING**

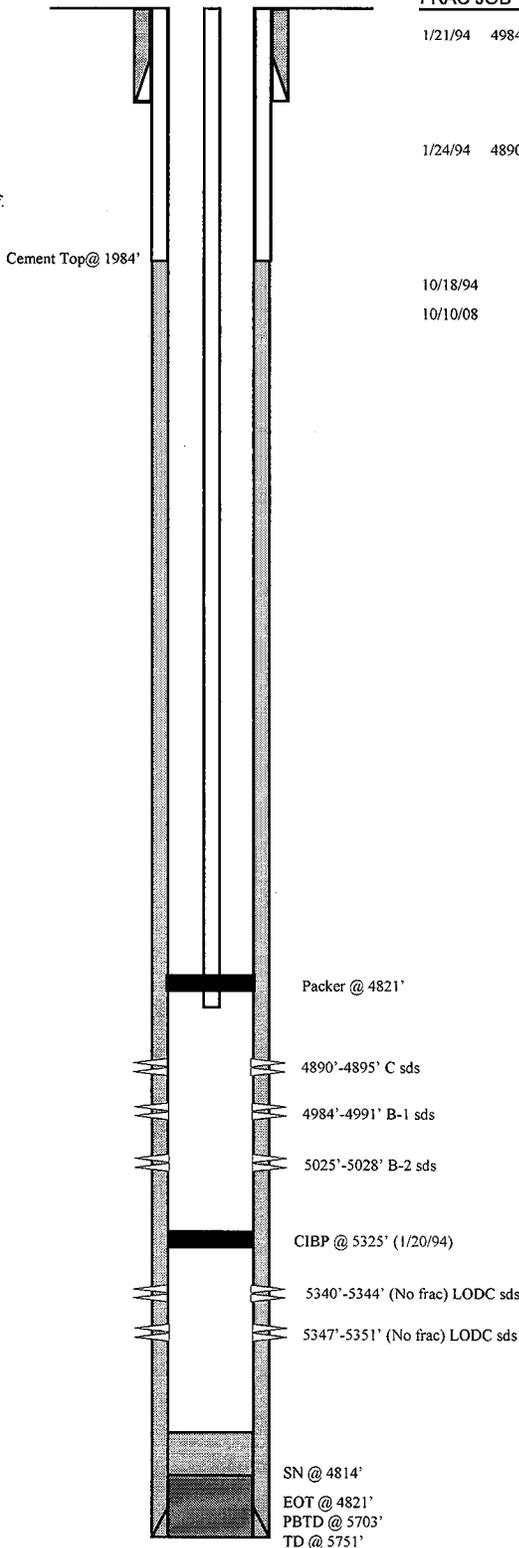
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 152 jts. (4813.70')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4814.80' KB  
 2 7/8" x 2 3/8" x-over: 4815.40' KB  
 TUBING PACKER: 4821.60'  
 TOTAL STRING LENGTH: EOT @ 4821.60'

**FRAC JOB**

1/21/94 4984'-5028' **Frac zone as follows:**  
 28,620# 16/30 sand in 384 bbls frac fluid.  
 Treated @ avg press of 2100 psi w/avg  
 rate of 25.9 BPM. ISIP 1600 psi. Calc.  
 flush: 4984 gal. Actual flush: 4914 gal.

1/24/94 4890'-4895' **Frac zone as follows:**  
 17,220# 16/30 sand in 178 bbls frac fluid.  
 Treated @ avg press of 2300 psi w/avg  
 rate of 19.5 BPM. Calc. flush: 4890 gal.  
 Actual flush: 2016 gal. Screened out  
 during flush.

10/18/94 Convert to injection. Update tubing details.  
 10/10/08 Zone stimulation.



**PERFORATION RECORD**

Date	Depth Range	SPF	Holes
1/19/94	5347'-5351'	2	08
1/19/94	5340'-5344'	2	08
1/20/94	5025'-5028'	2	06
1/20/94	4984'-4991'	2	14
1/24/94	4890'-4895'	2	10



**Monument Federal #12-11-9-16**  
 2128' FNL & 689' FWL  
 SWNW Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31417; Lease #UTU-096550

# South Wells Draw 14-2-9-16

Spud Date: 5/27/2000  
 Put on Production: 6/05/2000  
 GL: 5547' KB: 5557'

Initial Production: 199 BOPD,  
 248 MCFD, 3 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (30.71")  
 DEPTH LANDED: 305.71'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt.

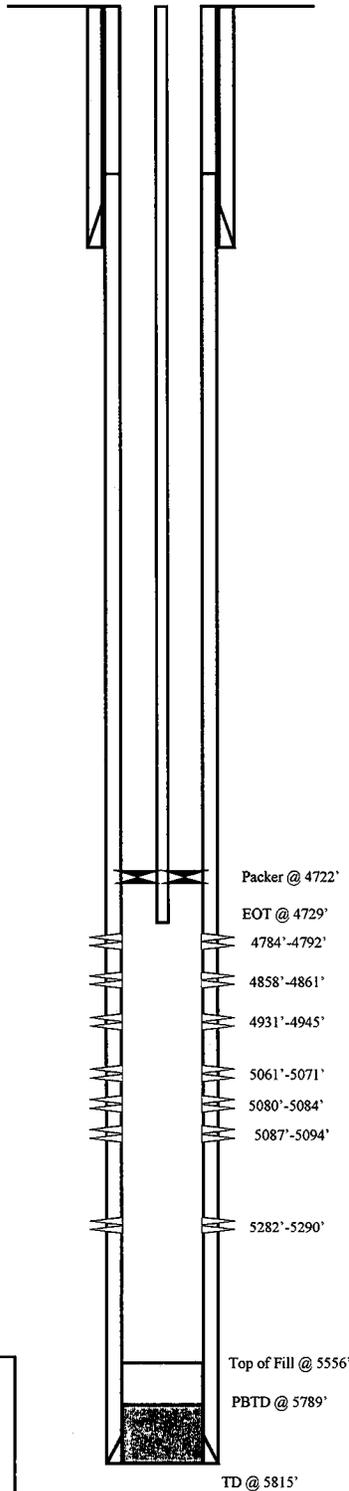
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5800.39")  
 DEPTH LANDED: 5798'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 152 jts (4708')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4004' KB  
 CE @ 4721'  
 TOTAL STRING LENGTH: EOT @ 4729' KB

Injection Wellbore  
 Diagram



### FRAC JOB

Date	Interval	Description
5/23/00	5282'-5290'	<b>Frac A sand</b> as follows: 75,200# 20/40 sand in 477 bbls Viking I-25 Fluid. Perfs brk back @ 2770 psi. Treated @ avg press of 1500 psi w/ avg rate of 28 BPM. ISIP - 1960 psi, 5 min - 1625 psi. RD BJ. Flow back A sd frac on 12/64 choke for 3 hrs & died. Rec 99 BTF
5/25/00	5061'-5094'	<b>Frac B sand</b> as follows: 3000 gals of Viking I-25 pad, 75,200 lbs white 20/40 sand in 11,000 gals Viking I-25 fluid. 5040 gals flush. Broke down at 2650 psi. 1600 psi avg. ISIP 2150 psi. 5 min 1839 psi. 477 total bbls pumped. RD BJ. Flow frac back @ .6 bpm avg rate. 54 bbls in 1.5 hrs.
5/30/00	4931'-4945'	<b>Frac C sand</b> as follows: 72,057# 20/40 sd in 430 bbls Viking I-25 fluid. Hole filled w/114 bbls. Perfs broke dn @ 1970 psi. Treated @ avg rate of 26.8 BPM w/ avg press of 2500 psi. Screened out w/ 8.5# sd on perfs w/3822 gals flushed (1104 gals short of top perf). ISIP 3320#, 5 min 2651#. RD BJ. Flowback frac on 12/64" chk for 2 hrs & died. Rec 50 BTF
6/01/00	4784'-4861'	<b>Frac D-1 sand</b> as follows: 78,043# 20/40 sand in 484 bbls Viking I-25 fluid. Hole filled w/110 bbls. Perfs broke dn @ 2644 psi. Treated @ avg rate of 29 BPM w/avg press of 1800 psi. ISIP: 2010 psi, 5-min: 1883 psi. RD BJ. Flowback frac on 12/64" chk for 3 hrs and died. Rec 110 BTF
3/07/03		Pump change. Updated rod and tubing detail.
2-23-06		Pump change. Updated rod and tubing detail.
04-06-10		MT

### PERFORATION RECORD

Date	Interval	Perforations	Holes
5/22/00	5282'-5290'	4 JSPF	32 holes
5/24/00	5061'-5071'	4 JSPF	40 holes
5/24/00	5080'-5084'	4 JSPF	16 holes
5/24/00	5087'-5094'	4 JSPF	28 holes
5/26/00	4931'-4945'	4 JSPF	56 holes
5/31/00	4784'-4792'	4 JSPF	32 holes
5/31/00	4858'-4861'	4 JSPF	12 holes



**South Wells Draw #14-2-9-16**  
 725 FSL 1980 FWL  
 SE/SW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32128; Lease #ML-21839

# Walton Federal #4-11-9-16

Spud Date: 11/27/1964  
 Put on Production: 1/14/1965  
 GL: 5605' KB: 5615'

Initial Production: 155 BOPD, 40 MCFD,  
 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: J-55  
 WEIGHT: 32.2#  
 LENGTH: 6 jts. (193')  
 DEPTH LANDED: 203' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "C" cmt.

### PRODUCTION CASING

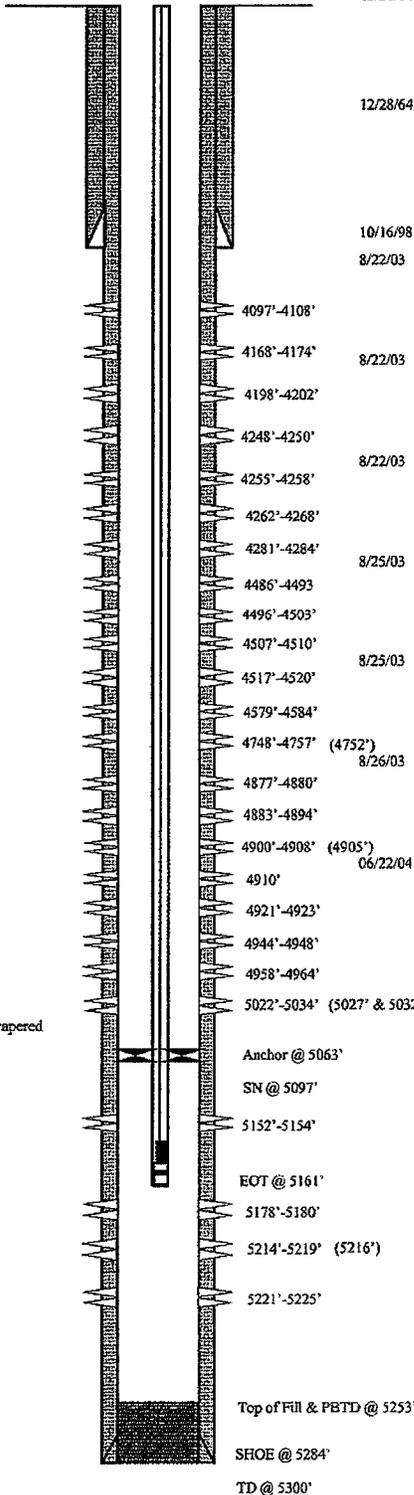
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 176 jts. (5274')  
 DEPTH LANDED: 5284'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs. cement  
 CEMENT TOP AT: ? per CBL

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 159 jts (5052.80') KB  
 TUBING ANCHOR: 5062.80'  
 NO. OF JOINTS: 1 jts (31.80')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5097.40' KB  
 NO. OF JOINTS: 2 jts (61.88')  
 TOTAL STRING LENGTH: EOT @ 5160.83' w/10' KB

### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 6-1 1/2" weight bars; 30-3/4" guided rods; 73-3/4" scraped rods; 94-3/4" scraped rods, 1-4', 1-2' x 3/4" pony rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 15.5" RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL



### FRAC JOB

12/28/64 5027'-5216' Frac zones as follows:  
 17,750# 20/40 sand in 400 bbls crude oil, + 2000# 8/12 beads in 4200 gal. crude oil. Treated @ avg press of 4000 psi w/avg rate of 18.7 BPM.

12/28/64 4752'-4910' Frac zones as follows:  
 16,000# 20/40 sand in 416 bbls crude oil, + 900# 8/12 beads in 1800 gal. crude oil. Treated @ avg press of 3500 psi w/avg rate of 37 BPM. Calc. flush: 4752 gal. Actual flush: 4956 gal.

10/16/98 Test tubing. Update rod and tubing details.

8/22/03 5152'-5225' Frac A1 and 3 sands as follows:  
 39,882# 20/40 sand in 211 bbls Viking I-25 fluid. Treated @ avg press of 3225 psi w/avg rate of 14.5 BPM. ISIP 1950 psi. Calc flush: 1323 gal. Actual flush: 1218 gal.

8/22/03 5022'-5034' Frac B2 sands as follows:  
 19,591# 20/40 sand in 115 bbls Viking I-25 fluid. Treated @ avg press of 3000 psi w/avg rate of 15 BPM. ISIP 1860 psi. Calc flush: 1276 gal. Actual flush: 1154 gal.

8/22/03 4877'-4964' Frac C & B sands as follows:  
 50,555# 20/40 sand in 273 bbls Viking I-25 fluid. Treated @ avg press of 3050 psi w/avg rate of 14.7 BPM. ISIP 1920 psi. Calc flush: 1254 gal. Actual flush: 1197 gal.

8/25/03 4748'-4757' Frac D1 sands as follows:  
 19,742# 20/40 sand in 245 bbls Viking I-25 fluid. Treated @ avg press of 2493 psi w/avg rate of 20.2 BPM. ISIP 2070 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.

8/25/03 4486'-4584' Frac PBX sands as follows:  
 50,279# 20/40 sand in 414 bbls Viking I-25 fluid. Treated @ avg press of 2517 psi w/avg rate of 22 BPM. ISIP 2320 psi. Calc flush: 4484 gal. Actual flush: 4410 gal.

8/26/03 4097'-4284' Frac GB sands as follows:  
 100,000# 20/40 sand in 693 bbls Viking I-25 fluid. Treated @ avg press of 1962 psi w/avg rate of 20.5 BPM. ISIP 1870 psi. Calc flush: 4095 gal. Actual flush: 4011 gal.

06/22/04 Tubing Leak. Update Rod detail.

### PERFORATION RECORD

Date	Depth	SPF	Holes
12/26/64	5216'	3 SPF	03 holes
12/26/64	5032'	3 SPF	03 holes
12/26/64	5027'	3 SPF	03 holes
12/28/64	4910'	3 SPF	03 holes
12/28/64	4905'	3 SPF	03 holes
12/28/64	4752'	3 SPF	03 holes
8/21/03	5221'-5225'	2 JSFP	8 holes
8/21/03	5214'-5219'	2 JSFP	10 holes
8/21/03	5178'-5180'	4 JSFP	8 holes
8/21/03	5152'-5154'	4 JSFP	8 holes
8/21/03	5022'-5034'	2 JSFP	22 holes
8/21/03	4958'-4964'	4 JSFP	24 holes
8/21/03	4944'-4948'	4 JSFP	16 holes
8/21/03	4921'-4923'	2 JSFP	4 holes
8/21/03	4900'-4908'	2 JSFP	16 holes
8/21/03	4883'-4894'	2 JSFP	22 holes
8/21/03	4877'-4880'	2 JSFP	6 holes
8/21/03	4748'-4757'	2 JSFP	18 holes
8/25/03	4579'-4584'	4 JSFP	20 holes
8/25/03	4517'-4520'	2 JSFP	6 holes
8/25/03	4507'-4510'	2 JSFP	6 holes
8/25/03	4496'-4503'	2 JSFP	14 holes
8/25/03	4486'-4493'	2 JSFP	14 holes
8/26/03	4281'-4284'	2 JSFP	6 holes
8/26/03	4262'-4268'	2 JSFP	12 holes
8/26/03	4255'-4258'	2 JSFP	6 holes
8/26/03	4248'-4250'	2 JSFP	4 holes
8/26/03	4198'-4202'	2 JSFP	8 holes
8/26/03	4168'-4174'	2 JSFP	12 holes
8/26/03	4097'-4108'	2 JSFP	22 holes

MHB 7/27/04

## NEWFIELD

Walton Federal #4-11-9-16  
 1980' FNL & 1975' FWL  
 SENW Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15795; Lease #U-096550

# Multi-Chem Group, LLC

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



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **Jonah 4-11-9-16**  
Sample Point: **tank**  
Sample Date: **11/20/2009**  
Sales Rep: **Randy Huber**  
Lab Tech: **Peter Poulsen**

Sample ID: **WA-33961**

Sample Specifics	
Test Date:	11/20/2009
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0110
pH:	7.8
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	10542
Molar Conductivity (µS/cm):	15973
Resitivity (Mohm):	0.6261

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	40.00	Chloride (Cl):	6000.00
Magnesium (Mg):	12.20	Sulfate (SO₄):	19.00
Barium (Ba):	17.00	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	488.00
Sodium (Na):	3965.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	1.00
Iron (Fe):	0.15	Phosphate (PO₄):	-
Manganese (Mn):	0.12	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										
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100	0	1.69	2.39	0.00	-2434.40	0.00	-2568.20	-	-	7.57	21.02	0.20
80	0	1.22	0.88	0.00	-7.35	0.00	-2731.60	-	-	11.55	23.18	0.09
100	0	1.69	2.39	0.00	-3.99	0.00	-2568.20	-	-	7.57	21.02	0.12
120	0	2.18	3.69	0.00	-1.44	0.00	-2327.60	-	-	5.08	18.41	0.13
140	0	2.71	4.90	0.00	0.58	0.00	-2044.10	-	-	3.47	15.36	0.15
160	0	3.24	5.97	0.00	2.15	0.00	-1746.90	-	-	2.42	11.83	0.16
180	0	3.73	6.84	0.00	3.33	0.00	-1457.80	-	-	1.71	7.79	0.18
200	0	4.12	7.43	0.00	4.12	0.00	-1191.50	-	-	1.23	3.21	0.18
220	2.51	4.32	7.73	0.00	4.54	0.00	-966.84	-	-	0.87	-2.32	0.18
240	10.3	4.42	7.66	0.00	4.62	0.00	-763.40	-	-	0.64	-8.28	0.19
260	20.76	4.36	7.27	0.00	4.44	0.01	-592.76	-	-	0.47	-15.02	0.19
280	34.54	4.17	6.65	0.00	4.06	0.01	-452.56	-	-	0.35	-22.63	0.19
300	52.34	3.88	5.89	0.00	3.56	0.01	-339.38	-	-	0.26	-31.24	0.20

### 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:



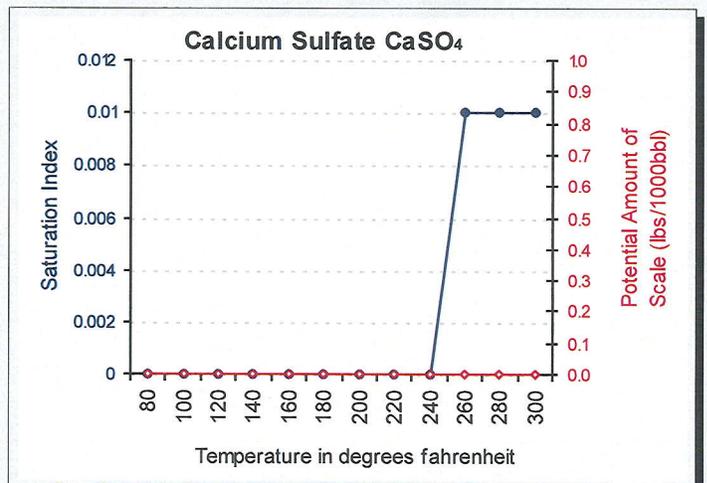
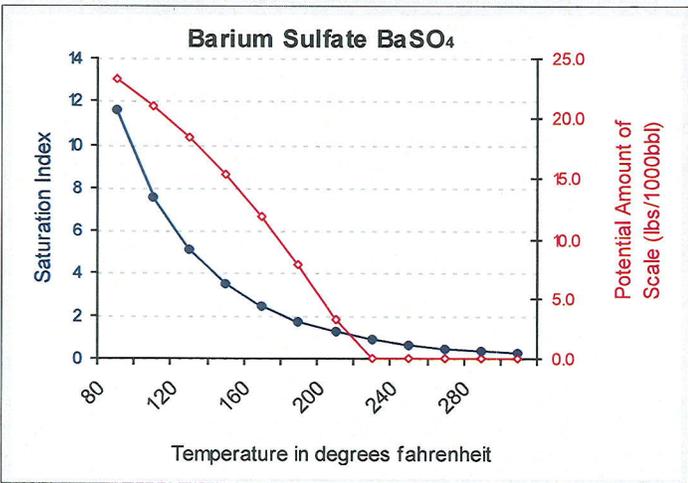
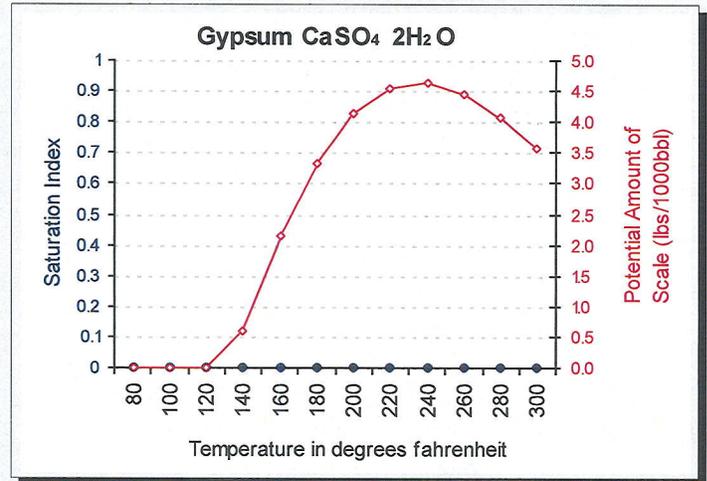
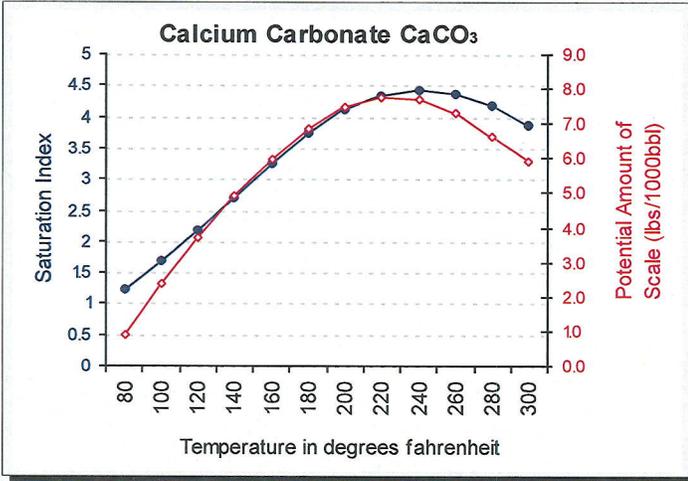
**Multi-Chem Group, LLC**  
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

Scale Prediction Graphs

Well Name: **Jonah 4-11-9-16**

Sample ID: **WA-33961**





**Multi-Chem Group, LLC**

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

multi-chem®

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **JONAH INJ**  
Sample Point: **Before Filters**  
Sample Date: **1 /1 /2010**  
Sales Rep: **Randy Huber**  
Lab Tech: **John Keel**

Sample ID: **WA-35263**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	90
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0050
pH:	8.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	7933
Molar Conductivity (µS/cm):	12020
Resitivity (Mohm):	0.8319

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	80.00	Chloride (Cl):	4000.00
Magnesium (Mg):	48.80	Sulfate (SO₄):	323.00
Barium (Ba):	34.00	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	658.00
Sodium (Na):	2785.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	2.00
Iron (Fe):	2.08	Phosphate (PO₄):	-
Manganese (Mn):	0.57	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	17.10	29.28	0.02	-1942.70	0.01	-2189.80	-	-	375.54	57.61	0.05
80	0	14.76	26.59	0.02	20.45	0.01	-2253.30	-	-	464.73	57.64	0.02
100	0	19.38	31.61	0.02	25.38	0.01	-2104.60	-	-	305.28	57.57	0.03
120	0	23.68	35.30	0.02	28.95	0.02	-1885.50	-	-	205.05	57.47	0.03
140	0	27.54	37.86	0.03	31.43	0.02	-1627.30	-	-	140.63	57.32	0.04
160	0	30.47	38.83	0.03	32.45	0.03	-1356.90	-	-	98.20	57.12	0.04
180	0	32.13	38.01	0.03	31.89	0.04	-1094.20	-	-	69.69	56.85	0.05
200	0	32.40	35.56	0.04	29.90	0.06	-852.40	-	-	50.15	56.48	0.05
220	2.51	31.15	32.24	0.04	27.14	0.08	-647.23	-	-	35.89	55.95	0.05
240	10.3	29.15	28.12	0.04	23.67	0.13	-463.09	-	-	26.37	55.26	0.05
260	20.76	26.54	24.01	0.05	20.19	0.21	-308.95	-	-	19.58	54.36	0.05
280	34.54	23.61	20.22	0.05	16.96	0.35	-182.65	-	-	14.67	53.18	0.05
300	52.34	20.61	16.94	0.05	14.12	0.58	-81.18	-	-	11.07	51.64	0.05

**Conclusions:**

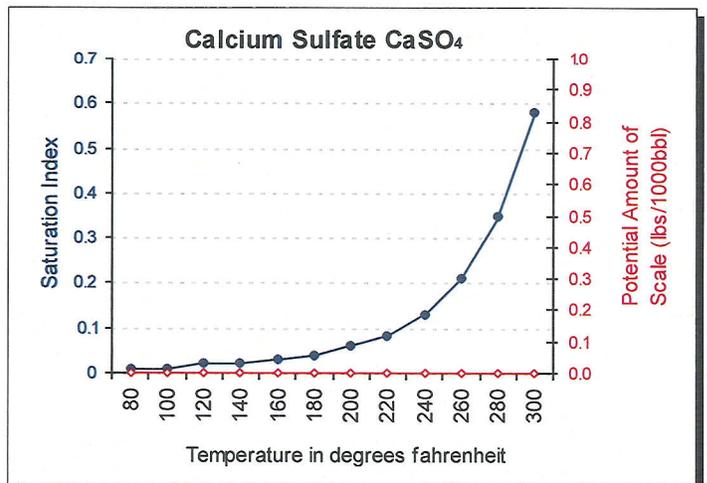
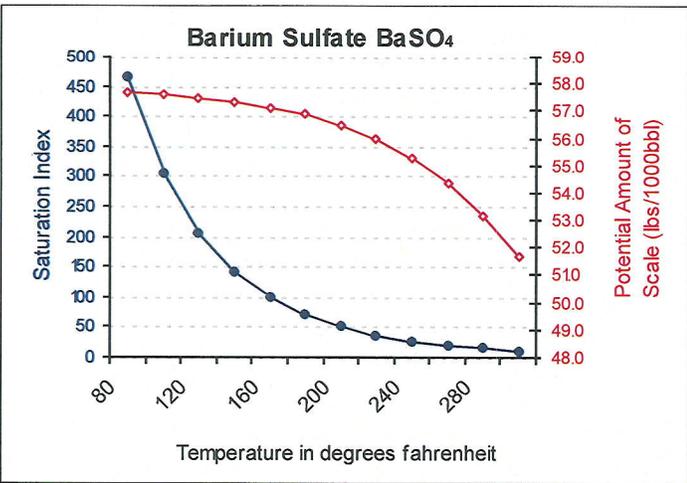
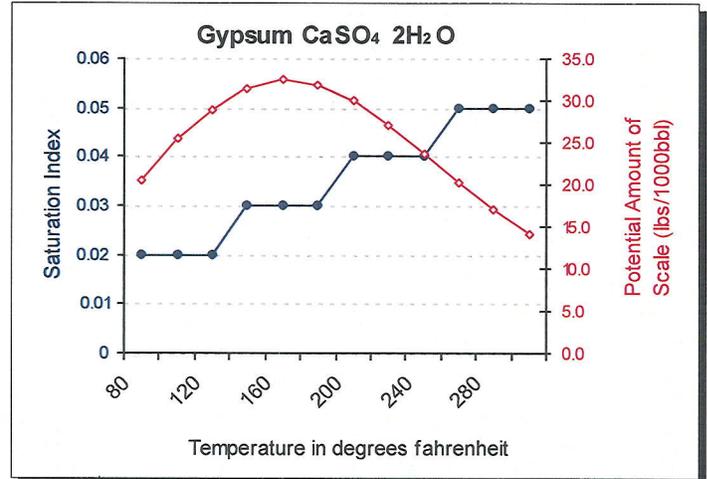
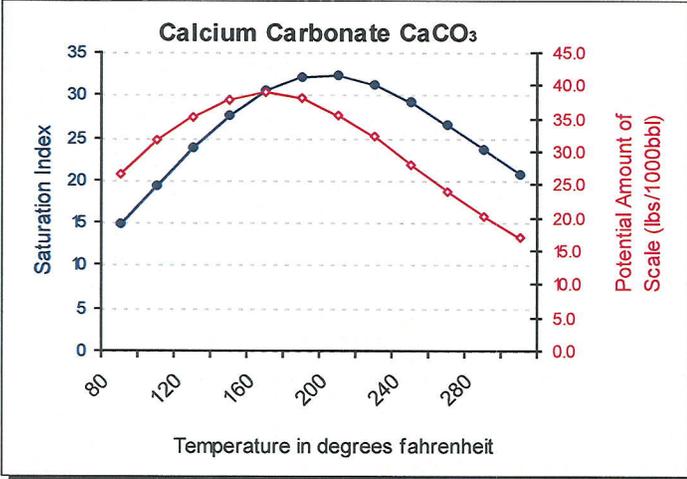
Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

**Notes:**

Scale Prediction Graphs

Well Name: JONAH INJ

Sample ID: WA-35263



Attachment "G"

**Jonah Federal #4-11-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4716	4722	4719	2115	0.88	2084
4949	4954	4952	2230	0.88	2198
5175	5180	5178	2020	0.82	1986
5342	5350	5346	2620	0.92	2585
5758	5766	5762	2000	0.78	1963 ←
				<b>Minimum</b>	<u>1963</u>

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

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

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



Attachment G-1  
1/29

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 22, 2004 **Completion Day:** 01  
**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** \_\_\_\_\_

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>CP1 sds</u>	<u>5758-5766'</u>	<u>4/32</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 21, 2004 **SITP:** \_\_\_\_\_ **SICP:** 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU HO trk & pressure test casing, blind rams, frac head & casing valves to 3000 psi. RU Patterson WLT & run CBL under pressure. WLTD @ 5954' & cmt top @ 150'. Perf stage #1 W/ 4" ported gun as follows: CP1 sds @ 5758-66' W/ 4 JSPF in 1 run. RU HO trk to breakdown CP1 sds. Holds 4400 psi solid. RIH W/ 3 1/8" dumpbailer & spot 8 gals 15% HCL acid across perfs. RU HO trk & breakdown @ 2600 psi. Pump 5 BW into perfs @ 1.1 BPM @ 900 psi. SIFN W/ est 147 BWTR.

**\*\*Perf'd W/ Prospector charges (22.7 grams, .40" E.H. & 33.68" Penetration)\*\***

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 142 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 5 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 147 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:**

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

**COSTS**

<u>Weatherford BOP</u>	<u>\$130</u>
<u>IPC NU crew</u>	<u>\$300</u>
<u>IPC trucking</u>	<u>\$1,200</u>
<u>Patterson CBL/CP1</u>	<u>\$4,052</u>
<u>Drilling cost</u>	<u>\$203,843</u>
<u>Zubiate HO trk</u>	<u>\$650</u>
<u>Location preparation</u>	<u>\$300</u>
<u>IPC wellhead</u>	<u>\$1,500</u>
<u>Benco - anchors</u>	<u>\$950</u>
<u>Admin. Overhead</u>	<u>\$3,000</u>
<u>IPC acid</u>	<u>\$110</u>
<u>IPC supervision</u>	<u>\$300</u>

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$216,335

**TOTAL WELL COST:** \$216,335



Attachment G-1  
2 of 9

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 23, 2004 **Completion Day:** 02

**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>CP1 sds</u>	<u>5758-5766'</u>	<u>4/32</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 22, 2004 **SITP:** 0 **SICP:** 0

**Day 2(a):**

NU BJ Services "Ram head" flange. RU BJ & frac CP1 sds W/ 30,019# 20/40 sand in 331 bbls Lightning frac 17 fluid. Perfs broke back @ 1908 psi @ 20 BPM. Treated @ ave press of 1765 psi W/ ave rate of 24.8 BPM. Spotted 240 gals 15% HCL acid in flush to cover stage #2. ISIP- 2000 psi. Leave pressure on well. Est 478 BWTR.

See day 2(b)

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 147 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 331 **Oil lost/recovered today:** 0  
**Ending fluid to be recovered:** 478 **Cum oil recovered:** 0  
**IFL:** FFL: FTP: **Choke:** Final Fluid Rate: Final oil cut:

**STIMULATION DETAIL**

**Base Fluid used:** Lightning frac 17 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** CP1 sands

- 2400 gals of pad
- 1875 gals W/ 1-5 ppg of 20/40 sand
- 3879 gals W/ 5-8 ppg of 20/40 sand
- 252 gals of slick water
- 240 gals 15% HCL acid
- Flush W/ 5250 gals of slick water

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

**Max TP:** 2260 **Max Rate:** 25 BPM **Total fluid pmpd:** 331 bbls

**Avg TP:** 1765 **Avg Rate:** 24.8 BPM **Total Prop pmpd:** 30,019 #

**ISIP:** 2000 **5 min:** 10 min: **FG:** .78

**Completion Supervisor:** Gary Dietz

**COSTS**

<u>Weatherford BOP</u>	<u>\$130</u>
<u>Weatherford service</u>	<u>\$550</u>
<u>Betts frac wtr</u>	<u>\$800</u>
<u>IPC fuel gas</u>	<u>\$100</u>
<u>BJ Services - CP1 sds</u>	<u>\$16,111</u>
<u>Eagle HO (thaw)</u>	<u>\$200</u>
<u>IPC supervision</u>	<u>\$100</u>

**DAILY COST:** \$17,991

**TOTAL WELL COST:** \$234,326



Attachment G-1  
3 of 9

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 23, 2004 **Completion Day:** 02

**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5422'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>LODC sds</u>	<u>5342-5350'</u>	<u>4/32</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5758-5766'</u>	<u>4/32</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 22, 2004 **SITP:** \_\_\_\_\_ **SICP:** 1455

**Day 2(b):**

RU Patterson WLT, mast & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 8' perf gun. Set plug @ 5422'. Perf stage #2 W/ 4" ported gun (22.7 gram prospector charges) as follows: LODC sds @ 5342-50' W/ 4 JSPF (all 1 run). RU BJ & frac LODC sds W/ 39,662# 20/40 sand in 377 bbls Lightning frac 17 fluid. Initially had leakoff only (continued to increase) & perfs broke down on 13th time of pressuring up to 4400 psi. Treated @ ave press of 2565 psi W/ ave rate of 24.6 BPM. Spotted 240 gals 15% HCL acid in flush to cover stage #3. ISIP- 2620 psi. Leave pressure on well. Est 855 BWTR.

**See day 2(c)**

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 478 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 377 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 855 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning frac 17 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** LODC sands

3200 gals of pad

2500 gals W/ 1-5 ppg of 20/40 sand

4808 gals W/ 5-8 ppg of 20/40 sand

240 gals 15% HCL acid

Flush W/ 5334 gals of slick water

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

**COSTS**

Weatherford frac plug \$2,200

Patterson - LODC sds \$2,200

Betts frac wtr \$800

IPC fuel gas \$100

BJ Services -LODC sds \$9,012

IPC supervision \$100

**Max TP:** 3211 **Max Rate:** 24.8 BPM **Total fluid pmpd:** 377 bbls

**Avg TP:** 2565 **Avg Rate:** 24.6 BPM **Total Prop pmpd:** 39,662 #

**ISIP:** 2620 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .92

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$14,412

**TOTAL WELL COST:** \$248,738



Attachment E-1  
Hof 9

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 23, 2004 **Completion Day:** 02

**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5422'  
**BP/Sand PBTD:** 5241'  
**BP/Sand PBTD:** 5060'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B1 sds	4949-4954'	4/20			
A3 sds	5175-5180'	4/20			
LODC sds	5342-5350'	4/32			
CP1 sds	5758-5766'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 22, 2004 **SITP:** \_\_\_\_\_ **SICP:** 2023

**Day 2(c):**

RU Patterson WLT & run Weatherford 5 1/2" composite flow-through frac plug & 5' perf gun. Set plug @ 5241'. Perf stage #3 W/ 4" ported gun (22.7 gram prospector charges) as follows: A3 sds @ 5175-80' W/ 4 JSPF (all 1 run). RU BJ & frac A3 sds W/ 24,875# 20/40 sand in 283 bbls Lightning frac 17 fluid. Perfs broke down @ 4433 psi after acid soaked for 11 minutes. Treated @ ave press of 2200 psi W/ ave rate of 24.7 BPM. Spotted 240 gals 15% HCL acid in flush to cover stage #4. ISIP- 2020 psi. RU Patterson WLT & run Weatherford 5 1/2" composite flow-through frac plug & 5' perf gun. Set plug @ 5060'. Perf stage #4 W/ 4" ported gun (22.7 gram prospector charges) as follows: B1 sds @ 4949-54' W/ 4 JSPF (all 1 run). RU BJ Services. Breakdown B1 perfs @ 3985 psi (on first attempt). Pump 10 BW to displace acid into perfs (12 BPM @ 2300 psi). Leave pressure on well W/ est 1148 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 855 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 293 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1148 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning frac 17 **Job Type:** Sand frac

**Company:** BJ Services

**Procedure or Equipment detail:** A3 sands

- 2000 gals of pad
- 1569 gals W/ 1-5 ppg of 20/40 sand
- 3135 gals W/ 5-8 ppg of 20/40 sand
- 84 gals of slick water
- 240 gals 15% HCL acid
- Flush W/ 4830 gals of slick water

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

**Max TP:** 2826 **Max Rate:** 25.1 BPM **Total fluid pmpd:** 283 bbls  
**Avg TP:** 2200 **Avg Rate:** 24.7 BPM **Total Prop pmpd:** 24,875#  
**ISIP:** 2000 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .82

**Completion Supervisor:** Gary Dietz

**COSTS**

Weatherford frac plugs	\$4,400
Patterson - A3/B1 sds	\$3,500
Betts frac wtr	\$800
IPC fuel gas	\$100
BJ Services -A3 sds	\$5,733
IPC supervision	\$100

**DAILY COST:** \$14,633

**TOTAL WELL COST:** \$263,371



Attachment G-1  
5869

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 24, 2004 **Completion Day:** 03

**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** Size: Wt: Grd: Pkr/EOT @: **BP/Sand PBTD:** 5422'

**BP/Sand PBTD:** 5241'

**BP/Sand PBTD:** 5060'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>B1 sds</u>	<u>4949-4954'</u>	<u>4/20</u>			
<u>A3 sds</u>	<u>5175-5180'</u>	<u>4/20</u>			
<u>LODC sds</u>	<u>5342-5350'</u>	<u>4/32</u>			
<u>CP1 sds</u>	<u>5758-5766'</u>	<u>4/32</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 23, 2004 **SITP:**  **SICP:** 1335

**Day 3(a):**

Thaw wellhead & BOP W/ HO trk. RU BJ Services & frac B1 sds W/ 25,264# 20/40 sand in 278 bbls Lightning frac 17 fluid. Treated @ ave press of 1777 psi W/ ave rate of 24.6 BPM. Spotted 240 gals 15% HCL acid in flush to cover stage #5. ISIP- 2230 psi. Leave pressure on well. Est 1426 BWTR.

See day 3(b)

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1148 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 278 **Oil lost/recovered today:**   
**Ending fluid to be recovered:** 1426 **Cum oil recovered:** 0  
**IFL:**  **FFL:**  **FTP:**  **Choke:**  **Final Fluid Rate:**  **Final oil cut:**

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** Lightning frac 17 **Job Type:** Sand frac **Weatherford BOP** \$130  
**Company:** BJ Services **Zubiate HO (thaw)** \$200

**Procedure or Equipment detail:** B1 sands **Betts frac wtr** \$640

2000 gals of pad **IPC fuel gas** \$100

1569 gals W/ 1-5 ppg of 20/40 sand **BJ Services -B1 sds** \$8,941

3177 gals W/ 5-8 ppg of 20/40 sand **IPC supervision** \$100

240 gals 15% HCL acid

Flush W/ 4674 gals of slick water

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

**Max TP:** 2388 **Max Rate:** 25 BPM **Total fluid pmpd:** 278 bbls

**Avg TP:** 1777 **Avg Rate:** 24.6 BPM **Total Prop pmpd:** 25,264#

**ISIP:** 2230 **5 min:**  **10 min:**  **FG:** .88

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$10,111

**TOTAL WELL COST:** \$273,482



Attachment G-1  
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**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 24, 2004 **Completion Day:** 03  
**Present Operation:** Completion **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBTD:** 5954' W.L.  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5422', 5241'  
**BP/Sand PBTD:** 5060', 4900'  
**BP/Sand PBTD:** 4791'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4716-4722'	4/24	CP1 sds	5758-5766'	4/32
C sds (NOT FRACED)	4872.5-4878.5'	4/20, 4/24			
B1 sds	4949-4954'	4/20			
A3 sds	5175-5180'	4/20			
LODC sds	5342-5350'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 23, 2004 **SITP:** \_\_\_\_\_ **SICP:** 1520

**Day 3(b):**

RU Patterson WLT & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 5' perf gun. Set plug @ 4900'. Perf stage #5 W/ 4" ported gun (22.7 gram prospector charges) as follows: C sds @ 4873-78' W/ 4 JSPF (all 1 run). RU BJ Services to frac C sds. Have quick leakoff first 8 times of pressuring up to 4400 psi, then slows to near none. RIH W/ dumpbailer & spot 8 gals 15% acid on perfs. RU BJ again W/ same results--fast leakoff first several tries & slowing to little. Run & dump second load of acid. RU BJ W/ virtually same results. RIH W/ 6' perf gun. Re-perf C sds (added 1/2' on each end) @ 4872.5-4878.5' W/ 4 JSPF (22.7 gram prospector charges). RU BJ. Have improved leakoff for 2 attempts, 3rd & 4th have very little. **Decision made to leave for now.** RU Patterson & run Weatherford 5 1/2" composite flow-through frac plug & 6' gun. Set plug @ 4791'. Perf stage #6 W/ 4" ported gun (22.7 gram prospector charges) as follows: D1 sds @ 4716-22' W/ 4 JSPF (all 1 run). RU BJ Services and frac D1 sds W/ 29,035# 20/40 sand in 299 bbls Lightning frac 17 fluid. Perfs broke down @ 3333 psi. Treated @ ave press of 2519 psi W/ ave rate of 25.3 BPM. ISIP- 2115 psi. RD BJ & WLT. Begin immediate flowback of fracs on 12/64 choke @ 1 BPM. Est 1725 BWTR.

**FLUID RECOVERY (BBLS)**

**Starting fluid load to be recovered:** 1426 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 299 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1725 **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning frac 17 **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** D1 sands  
 \_\_\_\_\_  
2400 gals of pad  
1875 gals W/ 1-5 ppg of 20/40 sand  
3669 gals W/ 5-8 ppg of 20/40 sand  
Flush W/ 4620 gals of slick water  
 \_\_\_\_\_  
 \_\_\_\_\_

**COSTS**

Weatherford frac plugs	\$4,400
Patterson - C/D1 sds	\$3,049
Betts frac wtr	\$640
IPC fuel gas	\$100
BJ Services -D1 sds	\$11,094
IPC supervision	\$100
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**Max TP:** 2862 **Max Rate:** 28.3 BPM **Total fluid pmpd:** 299 bbls  
**Avg TP:** 2519 **Avg Rate:** 25.3 BPM **Total Prop pmpd:** 29,035#  
**ISIP:** 2115 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .88  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$19,383  
**TOTAL WELL COST:** \$292,865



Attachment B-1

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**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16

**Report Date:** Jan. 28, 2004

**Completion Day:** 04

**Present Operation:** Completion

**Rig:** Basin #1

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBD:** 5988'  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 5922' **BP/Sand PBD:** 5988'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4716-4722'	4/24	CP1 sds	5758-5766'	4/32
C sds (NOT FRACED)	4872.5-4878.5'	4/20, 4/24			
B1 sds	4949-4954'	4/20			
A3 sds	5175-5180'	4/20			
LODC sds	5342-5350'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 27, 2004

**SITP:** \_\_\_\_\_ **SICP:** 600

1/23 & 1/24/2004--fracs flowed back 12 3/4 hrs & died. Rec 700 BTF (est 44% of combined frac loads of 1583 bbls).

1/26/2004. 600 psi SICP. MIRU Basin #1. Thaw wellhead & BOP W/ HO trk. Bleed well off to flat tank. Rec 40 BTF & stays flowing W/ large trace of oil & steady gas slugs. RU line to production tks. Left well flowing to tks on 20/64" positive choke.

1/27/2004. Rec 122 BTF in 14 hrs (est 107 BW & 15 BO). Well still flowing 5-6 BPH. Pull choke & leave well flowing to tks. Talley, drift, PU & TIH W/ used Varel tooth bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Ran tbg disk in bit sub & stripped tbg in hole through Washington head. Well flowed 95 BTF on TIH (est 80 BW & 15 BO). Tag sd @ 4673'. RU power swivel & rupture tbg disk. C/O sd & drill out composite bridge plugs as follows: sd @ 4673', plug @ 4791' in 9 mins; no sd, plug @ 4900' in 7 mins; no sd, plug @ 5060' in 10 mins; no sd, plug @ 5241' in 11 mins; sd @ 5361', plug @ 5422' in 7 mins. Con't swivelling jts in hole. Tag fill @ 5932'. Drill plug remains & sd to PBD @ 5988'. Circ hole clean. Lost est 101 BW & rec est 40 BO during cleanout. RD swivel. Pull EOT to 5922'. RU swab equipment. IFL @ sfc. Made 1 swab run rec 30 BW. FFL @ 100'+/-. Well not wanting to flow. SIFN W/ est 869 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 1725 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 856 **Oil lost/recovered today:** 70  
**Ending fluid to be recovered:** 869 **Cum oil recovered:** 70  
**IFL:** sfc **FFL:** 100'+/- **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** 0

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:**

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

Basin rig	\$4,168
Weatherford BOP	\$260
Zubiate HO trk	\$200
RNI wtr & truck	\$600
RNI wtr transfer	\$500
Aztec - new J55 tbg	\$16,660
Four Star swivel	\$450
IPC trucking	\$1,200
IPC flowback super	\$450
IPC supervision	\$300

**Max TP:** \_\_\_\_\_ **Max Rate:** \_\_\_\_\_ **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_ **Avg Rate:** \_\_\_\_\_ **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$24,788

**TOTAL WELL COST:** \$317,653



Attachment 6-1  
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**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 29, 2004 **Completion Day:** 05

**Present Operation:** Completion **Rig:** Basin #1

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# **@:** 6015' **Csg PBTD:** 5988'  
**Tbg:** Size: 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Anchor @:** 5730' **BP/Sand PBTD:** 5988'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4716-4722'	4/24	CP1 sds	5758-5766'	4/32
C sds (NOT FRACED)	4872.5-4878.5'	4/20, 4/24			
B1 sds	4949-4954'	4/20			
A3 sds	5175-5180'	4/20			
LODC sds	5342-5350'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 28, 2004 **SITP:** 175 **SICP:** 175

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed pressure off well. Rec 28 BTF (est 10 BO & 18 BW). RU swab equipment. IFL @ sfc. Made 9 runs rec 151 BTF (est 131 BW & 20 BO) W/ good gas & very light tr sd. FFL @ sfc but well won't flow steady. FOC @ 15%. TIH W/ tbg. Tag sd @ 5986' (2' new fill). C/O sd to PBTD @ 5988'. Circ hole clean. Lost est 123 BW & rec add'l 25 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new Randys' 5 1/2" TA (45K) & 173 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Strip off frac head & strip on 3M production tbg head. Set TA @ 5730' W/ SN @ 5766' & EOT @ 5833'. Land tbg W/ 16,000# tension. NU wellhead. SIFN W/ est 843 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 869 **Starting oil rec to date:** 70  
**Fluid lost/recovered today:** 26 **Oil lost/recovered today:** 55  
**Ending fluid to be recovered:** 843 **Cum oil recovered:** 125  
**IFL:** sfc **FFL:** sfc **FTP:** Choke: **Final Fluid Rate:** Final oil cut: 15%

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

KB	12.00'		Basin rig	\$3,296
173	2 7/8 J-55 tbg (5718.05')		Weatherford BOP	\$130
	TA (2.80' @ 5730.05' KB)		Zubiate HO trk	\$169
1	2 7/8 J-55 tbg (33.00')		Randys' TA	\$450
	SN (1.10' @ 5765.85' KB)		Randys' SN	\$70
2	2 7/8 J-55 tbg (65.95')		Monks pit reclaim	\$1,200
	2 7/8 NC (.45')		RNI wtr disposal	\$3,000
EOT	5833.35' W/ 12' KB		IPC sfc equipment	\$70,000
			IPC labor & welding	\$8,000
			Mt. West sanitation	\$400
			IPC supervision	\$300

**DAILY COST:** \$87,015

**Completion supervisor:** Gary Dietz

**TOTAL WELL COST:** \$404,668



Attachment 6-1  
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**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah Federal 4-11-9-16 **Report Date:** Jan. 30, 2004 **Completion Day:** 06  
**Present Operation:** Completion **Rig:** Basin #1

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 305' **Prod Csg:** 5 1/2 **Wt:** 15.5# @ 6015' **Csg PBDT:** 5988'  
**Tbg:** Size: 2 7/8 **Wt:** 6.5# **Grd:** J-55 **Anchor @:** 5730' **BP/Sand PBDT:** 5988'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4716-4722'	4/24	CP1 sds	5758-5766'	4/32
C sds (NOT FRACED)	4872.5-4878.5'	4/20, 4/24			
B1 sds	4949-4954'	4/20			
A3 sds	5175-5180'	4/20			
LODC sds	5342-5350'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Jan. 29, 2004 **SITP:** 175 **SICP:** 175

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed pressure off well. Rec 3 bbls. Flush tbg w/ 35 bbls water. Pick-up & prime pump. TIH w/ 2-1/2" x 1-1/2" x 12' x 16' RHAC Randy's pump, 6 - 1-1/2" K-bars, 10 - 3/4" guided rods, 114 3/4" plain rods, 100 - 3/4" guided rods, 4', 8' x 3/4" pony rods, 1-1/2" x 22' polish rod. Space pump. Test tbg and pump to 800 psi w/ 2 bbls water. RDMOSU. POP @ 2 PM w/ 75" SL @ 6 SPM w/ 883 bbls EWTR.

Final report.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 843 **Starting oil rec to date:** 125  
**Fluid lost/recovered today:** 40 **Oil lost/recovered today:** 0  
**Ending fluid to be recovered:** 883 **Cum oil recovered:** 125  
**IFL:**          **FFL:**          **FTP:**          **Choke:**          **Final Fluid Rate:**          **Final oil cut:**         

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

TUBING DETAIL		ROD DETAIL		COSTS	
KB	12.00'	2-1/2"x1-1/2"x12'x16' RHAC		Basin rig	\$2,060
173	2 7/8 J-55 tbg (5718.05')	Randy's pump (new)		IPC Supervisor	\$300
	TA (2.80' @ 5730.05' KB)	6 - 1-1/2" weight bars (new)		Zubiate HO trk	\$880
1	2 7/8 J-55 tbg (33.00')	10 - 3/4" guided rds (new)		IPC frac head	\$500
	SN (1.10' @ 5765.85' KB)	114 - 3/4" pln rds (new)		IPC frac valve	\$175
2	2 7/8 J-55 tbg (65.95')	100 - 3/4" guided rds (new)		IPS swab tnk(1x4day)	\$160
	2 7/8 NC (.45')	4',8' x 3/4" pny rds (new)		Polish rod kit	\$1,100
EOT	5833.35' W/ 12' KB	1-1/2" x 22' polish rd (new)		rod string "A" grade	\$9,600
				IPC frac tnks(6x8days)	\$1,920
				IPC trucking	\$500
				Randy's pump	\$1,100

**DAILY COST:** \$18,295

**Completion supervisor:** Ron Shuck

**TOTAL WELL COST:** \$422,293

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4666'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 179' 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 Pumo 41 sx Class "G" Cement down 5-1/2" casing to 355'

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

# Jonah Federal #4-11-9-16

Spud Date: 1/2/03  
 Put on Production: 1/29/04  
 GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
 78 MCFD, 5 BWPD

## Proposed P&A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.88')  
 DEPTH LANDED: 304.88'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

Cement top @ 102'  
 Casing shoe @ 305'

Pump 41sx Class "G" Cement down 5-1/2" casing to 355'

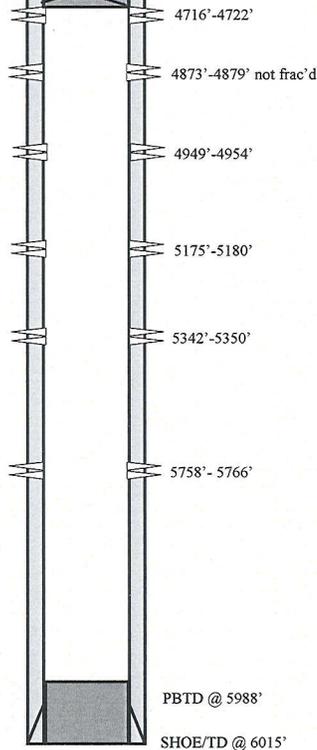
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (6016.67')  
 DEPTH LANDED: 6014.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premlite II and 400 sxs 50/50 POZ  
 CEMENT TOP AT: 102'

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1423'-1543')

179' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2800'-2979')

100' (12 sx) Class G Cement plug on top of CIBP  
 CIBP @ 4666'



**Jonah Federal #4-11-9-16**  
 864 FNL & 711 FWL  
 NWNW Section 11-T9S-R16E  
 Duchesne County, Utah  
 API #43-013-32279; Lease #U-096550

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

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

864 FNL 711 FWL

NWNW Section 11 T9S R16E

5. Lease Serial No.

USA UTU-096550

6. If Indian, Allottee or Tribe Name.

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

GMBU

8. Well Name and No.

JONAH 4-11-9-16

9. API Well No.

4301332279

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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)

Eric Sundberg

Title

Regulatory Analyst

Signature

Date

3/12/10

**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-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, 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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Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East  
Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East  
Monument Federal 32-1J-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East  
South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 11, Township 9 South, Range 16 East  
Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East  
Federal 1-23-9-16 well located in NE/4 NE/4, Section 23, 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 Gil Hunt, Associate Director, 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 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Gil Hunt  
Associate Director

**Newfield Production Company**

**HAWKEYE 14-23-8-16, MONUMENT BUTTE 4-26-8-16, MONUMENT BUTTE FEDERAL 10-26-8-16,  
MONUMENT BUTTE FEDERAL 1-14-9-16, MONUMENT FEDERAL 32-1J-9-16, SOUTH WELLS  
DRAW FEDERAL 2-3-9-16, SOUTH WELLS DRAW FEDERAL 8-3-9-16, JONAH FEDERAL 4-11-9-16,  
JONAH UNIT 4-12-9-16, FEDERAL 1-23-9-16.**

**Cause No. UIC-363**

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)

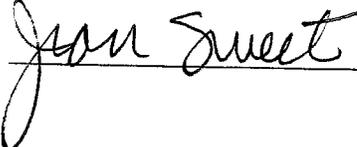
Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

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

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREG BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

March 25, 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-363

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*

GREG BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

March 25, 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-363

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

**From:** Bonnie <bonnie@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 3/26/2010 11:33 AM  
**Subject:** UIC 363

Jean,  
Notice of Agency Action UIC 363 will publish on March 30th.  
Thank you,

--  
Bonnie Parrish  
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
(435) 722-5131  
(435) 722-4140 Fax  
bonnie@ubstandard.com

**Order Confirmation for Ad #0000561251-01**

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

**Ad Content Proof Actual Size**

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 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
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Dated this 25th day of March, 2010.

STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/Gil Hunt  
 Associate Director  
 561251

UPAXLP

<b>Total Amount</b>	<b>\$250.28</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$250.28</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	20100325	

**Confirmation Notes:**

**Text:**

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 73 Li	<NONE>

**Product** Salt Lake Tribune:: **Placement** Legal Liner Notice - 0998

**Scheduled Date(s):** 03/30/2010

**Product** Deseret News:: **Placement** Legal Liner Notice - 0998

**Scheduled Date(s):** 03/30/2010

**Product** sltrib.com:: **Placement** Legal Liner Notice - 0998

**Scheduled Date(s):** 03/30/2010

**Product** utahlegals.com:: **Placement** utahlegals.com

**Scheduled Date(s):** 03/30/2010

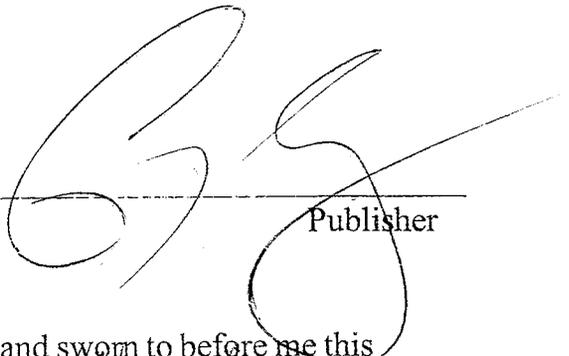
**From:** "Valdez-Carruther, Justina" <jvaldez@mediaoneutah.com>  
**To:** <JSWEET@utah.gov>  
**Date:** 3/26/2010 12:05 PM  
**Subject:** 20100325  
**Attachments:** OrderConf.pdf

MAR 30

# AFFIDAVIT OF PUBLICATION

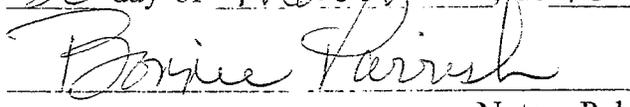
County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 30 day of March, 20 10, and that the last publication of such notice was in the issue of such newspaper dated the 30 day of March, 20 10, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

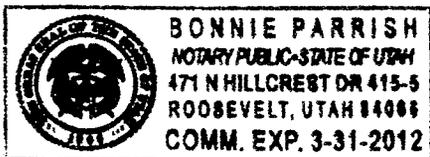


Publisher

Subscribed and sworn to before me this 30 day of March, 20 10



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

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 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East

Monument Federal 32-1J-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East

South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/

Gil Hunt

Associate Director

Published in the Uintah Basin Standard March 30, 2010.

and sworn to before me this  
of March, 2010  
Bonnie Parrish

Notary Public

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

Greater Monument  
Butte Unit:

Hawkeye 14-23-8-16  
well located in SE/4  
SW/4, Section 23, Town-  
ship 8 South, Range 16  
East

Monument Butte 4-  
26-8-16 well located in  
NW/4 NW/4, Section 26,  
Township 8 South, Range  
16 East Monument Butte  
Federal 10-26-8-16 well  
located in NW/4 SE/4,  
Section 26, Township 8  
South, Range 16 East

Monument Butte  
Federal 1-14-9-16 well  
located in SW/4 SW/4,

Section 1, Township 9  
South, Range 16 East

Monument Federal  
32-1J-9-16 well located  
in SW/4 NE/4, Section 1,  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
Township 9 South, Range  
16 East

South Wells Draw Fed-  
eral 8-3-9-16 well located  
in SE/4 NE/4, Section 3,  
Township 9 South, Range  
16 East **Jonah Federal 4-  
11-9-16** well located in  
NW/4 NW/4, Section 11,  
Township 9 South, Range  
16 East

Jonah Unit 4-12-9-16  
well located in NW/4  
NW/4, Section 12, Town-  
ship 9 South, Range 16  
East

Federal 1-23-9-16 well  
located in NE/4 NE/4,  
Section 23, Township 9  
South, Range 16 East

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

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maximum  
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determined based on frac-  
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submitted by Newfield  
Production Company.

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or otherwise intervene in  
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intervention with the Di-  
vision within fifteen days  
following publication of  
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Presiding Officer for the  
proceeding is Gil Hunt,  
Associate Director, 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

Dated this 25th day of  
March, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/

Gil Hunt

Associate Director

Published in the Uintah  
Basin Standard March 30,  
2010.

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

CUSTOMER'S COPY

PROOF OF PUBLICATION

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	3/31/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000561251 /		
SCHEDULE			
Start 03/30/2010		End 03/30/2010	
CUST. REF. NO.			
20100325			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINI			
SIZE			
73	Lines	2.00	COLUMN
TIMES	RATE		
4			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
250.28			

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, 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:  
Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East  
Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East  
Federal 10-26-8-16 well located in NW/4 SE/4, Section 26, Township 8 South, Range 16 East  
Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East  
Monument Federal 32-11-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East  
South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East  
Jonah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East  
Federal 1-23-9-16 well located in NE/4 NE/4, Section 2, 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 Gil Hunt, Associate Director, 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 rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 25th day of March, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Gil Hunt  
Associate Director  
561251

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 03/30/2010 End 03/30/2010

SIGNATURE *[Handwritten Signature]*

DATE 3/31/2010

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**

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

**Applicant:** Newfield Production Company      **Well:** Jonah Federal 4-11-9-16

**Location:** 11/9S/16E      **API:** 43-013-32279

**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 and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 305 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,015 feet. A cement bond log demonstrates adequate bond in this well up to 3,114 feet. A 2 7/8 inch tubing with a packer will be set at 4,666 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells, 1 shut-in well, 3 P/A wells, and 4 injection wells in the area of review (AOR). In addition, there is 1 well currently being directionally drilled from a surface location outside the AOR to a bottom hole location inside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the Monument Federal 13-11J-9-16 (API # 43-013-15790), Monument Federal 12-11J-9-16 (API # 43-013-31417), and Walton Federal 4 (API # 43-013-15795), all located within the AOR, appear to have inadequate cement for the proposed injection interval. The most limiting of these wells is Monument Federal 13-11J-9-16, which is a shut-in well. Its CBL (6/29/1994) indicates a cement top at about 4,585 feet. To protect these wellbores Newfield will not perforate the Jonah Federal 4-11-9-16 above 4,674 feet (see next paragraph). 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 1800 feet. The requested injection interval is between 3,988 feet and 6,015 feet in the Green River Formation. However, the top of acceptable cement is at about 4,585 feet in the Monument Federal 13-11J-9-16 well (API # 43-013-15790), located within the AOR approximately ½ mile south of the Jonah Federal 4-11 well. This cement top correlates to a depth of approximately 4,590 feet in the Jonah 4-11 well. For this reason, as well as for other low (calculated) cement tops in the south half of the AOR, it is

**Jonah Federal 4-11-9-16**  
**page 2**

suggested that the top of the injection interval be permitted no higher than the top of the sandy interval at a log depth of 4,674 feet (cement bond log) in the Jonah Federal 4-11-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 4-11-9-16 well is 0.78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,963 psig. The requested maximum pressure is 1,963 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date 5/11/10



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*

May 17, 2010

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

Subject: Greater Monument Butte Unit Well: Jonah 4-11-9-16, Section 11, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32279

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 4,674 feet in the Jonah Federal 4-11 well.



Page 2

Jonah 4-11-9-16

May 17, 2010

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,

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

Gil Hunt  
Associate Director

GLH/MLR/js

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-096550

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
JONAH 4-11-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332279

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: 864 FNL 711 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 11, 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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<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 02/15/2011.

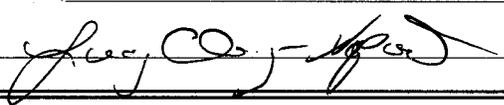
On 02/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/18/2011 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 120 psig during the test. There was not an State representative available to witness the test.

API# 43-013-32279

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 02/23/2011

(This space for State use only)

**RECEIVED**  
**MAR 01 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.

**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 area code)  
                   435 646 3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
                   864 FNL 711 FWL  
                   NWNW Section 11 T9S R16E

5. Lease Serial No.  
 USA UTU-096550

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 JONAH 4-11-9-16

9. API Well No.  
 4301332279

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

11. County or Parish, State  
 DUCHESNE, UT

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

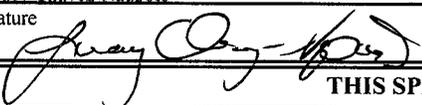
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	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 02/15/2011.

On 02/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/18/2011 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 120 psig during the test. There was not an State representative available to witness the test.

API# 43-013-32279

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Administrative Assistant
Signature 	Date 02/23/2011

**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**  
**MAR 01 2011**  
 DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****JONAH 4-11-9-16****12/1/2010 To 4/28/2011****2/15/2011 Day: 1****Conversion**

WWS #7 on 2/15/2011 - MIRU Western rig #7. LD rod string & pump. Start TOH W/ production tbg. - MIRU Western rig #7. 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/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 5730'. 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:** \$45,639

---

**2/16/2011 Day: 2****Conversion**

WWS #7 on 2/16/2011 - Con't TOH W/ production tbg. TIH W/ packer & test injection string. Set & test packer. RDMOSU. - RU HO trk & flush tbg 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 35 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 141 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 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4668', CE @ 4672' & EOT @ 4676'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU.

**Daily Cost:** \$0**Cumulative Cost:** \$52,117

---

**2/22/2011 Day: 3****Conversion**

Rigless on 2/22/2011 - Conversion MIT - On 2/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the Conversion MIT on the above listed well (Jonah 4-11-9-16). On 2/18/2011 the csg was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test The tbg pressure was 120 psig during the test. There was not a State representative available to witness the test. Final Report API# 43-013-32279 **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$77,437

---

**Pertinent Files: Go to File List**

Mechanical Integrity Test  
Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 2/18/2011 Time 10:00 am pm  
Test Conducted by: Rowdy Cloward  
Others Present: \_\_\_\_\_

Well: <u>Jonah 4-11-9-16</u>	Field: <u>Newfield Monument Butte</u>
Well Location: <u>Jonah 4-11-9-16</u> <u>NW/NE Sec 11, T9S, R16E</u> <u>Duchesne County, UT UTL 87538X</u>	API No: <u>43-013-32279</u>

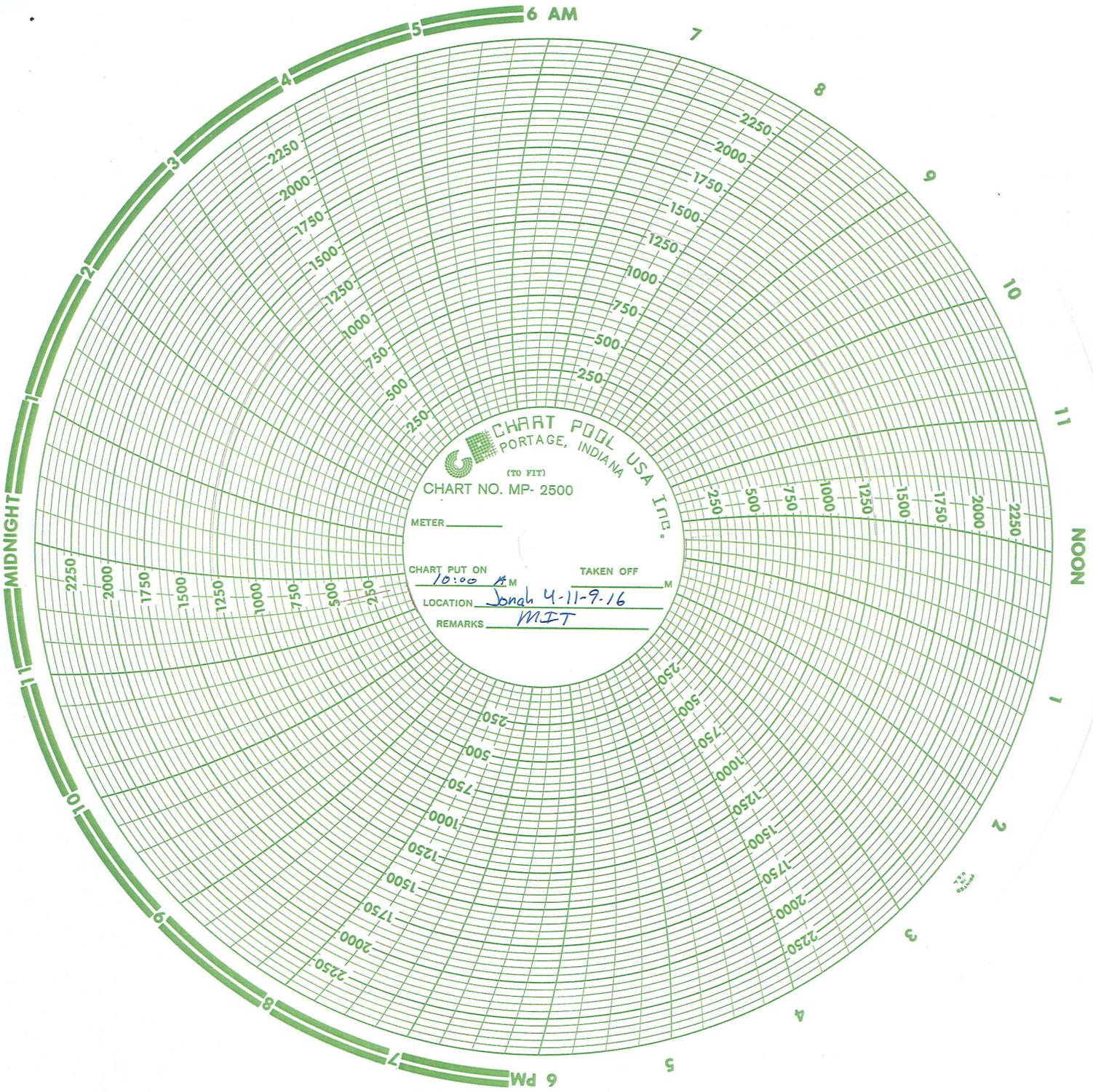
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1240</u>	psig
5	<u>1240</u>	psig
10	<u>1240</u>	psig
15	<u>1240</u>	psig
20	<u>1240</u>	psig
25	<u>1240</u>	psig
30 min	<u>1240</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 120 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Rowdy Cloward



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

METER \_\_\_\_\_  
CHART PUT ON 10:00 AM TAKEN OFF \_\_\_\_\_  
LOCATION Jonah 4-11-9-16  
REMARKS MIT

MADE IN U.S.A.



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

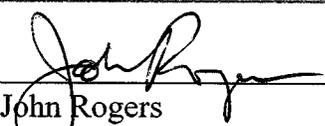
Cause No. UIC-363

**Operator:** Newfield Production Company  
**Well:** Jonah Federal 4-11-9-16  
**Location:** Section 11, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32279  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 17, 2010.
2. Maximum Allowable Injection Pressure: 1,963 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,674' – 6,015')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

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

  
John Rogers  
Associate Director

\_\_\_\_\_  
Date

3/2/2011

JR/MLR/js

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

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-096550

**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 4-11-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332279

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

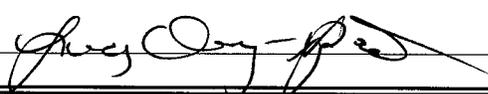
4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 864 FNL 711 FWL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 11, T9S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will <u>03/16/2011</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put on Injection
	<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 above reference well was put on injection at 9:00 AM on 03/16/2011.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Water Services Technician  
SIGNATURE  DATE 03/16/2011

(This space for State use only)

**RECEIVED**  
**MAR 21 2011**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
USA UTU-096550

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
JONAH 4-11-9-16

9. API Well No.  
4301332279

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

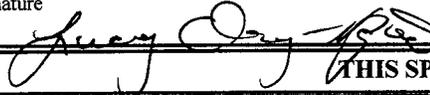
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
864 FNL 711 FWL  
NWNW Section 11 T9S R16E

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

The above reference well was put on injection at 9:00 AM on 03/16/2011.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Water Services Technician
Signature 	Date 03/16/2011

**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

Spud Date: 1/2/03  
 Put on Production: 1/29/04  
 GL: 5552' KB: 5564'

# Jonah Federal 4-11-9-16

Initial Production: 56 BOPD,  
 78 MCFD, 5 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294.88')  
 DEPTH LANDED: 304.88'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs class G cement, est 11 bbls to surf.

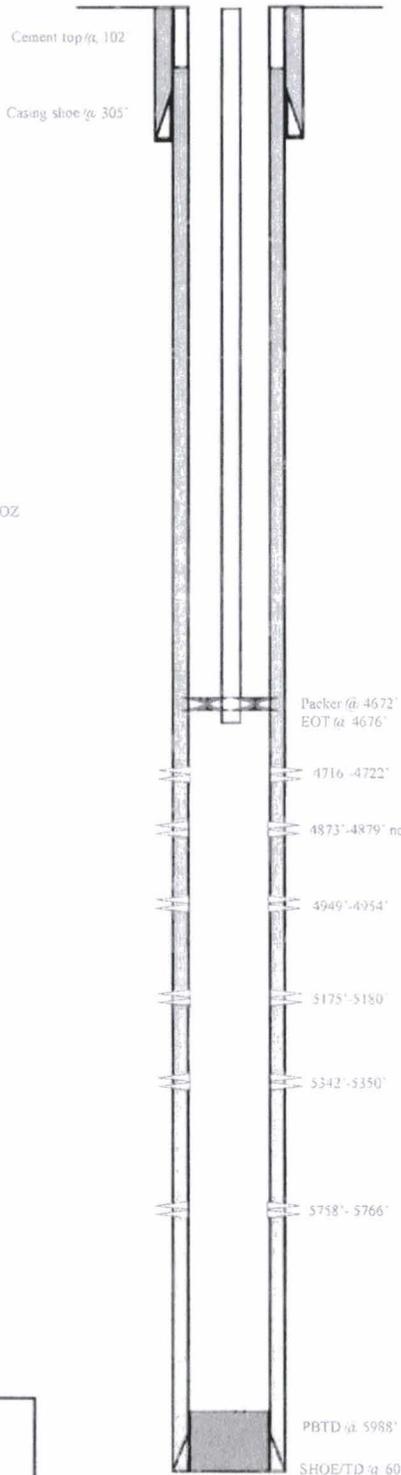
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts (6016.67')  
 DEPTH LANDED: 6014.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem-lite II and 400 sxs 50-50 POZ  
 CEMENT TOP AT: 102'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4655.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4667.7' KB  
 CE @: 4672.0'  
 TOTAL STRING LENGTH: 4676' W-12' KB

Injection Wellbore  
 Diagram



## FRAC JOB

01/22/04 5758'-5766' **Frac CPI sands as follows:**  
 30.019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765 psi w/avg rate of 24.8 BPM. ISIP-2600. Calc. flush: 5756 gals. Actual flush: 5250 gals.

01/22/04 5342'-5350' **Frac LODC sands as follows:**  
 39.662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.

01/22/04 5175'-5180' **Frac A3 sands as follows:**  
 24.875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4850 gals.

01/23/04 4949'-4954' **Frac B1 sands as follows:**  
 25.264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.

01/23/04 4716'-4722' **Frac D1 sands as follows:**  
 29.035# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.

02/15/11  
 Conversion to Injection well.

02/18/11  
 Conversion MIT finalized - update tbg detail.

## PERFORATION RECORD

Date	Interval	ISPF	Holes
01/21/04	5758'-5766'	4 ISPF	32 holes
01/22/04	5342'-5350'	4 ISPF	32 holes
01/22/04	5175'-5180'	4 ISPF	20 holes
01/22/04	4949'-4954'	4 ISPF	20 holes
01/23/04	4873'-4879'	4 ISPF	20 holes
01/23/04	4872.5'-4878.5'	4 ISPF	24 holes
01/23/04	4716'-4722'	4 ISPF	24 holes

**NEWFIELD**

Jonah Federal 4-11-9-16

864 FNL & 7H FWL

NWNW Section 11-T9S-R16E

Duchesne County, Utah

API # 43-013-32279, Lease # U-096550

<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-096550
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</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>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> JONAH 4-11-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013322790000
<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> 0864 FNL 0711 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 11 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: 2/4/2016	<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
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

On 02/01/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 02/04/2016 the casing was pressured up to 1125 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1537 psig during the test. There was a State representative available to witness the test - Amy Doebele.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
February 08, 2016**

<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> 2/8/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Amy Doebele Date 2/4/16 Time 11:15 am pm

Test Conducted by: Michael Jensen

Others Present: Dustin Bennett, Hal Richins, Evan Mathisen

Well: <u>Jonah 4-11-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NW/10W Sec. 11, T9S, R16E</u>	API No: <u>43-013-32279</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1125</u>	psig
5	<u>1125</u>	psig
10	<u>1125</u>	psig
15	<u>1125</u>	psig
20	<u>1125</u>	psig
25	<u>1125</u>	psig
30 min	<u>1125</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1537 psig

Result: Pass Fail

Signature of Witness: Amy Doebele

Signature of Person Conducting Test: Michael Jensen

