

July 25, 2000

United States Department of Interior  
Bureau of Land Management - Vernal District Office  
Attention: Margie Herrmann  
170 South 500 East  
Vernal, Utah 84078-2799

RE: Ashley Federal #5-12-9-15  
Jonah Unit #4-12-9-16  
Duchesne County, Utah

Dear Ms. Herrmann:

Enclosed please find enclosed the two Applications for Permits to Drill on the wells listed above, submitted in triplicate, for your review and approval. The appropriate Archeological Surveys and/or Paleontological surveys for these wells are also enclosed.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Joyce McGough  
Regulatory Technician

Enclosures: Form 3160-3 and attachments (3 copies of each)  
Archaeological Survey/Paleontological Survey

cc: State of Utah  
Division of Oil, Gas & Mining  
ATTN: Lisha Cordova  
1594 West North Temple – Suite 1210  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
JUL 28 2000  
BUREAU OF LAND MANAGEMENT  
OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NO.

**U-096550**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**N/A**

**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

7. UNIT AGREEMENT NAME

**Jonah**

8. FARM OR LEASE NAME

**Jonah Unit**

2. NAME OF OPERATOR

**Inland Production Company**

9. WELL NO.

**#4-12**

3. ADDRESS OF OPERATOR

**410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102**

10. FIELD AND POOL OR WILDCAT

**Monument Butte**

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

At Surface **NW/NW**  
At proposed Prod. Zone **660' FNL and 660' FWL**

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA  
**Sec. 12, T9S, R16E**

*4433597 N  
578981 E*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**Approximately 13 miles southwest of Myton, Utah**

12. COUNTY

**Duchesne**

13. STATE

**Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

**6500'**

**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

**5516.1' GR**

22. APPROX. DATE WORK WILL START\*

**4th Quarter, 2000**

**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 for Application of Permit to Drill are also attached.**

**Please note: On January 15, 1998; the Balcron Monument Federal 11-12J was re-named the Jonah Unit #4-12-9-16.**

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 Joyce D. McGough TITLE Regulatory Technician DATE July 25, 2000  
Joyce McGough

(This space for Federal or State office use)

PERMIT NO. 43-013-32180 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 RECLAMATION DATE 8/7/00

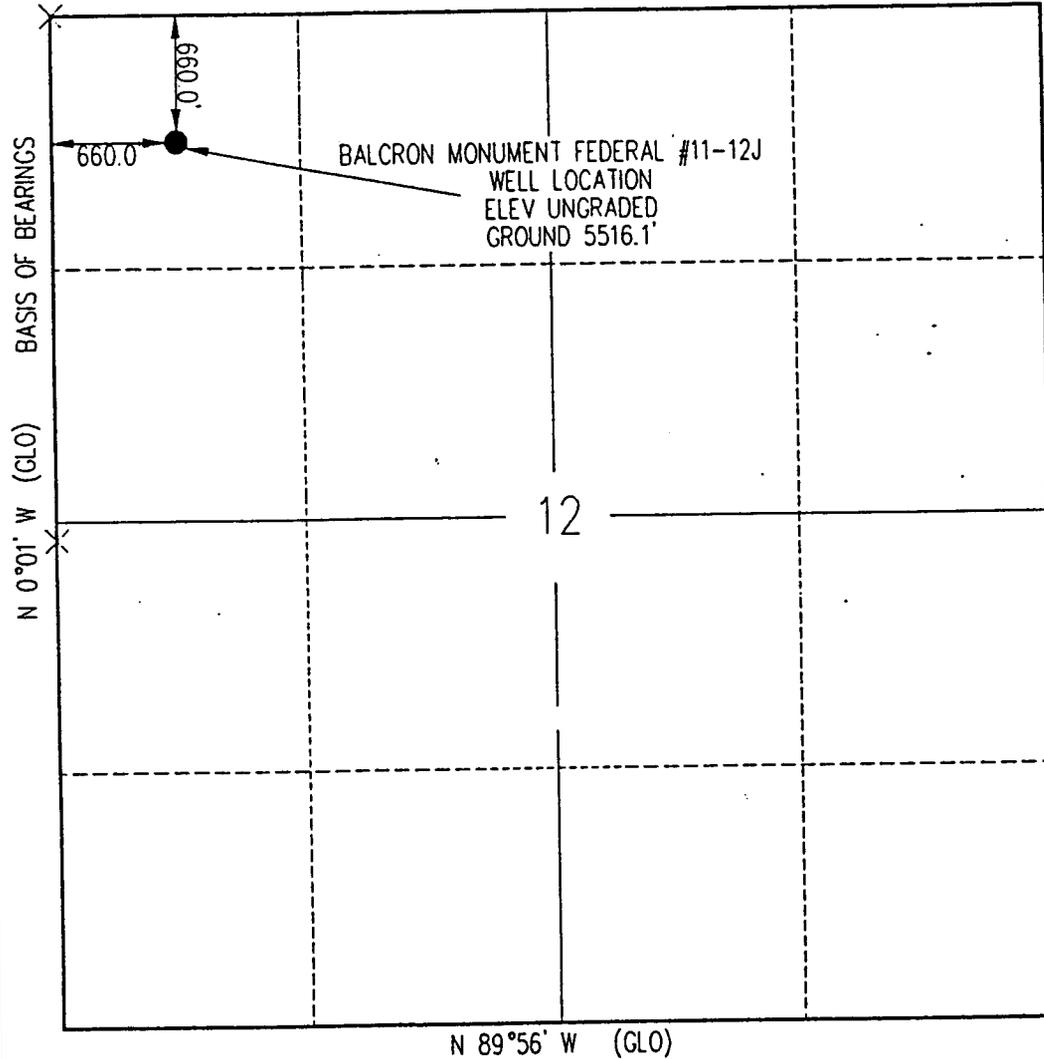
**Federal Approval of this  
Action is Necessary**

**\*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.

N 89°59' W (GLO)

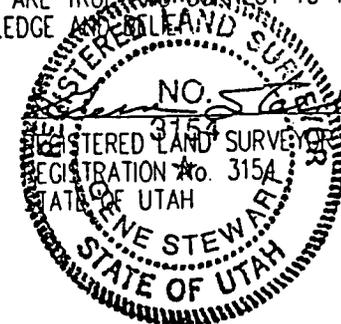


EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #11-12J, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 12, 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.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 9/30/93
SCALE: 1" = 1000'
SURVEYED BY: GS OS
FILE: MF 11-12J



INLAND PRODUCTION COMPANY  
Jonah Unit #4-12-9-16  
NW NW Section 12, 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 – 1587'
Green River	1587'
Wasatch	6500'

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

Green River Formation 1587' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Please refer to the Monument Butte Field SOP.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

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

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 Unit #4-12-9-16  
NW NW Section 12, 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 Unit #4-12-9-16) located in the NW NW of Section 12, T9S, R16E, Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Sand Wash road; proceed southerly along this road 9.3 miles to its intersection with the Monument Butte gas plant road. Turn right and continue 4.0 miles to another road intersection. Turn left and proceed 0.2 miles to another road intersection; turn left and continue 0.7 miles to the beginning of the proposed access road.

2. **PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

3. **LOCATION OF EXISTING WELLS**

Refer to Exhibit "D"

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 "C".

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. See Exhibit "E".

8. **ANCILLARY FACILITIES:**

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY  
Jonah Unit #4-12-9-16  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah

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). Refer to Exhibits "E" and "E-1".

10. **PLANS FOR RESTORATION OF SURFACE:**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the Jonah Unit #4-12-9-16 to allow for construction of a 6" poly 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 OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

**Representative:**

Name: Joyce I. McGough  
Address: 410 Seventeenth Street  
Suite 700  
Denver, CO 80202  
Telephone: (303) 893-0102

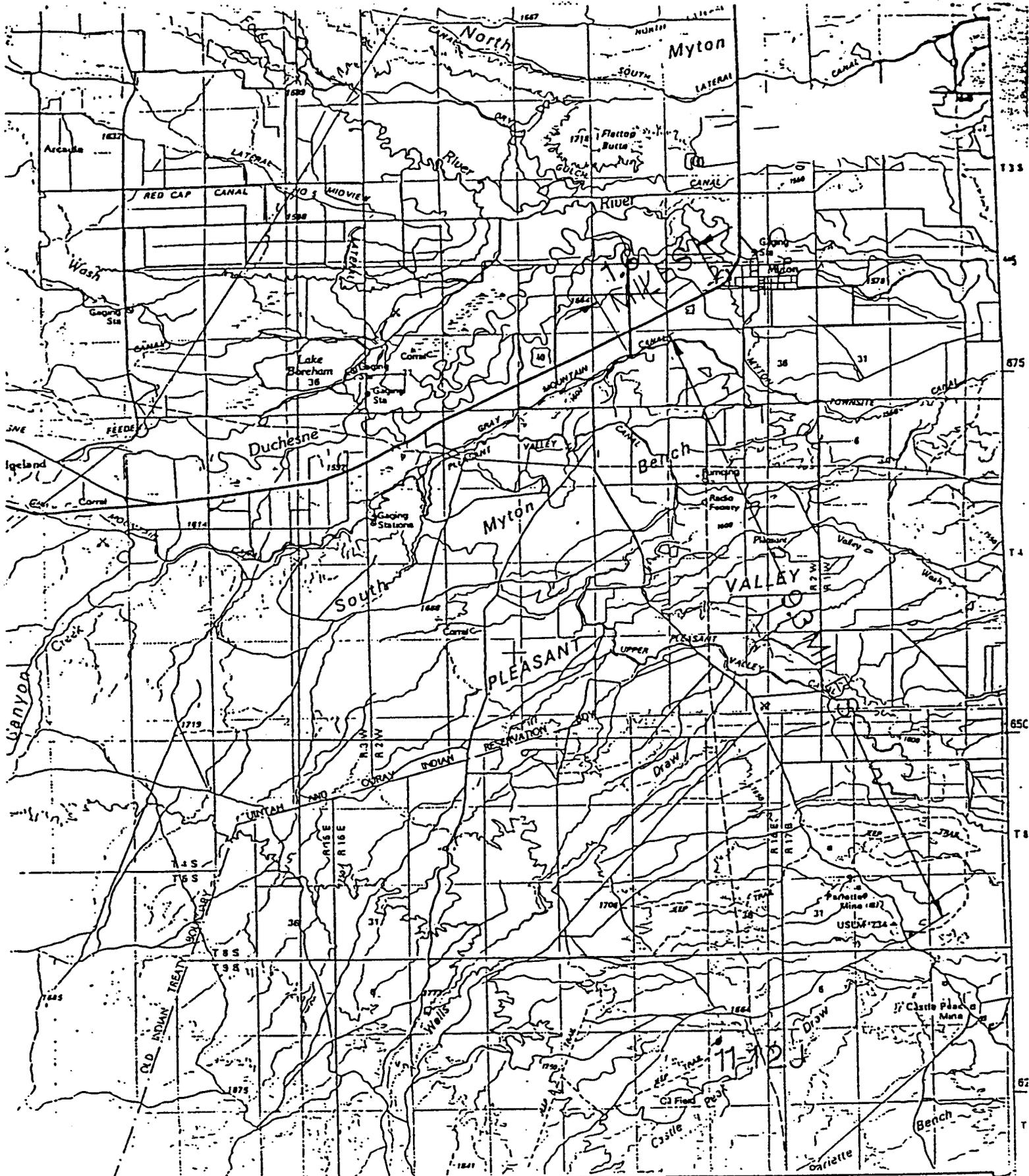
**Certification:**

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well Jonah Unit #4-12-9-16; NW NW Section 12, T9S, R16E, 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 drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. 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 the 18 U.S.C. 1001 for the filing of a false statement.

July 25, 2000  
Date

Joyce I. McGough  
Joyce McGough  
Regulatory Technician

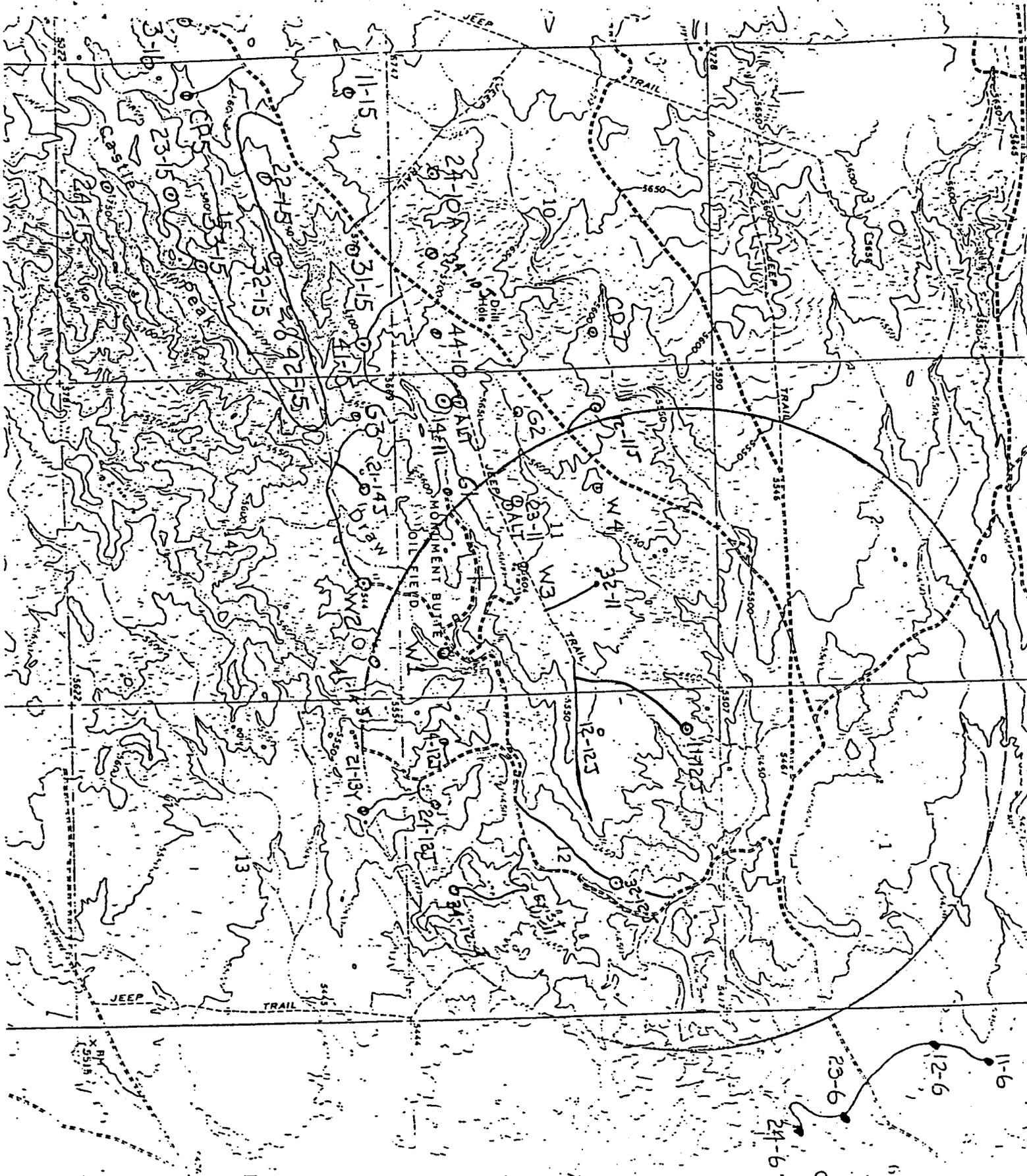


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #11-12J  
 MAP "A"

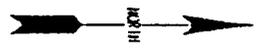






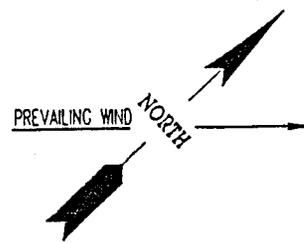
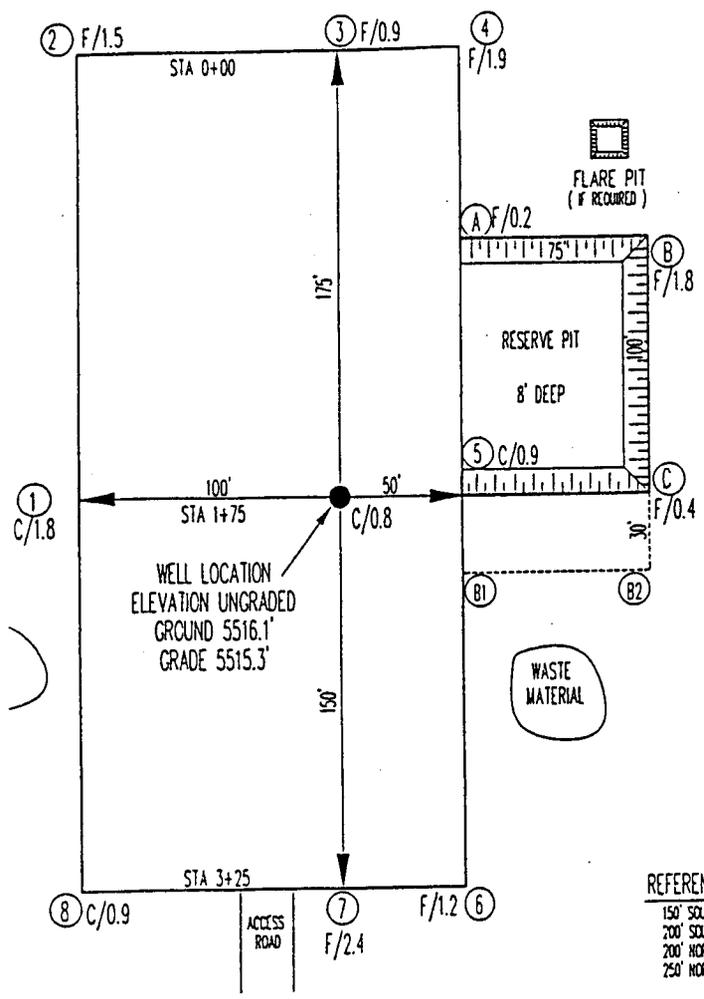


EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #11-12J  
 EXHIBIT "D"



TRI-STATE  
 LAND SURVEYING, INC.  
 35 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501

**EQUITABLE RESOURCES ENERGY CO.**  
BALCRON MONUMENT FEDERAL #11-12J



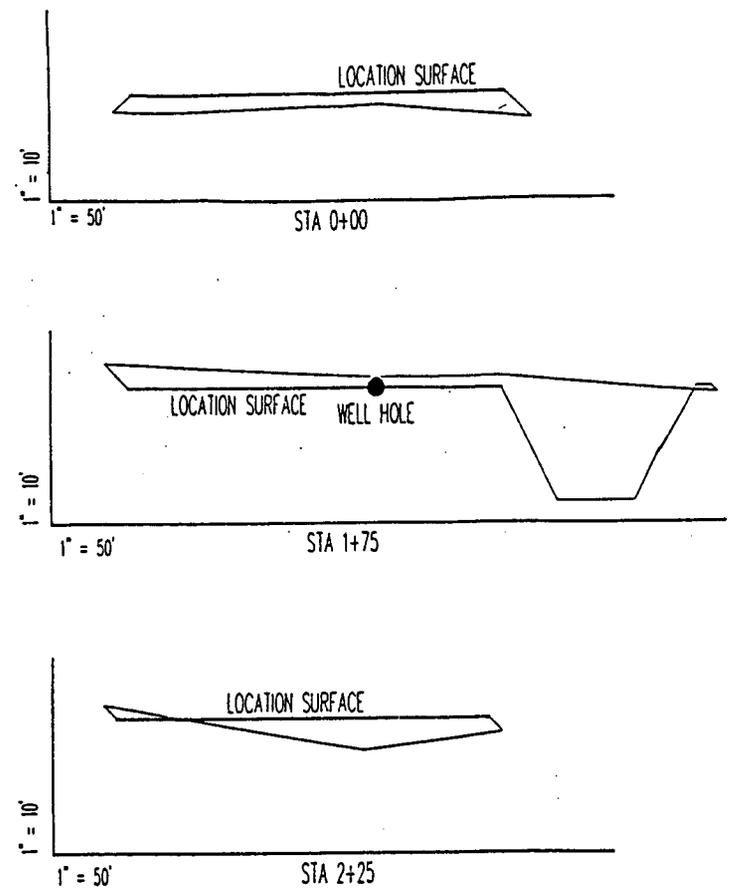
SCALE 1" = 50'

REFERENCE POINTS

150' SOUTHWEST	5517.8'
200' SOUTHWEST	5518.3'
200' NORTHWEST	5514.7'
250' NORTHWEST	5513.0'

APPROXIMATE YARDAGE

CUT	= 5626 Cu Yds
FILL	= 5093 Cu Yds
PIT	= 1826 Cu Yds

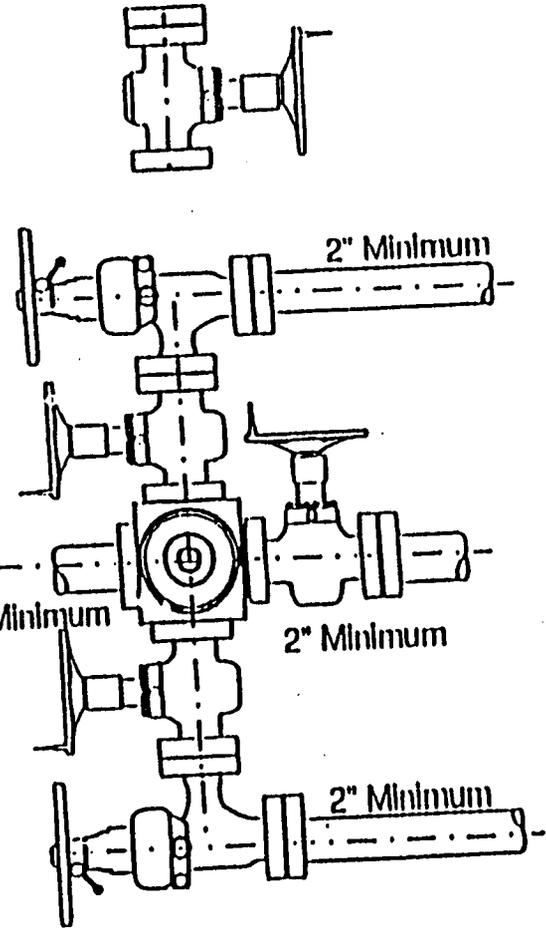
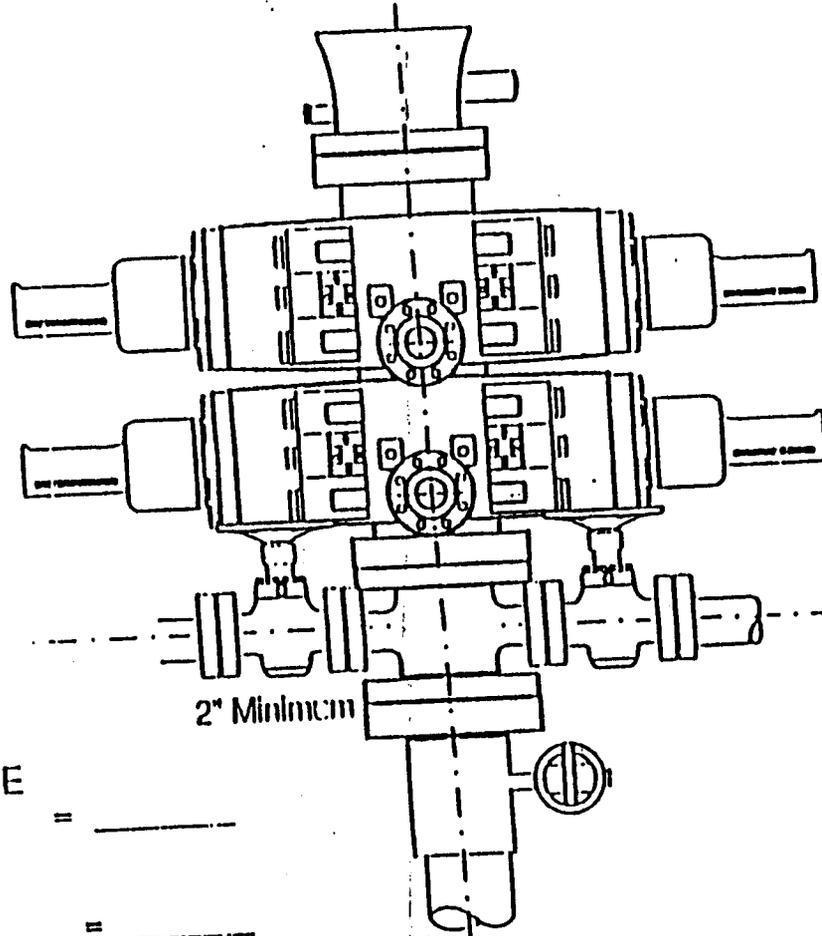


**TRI-STATE**  
**LAND SURVEYING, INC.**  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

EXHIBIT "E"

B.O.P.

# 2-M SYSTEM



) CLOSE  
 ar BOP = \_\_\_\_\_  
 ype BOP  
 arms x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

iding off to the next higher  
 ment of 10 gal. would require  
 ... Gal. (total fluid & nitro volume)

EXHIBIT F

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Jonah 4-12-9-16

API Number: \_\_\_\_\_

Lease Number: U-096550

Location: NWNW Sec. 12 T. 09S R. 16E

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.

Drilling Operations

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water identified at ± 1431 ft.

## SURFACE USE PROGRAM

### Location Reclamation

The following seed mixture will be used on the reclamation of the reserve pit and for final reclamation:  
(All poundages are in Pure Live Seed)

bud sage	Artemisia spinescens	3 lbs/acre
shadscale	Atriplex confertifolia	4 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre
indian ricegrass	Oryzopsis hymenoides	2 lbs/acre

When the reserve pit is reclaimed a small amount of topsoil will be acquired from the stockpiled topsoil and spread evenly over the reserve pit area and then seeded.

### Other information

#### Mountain Plover

This is a previously constructed well location. If the location or access road is reworked with equipment or at the time of drilling the following shall occur. According to the timeframes listed on the following chart and prior to new construction and drilling activities, a detailed survey of the area within 0.5 mile of a proposed location and 300 feet either side of the center line of a proposed access route will be made by BLM or a qualified biologist to detect the presence of plovers. Extreme care shall be exercised to locate plovers due to their highly secretive and quiet nature. Where possible, the survey shall first be made from a stationary vehicle. All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

The surveys will be conducted no more than 14 days prior to the date actual construction or drilling activities begin. If two surveys are required, they will be made at least 14 days apart with the last survey no more than 14 days prior to the start-up date.

If an active nest or chicks are found in the area, the planned activity will be delayed until the chicks are out of downy plumage; the brood vacates the area of influence; or, the nest has failed.

Grading activities and new road construction will be minimized from May 25 through June 30.

Raptor Habitat

If this is a producing oil well the pump motor shall be equipped with a multicylinder engine or "hospital" type muffler to reduce noise.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/28/2000

API NO. ASSIGNED: 43-013-32180

WELL NAME: JONAH UNIT 4-12  
 OPERATOR: INLAND PRODUCTION ( N5160 )  
 CONTACT: JOYCE MCGOUGH

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

NWNW 12 090S 160E  
 SURFACE: 0660 FNL 0660 FWL  
 BOTTOM: 0660 FNL 0660 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:

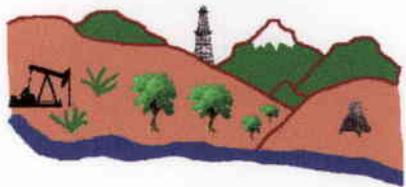
Plat  
 Bond: Fed[] Ind[] Sta[] Fee[]  
 (No. 4488944 )  
 Potash (Y/N)  
 Oil Shale (Y/N) \*190 - 5 (B)  
 Water Permit  
 (No. MUNICIPAL )  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_ )  
 Fee Surf Agreement (Y/N)

LOCATION AND SITING:

*\* Sec. Rec.*  
 \_\_\_\_\_ R649-2-3. Unit Jonah (GP)  
 \_\_\_\_\_ R649-3-2. General  
 Siting: \_\_\_\_\_  
 \_\_\_\_\_ R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: 228-2  
 Eff Date: 7-16-93  
 Siting: \* Per Unit Agreement  
 \_\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \* mon. Butte (SOP), separate file.

STIPULATIONS: ① FEDERAL APPROVAL



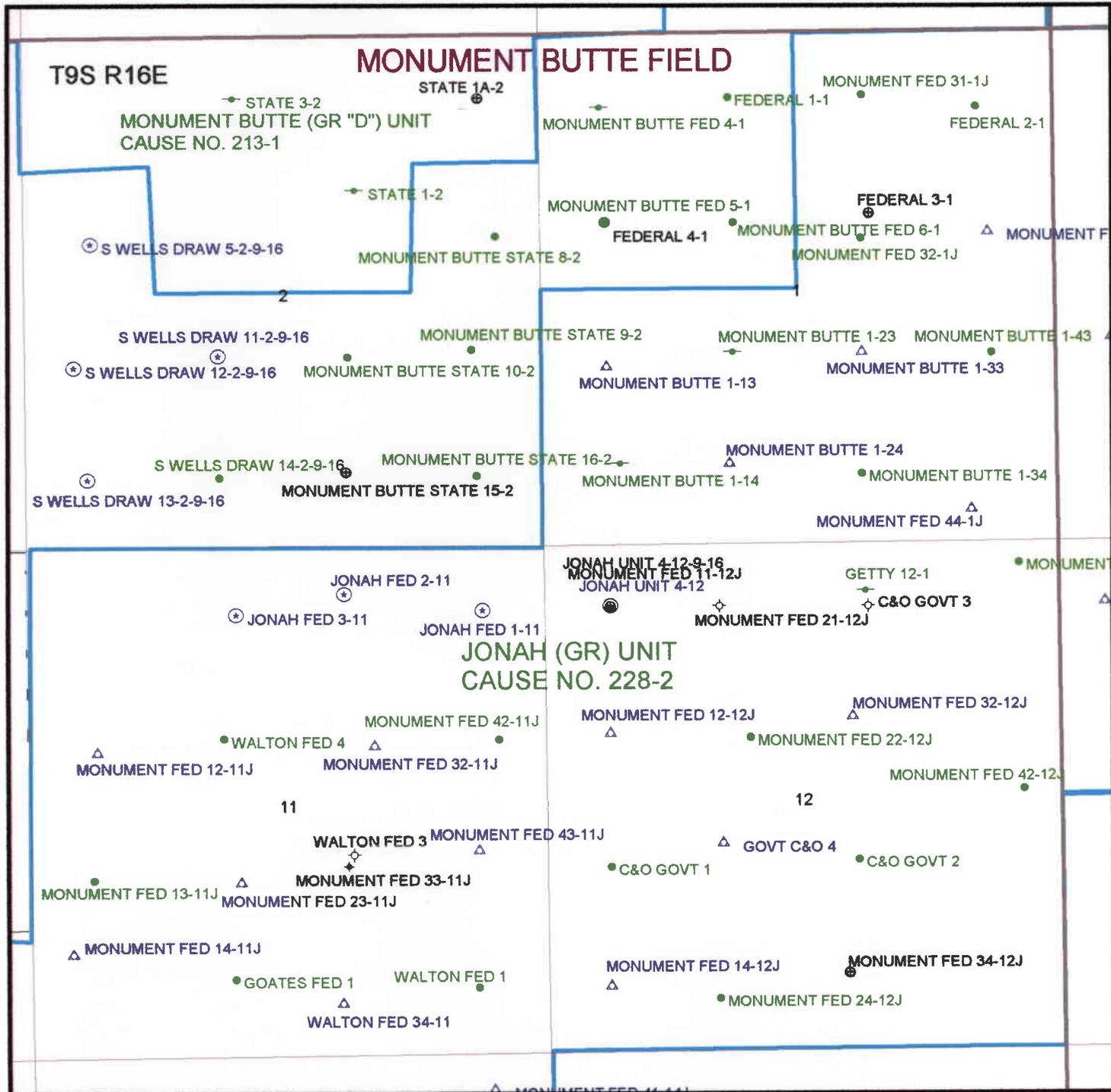
Utah Oil Gas and Mining

OPERATOR: INLAND PROD CO (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 12, T9S, R16E,

COUNTY: DUCHESNE UNIT: JONAH (GR)  
CAUSE NO. 228-2



# 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)

August 3, 2000

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2000 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 2000 within the Jonah Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
43-013-32180	Jonah Unit 4-12	Sec. 12, T9S, R16E 0660 FNL 0660 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:8-3-0



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)

August 7, 2000

Inland Production Company  
410 Seventeenth St, Suite 700  
Denver, CO 80202

Re: Jonah Unit 4-12 Well, 660' FNL, 660' FWL, NW NW, Sec. 12, 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 43-013-32180.

Sincerely,

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

for 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 Unit 4-12

**API Number:** 43-013-32180

**Lease:** U-096550

**Location:** NW NW      **Sec.** 12      **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
- Contact Robert Krueger at (801) 538-5274.

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.



August 17, 2000

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
ATTN: Lisha Cordova  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill  
Jonah Federal 4-12-8-16 <sup>95</sup>  
NW NW Section 12, T~~7~~S, R16E  
Duchesne County, Utah

Dear Ms. Cordova:

We recently received a new survey plat, well pad diagram, cross section diagram and topo maps for the above referenced well. I am enclosing a copy of each for your file and record.

If you should require any additional information or if you have any questions, please contact me at (303) 893-0102.

Sincerely,

Joyce I. McGough  
Regulatory Technician

Enclosures

cc: Roosevelt Office

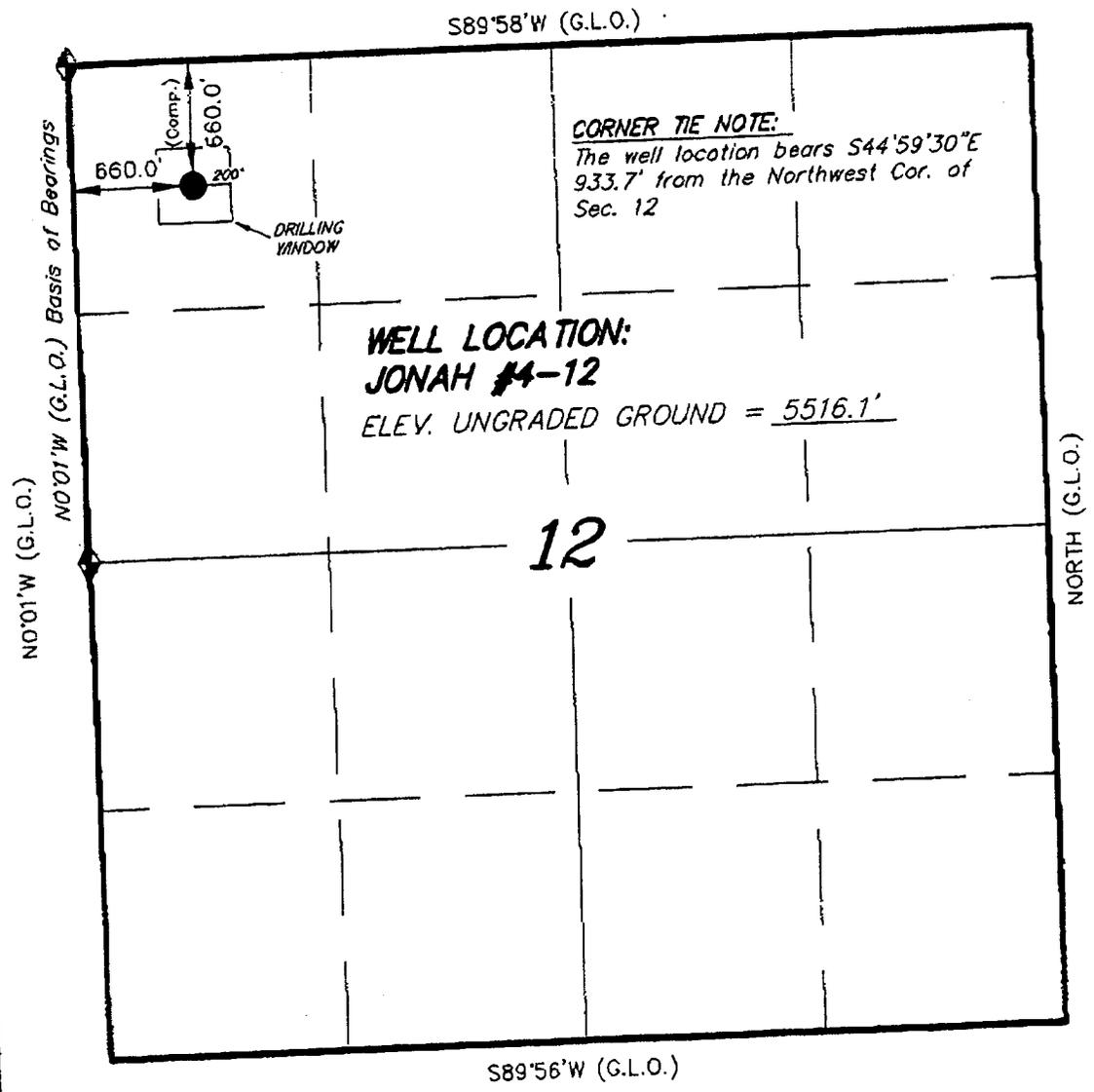
**RECEIVED**

AUG 21 2000

DIVISION OF  
OIL, GAS AND MINING

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

## INLAND PRODUCTION COMPANY



WELL LOCATION, JONAH #4-12, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 12, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

**CORNER TIE NOTE:**  
The well location bears S44°59'30"E 933.7' from the Northwest Cor. of Sec. 12

**WELL LOCATION:**  
**JONAH #4-12**  
ELEV. UNGRADED GROUND = 5516.1'

### 12

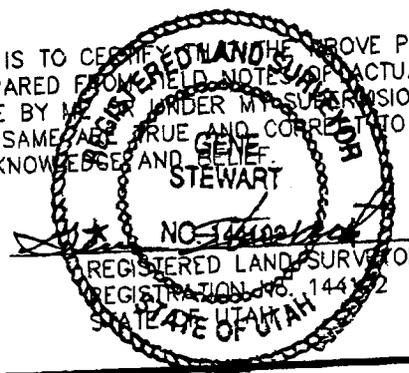


# RECEIVED

AUG 21 2000

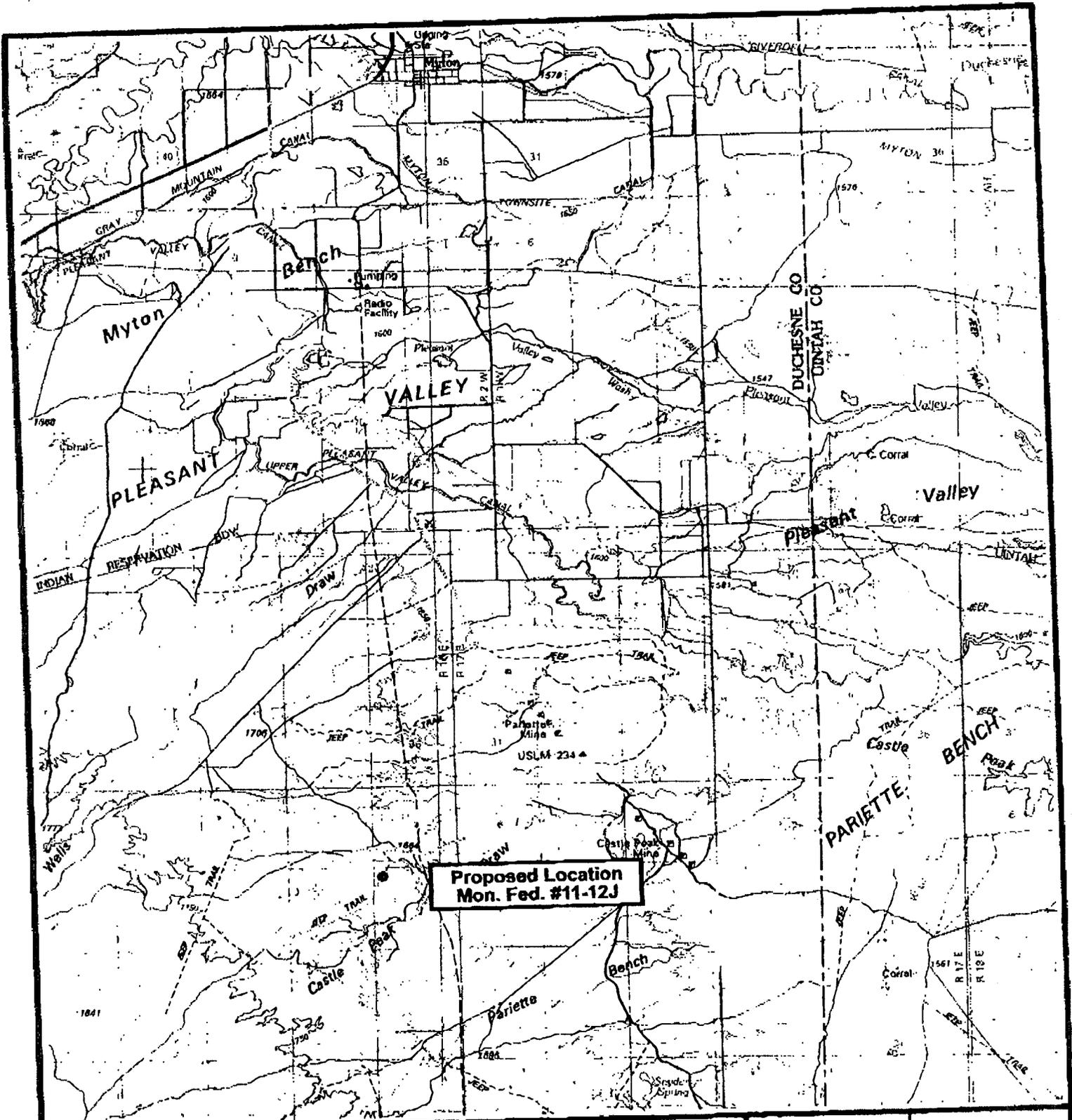
DIVISION OF  
OIL, GAS AND MINING

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.



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 8-8-00	WEATHER: FAIR
NOTES:	FILE #

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



**Proposed Location  
Mon. Fed. #11-12J**



**RESOURCES INC.**  
**Mon. Fed. #11-12J**  
**SEC. 12, T9S, R16E, SLB&M**  
**TOPOGRAPHIC MAP "A"**

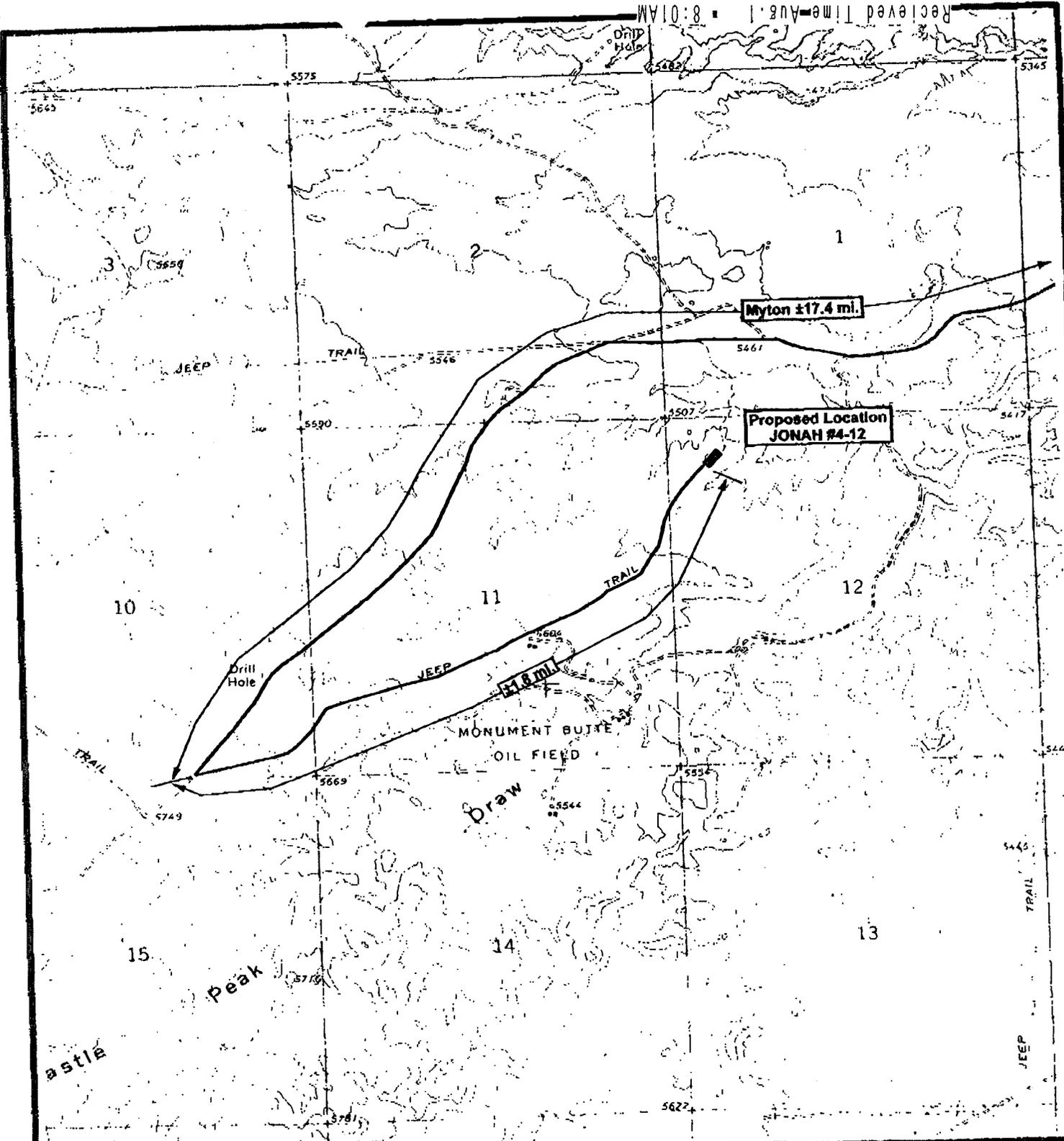
**RECEIVED**

AUG 21 2000

DIVISION OF  
 OIL, GAS AND MINING

Drawn By: SS	Revision:
Scale: 1 : 100,000	File:
Date: 8-9-00	
<b>Tri-State Land Surveying Inc.</b> P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	

Received Time - Aug 1 8:01 AM



**JONAH #4-12**  
**SEC. 12, T9S, R16E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**

**RECEIVED**

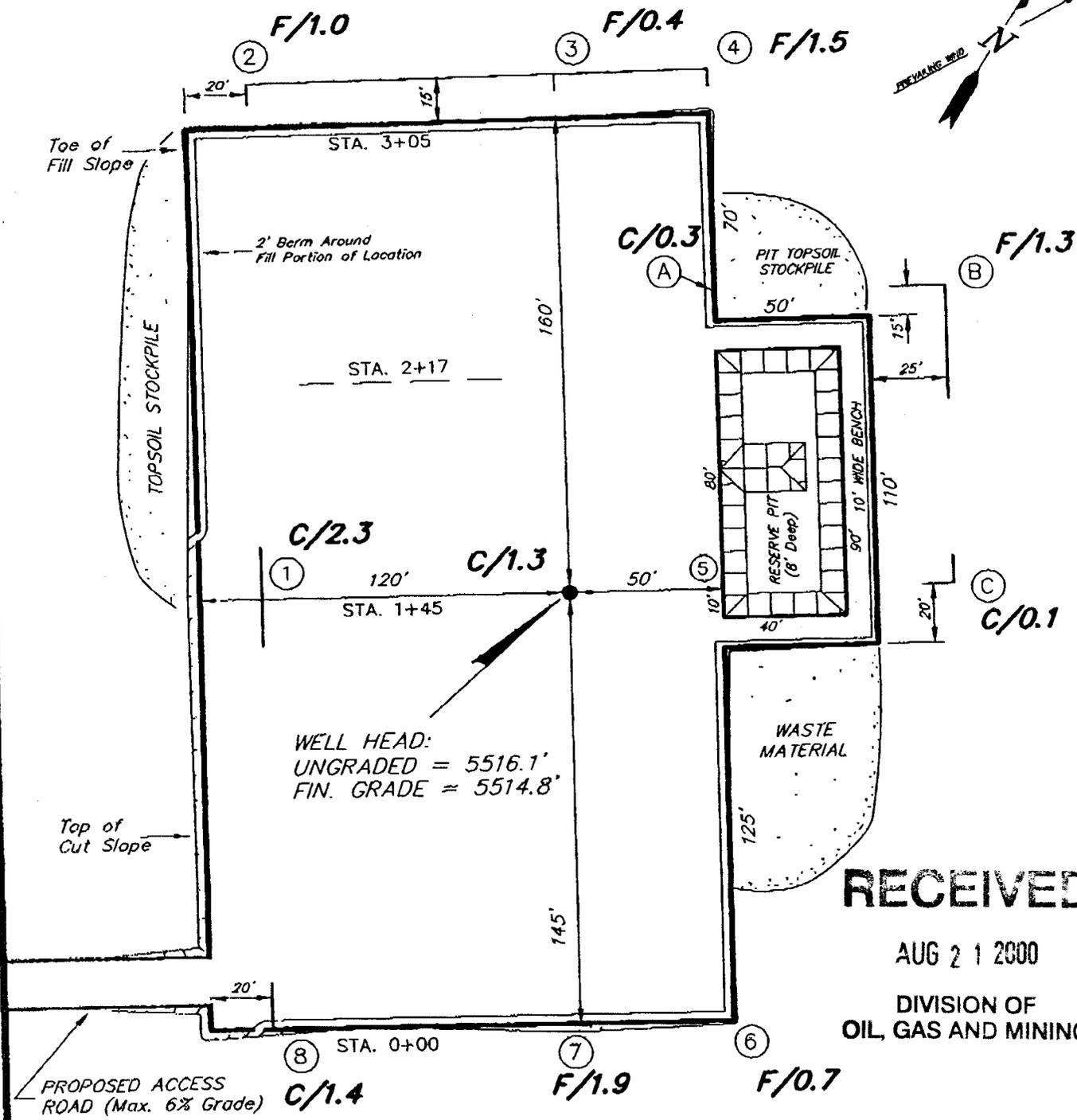
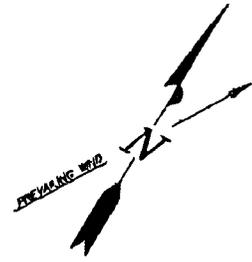
AUG 21 2000

DIVISION OF  
 OIL, GAS AND MINING

Drawn By: SS	Revision:
Scale: 1" = 2000'	File:
Date: 8-3-00	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	

# INLAND PRODUCTION COMPANY

JONAH #4-12  
SEC. 12, T9S, R16E, S.L.B.&M.



## RECEIVED

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OIL, GAS AND MINING

EXHIBIT E

### REFERENCE POINTS

- 200' NORTHWEST = 5514.2'
- 250' NORTHWEST = 5513.0'
- 150' SOUTHWEST = 5517.8'
- 200' SOUTHWEST = 5518.8'

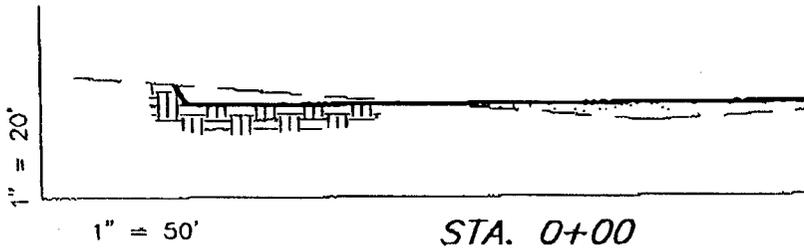
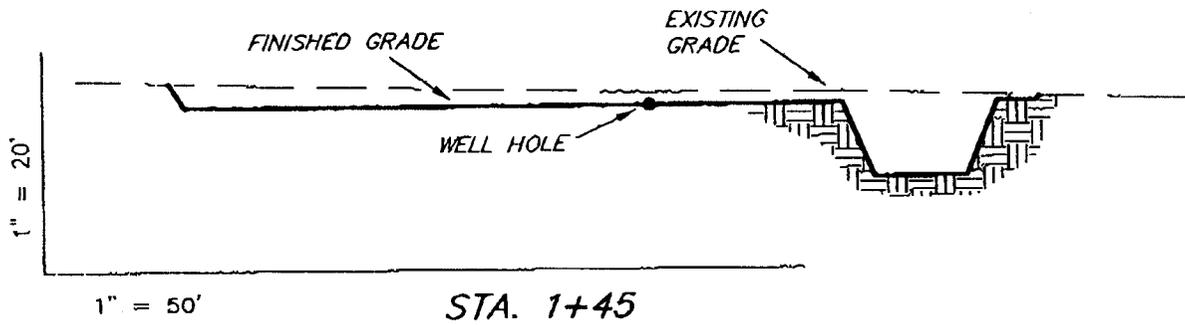
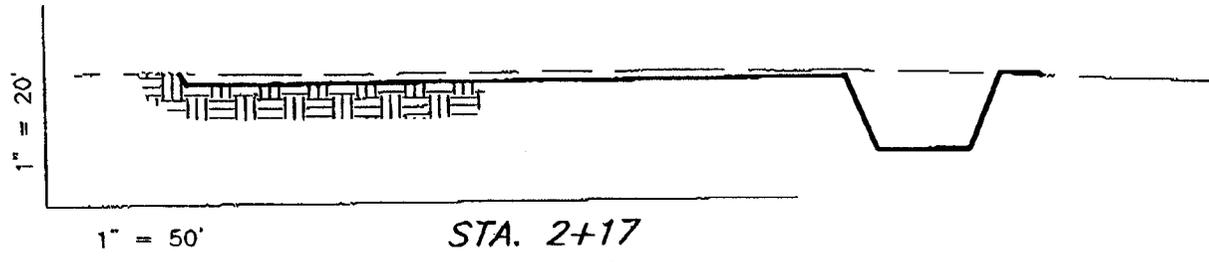
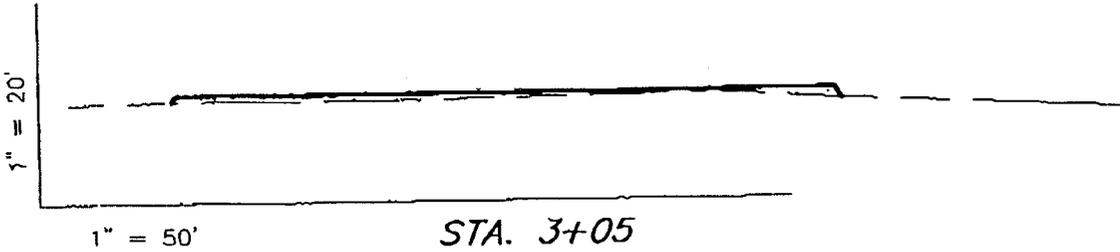
(435) 781-2501

SURVEYED BY: G.S.  
DRAWN BY: J.R.S.

SCALE: 1" = 50'  
DATE: 8-8-00

**Tri State**  
Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY CROSS SECTIONS JONAH #4-12



**RECEIVED**

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OIL, GAS AND MINING

**APPROXIMATE YARDAGES**

- CUT = 670 Cu. Yds.
- FILL = 660 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,060 Cu. Yds.

EXHIBIT E-1

SURVEYED BY: G.S.	SCALE: 1" = 50'	<p>Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 8-8-00		

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

**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

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**Jonah**

8. FARM OR LEASE NAME  
**Jonah Unit**

9. WELL NO.  
**#4-12**

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

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 12, T9S, R16E**

12. COUNTY **Duchesne** 13. STATE **Utah**

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

3. ADDRESS OF OPERATOR  
**410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **NW/NW**  
At proposed Prod. Zone **660' FNL and 660' FWL**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 13 miles southwest of Myton, Utah**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	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.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
	<b>6500'</b>	<b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5516.1' GR**

22. APPROX. DATE WORK WILL START\*  
**4th Quarter, 2000**

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 for Application of Permit to Drill are also attached.**

**Please note: On January 15, 1998; the Balcron Monument Federal 11-12J was re-named the Jonah Unit #4-12-9-16.**

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 Joyce D. McGough TITLE Regulatory Technician DATE July 25, 2000  
Joyce McGough

(This space for Federal or State office use)

**NOTICE OF APPROVAL**

PERMIT NO. \_\_\_\_\_ 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 [Signature] TITLE Assistant Field Manager Mineral Resources DATE 9/15/00

**\*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.

**CONDITIONS OF APPROVAL ATTACHED**

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Jonah Federal 4-12

API Number: 43-013-32180

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.

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02 01 12

BRANDON  
OIL, GAS AND MINING

**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 base of the usable water zone, identified at  $\pm 1,431$  ft.

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SEP 21 2010  
DIVISION OF  
OIL, GAS AND MINING

SURFACE USE PROGRAM  
Conditions of Approval (COA)

Location Reclamation:

The following seed mixture will be used on the reclamation of the reserve pit and for final reclamation: (All poundages are in Pure Live Seed)

bud sage	Artemisia spinescens	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre
shadscale	Atriplex confertifolia	4 lbs/acre
Indian rice grass	Oryzopsis hymenoides	2 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.

Other Additional Information:

Mountain Plover: According to the timeframes listed on the following chart and prior to new construction and drilling activities, a detailed survey of the area within 0.5 mile of a proposed location and 300 feet either side of the center line of a proposed access route will be made by BLM or a qualified biologist to detect the presence of plovers. Extreme care shall be exercised to locate plovers due to their highly secretive and quiet nature. Where possible, the survey shall first be made from a stationary vehicle. All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

The surveys will be conducted no more than 14 days prior to the date actual construction or drilling activities begin. If two surveys are required, they will be made at least 14 days apart with the last survey no more than 14 days prior to the start-up date.

If an active nest or chicks are found in the area, the planned activity will be delayed until the chicks are out of downy plumage; the brood vacates the area of influence; or, the nest has failed.

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SEP 11 2010  
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OIL, GAS AND MINING

Grading activities and new road construction will be minimized from May 25 through June 30.

Surface Gas Line: Installation of the surface gas line will follow the edge of the existing roadways without interfering with normal travel and maintenance of the roadway.

Installation of the surface gas line will follow the conditions of approval for mountain plover the same as for development and drilling of the well.

Golden Eagle: If this is a producing well the pump unit motor will be multicylinder or equipped with "hospital type" muffler to reduce noise to nesting golden eagles in the area.

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SEP 21 2003

DIVISION OF  
OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Com pany: INLAND PRODUCTION COMPANY

Well Name: JONAH UNIT 4-12

Api No.. 43-013-32180 LEASE TYPE: FEDERAL

Section 12 Township 09S Range 16E County DUCHESNE

Drilling Contractor LEON ROSS DRILLING RIG # 14

SPUDDED:

Date 03/14/2001

Time 12:30 PM

How DRY

Drilling will commence \_\_\_\_\_

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date 03/15/2001 Signed: CHD

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 # 4-12

9. API Well No.  
# 43-013-32180

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)  
**660' FNL & 660' FWL NW/NW Sec.12, 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>Spud Notice</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 3/14/01. MIRU Ross #14. Drill 305' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @299.39'/KB. On 3/20/01 cement with 145 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 2 bbls cement returned to surface. WOC

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MAR 21 2001  
DIVISION OF  
OIL, GAS AND MINING

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

Signed Pat Wisener Title Drilling Foreman Date 03/21/2001  
 Pat Wisener

(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 299.39

LAST CASING 8/5/8" SET AT 299.39'  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 300' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Jonah Federal 4-12-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross #14

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					
		shjt 38.55					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	288.54
		<b>GUIDE</b> shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	290.39
TOTAL LENGTH OF STRING	290.39	7	LESS CUT OFF PIECE	1
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	<b>299.39</b>

TOTAL	288.54	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	288.54	7	
TIMING	1ST STAGE		
BEGIN RUN CSG.	spud	03/14/2001	GOOD CIRC THRU JOB <u>yes</u>
CSG. IN HOLE			Bbls CMT CIRC TO SURFACE <u>2</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	cemented	03/20/2001	

CEMENT USED	CEMENT COMPANY- <b>BJ</b>
STAGE	# SX
1	145
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	

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MAR 21 2001

DIVISION OF  
OIL, GAS AND MINING



**PRODUCTION COMPANY**  
A Subsidiary of Inland Resources Inc.

March 19, 2001

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

Dear Carol:

Please find enclosed Form 3160 -5. For the Jonah Federal 4-12--9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

Pat Wisener,  
Drilling Foreman

Enclosures;  
Cc: Denver office well file  
Pleasant Valley office well file

pw

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MAR 22 2001

DIVISION OF  
OIL, GAS AND MINING

P. 03

FAX NO. 435. 646 3031

INLAND PRODUCTION CO

APR-17-01 TUE 08:25 AM

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

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

OPERATOR ACCT NO **N5160**

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11492	43-013-32180	Jonah #4-12-9-16	NW/NW	12	9S	16E	Duchesne	March 14, 2001	03/14/01

WELL 1 COMMENTS

4-17-01

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32212	West Point #9-7-9-16	NE/SE	7	9S	16E	Duchesne	March 20, 2001	03/20/01

WELL 2 COMMENTS

4-17-01

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32211	West Point #8-7-9-16	SE/NE	7	9S	16E	Duchesne	March 24, 2001	03/24/2001

WELL 3 COMMENTS

4-17-01

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12418	43-013-32210	West Point #1-7-9-16	NE/NE	7	9S	16E	Duchesne	March 28, 2001	03/28/01

WELL 4 COMMENTS

4-17-01

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12276	43-013-32218	Wells Draw #5-32-8-16	SW/NW	32	8S	16E	Duchesne	April 5, 2001	04/05/01

WELL 5 COMMENTS

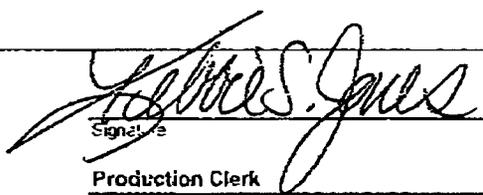
4-17-01

ACTION CODES: See instructions on back of form

- A - Establish new well; do not include well "D"
- B - Add new well to existing entity (group or unit) well
- C - Reassign well from one existing entity to another existing entity
- D - Reassign well from one existing entity to a new entity
- E - Change and/or correct location

NOTE: Use CURRENT entity to update API, NEW Entity Code was set after

1991

  
Signature

Kebbie S. Jones

Production Clerk  
Title

April 17, 2001  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**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)

**660' FNL & 660' FWL NW/NW Sec.12, T9S, R16E**

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 # 4-12

9. API Well No.

# 43-013-32180

10. Field and Pool, or Exploratory Area

# Monument Butte

11. County or Parish, State

# Duchesne, Utah.

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.)\*

**Weekly Status Report for the period 4/30/01 thru 5/6/01.**

TOH with drill string & BHA. PU & MU Bit #2, & BHA. Drill 77/8" hole with water based mud to a depth of 5602'. Lay down drill string. Open hole log. PU & MU Guide shoe, 1 jt 51/2" csg, Float collar & 134 jt's J-55 15.5 # 51/2" csgn. Set @ 5582'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 250 sks Prem Litell w/3% KCL, 3# sk Kalseal, 8% Gel, .5SMS, 5#sk BA90, mixed @ 11.0PPG >3.43D. Good returns thru job with 6 bbls cement returned to pit. Set slips with 62,000# tension. Nipple down. Release rig @ 1:30 pm on 5/2/01. WOC

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

Signed

*Pat Wisener*  
Pat Wisener

Title

Drilling Foreman

Date

05/02/2001

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

# INLAND PRODUCTIO., COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5582.5

Fitclr@5570'

LAST CASING 8/5/8" SET AT 299.39'

OPERATOR Inland Production Company

DATUM 10' KB

WELL Jonah Federal 4-12-9-16

DATUM TO CUT OFF CASING \_\_\_\_\_

FIELD/PROSPECT Monument Butte

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

CONTRACTOR & RIG # Union #14

TD DRILLER 5602' LOGGER 5606'

HOLE SIZE 8 7/8

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing JT					14.4
		Flag ( 35.57" ) @ 4759'					
133	5 1/2"	Maverick LT & C casing	15.5#	J-55	8rd	A	5559.85
		Float collar			8rd	A	0.65
1	5 1/2"	Maverick LT & C casing	15.5#	J-55	8rd	A	11.4
		Guide shoe			8rd	A	0.6
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5586.9
TOTAL LENGTH OF STRING		5586.9	134	LESS CUT OFF PIECE			14.4
LESS NON CSG. ITEMS		15.65		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		296.1	7	CASING SET DEPTH			<b>5582.5</b>
TOTAL		5867.35	141	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5867.35	141				
TIMING		1ST STAGE	2nd Stage				
BEGIN RUN CSG.		5:00am		GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		7:15am		Bbls CMT CIRC TO SURFACE <u>6</u>			
BEGIN CIRC		7:30am	8:30am	RECIPROCATED PIPE FOR <u>10 mins.</u> THRU <u>6' FT</u> STROKE			
BEGIN PUMP CMT		8:37am	8:59am	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		9:22am		BUMPED PLUG TO <u>1589</u> PSI			
PLUG DOWN		9:41am					
CEMENT USED		CEMENT COMPANY- <b>BJ</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	250	Premlite II W/ .5% SMS, 10% gel, 3#/sk BA90, 3#/sk kolseal, 3% KCL, 1/4#/sk C.F., .05#/sk staticfree mixed @ 11.0 ppg W/ 3.43 cf/sk yield					
2	400	50/50 poz W/ 3% KCL, 1/4#/sk C.F., 2% gel, .3% SMS, .05#/sk staticfree mixed @ 14.4 ppg W/ 1.24 cf/sk yield					
			SHOW MAKE & SPACING				
CENTRALIZER & SCRATCHER PLACEMENT							
One on middle of first jt, one on collar of second & third jts, then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Pat Wisener

DATE 05/02/2001

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 # 4-12

9. API Well No.  
# 43-013-32180

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)  
**660' FNL & 660' FWL NW/NW Sec.12, 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 3/14/01. MIRU Ross #14. Drill 305' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @299.39'/KB. On 3/20/01 cement with 145 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 2 bbls cement returned to surface. WOC. On 4/26/01 MIRU Union # 14. Set equipment. Nipple up BOP's. Test BOP's, Choke manifold, Kelly, TIW. To 2,000 psi. Test 85/8" csgn to 1,500 psi. State office of DOGM, & Vernal office of the BLM were notified of the test. PU drill string & BHA. Tag cement top @ 251'. Drill out cement & shoe. Drill 77/8" hole with air mist to a depth of 3,300'.

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

Signed Pat Wisener Title Drilling Foreman Date 04/29/2001  
 Pat Wisener

(This space for Federal or State office use)

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

Conditions of approval, if any:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

Well name and number: Jonah Federal 4-12

API number: 43-013-32180

Well Location: QQ nw/nw Section 11 Township 9S Range 16E County Duchesne

Well Operator: INLAND PRODUCTION COMPANY

Address: Route 3 Box 3630  
Myton, Utah 84052 Phone: 435-646-3721

Drilling Contractor: Union Drilling

Address: Drawer 40  
Buckhannon, WV 26201 Phone: 304-472-4610

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
1500'	1545'	Estimated @ 7 gals/MIN.	TRONA (salty)

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

Formation Tops: Surface ( Uinta ) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form. YES

I hereby certify that this report is true and complete to the best of my knowledge. Date: 05/09/01

Name & Signature: Pat Wisem Time: 10:00 AM

**RECEIVED**  
MAY 10 2001  
DIVISION OF  
OIL, GAS AND MINING

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5066  
Fax (435) 722-5727

## WATER ANALYSIS REPORT

Company Inland Address \_\_\_\_\_ Date 5/1/01  
Source Jonah 4-12 Date Sampled 5/1/01 Analysis No. \_\_\_\_\_

	Pat Wisener			
	<b>1500' WATER Flow.</b>	<b>Analysis</b>	<b>mg/l(ppm)</b>	<b>*Meg/l</b>
1. PH	<u>9.8</u>			
2. H <sub>2</sub> S (Qualitative)	<u>0.0</u>			
3. Specific Gravity	<u>1.028</u>			
4. Dissolved Solids			<u>31,033</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub>	<u>3,960</u>	÷ 30 <u>132</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub>	<u>4,758</u>	÷ 61 <u>78</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl	<u>10,600</u>	÷ 35.5 <u>299</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub>	<u>10</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca	<u>8</u>	÷ 20 <u>0</u> Ca
11. Magnesium (Mg)		MG	<u>0</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )			<u>20</u>	
13. Total Iron (Fe)			<u>1.6</u>	
14. Manganese				
15. Phosphate Residuals				

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO <sub>3</sub>	210	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		
0	Mg	→	SO <sub>4</sub>	0	CaSO <sub>4</sub>	68.07		
509	Na	→	Cl	299	CaCl <sub>2</sub>	55.50		
					Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		
					MgSO <sub>4</sub>	60.19		
					MgCl <sub>2</sub>	47.62		
					NaHCO <sub>3</sub>	84.00	<u>210</u>	<u>17,640</u>
					Na <sub>2</sub> SO <sub>4</sub>	71.03		
					NaCl	58.46	<u>299</u>	<u>17,480</u>
<b>Saturation Values</b>	<b>Distilled Water 20°C</b>							
CaCO <sub>3</sub>	13 Mg/l							
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l							
MgCO <sub>3</sub>	103 Mg/l							

**RECEIVED**

REMARKS Log Shows WATER ZONE @ 1500'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**Route #3 Box 3630 Myton, Utah 84052 435-646-3721**

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

**660' FNL & 660' FWL NW/NW Section 12, T9S, R16E**

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 Federal 4-12-9-16**

9. API Well No.  
**43-013-32180**

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

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

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Status report**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

Status report for Time period 6/4/01 through 6/10/01.  
Subject well had completion procedures initiated on 6/5/01. A total of two Green River intervals were perforated and hydraulically fractured. A third interval was perforated. Made attempts to breakdown perms W/ no success. Decision made to leave alone. Bridge plugs and sand plugs were removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well. Well began producing on rod pump on 6/9/01.

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

Signed

Gary Dietz

Title

**Completion Foreman**

Date

**11-Jun-01**

(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.

\*See Instruction on Reverse Side



July 2, 2001

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

Attn: Ms. Carol Daneils

**Jonah Unit #4-12-9-16**  
Odekirk Springs #9-36-8-16  
Wells Draw #5-32-8-16  
Duchesne County, UT

Dear Ms. Carol Daneils

Enclosed are Well Completion or Recompletion Reports and Log forms (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 893-0102 ext. 1449

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

**RECEIVED**

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

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 \_\_\_\_\_

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

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

At Surface 660' FNL & 660 FVL (NWNW) Sec. 12, T9S & R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32180 DATE ISSUED August 7, 2000 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 3/14/01 16. DATE T.D. REACHED 5/1/01 17. DATE COMPL. (Ready to prod.) 6/9/01 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5516' GR 5526' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5602' 21. PLUG BACK T.D., MD & TVD 5582' 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)\* Lower Green River 4470'-5267' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN 4-18-01 DIGL/SP/CDL/GR/Cal CBL/GR/CLL-5-18-01 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"	24#	299'	12-1/4"	To surface with 145 sx Class "G" cmt	
5-1/2"	15.5#	5582'	7-7/8"	250 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 @ 5327'	TA @ 5227'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
(A3 sand) 5254-67', 5244-50'	0.38"	76
(D3 sand) 4862-68'	0.38"	24
(PB-10 sand) 4470-75'	0.38"	20

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5244'-5267'	Frac w/ 89,647# 20/40 sand and 600 bbl. Fluid
4862'-4868'	Frac w/ 29,647# 20/40 sand and 299 bbl. Fluid
4470'-4475'	Did not frac this zone

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6/10/01	2-1/2" x 1-1/2" x 14.5' RHAC Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 day ave			→	52.4	43.4		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
		→			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY JUL 12 2001

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 Kevin S. Wells TITLE Manager of Development Operations DATE 6/28/01

RECEIVED  
JUL 12 2001  
DIVISION OF OIL, GAS AND MINING

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Jonah Federal #4-12-9-16	Garden Gulch Mkr	3714	
				Garden Gulch 2	4837	
				Point 3 Mkr	4289	
				X Mkr	4556	
				Y-Mkr	4590	
				Douglas Creek Mkr	4716	
				BiCarbonate Mkr	4962	
				B Limestone Mkr	5086	
				Castle Peak	5553	
				Basal Carbonate		
				Total Depth (LOGGERS)	5606	



# 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**

**ROUTING**

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:

**9/1/2004**

<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)**

<b>WELL(S)</b>									
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	K
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P	K
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD	K
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	K
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P	K
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P	K
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD	K
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD	K
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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096550
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> JONAH UNIT 4-12
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013321800000
<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> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 12 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: 4/10/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 04/05/2012. On 4/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
May 15, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 4/10/12 Time 10 am pm  
Test Conducted by: Jared Robison  
Others Present: \_\_\_\_\_

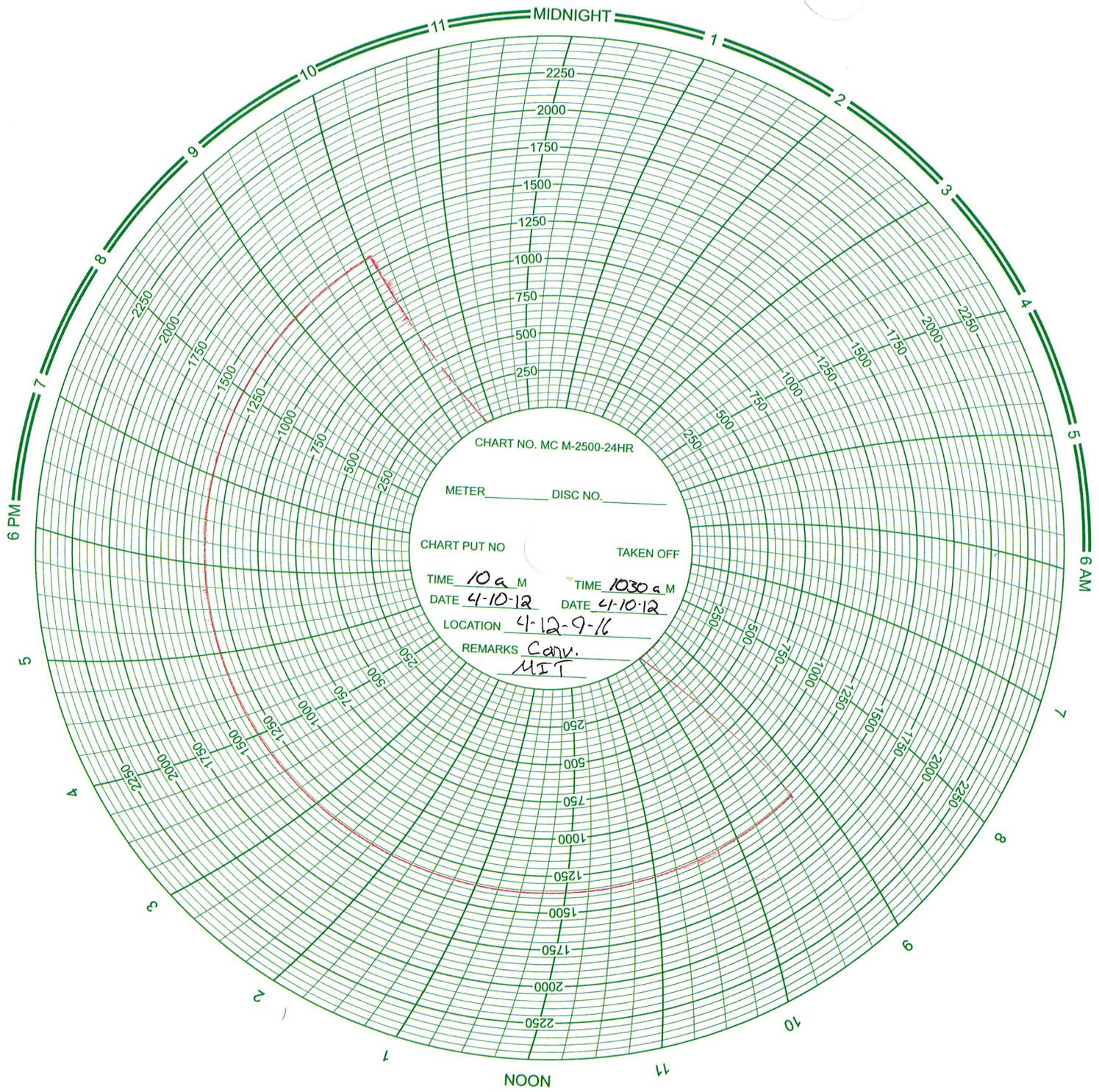
Well: <u>Jonah 4-12-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NW/NW Sec. 12, T9S, R16E</u>	API No: <u>430-13-32180</u>
<u>Duchesne, UT</u>	

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1370</u>	psig
5	<u>1370</u>	psig
10	<u>1370</u>	psig
15	<u>1370</u>	psig
20	<u>1370</u>	psig
25	<u>1370</u>	psig
30 min	<u>1370</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness: Chris Jensen  
Signature of Person Conducting Test: Jared Robison



## Daily Activity Report

Format For Sundry

**JONAH 4-12-9-16**

**2/1/2012 To 6/30/2012**

**4/5/2012 Day: 1**

**Conversion**

WWS #7 on 4/5/2012 - MIRU. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$2,332

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**4/6/2012 Day: 3**

**Conversion**

WWS #7 on 4/6/2012 - RIH w/ PKR & Test - Safety Meeting. JSA. Cont TOO H tbg Breaking & Green Doping Every Connection w/ 61 jts. LD 25 jts ,5-1/2 TAC,2 jts, PSN, 2 jts , NC. TIH w/ 5-1/2 Arrow Set 1 PKR new SN, 141 jts 2-7/8" J-55 Tbg . Pump 10 bbls drop standing valve press test Tbg to 3000psi 30 min. Ret standing valve w/ sand line mix PKR fuild circulate 60 bbls down csg. ND BOPs set PKR @ 4428' w/ 16000# tension PSN @ 4424' EOT @ 4432'. NU Injection WH press test csg to 1500psi for 45 min good test. RDMO FINAL Report - Safety Meeting. JSA. Cont TOO H tbg Breaking & Green Doping Every Connection w/ 61 jts. LD 25 jts ,5-1/2 TAC,2 jts, PSN, 2 jts , NC. TIH w/ 5-1/2 Arrow Set 1 PKR new SN, 141 jts 2-7/8" J-55 Tbg . Pump 10 bbls drop standing valve press test Tbg to 3000psi 30 min. Ret standing valve w/ sand line mix PKR fuild circulate 60 bbls down csg. ND BOPs set PKR @ 4428' w/ 16000# tension PSN @ 4424' EOT @ 4432'. NU Injection WH press test csg to 1500psi for 45 min good test. RDMO FINAL Report

**Daily Cost:** \$0

**Cumulative Cost:** \$71,019

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**4/11/2012 Day: 4**

**Conversion**

Rigless on 4/11/2012 - Conduct initial MIT - On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$96,339

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>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 UNIT 4-12
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013321800000
<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> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 12 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: 7/18/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 11:30 AM on  
07/18/2012

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
July 25, 2012**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/23/2012



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

*UI C-363.9*

RE: Permit Application for Water Injection Well  
Jonah Unit #4-12-9-16  
Monument Butte Field, Lease #U-096550  
Section 12-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #4-12-9-16 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", is written over a horizontal line.

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 UNIT #4-12-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #U-096550**  
**MARCH 11, 2010**

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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Jonah Unit #4-12-9-16

Spud Date: 3/14/01  
 Put on Production: 6/10/01  
 GL: 5516' KB: 5526'

IP:52.4 BOPD, 43.4 MCFD, 5.8 BWPD

## Wellbore Diagram

### Proposed Injector

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.39')  
 DEPTH LANDED: 299.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt.

### PRODUCTION CASING

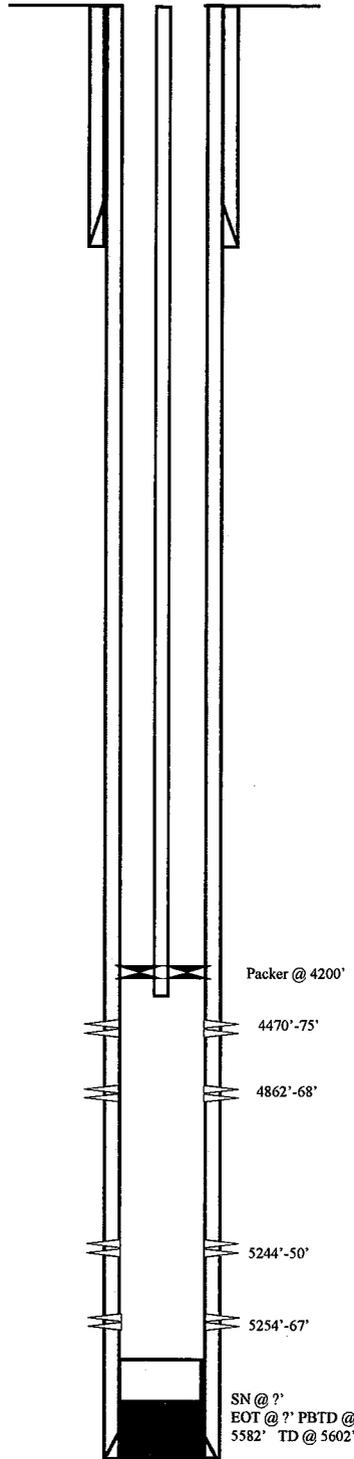
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5586.9')  
 DEPTH LANDED: 5582.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: ?'  
 TOTAL STRING LENGTH: EOT @ ?'

### FRAC JOBS

6/6/01	5254'-67'	<b>Frac A3 sand as follows:</b> 89,647# 20/40 sand in 600 bbls Viking I-25 fluid. Treated @ avg pressure of 1960 psi with avg rate of 29.7 BPM, ISIP 2395 psi.
	5244'-50'	
6/6/01	4862'-68'	<b>Frac D3 sand as follows:</b> 29,647# 20/40 sand in 299 bbls Viking I-25 fluid. Treated @ avg pressure of 2400 psi with avg rate of 24.3 BPM, ISIP 1855 psi.
6/6/01	4470'-75'	
		<b>Frac PB-10 sand as follows:</b> Could not break, left un-fraced.



### PERFORATION RECORD

6/6/01	5254'-5267'	4 JSPF	52 holes
6/6/01	5244'-5250'	4 JSPF	24 holes
6/6/01	4862'-4868'	4 JSPF	24 holes
6/6/01	4470'-4475'	4 JSPF	20 holes

**NEWFIELD**

Jonah Unit #4-12-9-16  
 660' FNL & 660' FWL  
 NW/NW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32180; Lease #U-096550

BDH 6/28/01

## 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 #4-12-9-16 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 #4-12-9-16 well, the proposed injection zone is from Garden Gulch to TD (4035' - 5602'). 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 3711' and the TD is at 5602'.

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

The referenced log for the Jonah Federal #4-12-9-16 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 299' KB, and 5-1/2", 15.5# casing run from surface to 5582' 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 1823 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 Unit #4-12-9-16, for existing perforations (4470' - 5267') calculates at 0.81 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 1823 psig. We may add additional perforations between 3711' and 5602'. 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 Unit #4-12-9-16, the proposed injection zone (4035' - 5602') 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-10.

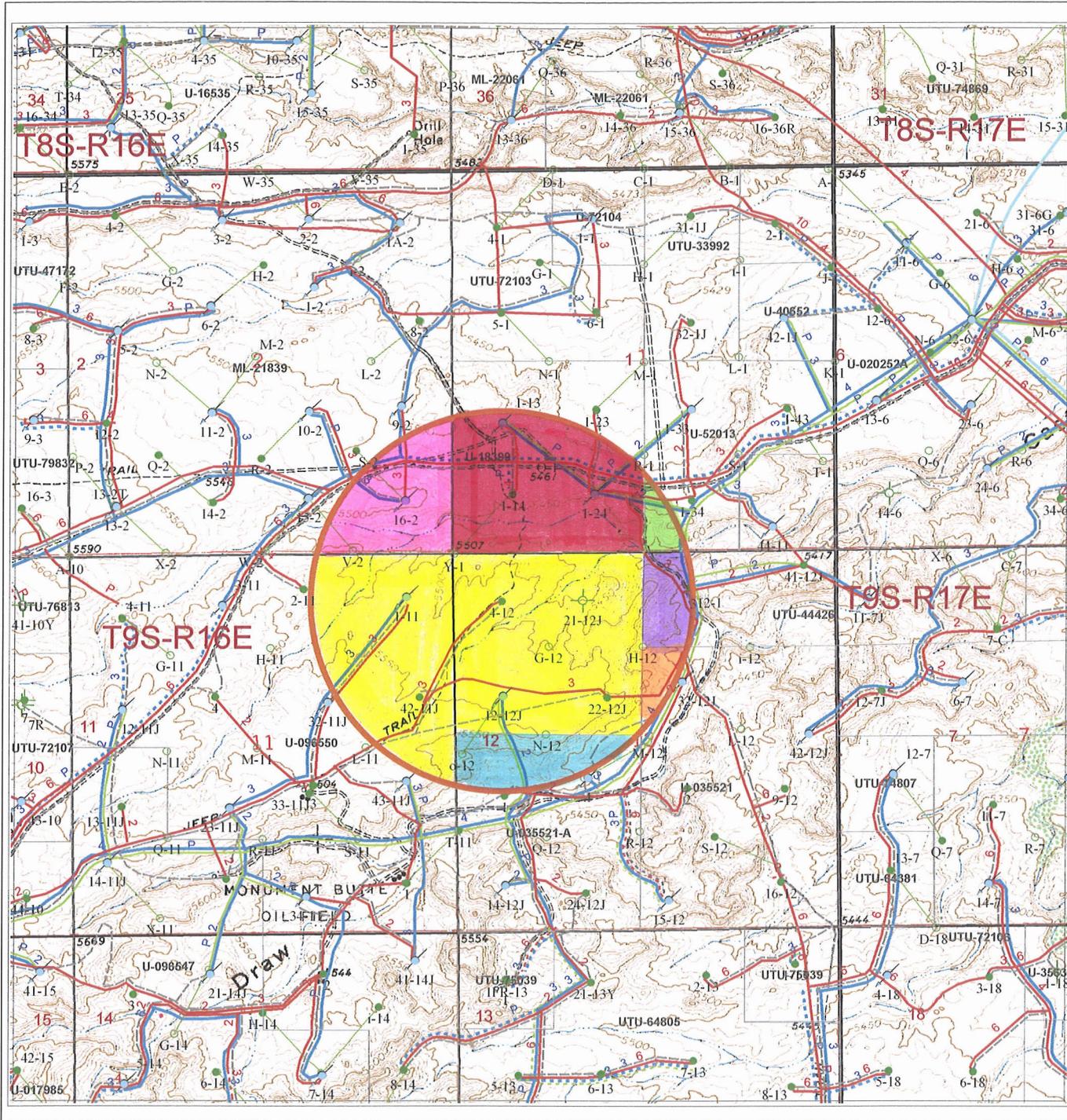
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure 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**
- Leases
  - Mining tracts
- Gas Pipelines**
- Gathering lines
  - - - Proposed lines
  - ⊕ 4-12-9-16 1/2mile radius

- U-090550
- U-035521-A
- U-035521
- UTU-44424
- U-52013
- U-18399
- ML-21839

Attachment A

Jonah Unit 4-12  
Section 12, T9S-R16E



**NEWFIELD**  
ROCKY MOUNTAINS

1" = 2000'

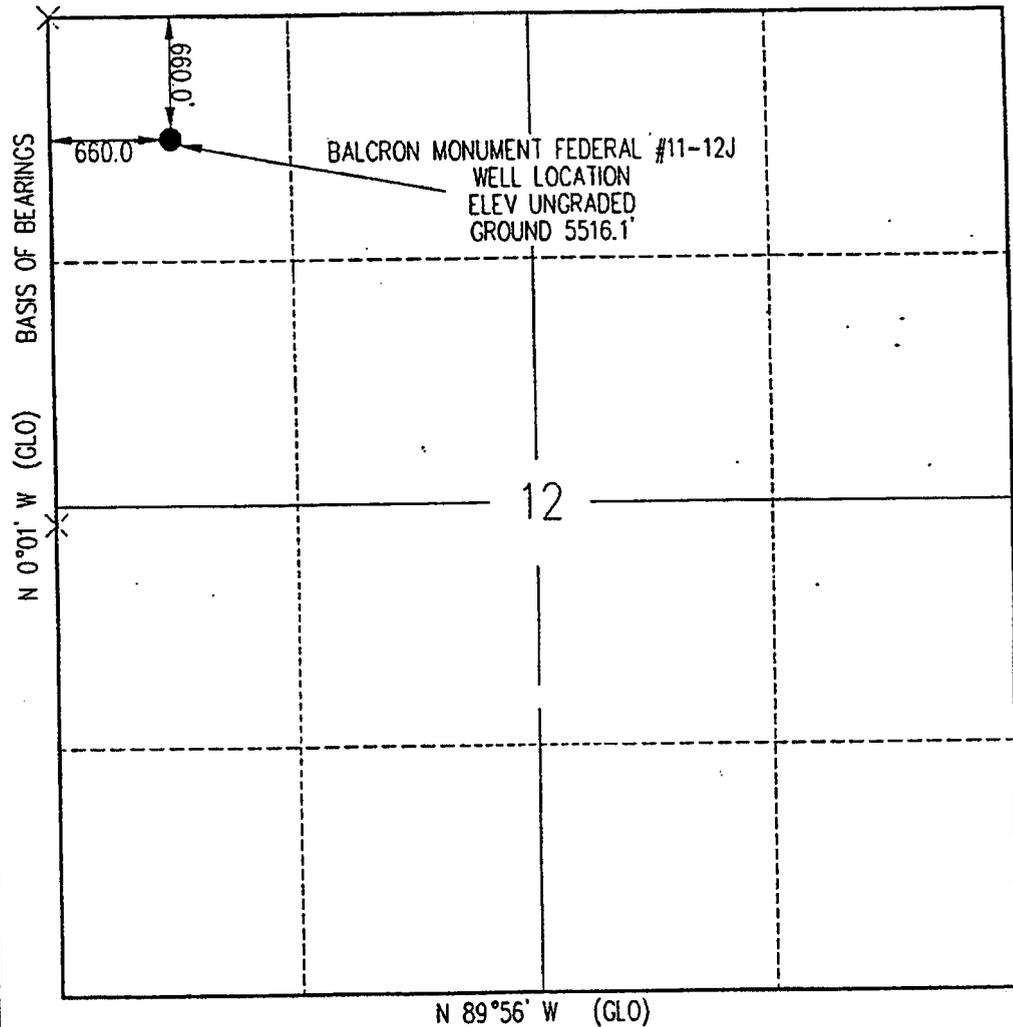
1/2 Mile Radius Map  
Duchesne & Uintah Counties

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

December 21, 2009

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

N 89°59' W (GLO)



X = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. PLAT 1911  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

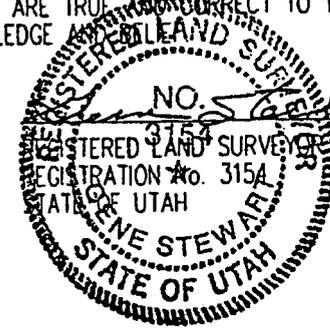
Attachment A-1  
 EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #11-12J, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 12, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



NORTH (GLO)

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.



WEATHER: CLEAR & HOT  
 DATE: 9/30/93  
 SCALE: 1" = 1000'  
 SURVEYED BY: CS OS  
 FILE: MF 11-12J



## EXHIBIT B

Page 1 of 4

#	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	U-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 12: SW	U-035521-A HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Carl B Field C/O Chip Miller Box 502 Shelby, MT 59474 Thomas J Lambert 4826 Quedo Place Woodland Hills, CA 91364 Montana & Wyoming Oil Co PO Box 1324 Billings, MT 59103-1324 Vaughey & Vaughey PO Box 14006 Jackson, MS 39236-4006 John and Bonnie Warne 626 Cave Road Billings, MT 59103	(Surface Rights) USA
3.	<u>Township 9 South, Range 16 East</u> Section 12: S2NE, SE	U-035521 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

## EXHIBIT B

Page 2 of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Carl B Field C/O Chip Miller Box 502 Shelby, MT 59474 Thomas J Lambert 4826 Quedo Place Woodland Hills, CA 91364 Montana & Wyoming Oil Co PO Box 1324 Billings, MT 59103-1324 Vaughey & Vaughey PO Box 14006 Jackson, MS 39236-4006 John and Bonnie Warne 626 Cave Road Billings, MT 59103	
4.	<u>Township 9 South, Range 16 East</u> Section 1: SESE Section 12: N2NE <u>Township 9 South, Range 17 East</u> Section 7: Lots 1 & 2, N2NE, SWNE, E2NW	UTU-44426 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Petroleum Technical Services Company 1405 W Pine Avenue Midland, TX 79705-6524 Providence Minerals LLC 14860 Montfront Dr. Suite 209 Dallas, TX 75254 West Texas Specialty Consulting Services Inc Box 80362 Midland, TX 79708	(Surface Rights) USA

EXHIBIT B

Page 3 of 4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Bonaventure Resources Inc 2857 Paradise Rd. #2501 Las Vegas, NV 89109	
5.	<u>Township 9 South, Range 16 East</u> Section 1: N2SE, SWSE	U-52013 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 1: SW	U-18399 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
7.	<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	(Surface Rights) STATE

## EXHIBIT B

Page 4

2/4

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			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 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	

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #4-12-9-16

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

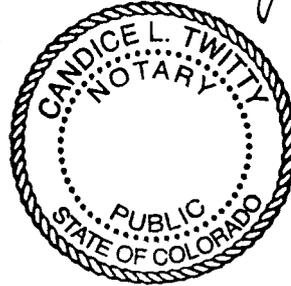
Sworn to and subscribed before me this 12<sup>th</sup> day of March, 2010.

Notary Public in and for the State of Colorado:



My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



# Jonah Unit #4-12-9-16

Spud Date: 3/14/01  
 Put on Production: 6/10/01  
 GL: 5516' KB: 5526'

IP:52.4 BOPD, 43.4 MCFD, 5.8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.39')  
 DEPTH LANDED: 299.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5586.9')  
 DEPTH LANDED: 5582.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts  
 TUBING ANCHOR: 5227.40'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5327.88'  
 SN LANDED AT: 5261.34'

**SUCKER RODS**

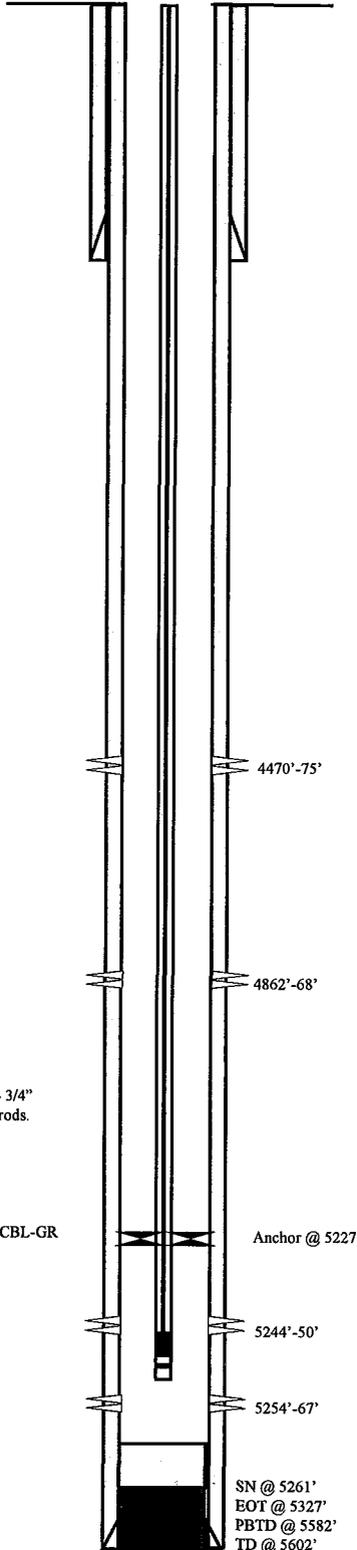
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scraped rods, 135 - 3/4" plain rods, 89 - 3/4" scraped rods, 1-2', 1-4', 1-6', 1-8' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC  
 STROKE LENGTH: 62"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOBS**

6/6/01	5254'-67'	<b>Frac A3 sand as follows:</b> 89,647# 20/40 sand in 600 bbls Viking I-25 fluid. Treated @ avg pressure of 1960 psi with avg rate of 29.7 BPM, ISIP 2395 psi.
	5244'-50'	
6/6/01	4862'-68'	<b>Frac D3 sand as follows:</b> 29,647# 20/40 sand in 299 bbls Viking I-25 fluid. Treated @ avg pressure of 2400 psi with avg rate of 24.3 BPM, ISIP 1855 psi.
6/6/01	4470'-75'	<b>Frac PB-10 sand as follows:</b> Could not break, left un-fraced.

**PERFORATION RECORD**

6/6/01	5254'-5267'	4 JSPF	52 holes
6/6/01	5244'-5250'	4 JSPF	24 holes
6/6/01	4862'-4868'	4 JSPF	24 holes
6/6/01	4470'-4475'	4 JSPF	20 holes



**NEWFIELD**



Jonah Unit #4-12-9-16  
 660' FNL & 660' FWL  
 NW/NW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32180; Lease #U-096550

# Monument Federal #42-11j-9-16

Spud Date: 6/28/1994 (Re-entry)  
 Put on Production: 8/01/1994  
 GL: 5554' KB: 5564'

Initial Production: 33 BOPD,  
 NM MCFD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 140' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs cement.

**PRODUCTION CASING**

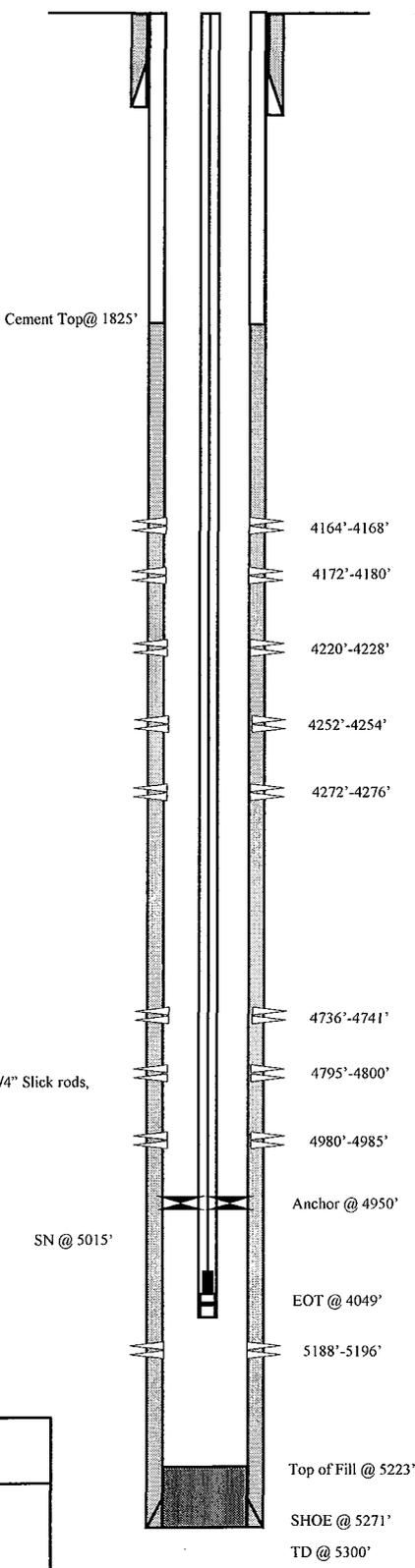
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 122 jts. (5261.75')  
 DEPTH LANDED: 5270.75'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 290 sxs Super "G" & 150 sxs 50/50 POZ.  
 CEMENT TOP AT: 1825' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 156 jts (4939.91)  
 TUBING ANCHOR: 4949.91'  
 NO. OF JOINTS: 2 jt (62.33')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5015.04'  
 NO. OF JOINTS: 1 jts (32.05')  
 TOTAL STRING LENGTH: EOT @ 4048.64'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22'  
 SUCKER RODS: 6-1 1/2" weight bars; 33-3/4" guided rods; 64-3/4" Slick rods, 99-3/4" guided rods, 1-2", 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: 86"  
 PUMP SPEED, SPM:



**FRAC JOB**

7/16/94	5188'-5196'	<b>Frac zone as follows:</b> 14,860# 20/40 sand + 11,600# 16/30 sand in 290 bbls 2% KCl frac fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 4400 psi. Screened out with 1660# sand left in casing.
7/16/94	4736'-4741'	<b>Frac zone as follows:</b> 14,100# 16/30 sand in 220 bbls 2% KCl frac fluid. Treated @ avg press of 4550 psi w/avg rate of 25 BPM. ISIP 1670 psi.
3/23/02		Tubing leak. Update rod and tubing details.
11/6/02	4736'-5196'	<b>Frac D,B,A Sands as follows:</b> 70,000# 20/40 sand in 538 bbls Viking 1-25 frac fluid. Treated @ avg press of 1975 psi w/avg rate of 26.5 BPM. ISIP 2420 psi. Calc flush: 4736 gal. Actual flush: 4662 gal.
11/6/02	4164'-4276'	<b>Frac GB,PT Sands as follows:</b> 95,021# 20/40 sand in 674 bbls Viking 1-25 frac fluid. Treated @ avg press of 1825 psi w/avg rate of 25 BPM. ISIP 2080 psi. Calc flush: 4164 gal. Actual flush: 4074 gal.
6-1-05		Parted Rods , updated Rod Detail
11-2-07		Tubing Leak, Updated rod & tubing details.
3/4/09		Parted rods. Updated r & t details.

**PERFORATION RECORD**

7/14/94	5188'-5196'	4 JSPF	32 holes
7/16/94	4736'-4741'	4 JSPF	20 holes
<b>RE-PERF</b>	11/5/02	5188'-5196'	5 JSPF 40 holes
	11/5/02	4980'-4985'	4 JSPF 20 holes
	11/5/02	4795'-4800'	4 JSPF 20 holes
<b>RE-PERF</b>	11/5/02	4736'-4741'	5 JSPF 25 holes
	11/6/02	4272'-4276'	4 JSPF 16 holes
	11/6/02	4252'-4254'	4 JSPF 8 holes
	11/6/02	4220'-4228'	4 JSPF 32 holes
	11/6/02	4172'-4180'	4 JSPF 32 holes
	11/6/02	4164'-4168'	4 JSPF 16 holes

**NEWFIELD**

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**Monument Federal #42-11J-9-16**

1991' FNL & 495' FEL

SENE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-30066; Lease #U-096550

# Monument Federal #12-12j-9-16

Spud Date: 10/09/93  
 Put on Production: 12/09/93  
 Put on Injection: 10/28/94  
 GL: 5542' KB: 5552'

Initial Production: 20 BOPD,  
 15 MCFD, 10 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (224.86')  
 DEPTH LANDED: 277' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

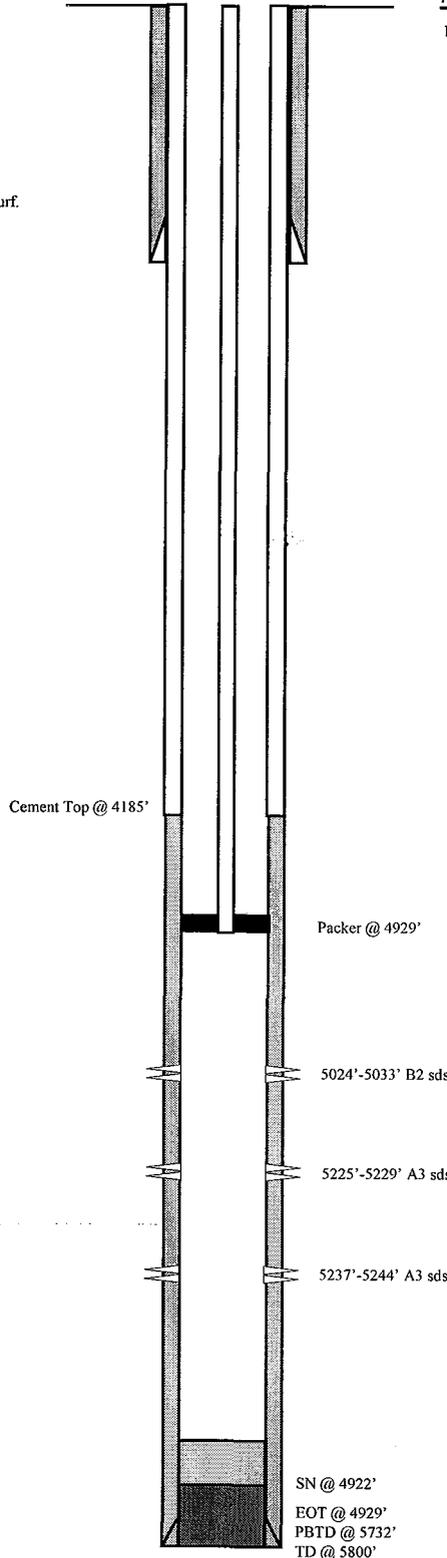
CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5723.70')  
 DEPTH LANDED: 5777.59'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 220 sxs Hifill & 290 sxs 50/50 POZ.  
 CEMENT TOP AT: 4185' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 159 jts (4921.20')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4922.30' KB  
 2 7/8" x 2 3/8" cross over  
 PACKER: 4929.10' KB  
 TOTAL STRING LENGTH: EOT @ 4929.10'

**FRAC JOB**

11/17/93 5029'-5244'  
 Frac zone as follows:  
 29,250# 20/40 sand + 20,000# 16/30 sand in 432 bbls frac fluid. Treated @ avg press of 2250 psi w/avg rate of 30.5 BPM. ISIP 2200 psi. Calc. flush: 5025 gal. Actual flush: 4956 gal.



**PERFORATION RECORD**

Date	Interval	Type	Holes
11/15/93	5024'-5033'	1 JSPF	4 holes
11/15/93	5225'-5229'	1 JSPF	4 holes
11/15/93	5237'-5244'	1 JSPF	7 holes

**NEWFIELD**

Monument Fed. #12-12j-9-16  
 737' FNL & 648' FWL  
 SWNW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31410; Lease #U-096550

# Monument Federal #22-12j-9-16

Spud Date: 7/05/94 (Re-entry)

Put on Production: 8/04/94

GL: 5503' KB: 5515'

Initial Production: 12 BOPD,  
NM MCFD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
GRADE:  
WEIGHT:  
DEPTH LANDED: 228' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs cement.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
DEPTH LANDED: 5294' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 327 sxs cement  
CEMENT TOP AT: 3820' per CBL

**TUBING**

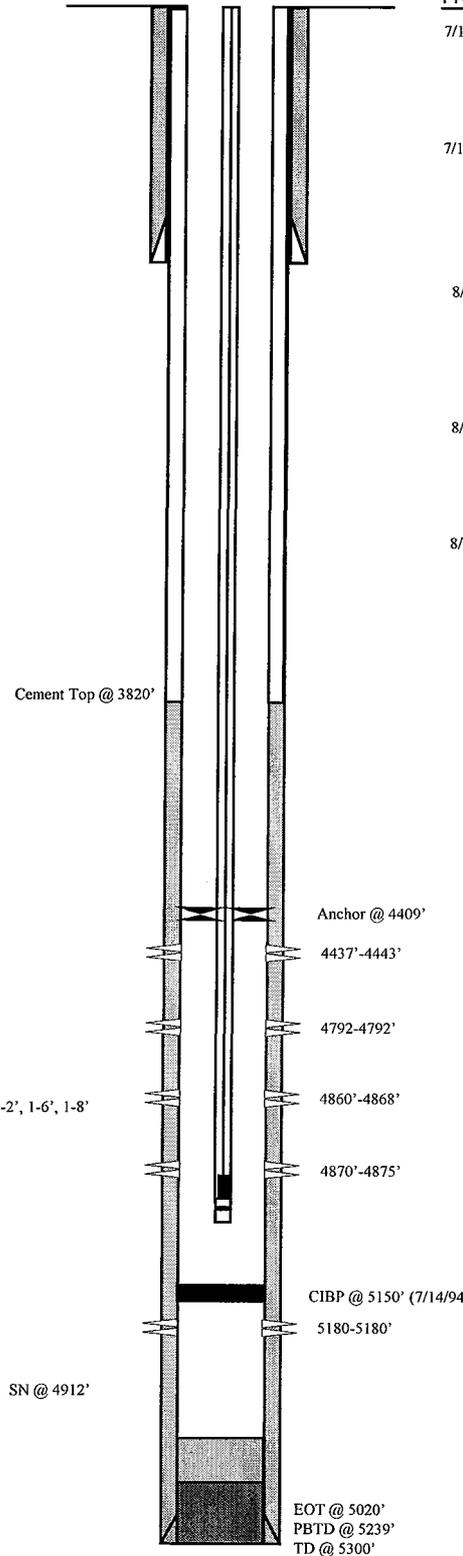
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 141 jts (4409.25')  
TUBING ANCHOR: 4949.2' KB  
NO. OF JOINTS: 16 jts (487')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4983.6' KB  
NO. OF JOINTS: 1 jt Perf sub (4.0')  
NO. OF JOINTS: 1 jt (26.5')  
TOTAL STRING LENGTH: EOT @ 5020.0' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 6- 1 1/2" sinker bar rods; 119-3/4" guided rods, 1-2', 1-6', 1-8' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 21' RHAC  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 4 SPM

**FRAC JOB**

7/19/94	4792'-4875'	<b>Frac zone as follows:</b> 27,000# 16/30 sand in 318 bbls frac fluid. Treated @ avg press of 4600 psi w/avg rate of 17.4 BPM. ISIP 3150 psi. Calc. flush: 1213 gal. Actual flush: 1205 gal.
7/19/94	4437'-4443'	<b>Frac zone as follows:</b> 21,280# 16/30 sand in 148 bbls frac fluid. Treated @ avg press of 4800 psi w/avg rate of 20 BPM. ISIP not recorded. Calc. flush: 2098 gal. Actual flush: 1092 gal. Screened out w/ 4890# sand in casing.
8/28/08	5176-5192'	<b>Frac A3 sds as follows:</b> 24,666# 20/40 sand in 283 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3548 psi @ ave rate of 13.1 BPM. ISIP 2270 psi. Actual flush: 1285 gals.
8/28/08	4790-4796'	<b>Frac D3 &amp; C sds as follows:</b> 23,599# 20/40 sand in 244 bbls of Lightning 17 fluid. Treated w/ ave pressure of 4323 psi @ ave rate of 13.3 BPM. ISIP 3992 psi. Actual flush: 1189 gals.
8/5/09		Tubing Leak. Updated rod & tubing details.



**PERFORATION RECORD**

Date	Interval	JSPF	Holes
7/12/94	5180-5180	3 JSPF	3 holes
7/14/94	4870'-4875'	4 JSPF	20 holes
7/14/94	4860'-4868'	4 JSPF	32 holes
7/14/94	4792-4792'	3 JSPF	3 holes
7/12/94	4437-4443'	4 JSPF	24 holes

**NEWFIELD**

Monument Fed. #22-12j  
2017' FNL & 2098' FWL  
SEW Section 12-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15796; Lease #U-096550

# Federal 1-13-9-16

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

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

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

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 180 jts (5609.88')  
 TUBING ANCHOR: 5619.88' KB  
 NO. OF JOINTS: 1 jts (31.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5654.10' KB  
 NO. OF JOINTS: 2 jts (62.55')  
 TOTAL STRING LENGTH: EOT @ 5718.20' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4" x 3/4" pony rod, 100-3/4" guided rods, 90-3/4" slick rods, 30-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' x 18' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

**FRAC JOB**

10/31/05 5686-5706' **Frac CP5 sands as follows:**  
 89079# 20/40 sand in 688 bbls Lightning 17 frac fluid. Treated @ avg press of 1303 psi w/avg rate of 24.8 BPM. ISIP 1900 psi. Calc flush: 5684 gal. Actual flush: 5431 gal.

10/31/05 4850-4868' **Frac B2 sands as follows:**  
 69180# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1759 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 4848 gal. Actual flush: 4633 gal.

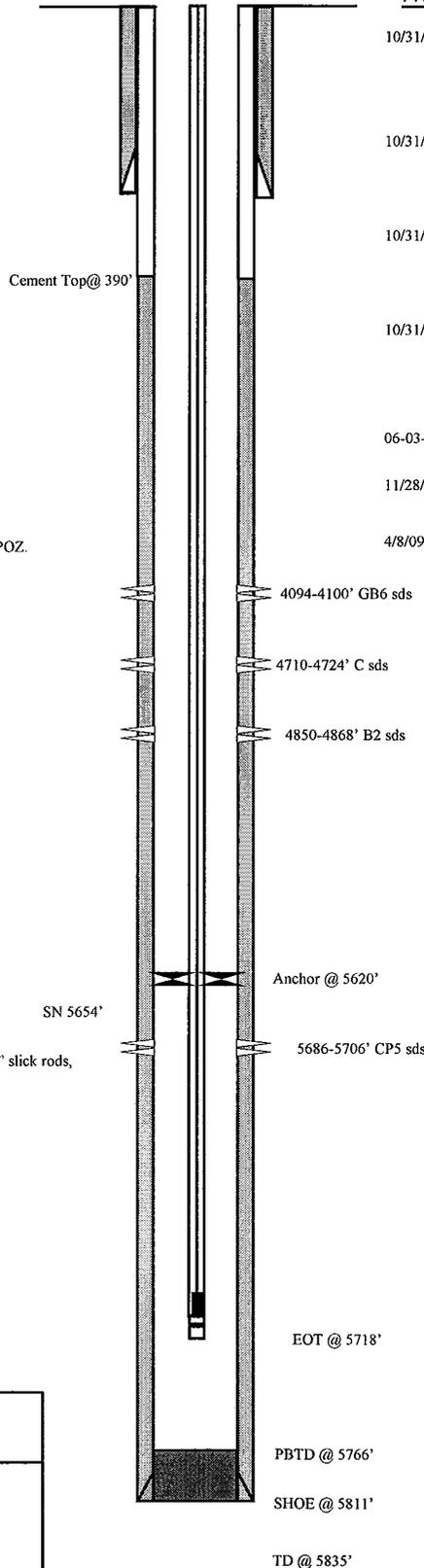
10/31/05 4710-4724' **Frac C sands as follows:**  
 98861# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4708 gal. Actual flush: 4507 gal.

10/31/05 4094-4100' **Frac GB6 sands as follows:**  
 33229# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1858 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4092 gal. Actual flush: 3935 gal.

06-03-06 Pump Change: Tubing & Rod Detail Updated

11/28/07 **Pump Change:** Updated tubing & rod detail

4/8/09 Parted rods. Updated r & t details.



**PERFORATION RECORD**

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

**NEWFIELD**

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**Federal 1-13-9-16**

487' FNL & 612' FEL

NE/NE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32660; Lease #UTU-75039

Spud Date: 8/2/96  
 Put on Production: 10/28/96  
 GL: 5508' KB: 5521'

# Monument Butte State 16-2-9-16

Initial Production: 55 BOPD,  
 80 MCFPD, 14 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (292.34')  
 DEPTH LANDED: 291.24' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium Plus cmt, est 3 bbls to surf.

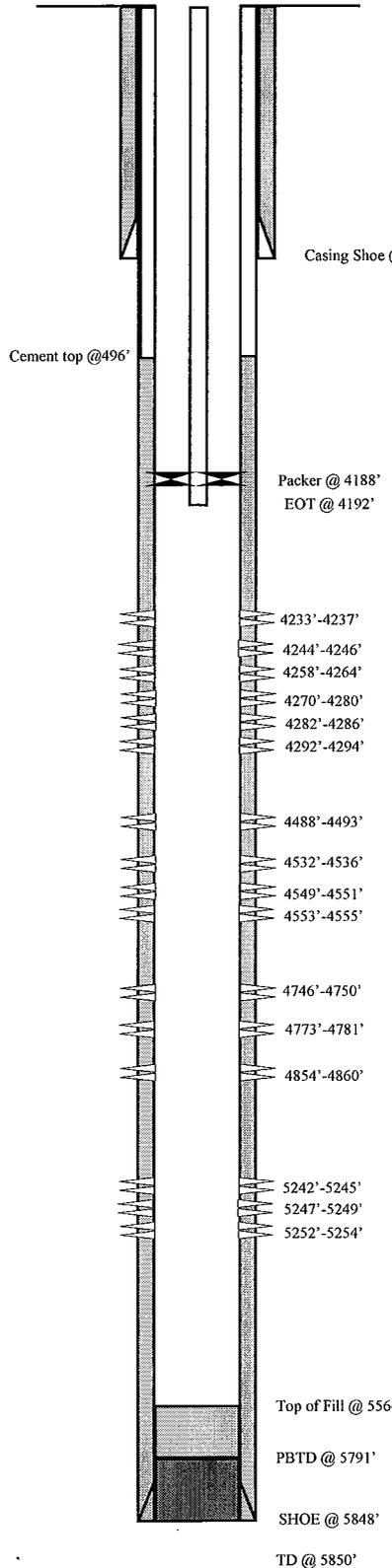
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5849.89')  
 DEPTH LANDED: 5847.89'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 480 sks Hibond mixed & 375 sks thixotropic  
 CEMENT TOP AT: 496' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 134 jts. (4170.37')  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 4183.37' KB  
 TOTAL STRING LENGTH: (EOT @ 4191.82')

## Injection Wellbore Diagram



## FRAC JOB

**10/18/96 5242'-5254'** **Frac A-3 sand as follows:**  
 73,000# of 20/40 sand in 446 bbls of Delta Frac fluid. Breakdown @ 4000 psi. Treated @ avg rate of 20 bpm w/avg press of 2350 psi. ISIP-2418 psi, 5-min 2358 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

**10/21/96 4746'-4860'** **Frac D-1 and D-3 zones as follows:**  
 81,500# of 20/40 sand in 454 bbls of Delta Frac fluid. Breakdown @ 1710 psi. Treated @ avg rate of 27.5 bpm w/avg press of 2300 psi. ISIP-2951 psi, 5-min 2475 psi. Flowback on 12/64" ck for 4 hours and died.

**10/23/96 4532'-4555'** **Frac PB-10 zone as follows:**  
 73,000# of 20/40 sand in 334 bbls of Delta Frac fluid. Well screened out w/3282 gal left in flush. Placed est 51,250# of sand into formation. Breakdown @ 2950 psi. Treated @ avg rate of 18.5 bpm w/avg press of 2100 psi. ISIP-3650 psi, 5-min 1328 psi. Flowback on 12/64" ck, rec 42 bbls sand laden fluid.

**10/7/02 4233'-4493'** **Frac PB-10 and GB-4 sands as follows:**  
 100,800# of 20/40 white mesh sand in 411 bbls Viking I-25 fluid. Treated @ avg. pressure of 1940 psi w/avg. rate of 24.8 BPM. ISIP 2350 psi. Calc. flush 4233 gal. Actual flush: 4158 gal.

**03/11/03** **Parted rods.**

**10/15/05** **Tubing Leak. Detail tubing and rod Update.**

**3/27/09** **Well converted to an Injection well.**

**4/7/09** **MIT completed and submitted.**

**8/31/09** **Tubing Leak. Updated rod & tubing details.**

**09/24/09** **5 Yr MIT**

## PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
10/17/96	5242'-5245'	4 JSPF	12 holes
10/17/96	5247'-5249'	4 JSPF	8 holes
10/17/96	5252'-5254'	4 JSPF	8 holes
10/19/96	4746'-4750'	4 JSPF	16 holes
10/19/96	4773'-4781'	4 JSPF	32 holes
10/19/96	4854'-4860'	4 JSPF	24 holes
10/22/96	4532'-4536'	4 JSPF	16 holes
10/22/96	4549'-4551'	4 JSPF	8 holes
10/22/96	4553'-4555'	4 JSPF	8 holes
10/5/02	4488'-4493'	4 JSPF	20 holes
10/5/02	4292'-4294'	4 JSPF	8 holes
10/5/02	4282'-4286'	4 JSPF	16 holes
10/5/02	4270'-4280'	4 JSPF	40 holes
10/5/02	4258'-4264'	4 JSPF	24 holes
10/5/02	4244'-4246'	4 JSPF	8 holes
10/5/02	4233'-4237'	4 JSPF	16 holes

**NEWFIELD**

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**Monument Butte State #16-2-9-16**  
 740 FSL & 664 FEL  
 SESE Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31510; Lease #ML-21839

# Monument Butte Federal #1-14-9-16

Spud Date: 11/17/82  
 Put on Production: 12/24/82  
 GL: 5472' KB: 5488'

Initial Production: 162 STBOPD,  
 100 MCFD, 0 STBWPD

Wellbore Diagram

**SURFACE CASING**

STRING: 1  
 SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs  
 LENGTH: 8 jts @ 323'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 339' KB  
 CEMENT DATA: 225 sk, Class G

Casing Shoe @ 339'

Cement Top @ 1465'

**PRODUCTION CASING**

STRING: 1  
 SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 lbs  
 LENGTH: 151 jts @ 5574'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5590' KB  
 CEMENT DATA: 325 sk, BJ Lite & 500 sk, Class G  
 CEMENT TOP AT: 1465' KB from CBL.

**TUBING RECORD**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 161 jts (5207.61')  
 TUBING ANCHOR: 5223.61' KB  
 NO. OF JOINTS: 1 jts (33.02')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5259.43' KB  
 NO. OF JOINTS: 2 jts (63.83')  
 TOTAL STRING LENGTH: EOT @ 5324.81' KB.

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1-4, 2-6', 1-8' x 3/4" pony rod, 201-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 1/2 SPM:

**FRAC JOB**

**4485'- 4524', Frac w/Halliburton on 2/21/82.**  
 28000 gal X-linked gel w/137000 lbs 20-40 mesh  
 sand. Avg 35 BPM @ 2305 psig, max @ 2470 psig, ISIP @ 2140 psig, 5 min @ 2030 psig, 10 min @ 1960 psig, 15 min @ 1920 psig.

**4772'- 4776', Frac w/Halliburton on 12/16/82.**  
 10500 gal X-linked gel w/45000 lbs 20-40 mesh  
 sand. Avg 25 BPM @ 2183 psig, max @ 2400 psig, ISIP @ 1950 psig, 5 min @ 1820 psig, 10 @ 1750 psig, 15 min @ 1740 psig min

**5250'- 5258', Frac w/Halliburton on 12/13/82.**  
 19000 gal X-linked gel w/50000 lbs 20-40 mesh  
 sand. Avg 20 BPM @ 1730 psig, max @ 1840 psig,  
 15 min SI @ 1070 psig. 10/31/05 4094-4100'

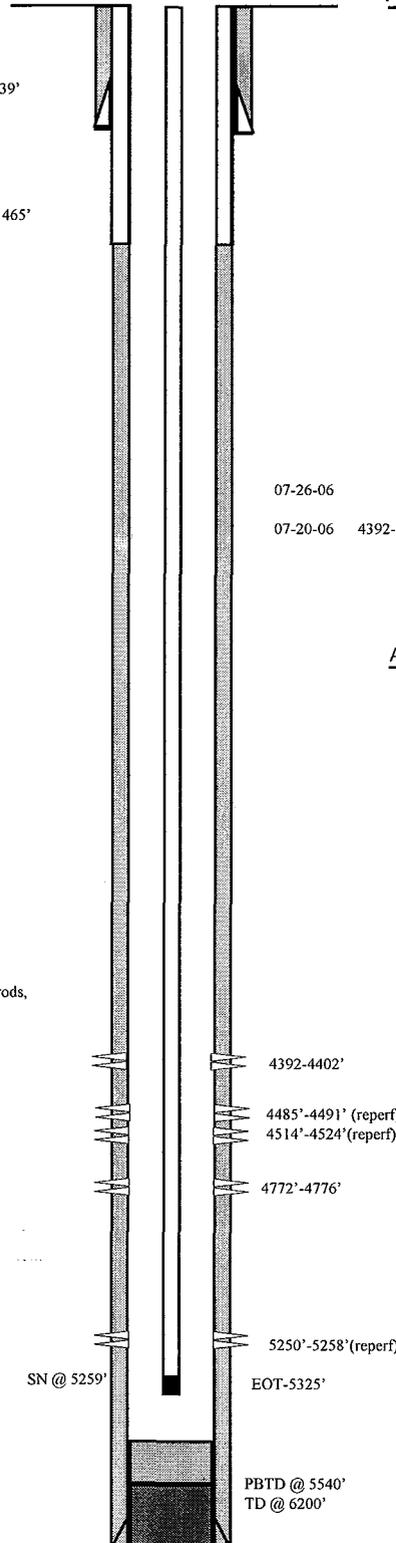
07-26-06 Recompletion. Rod & Tubing detail updated.

07-20-06 4392-4402' **Frac PB7 sands as follows:**  
 58,060# 20/40 sand in 484 bbls  
 Lightning 17frac fluid. Treated @ avg press of 3670 psi w/avg rate of 14.3 BPM. ISIP 2910 psi. Calc flush: 2712 gal. Actual flush: 1050

**ACID JOB**

**PERFORATION RECORD**

4485'- 4491' (6') 1 SPF YELLOW4  
 4514'- 4524' (10') 1 SPF YELLOWS  
 4772'- 4776' (4') 4 SPF RED1  
 5250'- 5258' (8') 2 SPF GREEN4  
 07/14/06 5250-5258' 4 JSPF 32 holes  
 07/14/06 4514-4524' 4 JSPF 40 holes  
 07/14/06 4485-4491' 4 JSPF 24 holes  
 07/14/06 4392-4402' 4 JSPF 40 holes



**Monument Butte Federal #1-14-9-16**  
 820 FSL 820 FWL  
 SWSW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30703; Lease #U-18399

# Monument Butte Federal #1-24-9-16

Spud Date: 12/11/82  
 Put on production: 2/2/83  
 Put on Injection: 8/18/94  
 GL: 5459' KB: 5474.5'

Initial Production: 62 STBOPD,  
 75 MCFD, 40 STBWPD

Injection Diagram

**SURFACE CASING**

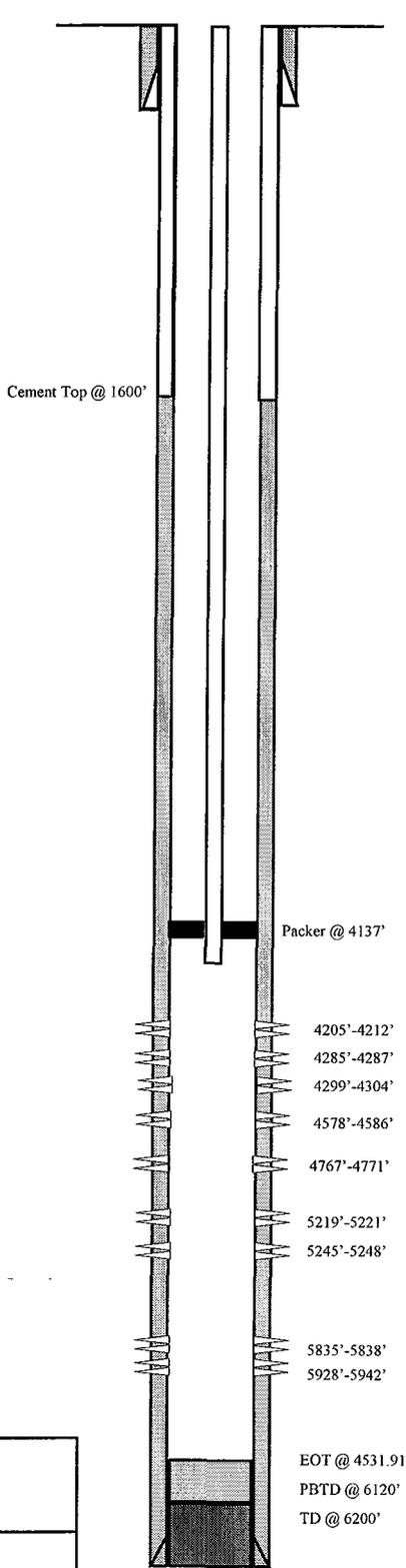
SIZE: 8 5/8" / J-55 / 24 lbs  
 LENGTH: 7 jts @ 274'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 289' KB  
 CEMENT DATA: 225 sx, Class G Cement to surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5#  
 LENGTH: 472'  
 SIZE: 5 1/2" / J-55 / 14#  
 LENGTH: 5693'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 6170' KB  
 CEMENT DATA: 480 sx, BI Lite & 650 sx, Class G  
 CEMENT TOP AT: 1600' KB from CBL

**INJECTION EQUIPMENT & SIZE**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 1 @ (32.50')  
 2 7/8" TBG SUB: @ (4.00')  
 2 7/8" TBG SUB: @ (10.00')  
 NO. OF JOINTS: 127 jts @ (4069.84')  
 PACKER @ (4136.79')  
 NO. OF JOINTS: 11  
 "XA SLIDING SLEEVE @ (3.13')  
 NO OF JOINTS: 1 @ (31.62')  
 TOTAL STRING LENGTH: EOT @ 4531.91' KB



**FRAC JOB**

- 1/25/83. 4205'- 4304', Frac w/Halliburton  
51500 gal X-linked Gel w/142000 lbs 20-40 sand. Avg. 30 BPM @ 2442 psig, max @ 2590 psig, ISIP @ 2230 psig, 5 min @ 1950 psig, 10 min @ 1860 psig, 15 min @ 1800 psig.
- 1/19/83. 4578'- 4586', Frac w/Halliburton  
22720 gal X-linked Gel w/57500 lbs 20-40 sand. Avg. 26 BPM @ 2571 psig, max @ 2910 psig, ISIP @ 2220 psig, 5 min @ 2080 psig, 10 min @ 2030 psig, 15 min @ 2000 psig
- 1/14/83. 4767'- 5221', Frac w/Halliburton  
26900 gal X-linked Gel w/61500 lbs 20-40 sand. Avg. 35 BPM @ 2973 psig, max @ 3250 psig, ISIP @ 1970 psig, 5 min @ 1860 psig, 10 min @ 1780 psig, 15 min @ 1740 psig.
- 1/9/83. 5835'- 5942', Frac w/Halliburton  
36000 gal X-linked Gel w/89000 lbs 20-40 sand. Avg. 30 BPM @ 2566 psig, max @ 2960 psig, ISIP @ 2020 psig, 5 min @ 1830 psig, 10 min @ 1770 psig, 15 min @ 1700 psig.
- 7/10/02. Tubing leak, MIT. Update tubing details.
- 11/10/06. Re-completion, Acidize BSS, A1, A3, and D1 sds. Drill out CIBP
- 10/13/06 5928'-5942. Acidize BSS sand as follows:  
5 BW ahead of acid: IR @ 1 BPM @ 1000 psi, 350 gals acid on perms: IR @ 1 BPM @ 1575 psi, 5 BW overdisplacement: Final IR @ 1 BPM @ 1660 psi, ISIP 1650 psi
- 10/13/06 5219'-5248'. Acidize A1 & A5 sands as follows:  
5 BW ahead of acid: IR @ .5 BPM @ 4000 psi, 400 gals acid on perms: IR @ 1.5 BPM @ 1100 psi 5 BW overdisplacement: Final IR @ 1.5 BPM @ 1100 psi, ISIP 1400 psi.

**PERFORATION RECORD**

4205'- 4212'	1 SPF
4285'- 4287'	1 SPF
4299'- 4304'	1 SPF
4578'- 4586'	2 SPF
4767'- 4771'	2 SPF
5219'- 5221'	1 SPF
5245'- 5248'	1 SPF
5835'- 5838'	1 SPF
5928'- 5942'	1 SPF

**NEWFIELD**

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Monument Butte Federal #1-24-9-16  
 820 FSL & 1950 FWL  
 SESW Section I-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30701; Lease #U-18399

# Jonah Federal #1-11-9-16

Spud Date: 9/18/00  
 Put on Production: 2/16/01  
 GL: 5573' KB: 5583'

Initial Production: 187 BOPD,  
 208 MCFD, 14 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (298.67')  
 DEPTH LANDED: 305'  
 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. (5588.12')  
 DEPTH LANDED: 5584'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

**TUBING**

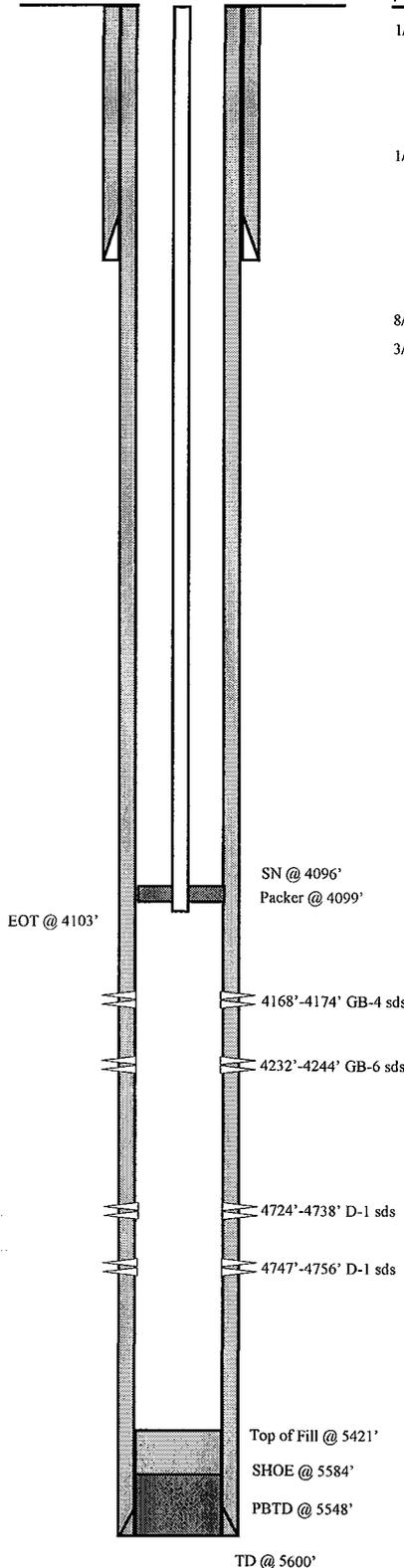
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 126 jts (4084.58')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4095.68'  
 PACKER AT: 4099'  
 TOTAL STRING LENGTH: EOT @ 4103'

**FRAC JOB**

1/15/01 4724'-4756' **Frac D1 sand as follows:**  
 89,625# 20/40 sand in 644 bbls Viking I-25 fluid. Perfs broke back @ 3010 psi. Treated @ avg press of 1900 psi w/ avg rate of 30.1 BPM. ISIP - 2390 psi. Left pressure on well.

1/15/01 4168'-4244' **Frac GB sand as follows:**  
 48,000# 20/40 sand in 425 bbls Viking I-25 fluid. Perfs broke back @ 1850 psi @ 3.5 BPM. Treated @ avg press of 1870 psi w/avg rate of 30.3 BPM. ISIP 1865 psi. Started flowback immediately on 12/64" choke @ 1 BPM. Flowed 3-3/4 hrs & died. Rec. 163 BTF.

8/30/02 Pump change. Update tubing details.  
 3/21/03 Conversion to Injector.



**PERFORATION RECORD**

1/15/01	4724'-4738'	4 JSPF	56 holes
1/15/01	4747'-4756'	4 JSPF	36 holes
1/15/01	4168'-4174'	4 JSPF	24 holes
1/15/01	4232'-4244'	4 JSPF	48 holes



**Jonah Federal #1-11-9-16**  
 660 FNL & 660 FEL  
 NE/NE Section 11-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32157; Lease #UTU-096550

# Getty Federal #12-1-9-16

Spud Date: 1/30/84  
Put on Production: 3/13/84

Initial Production: 60 BOPD,  
106 MCFD, 3 BWPD

GL: 5412' KB: 5425'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (227')  
DEPTH LANDED: 240'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 175 sxs Class "H" cmt, circulate to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 151 jts. (6160')  
DEPTH LANDED: 6173'  
HOLE SIZE: 8 3/4"  
CEMENT DATA: 760 sxs 65/35 POZ & 555 sxs Class "H" cement.  
CEMENT TOP AT: ? per CBL

**TUBING**

SIZE/GRADE/WT.: 2-3/8" / J-55 / ?#  
NO. OF JOINTS: 127 jts (4077.23')  
TUBING ANCHOR: 4093.03' KB  
NO. OF JOINTS: 59 jts (1684.85')  
SEATING NIPPLE: 2-3/8" (1.10')  
SN LANDED AT: 5778.75' KB  
NO. OF JOINTS: 1 jts Perf sub. (3.00')  
NO. OF JOINTS: 1 jts (26.40')  
TOTAL STRING LENGTH: EOT @ 5808.32' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 26-3/4" guide rods; 203-3/4" plain rods, 1-2', 1-4', 1-8' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

2/25/84 5693'-5754' **Frac zone as follows:**  
60,000# 20/40 sand + 20,000# 12/20 sand in 642 bbls Apollo fluid. Treated @ avg press of 2800 psi w/avg rate of 27 BPM. ISIP 1200 psi. Calc. flush: 5693 gal. Actual flush: 2058 gal. Screened out w/ 13,000# sand in casing.

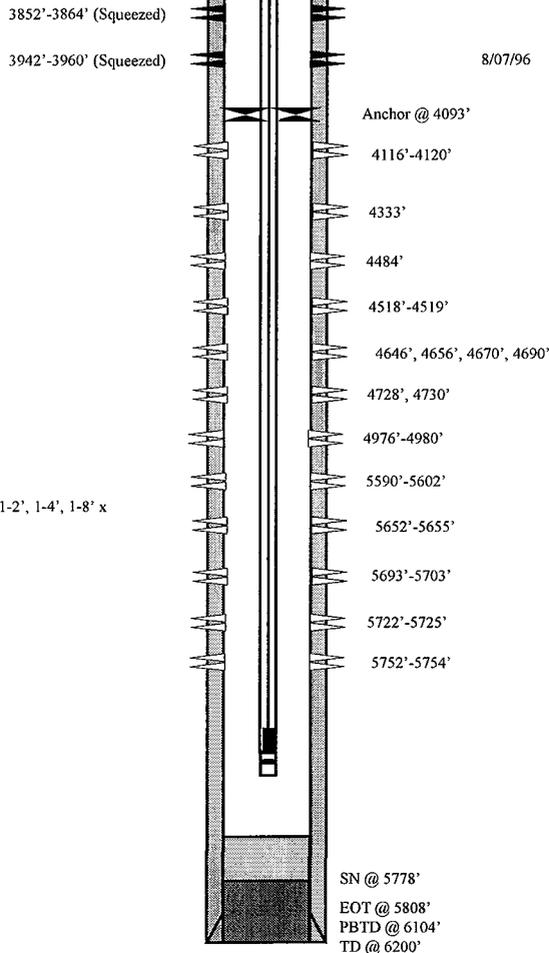
2/26/84 3852'-4730' **Frac zone as follows:**  
60,000# 20/40 sand + 20,000# 10/20 sand in 717 bbls Apollo fluid. Treated @ avg press of 3400 psi w/avg rate of 30 BPM. ISIP 1400 psi. Calc. flush: 3852 gal. Actual flush: 3864 gal.

3/27/84 5590'-5602' **Frac zone as follows:**  
50,000# 20/40 sand in 476 bbls Apollo fluid. Treated @ avg press of 4600 psi w/avg rate of 20 BPM. ISIP 1500 psi. Calc. flush: 1401 gal. Actual flush: 1386 gal.

3/29/84 4399'-4410' **Frac zone as follows:**  
50,000# 20/40 sand in 476 bbls Apollo fluid. Treated @ avg press of 4300 psi w/avg rate of 21 BPM. ISIP 1750 psi. Calc. flush: 1114 gal. Actual flush: 1113 gal.

8/31/94 4976'-4980' **Frac zone as follows:**  
13,560# 16/30 sand in 123 bbls Viking I-35 fluid. Treated @ avg press of 4500 psi w/avg rate of 8.1 BPM. ISIP 1740 psi. Calc. flush: 950 gal. Actual flush: 924 gal.

8/07/96 Pump change. Update rod and tubing details.



**PERFORATION RECORD**

2/25/84 5652', 5654', 5655', 5693', 5698', 5700', 5703', 5722', 5725', 5752', 5754' 1 JSPF

2/26/84 3852', 3858', 3860', 3862', 3864', 3942', 3946', 3952', 3956', 3960', 4116', 4118', 4120', 4333', 4393', 4396', 4398', 4400', 4402', 4405', 4408', 4484', 4518', 4519', 4646', 4656', 4670', 4690', 4728', 4730' 1 JSPF

3/27/84 5590'-5602' 4 JSPF 48 holes

3/30/84 4399'-4410' 3 JSPF 30 holes

8/31/94 4976'-4980' 4 JSPF 16 holes



Getty Fed. #12-1-9-16  
501' FNL & 2012' FEL  
NWNE Section 12-T9S-R19E  
Duchesne Co, Utah  
API #43-013-30889; Lease #U-44426

# C & O Gvmt. #1-12-9-16

Spud Date: 10/12/64  
 Put on Production: 12/10/64  
 GL: 5456' KB: 5468'

Initial Production: 480 BOPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 10 3/4"  
 WEIGHT: 32.75#  
 LENGTH: 8 jts. (217')  
 DEPTH LANDED: 229'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 135 cu. ft. Ideal Type II.

**PRODUCTION CASING**

CSG SIZE: 5-1/2" / 17# / N-80  
 LENGTH: 41 jts. (1253.85')  
 CSG SIZE: 5-1/2" / 15.5# / J-55  
 LENGTH: 127 jts. (3927.00')  
 CSG SIZE: 5-1/2" / 17# / N-80  
 LENGTH: 1 jt. (20.00')  
 DEPTH LANDED: 5200.00'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 315 cu. ft. 50/50 POZ + 75 sxs 50/50 POZ.  
 CEMENT TOP AT: 4750' per CBL

**TUBING**

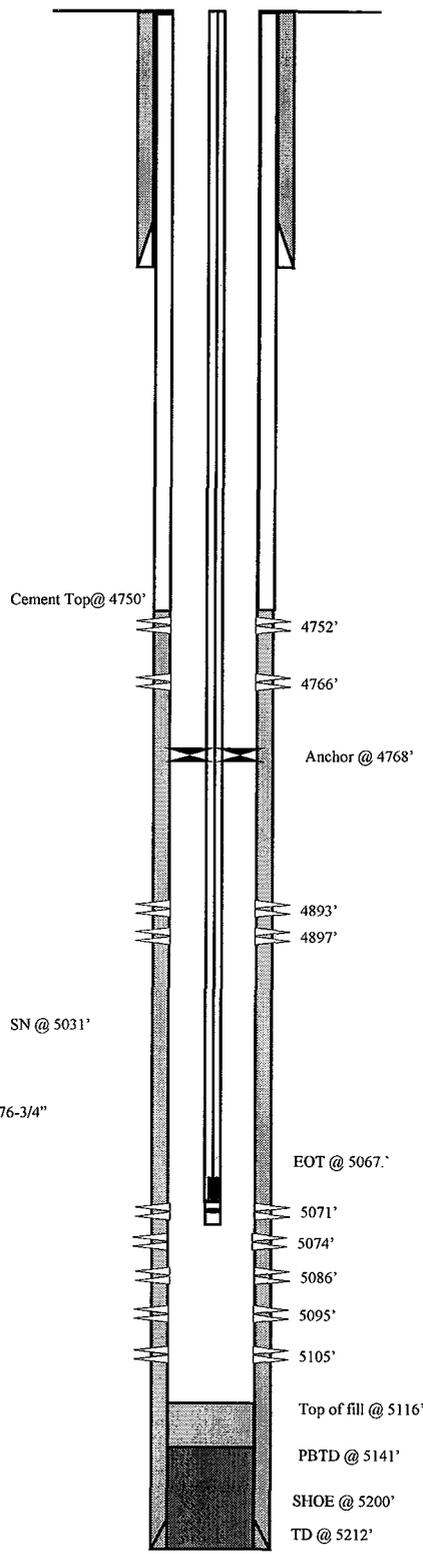
SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4755.94') 20 new  
 TUBING ANCHOR: 4767.94' KB  
 NO. OF JOINTS: 8 jts (260.21')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5030.95' KB  
 NO. OF JOINTS: 1 jts Perf sub (4')  
 NO. OF JOINTS: 1 jts (30.88')  
 TOTAL STRING LENGTH: EOT @ 5067.38'

**SUCKER RODS**

POLISHED ROD: 1 1/4" x 16' polished rods  
 SUCKER RODS: 1-2' & 1-4' x 3/4" pony rods, 95-3/4" guided rods, 76-3/4" plain rods, 20-3/4" guided rods, 6-1 5/8" wt bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
 STROKE LENGTH: 44"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: IES, SGR, ML, CBL

**FRAC JOB**

12/64	5071'-5074'	<b>Frac zone as follows:</b> 13,900# sand + 3150# glass beads in 721 bbls lease crude oil. Treated @ avg press of 3850 psi w/avg rate of 37 BPM.
12/64	4893'-4897'	<b>Frac zone as follows:</b> 13,900# sand + 1575# glass beads in 721 bbls lease crude oil. Treated @ avg press of 4000 psi w/avg rate of 29 BPM.
5/20/73	5071'-5105'	<b>Frac zone as follows:</b> 16,500# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 6 BPM.
5/21/73	4752'-4766'	<b>Frac zone as follows:</b> 14,000# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 3500 psi w/avg rate of 16 BPM.
6/18/99		Pump change. Update rod and tubing details.
5/13/03		Tubing leak. Update rod and tubing details.
08/29/06		Pump Change. Update rod & Tubing details



**PERFORATION RECORD**

Date	Depth Range	SPF	Holes
12/64	5074'	4	04 holes
12/64	5071'	4	04 holes
12/64	4897'	4	04 holes
12/64	4893'	4	04 holes
05/93	5105'	3	03 holes
05/93	5095'	3	03 holes
05/93	5086'	3	03 holes
05/93	4766'	3	03 holes
05/93	4752'	3	03 holes

**NEWFIELD**



C&O Gov't. #1-12-9-16  
 1905 FSL & 660 FWL  
 NWSW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15111 Lease #U-035521 A

# S. Monument Butte S-2-9-16

Spud Date: 10-16-06  
 Put on Production: 12-15-06  
 GL: 5511' KB: 5523'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.39')  
 DEPTH LANDED: 323.24' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

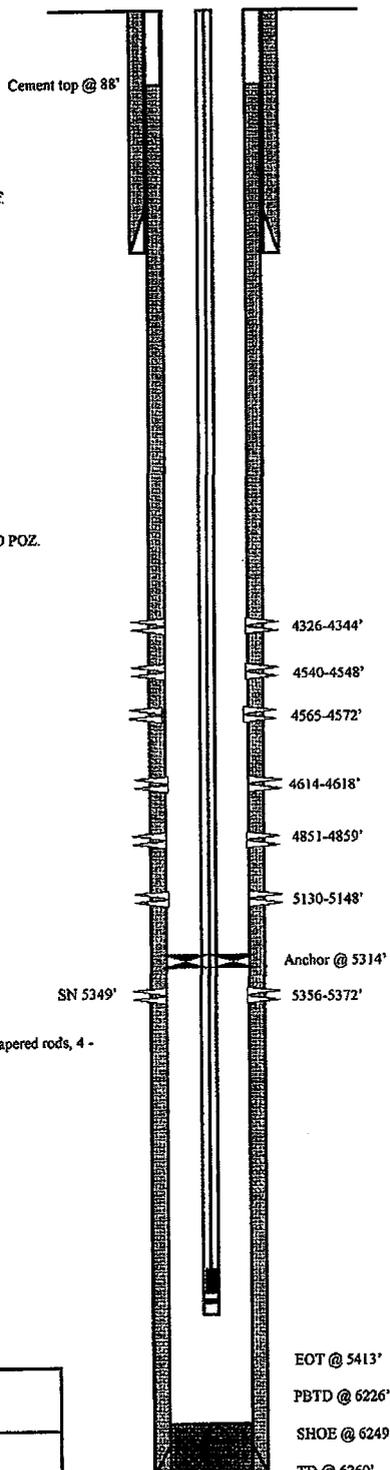
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts (6236.08')  
 DEPTH LANDED: 6249.33' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 88'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5302.14')  
 TUBING ANCHOR: 5314.14' KB  
 NO. OF JOINTS: 1 jts (31.60')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5348.54' KB  
 NO. OF JOINTS: 2 jts (63.36')  
 TOTAL STRING LENGTH: EOT @ 5413.45' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-8", 1-6", 2-4" x 7/8 pony rods, 100- 7/8" scraped rods, 4 - 1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-3/4" x 20' RHAC w/SM plunger  
 STROKE LENGTH: 124"  
 PUMP SPEED, SPM: 5.5 SPM



### FRAC JOB

- 11-29-06 5356-5372' **Frac A3 sands as follows:**  
80166# 20/40 sand in 612 bbls Lightning 17 frac fluid. Treated @ avg press of 1935 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 5354 gal. Actual flush: 4851 gal.
- 11-29-06 5130-5148' **Frac B2 sands as follows:**  
80287# 20/40 sand in 603 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5128 gal. Actual flush: 4624 gal.
- 11-29-06 4851-4859' **Frac D1 sands as follows:**  
24904# 20/40 sand in 329 bbls Lightning 17 frac fluid. Treated @ avg press of 1935 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4849 gal. Actual flush: 4343 gal.
- 11-29-06 4540-4618' **Frac FB10, & FB11 sands as follows:**  
65292# 20/40 sand in 506 bbls Lightning 17 frac fluid. Treated @ avg press of 2210 w/ avg rate of 25 BPM. ISIP 2550 psi. Calc flush: 4538 gal. Actual flush: 4032 gal.
- 11-29-06 4326-4344' **Frac GB6 sands as follows:**  
85183# 20/40 sand in 596 bbls Lightning 17 frac fluid. Treated @ avg press of 1965 w/ avg rate of 25 BPM. ISIP 2160 psi. Calc flush: 4324 gal. Actual flush: 4200 gal.

### PERFORATION RECORD

Date	Depth Range	JSPF	Holes
11-21-06	5356-5372'	4 JSPF	64 holes
11-29-06	5130-5148'	4 JSPF	72 holes
11-29-06	4851-4859'	4 JSPF	32 holes
11-29-06	4614-4618'	4 JSPF	16 holes
11-29-06	4565-4572'	4 JSPF	28 holes
11-29-06	4540-4548'	4 JSPF	32 holes
11-29-06	4326-4344'	4 JSPF	72 holes

EOT @ 5413'  
 PBTD @ 6226'  
 SHOE @ 6249'  
 TD @ 6260'

**NEWFIELD**

---

**S. Monument Butte S-2-9-16**

748' FSL & 687' FEL

SE/SE Section 2-T9S-R16E

Duchesne Co, Utah

API # 43-013-33219; Lease # ML-21839

Spud Date 12/2/82  
 Put on production: 1/12/83  
 Put on Injection: 8/18/94  
 GL: 5488' KB: 5500'

# Monument Butte Fed. #1-13-9-16

## Injection Wellbore Diagram

Initial Production: 265 BOPD,  
 100 MCFD, 0 BWPD

### SURFACE CASING

SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 7 jts @ 295'  
 DEPTH LANDED: 311'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 225 sxs, Class "G". Cement to surface.

### PRODUCTION CASING:

CSG SIZE: 5-1/2" / J-55 / 15.5#  
 LENGTH: 15 jts  
 CSG SIZE: 5-1/2" / J-55 / 14#  
 LENGTH: 132 jts.  
 DEPTH LANDED: 6002' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sxs BJ Lite & 525 sxs Class "G".  
 CEMENT TOP AT: 1800' per CBL

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 132 jts (4235.01')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT: 4228.27' KB  
 2 7/8" x 2 3/8" CROSS-OVER  
 TUBING PACKER 4235 27'  
 SIZE/GRADE/WT 2-3/8" / J-55  
 NO OF JOINTS 19 jts (4858.03')  
 SEATING NIPPLE 2-3/8" (1 10')  
 SN LANDED AT: 4235.01' KB  
 TUBING PACKER 4239 36'  
 TOTAL STRING LENGTH: EOT @ 4243.56'

### FRAC JOB

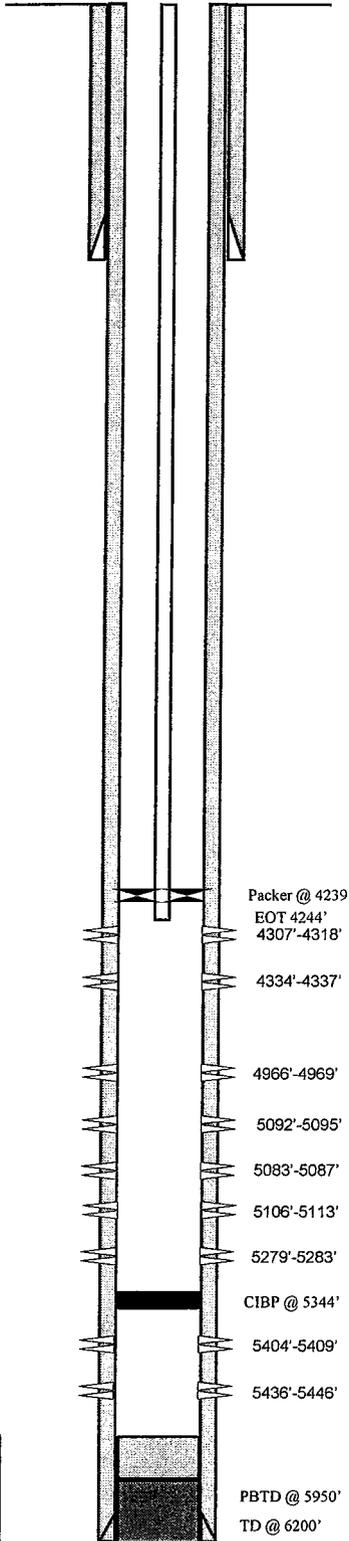
1/10/83 4966'-5283' **Frac zone as follows:**  
 200,800 lbs 20-40 sand in 1767 bbls. fluid.  
 Avg treating press. 2770 psig @ 60 BPM  
 ISIP @ 2070 psig. Calc. Flush: 4966 gal,  
 Actual flush: 5100 gal.

4/23/83 5404'-5446' **Frac zone as follows:**  
 91,000 lbs 20-40 sand in 990 bbls. fluid.  
 Avg treating press. 4417 psig @ 20 BPM  
 ISIP @ 2610 psig. Calc. Flush: 5404 gal,  
 Actual flush: 2100 gal.

5/26/83 4307'-4327' **Frac zone as follows:**  
 122,000 lbs 20-40 sand in 1098 bbls. fluid.  
 Avg treating press. 2045 psig @ 20 BPM  
 ISIP @ 2100 psig. Calc. Flush: 4307 gal,  
 Actual flush: 5100 gal.

9/13/06 **Well Re-completed (reperf A3 sds, C sds, B2 sds.)**

10/13/06 **MIT completed and submitted.**



### PERFORATION RECORD:

Date	Depth Range	SPF	Holes
1/08/83	5279'-5283'	1	5
1/08/83	5106'-5113'	1	7
1/08/83	5083'-5087'	1	4
1/08/83	5092'-5095'	1	5
1/08/83	4966'-4969'	1	4
4/22/83	5436'-5446'	2	20
4/22/83	5404'-5409'	2	10
5/25/83	4334'-4337'	2	6
5/25/83	4307'-4318'	2	22

**NEWFIELD**



**Monument Butte Federal #1-13**  
 1820 FSL & 685 FWL  
 NWSW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30702; Lease #U-18399

**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 4-12-9-16**  
 Sample Point: **tank**  
 Sample Date: **11/20/2009**  
 Sales Rep: **Randy Huber**  
 Lab Tech: **Peter Poulsen**

Sample ID: **WA-33960**

Sample Specifics	
Test Date:	11/20/2009
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0120
pH:	7.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	9159
Molar Conductivity (µS/cm):	13877
Resitivity (Mohm):	0.7206

Analysis @ Properties in Sample Specifics			
Cations		Anions	
	mg/L		mg/L
Calcium (Ca):	40.00	Chloride (Cl):	4000.00
Magnesium (Mg):	-	Sulfate (SO <sub>4</sub> ):	14.00
Barium (Ba):	3.00	Dissolved CO <sub>2</sub> :	-
Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1878.00
Sodium (Na):	3222.00	Carbonate (CO <sub>3</sub> ):	-
Potassium (K):	-	H <sub>2</sub> S:	2.00
Iron (Fe):	0.06	Phosphate (PO <sub>4</sub> ):	-
Manganese (Mn):	0.04	Silica (SiO <sub>2</sub> ):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
Ammonia NH <sub>3</sub> :	-	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 CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100	0	2.98	7.11	0.00	-2271.20	0.00	-2397.40	-	-	1.18	0.68	1.55
80	0	2.24	4.86	0.00	-18.62	0.00	-2550.10	-	-	1.79	2.04	0.73
100	0	2.98	7.11	0.00	-14.61	0.00	-2397.40	-	-	1.18	0.68	0.90
120	0	3.70	9.11	0.00	-11.48	0.00	-2173.00	-	-	0.80	-1.08	1.01
140	0	4.40	11.09	0.00	-8.99	0.00	-1909.10	-	-	0.55	-3.28	1.13
160	0	5.06	13.00	0.00	-7.03	0.00	-1632.70	-	-	0.38	-5.96	1.28
180	0	5.63	14.76	0.00	-5.50	0.00	-1364.40	-	-	0.27	-9.14	1.40
200	0	6.10	16.23	0.00	-4.35	0.00	-1117.40	-	-	0.20	-12.85	1.42
220	2.51	6.40	17.42	0.00	-3.53	0.00	-908.65	-	-	0.14	-17.44	1.44
240	10.3	6.62	18.08	0.00	-2.91	0.00	-720.53	-	-	0.11	-22.43	1.46
260	20.76	6.73	18.31	0.00	-2.47	0.00	-563.00	-	-	0.08	-28.10	1.49
280	34.54	6.74	18.18	0.00	-2.17	0.00	-433.86	-	-	0.06	-34.50	1.52
300	52.34	6.67	17.78	0.00	-1.96	0.01	-329.77	-	-	0.04	-41.73	1.55

**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:**



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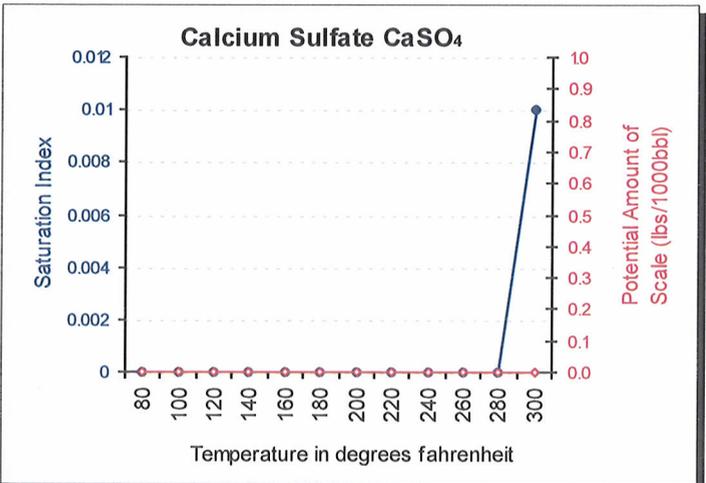
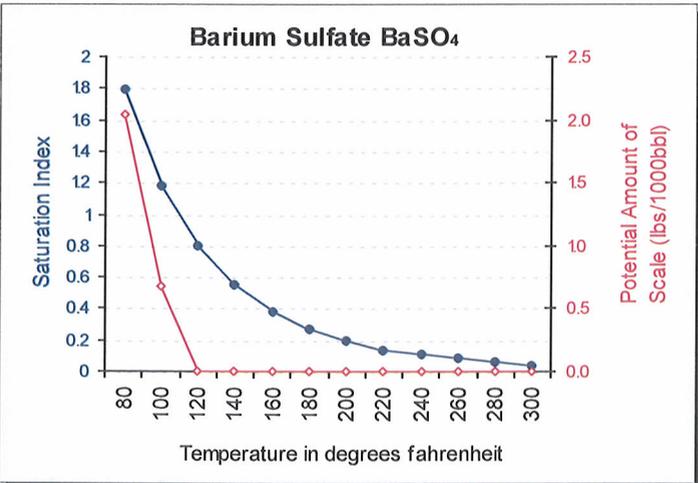
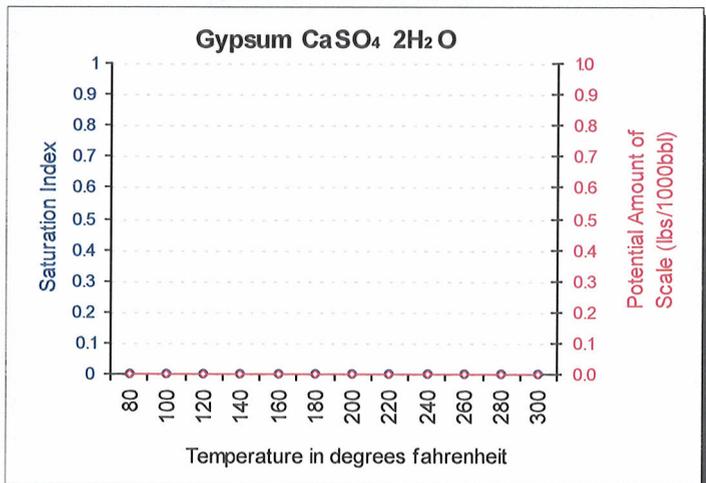
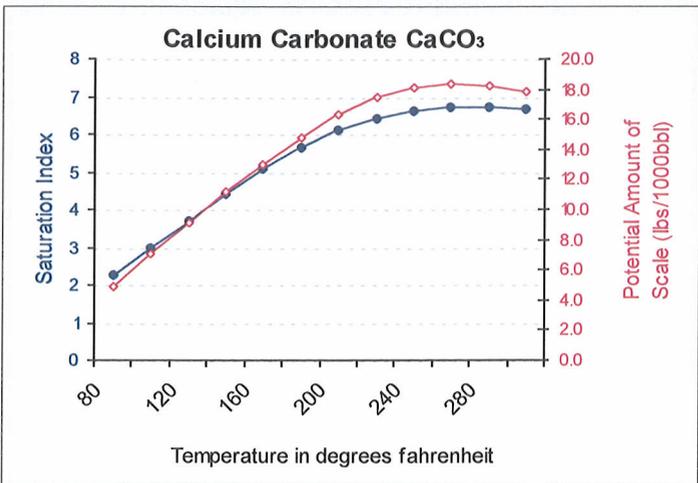
**Multi-Chem Group, LLC**

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

**Scale Prediction Graphs**

Well Name: **Jonah 4-12-9-16**

Sample ID: **WA-33960**



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

**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		Anions	
	mg/L		mg/L
Calcium (Ca):	80.00	Chloride (Cl):	4000.00
Magnesium (Mg):	48.80	Sulfate (SO <sub>4</sub> ):	323.00
Barium (Ba):	34.00	Dissolved CO <sub>2</sub> :	-
Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	658.00
Sodium (Na):	2785.00	Carbonate (CO <sub>3</sub> ):	-
Potassium (K):	-	H <sub>2</sub> S:	2.00
Iron (Fe):	2.08	Phosphate (PO <sub>4</sub> ):	-
Manganese (Mn):	0.57	Silica (SiO <sub>2</sub> ):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
Ammonia NH <sub>3</sub> :	-	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 CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub> 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:**

Attachment F  
4 of 4



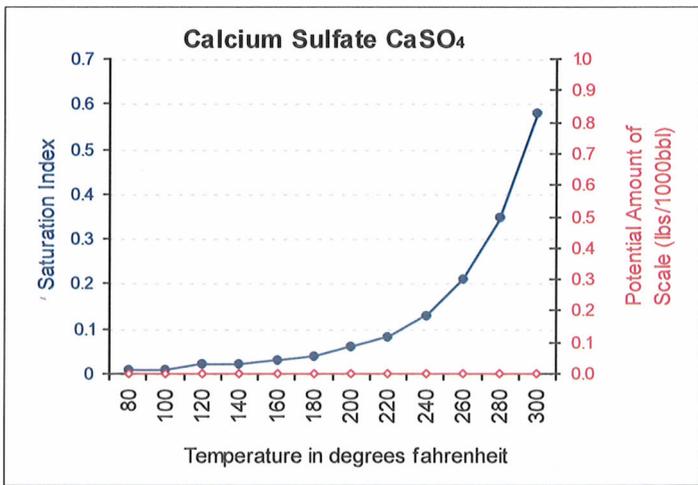
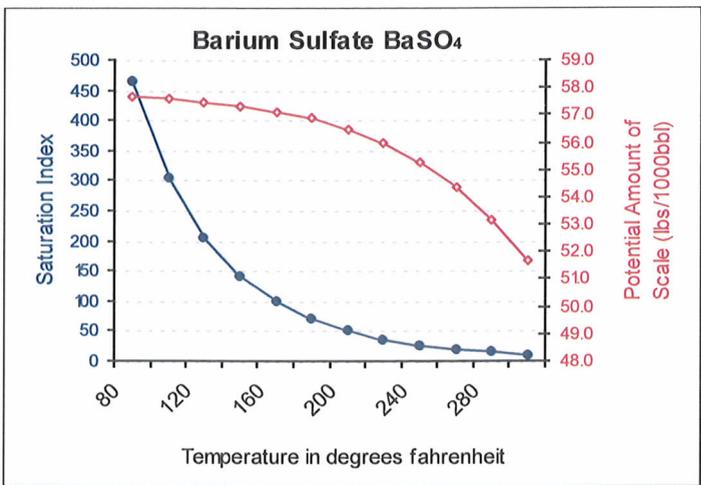
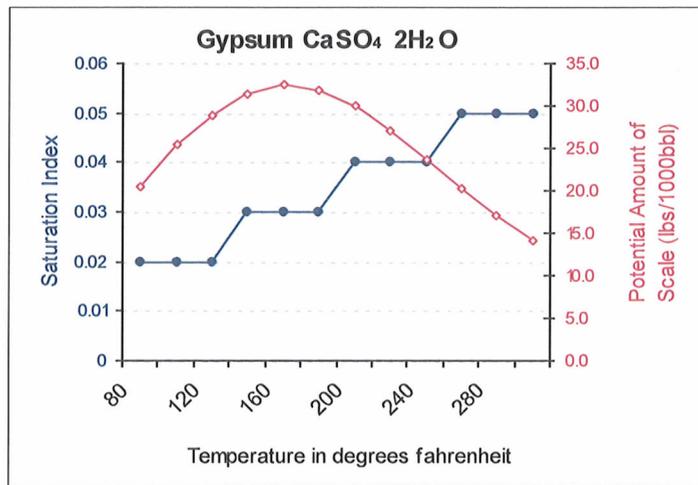
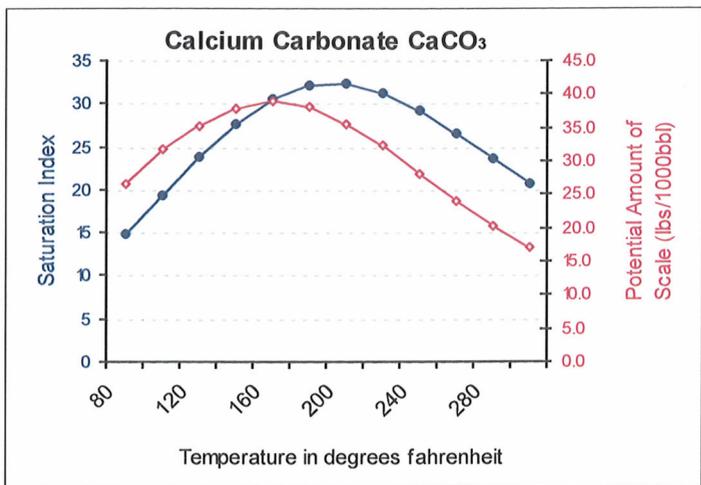
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**Multi-Chem Group, LLC**  
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

Scale Prediction Graphs

Well Name: JONAH INJ

Sample ID: WA-35263



**Attachment "G"**

**Jonah Unit #4-12-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4862	4868	4865	1855	0.81	1823 ←
5244	5267	5256	2395	0.89	2361
				<b>Minimum</b>	<u>1823</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 6-1  
187

**DAILY COMPLETION REPORT**

**WELL NAME:** Jonah 4-12-9-16 **Report Date:** 6/6/01 **Completion Day:** 01  
**Present Operation:** Completion **Rig:** KES #965

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 299' **Prod Csg:** 5 1/2" **Wt:** 15.5# @ 5582' **Csg PBTD:** 5569'(est)  
**Tbg:** **Size:** 2 7/8 **Wt:** 6.5# **Grd:** J-55 ("B") **EOT @:** 0 **BP/Sand PBTD:** \_\_\_\_\_

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 05-Jun-01 **SITP:** \_\_\_\_\_ **SICP:** 0

MIRU KES #965. Install 5M frac head. NU 5M BOP. Pressure test csg & sfc equipment to 3000 psi. Tally, drift, PU & TIH W/ 4 3/4" bit, 5 1/2" csg scraper & 175 jts 2 7/8 8rd 6.5# J-55 tbg (inspected blue band) to 5479'. Did not tag PBTD. Swab FL dn to 4700'. Rec 112 BTF. TOH W/ tbg. LD bit & scraper. SIFN W/ est 20 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 132 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 112 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 20 **Cum oil recovered:** 0  
**IFL:** sfc **FFL:** 4700' **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** 0

**STIMULATION DETAIL**

**COSTS**

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

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

**Procedure or Equipment detail:**

KES rig	\$2,774
BOP	\$130
Trucking	\$1,700
CBL	\$2,144
Tbg head	\$1,500
Water & trucking	\$200
Treat-O-Clay	\$125
Tbg (inspected)	\$13,369
csg scraper	\$275
Loc. Preparation	\$300
Drilling cost	\$147,676
IPC Supervision	\$200

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

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

**ISIP:** \_\_\_\_\_ **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **15 min:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$170,393

**TOTAL WELL COST:** \$170,393



Attachment 9-1  
2 of 7

DAILY COMPLETION REPORT

WELL NAME: Jonah 4-12-9-16

Report Date: 6/7/01

Completion Day: 02 (a)

Present Operation: Completion

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 299' Prod Csg: 5 1/2" Wt: 15.5# @ 5582' Csg PBDT: 5569'(est)  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 ("B") EOT @: 0 BP/Sand PBDT: \_\_\_\_\_

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	5244-5250'	4/24			
A3 sds	5254-5267'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Jun-01 SITP: \_\_\_\_\_ SICP: 0

NU BJ Services "Ram Head" flange. RU Schlumberger and perf A3 sds @ 5244-50' & 5254-67' W/ 4 JSPF. 1 run. RU BJ services and frac A3 sds W/ 89,647# 20/40 sand in 660 bbls Viking I-25 fluid. Perfs broke dn @ 2643 psi. Treated @ ave press 1960 psi W/ ave rate of 29.7 BPM ISIP 2395 psi. Leave pressure on well. Est 680 BWTR.

See day 2(b).

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 20 Starting oil rec to date: 0  
Fluid lost/recovered today: 660 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 680 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A3 sands

- 6500 gals of pad
- 4500 gals W/ 1-5 ppg of 20/40 sand
- 9000 gals W/ 5-8 ppg of 20/40 sand
- 2544 gals W/ 8 ppg of 20/40 sand
- Flush W/ 5166 gals of slick water

COSTS

KES rig	\$824
BOP	\$130
Schlumberger-A sds	\$2,854
BJ Services-A sds	\$29,539
Frac water	\$750
Fuel gas (+/- 30 mcf)	\$150
IPC Supervision	\$100

Max TP: 2721 Max Rate: 30 BPM Total fluid pmpd: 660 bbls

Avg TP: 1960 Avg Rate: 29.7 BPM Total Prop pmpd: 89,647#

ISIP: 2395 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .89

Completion Supervisor: Gary Dietz

DAILY COST: \$34,347

TOTAL WELL COST: \$204,740



Attachment B-1  
3 of 7

DAILY COMPLETION REPORT

WELL NAME: Jonah 4-12-9-16

Report Date: 6/7/01

Completion Day: 02(b)

Present Operation: Completion

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 299' Prod Csg: 5 1/2" Wt: 15.5# @ 5582' Csg PBTD: 5569'(est)  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 ("B") EOT @: 0 BP/Sand PBTD: 5055'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D3 sds	4862-4868'	4/24			
A3 sds	5244-5250'	4/24			
A3 sds	5254-5267'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Jun-01 SITP: \_\_\_\_\_ SICP: 2395

RU Schlumberger and run 5 1/2" "CE" RBP & 4" perf gun. Set plug @ 5055'. Bleed pressure off well. Rec est 2 BW. Perf D3 sds @ 4862-68' W/ 4 JSPF. RU BJ Services and ~~run D3 sds W/ 29,647# 20/40 sand @ 299 bbls Viking I-25~~ fluid. Perfs broke dn @ 4030 psi. Treated @ ave press of 2400 psi W/ ave rate of 24.3 BPM. ISIP 1855 psi. Leave pressure on well. Est 977 BWTR.

See day 2(c).

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 680 Starting oil rec to date: 0  
Fluid lost/recovered today: 297 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 977 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

COSTS

Base Fluid used: Viking I-25 Job Type: Sand frac

KES rig \$824

Company: BJ Services

RBP rental \$700

Procedure or Equipment detail: D3 sands

Schlumberger-D sds \$1,797

2200 gals of pad

BJ Services-D sds \$10,829

1750 gals W/ 1-5 ppg of 20/40 sand

Frac water \$400

3836 gals W/ 5-8 ppg of 20/40 sand

Fuel gas (+/- 15 mcf) \$75

Flush W/ 4788 gals of slick water

IPC Supervision \$100

Max TP: 2950 Max Rate: 24.6 BPM Total fluid pmpd: 299 bbls

Avg TP: 2400 Avg Rate: 24.3 BPM Total Prop pmpd: 29,647#

ISIP: 1855 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .81

DAILY COST: \$14,725

Completion Supervisor: Gary Dietz

TOTAL WELL COST: \$219,465



Attachment G-1  
4/27

DAILY COMPLETION REPORT

WELL NAME: Jonah 4-12-9-16

Report Date: 6/7/01

Completion Day: 02(c)

Present Operation: Completion

Rig: KES #965

WELL STATUS

Surf Csg: <u>8 5/8</u>	@ <u>299'</u>	Prod Csg: <u>5 1/2"</u>	Wt: <u>15.5#</u>	@ <u>5582'</u>	Csg PBTD: <u>5569'(est)</u>
Tbg: <u>Size: 2 7/8</u>	Wt: <u>6.5#</u>	Grd: <u>J-55 ("B")</u>	EOT @: <u>0</u>	BP/Sand PBTD: <u>5055'</u>	BP/Sand PBTD: <u>4515'</u>

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
PB 10 sds	<u>4470-4475'</u>	<u>4/20</u>			
D3 sds	<u>4862-4868'</u>	<u>4/24</u>			
A3 sds	<u>5244-5250'</u>	<u>4/24</u>			
A3 sds	<u>5254-5267'</u>	<u>4/52</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Jun-01 SITP: \_\_\_\_\_ SICP: 1855

RU Schlumberger and run 5 1/2" "CE" RBP & 4" perf gun. Set plug @ 4515'. Bleed pressure off well. Rec est 2 BW. Perf PB 10 sds @ 4470-75' W/ 4 JSPF. 1 run. RU BJ Services to frac PB sds. Unable to breakdown perfs after several attempts (4400 psi max). RIH W/ WL dumpbailer. Spot 13 gals of 15% HCL acid across perfs. Pressure up against perfs several more times--still unable to achieve breakdown. ~~Decision made to leave unfraced~~ RD BJ & WLT. Prep to pull plugs. Est 975 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: <u>977</u>	Starting oil rec to date: <u>0</u>
Fluid lost/recovered today: <u>2</u>	Oil lost/recovered today: _____
Ending fluid to be recovered: <u>975</u>	Cum oil recovered: <u>0</u>
IFL: _____ FFL: _____ FTP: _____	Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

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

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

Procedure or Equipment detail: PB 10 sands

NO FRAC WAS EXECUTED ON THIS INTERVAL

COSTS

KES rig	\$824
RBP rental	\$700
Schlumberger-PB sds	\$3,113
BJ Services-PB sds	\$1,801
Frac water	\$400
Fuel gas (+/- 15 mcf)	\$75
Frac tks (4 X 2 days)	\$320
Frac head rental	\$200
IPC Supervision	\$200

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: \$7,633

TOTAL WELL COST: \$227,098



Attachment G-1  
587

DAILY COMPLETION REPORT

WELL NAME: Jonah 4-12-9-16

Report Date: 6/8/01

Completion Day: 03

Present Operation: Completion

Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 299' Prod Csg: 5 1/2" Wt: 15.5# @ 5582' Csg PBTD: 5569'(est)  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 ("B") EOT @: 5414' BP/Sand PBTD: 5476'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
PB 10 sds	4470-4475'(unbroke)	4/20 (no frac)			
D3 sds	4862-4868'	4/24			
A3 sds	5244-5250'	4/24			
A3 sds	5254-5267'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 07-Jun-01 SITP: \_\_\_\_\_ SICP: 0

TIH W/ RH & tbg. Tbg displaced 10 BW on TIH. Tag sd @ 4510'. C/O sd & release CE RBP @ 4515'. TOH W/ tbg. LD plug. TIH W/ RH & tbg. Tag sd @ 4937'. C/O sd to RBP @ 5055'. Release plug. TOH W/ tbg. LD plug. TIH W/ NC & tbg. Tag sd @ 5414'. C/O sd to 5476' (left approx. 93' of fill). Circ hole clean. Lost no fluid during C/O's. Pull EOT to 5414'. RU swab equipment. IFL @ sfc. Made 5 swb runs rec 116 BTF W/ tr oil & no sand. FFL @ 1400'. SIFN W/ est 869 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 975 Starting oil rec to date: 0  
Fluid lost/recovered today: 106 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 869 Cum oil recovered: 0  
IFL: sfc FFL: 1400' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: tr

STIMULATION DETAIL

COSTS

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

KES rig \$2,806

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

BOP \$130

Procedure or Equipment detail: \_\_\_\_\_

Water truck \$500

IPC Supervision \$200

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: \$3,636

TOTAL WELL COST: \$230,734





## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4420'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 202' balance plug using 23 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 40 sx Class "G" Cement down 5-1/2" casing to 349'

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

# Jonah Unit #4-12-9-16

Spud Date: 3/14/01  
 Put on Production: 6/10/01  
 GL: 5516' KB: 5526'

## Wellbore Diagram Proposed P&A

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.39')  
 DEPTH LANDED: 299.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt.

Cement Top @ surface

Pump 40 sx Class "G" Cement down 5-1/2" casing to 349'

Casing shoe @ 299'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5586.9')  
 DEPTH LANDED: 5582.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1479'-1599')

202' balance plug using 23 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2831'-3033')

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

CIBP @ 4420'

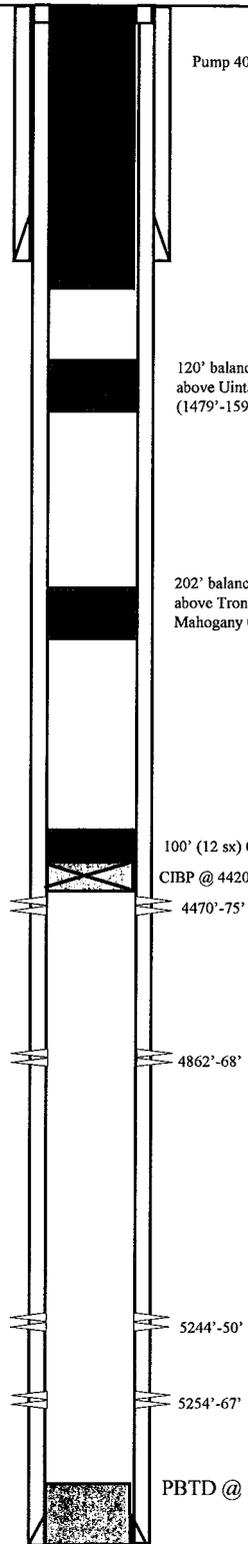
4470'-75'

4862'-68'

5244'-50'

5254'-67'

PBTD @ 5582' TD @ 5602'



**NEWFIELD**



Jonah Unit #4-12-9-16  
 660' FNL & 660' FWL  
 NW/NW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32180; 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)  
 660 FNL 660 FWL  
 NWNW Section 12 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 UNIT 4-12

9. API Well No.  
 4301332180

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

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

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

Newfield Production 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)

4770 S. 5600 W.  
 P.O. BOX 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 20, 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 adjudicatory 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  
 Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 20, 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 Unit 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

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]*

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

DATE 3/31/2010

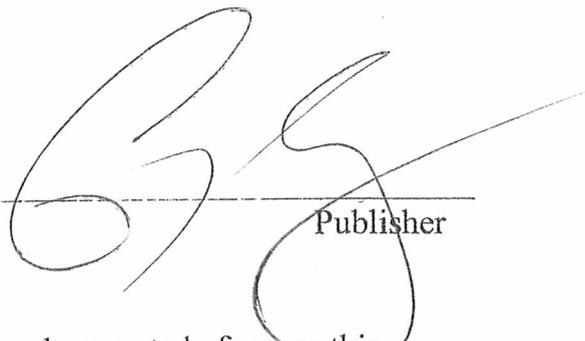
*Virginia Craft*

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

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, 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.

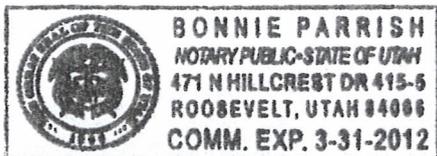


Publisher

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.

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

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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 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, 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 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 1-14-9-16 well located in SW/4 SW/4, Section 1, 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

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.

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.

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:

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

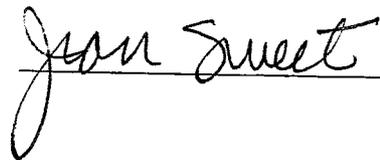
Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

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

  
\_\_\_\_\_

**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



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

**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>Email</b>	dianeholland@utah.gov	Jean Sweet	jvaldez

<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> 0	<b>Proofs</b> 0	<b>Affidavits</b> 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>

<b>Product</b>	<b>Placement</b>
Salt Lake Tribune::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b> 03/30/2010	
<b>Product</b>	<b>Placement</b>
Deseret News::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b> 03/30/2010	
<b>Product</b>	<b>Placement</b>
sltrib.com::	Legal Liner Notice - 0998
<b>Scheduled Date(s):</b> 03/30/2010	
<b>Product</b>	<b>Placement</b>
utahlegals.com::	utahlegals.com
<b>Scheduled Date(s):</b> 03/30/2010	

**Ad Content Proof Actual Size**

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

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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

**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



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



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 Unit 4-12-9-16, Section 12, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32180

Gentlemen:

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

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

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

Sincerely,

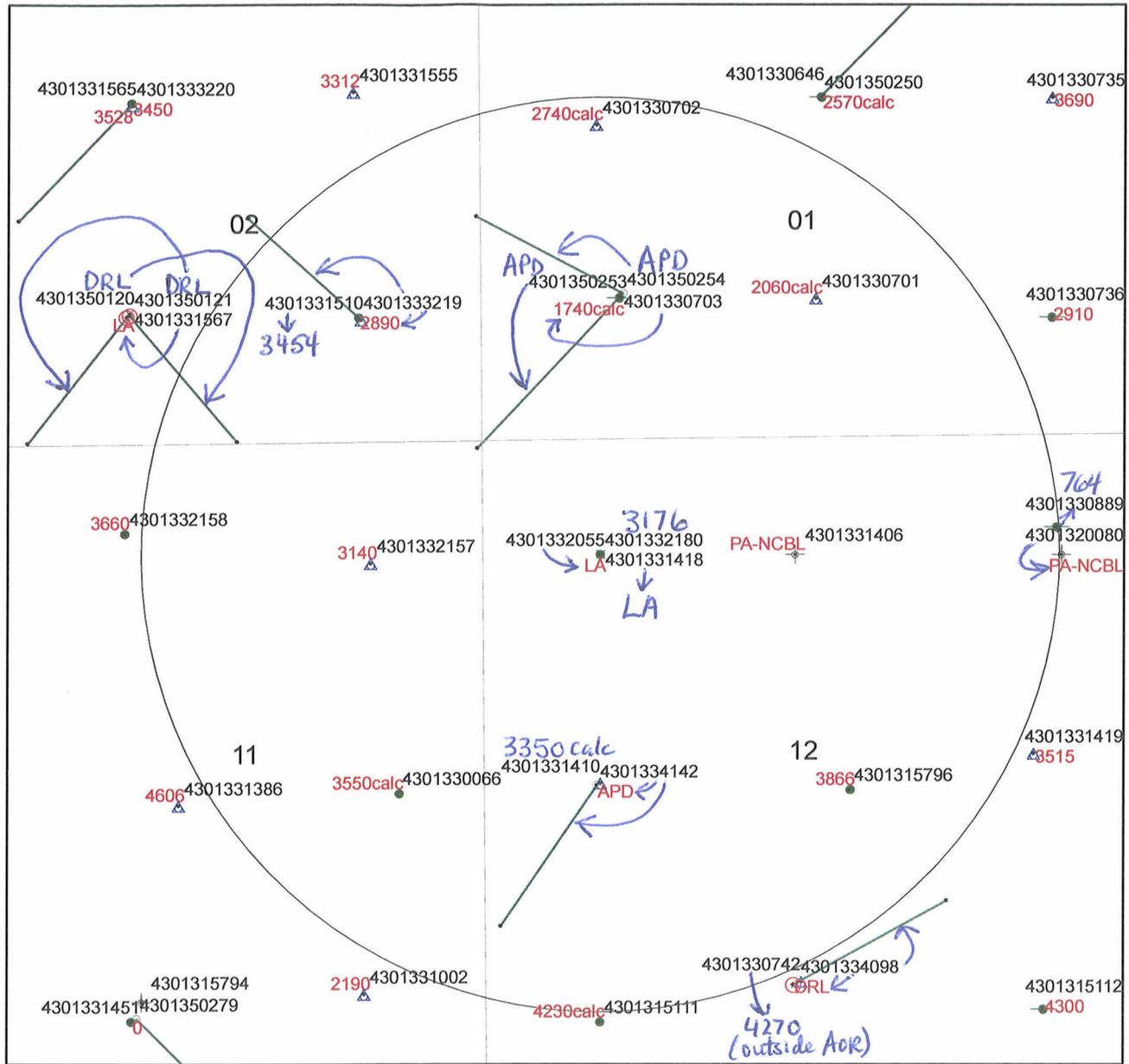
Gil Hunt  
Associate Director

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





# JONAH UNIT 4-12-9-16

## API #43-013-32180

### UIC-363.9

**Legend**

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| Buffer_of_Wells-CbitopsMaster5_6_10_6 | PRODUCING OIL                       |
| Wells-CbitopsMaster5_6_10             | SHUT-IN GAS                         |
| GAS INJECTION                         | SHUT-IN OIL                         |
| TW                                    | TEMP ABANDONED                      |
| TA                                    | TEST WELL                           |
| OPS                                   | WATER INJECTION                     |
| GS                                    | WATER SUPPLY                        |
| APD                                   | WATER DISPOSAL                      |
| PA                                    | DRILLING                            |
| LA                                    | RETURNED GAS                        |
| GAS STORAGE                           | RETURNED OIL                        |
| LOCATION ABANDONED                    | GAS INJECTION SI                    |
| NEW LOCATION                          | WATER DISP SUSP                     |
| PLUGGED & ABANDONED                   | WATER INJ SUSP                      |
| PRODUCING GAS                         | county-lines                        |
|                                       | Sections                            |
|                                       | SGID93.ENERGY.DNROI GasWells_HDPATH |



1870calc = approx cement top calculated from well completion report



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

**Applicant:** Newfield Production Company      **Well:** Jonah Unit 4-12-9-16

**Location:** 12/9S/16E      **API:** 43-013-32180

**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 (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 299 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,583 feet. A cement bond log demonstrates adequate bond in this well up to 3,176 feet. A 2 7/8 inch tubing with a packer will be set at 4,200 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 4 producing wells (one of which has a surface location inside the AOR and a bottom hole location outside the AOR), 2 shut-in wells, 1 P/A well, and 5 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. All of the existing wells have evidence of adequate casing and cement. Inasmuch as several 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 1200 feet. Injection shall be limited to the interval between 4,035 feet and 5,602 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-12-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,823 psig. The requested maximum pressure is 1,823 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any groundwater present should be adequately protected.

**Jonah Unit 4-12-9-16**  
**page 2**

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

**Bonding:** Bonded with the BLM

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

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

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-096550
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: JONAH UNIT 4-12	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013321800000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL. FOOTAGES AT SURFACE: 0660 FNL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 12 Township: 09.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE  STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/10/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
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 04/05/2012. On 4/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
		Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 15, 2012
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/12/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 4/10/12 Time 10 am pm  
Test Conducted by: Jared Robinson  
Others Present: \_\_\_\_\_

Well: <u>Jonah 4-12-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NW/NE Sec. 12, T9S, R16E</u>	API No: <u>430-13-32180</u>
<u>Duchesne, UT</u>	

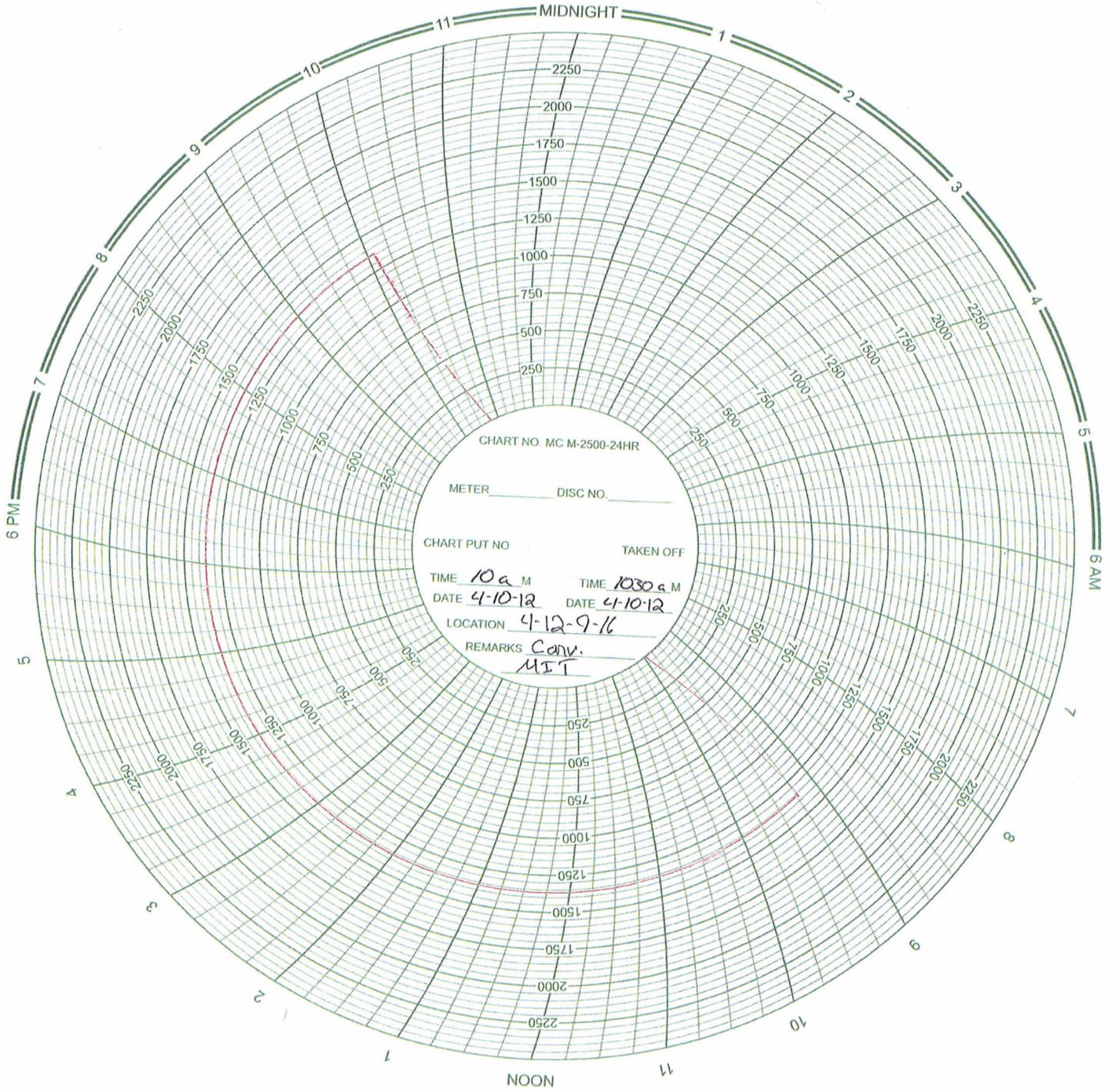
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1370</u>	psig
5	<u>1370</u>	psig
10	<u>1370</u>	psig
15	<u>1370</u>	psig
20	<u>1370</u>	psig
25	<u>1370</u>	psig
30 min	<u>1370</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness: Chris Jensen  
Signature of Person Conducting Test: Jared Robinson

Sundry Number: 24824 API Well Number: 43013321800000



## Daily Activity Report

Format For Sundry  
**JONAH 4-12-9-16**  
2/1/2012 To 6/30/2012

**4/5/2012 Day: 1**

**Conversion**

WWS #7 on 4/5/2012 - MIRU. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Safety meeting, JSA. Pump 60 BBls Down csg unseat pump POOH & LD 1-1/2 X 22' polish rod. 2', 4', 8' X 3/4" pony rods Flush rods w/ 50 bbls seat pump press test tbg to 3000psi w/ 5 bbl good test. LD 99 4per 3/4, 77 slk 3/4, 30 4per 3/4, 4 wt bars, pump. Flush tbg w/ 60 bbls X over to tbg. ND WH realease TAC NU Bops, TOO H w/ 80 jts 2-7/8 J-55 breaking & green doping all connections, Flush tbgw/ 30 bbls. SWIFN - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. - Road Rig from S-35-8-17 to 4-12-9-16 RD pumping unit. Spot in equipment Perp to lay down rods in AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$2,332

**4/6/2012 Day: 3**

**Conversion**

WWS #7 on 4/6/2012 - RIH w/ PKR & Test - Safety Meeting. JSA. Cont TOO H tbg Breaking & Green Doping Every Connection w/ 61 jts. LD 25 jts ,5-1/2 TAC,2 jts, PSN, 2 jts , NC. TIH w/ 5-1/2 Arrow Set 1 PKR new SN, 141 jts 2-7/8" J-55 Tbg . Pump 10 bbls drop standing valve press test Tbg to 3000psi 30 min. Ret standing valve w/ sand line mix PKR fuild circulate 60 bbls down csg. ND BOPs set PKR @ 4428' w/ 16000# tension PSN @ 4424' EOT @ 4432'. NU Injection WH press test csg to 1500psi for 45 min good test. RDMO FINAL Report - Safety Meeting. JSA. Cont TOO H tbg Breaking & Green Doping Every Connection w/ 61 jts. LD 25 jts ,5-1/2 TAC,2 jts, PSN, 2 jts , NC. TIH w/ 5-1/2 Arrow Set 1 PKR new SN, 141 jts 2-7/8" J-55 Tbg . Pump 10 bbls drop standing valve press test Tbg to 3000psi 30 min. Ret standing valve w/ sand line mix PKR fuild circulate 60 bbls down csg. ND BOPs set PKR @ 4428' w/ 16000# tension PSN @ 4424' EOT @ 4432'. NU Injection WH press test csg to 1500psi for 45 min good test. RDMO FINAL Report

**Daily Cost:** \$0

**Cumulative Cost:** \$71,019

**4/11/2012 Day: 4**

**Conversion**

Rigless on 4/11/2012 - Conduct initial MIT - On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$96,339

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-096550
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: JONAH UNIT 4-12
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013321800000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 12 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/18/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 11:30 AM on  
07/18/2012

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
July 25, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/23/2012	

# Jonah 4-12-9-16

Spud Date: 3/14/01  
 Put on Production: 6/10/01  
 GL: 5516' KB: 5526'

Initial Production: 52.4 BOPD,  
 43.4 MCFD, 5.8 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.39')  
 DEPTH LANDED: 299.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt.

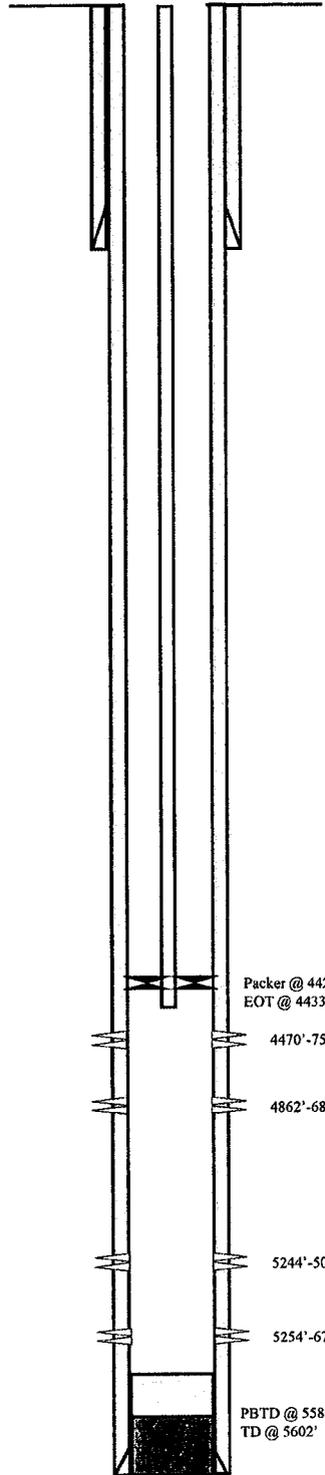
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5586.9')  
 DEPTH LANDED: 5582.5'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface per CBL

## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4414.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4424.5'  
 CE @ 4428.88'  
 TOTAL STRING LENGTH: EOT @ 4433'

Injection Wellbore  
 Diagram



## FRAC JOBS

6/6/01	5254'-67'	<b>Frac A3 sand as follows:</b>
	5244'-50'	89,647# 20/40 sand in 600 bbls Viking I-25 fluid. Treated @ avg pressure of 1960 psi with avg rate of 29.7 BPM, ISIP 2395 psi.
6/6/01	4862'-68'	<b>Frac D3 sand as follows:</b>
		29,647# 20/40 sand in 299 bbls Viking I-25 fluid. Treated @ avg pressure of 2400 psi with avg rate of 24.3 BPM, ISIP 1855 psi.
6/6/01	4470'-75'	<b>Frac PB-10 sand as follows:</b>
		Could not break, left un-fraced.
04/05/12		<b>Convert to Injection Well</b>
04/10/12		<b>Conversion MIT Finalized -- update tbg detail</b>

## PERFORATION RECORD

6/6/01	5254'-5267'	4 JSPP	52 holes
6/6/01	5244'-5250'	4 JSPP	24 holes
6/6/01	4862'-4868'	4 JSPP	24 holes
6/6/01	4470'-4475'	4 JSPP	20 holes

## NEWFIELD



Jonah 4-12-9-16  
 660' FNL & 660' FWL  
 NW/NW Section 12-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32180; Lease #U-096550



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

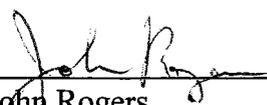
### Cause No. UIC-363

**Operator:** Newfield Production Company  
**Well:** Jonah Unit 4-12  
**Location:** Section 12, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32180  
**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: 1,823 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,035' – 5,602')
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

7-11-12

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

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