



January 16, 2003

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

RE: Applications for Permit to Drill: Ashley Federal 1-14, 2-14, 3-14, 4-14, 8-14,  
9-14, and 10-14-9-15.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Permit Clerk

mc  
enclosures

RECEIVED  
JAN 17 2003  
DIV. OF OIL, GAS & MINING

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

**001**

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-66184</b>	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>Ashley</b>	
3. ADDRESS OF OPERATOR <b>Route #3 Box 3630, Myton, UT 84052</b> Phone: <b>(435) 646-3721</b>		8. FARM OR LEASE NAME WELL NO. <b>Ashley Federal 3-14-9-15</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface <b>NE/NW 857' FNL 1940' FWL 4431823Y 40,03577</b> At proposed Prod. Zone <b>5681' X -110,20127</b>		9. API WELL NO. <b>43-013-32397</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 13.6 miles southwest of Myton, Utah</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to <b>Approx. 857' f/lse line &amp; 8620' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>1,360.57</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1466'</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6200' GR</b>		22. APPROX. DATE WORK WILL START* <b>3rd Quarter 2003</b>	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>			

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

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

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 *Wanda Crozier* TITLE Permit Clerk DATE 1/16/03

(This space for Federal or State office use)

PERMIT NO. 43-013-32397 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Bradley G. Hill* TITLE **BRADLEY G. HILL** DATE 01-29-03  
**ENVIRONMENTAL SCIENTIST III**

**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.

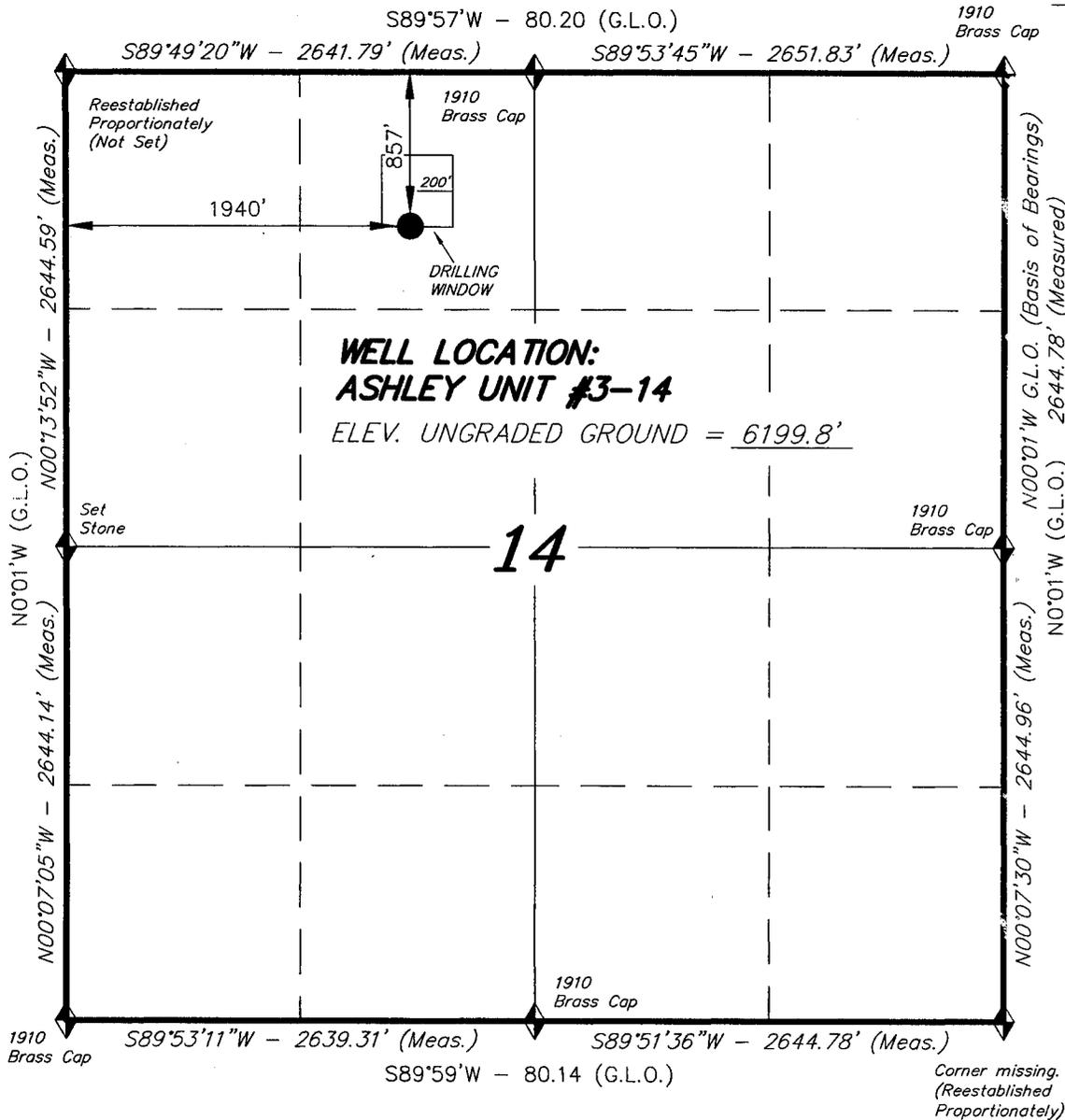
**RECEIVED**

**JAN 17 2003**

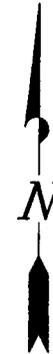
**DIV. OF OIL, GAS & MINING**

# T9S, R15E, S.L.B.&M.

INLAND PRODUCTION COMPANY



WELL LOCATION, ASHLEY UNIT #3-14,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 14, T9S, R15E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

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

◆ = SECTION CORNERS LOCATED

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

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

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 8-19-02	DRAWN BY: J.R.S.
NOTES:	FILE #

INLAND PRODUCTION COMPANY  
ASHLEY FEDERAL #3-14-9-15  
NE/NW SECTION 14, T9S, R15E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

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

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

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY  
ASHLEY FEDERAL #3-14-9-15  
NE/NW SECTION 14, T9S, R15E  
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 Ashley Federal #3-14-9-15 located in the NE 1/4 NW 1/4 Section 14, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 1.8 miles ± to its junction with UT State Hwy 216; proceed along Hwy 216 - 6.3 miles ± to its junction with an existing road to the southwest; proceed southwesterly - 2.9 miles ± to its junction with an existing road to the northwest; proceed northwesterly - 0.4 mile ± to its junction with the beginning of the proposed access road; proceed along the proposed access road - 3310' ± to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

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

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

Archaeological Resource Survey for this area is attached.

The Paleontological Resource Survey for this area will be forthcoming.

Inland Production Company requests a 60' ROW for the Ashley Federal #3-14-9-15 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Ashley Federal #3-14-9-15 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

**Water Disposal**

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

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

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #3-14-9-15 NE/NW Section 14, Township 9S, Range 15E: Lease UTU-66184 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true

and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/16/03

Date

Mandie Crozier

Mandie Crozier  
Permit Clerk

Well No.: Ashley Federal 3-14-9-15

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Ashley Federal 3-14-9-15

API Number:

Lease Number: UTU-66184

Location: NE/NW Sec. 14, T9S, R15E

**SURFACE USE PROGRAM**  
**CONDITIONS OF APPROVAL**

**CULTURAL RESOURCES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**PALEONTOLOGICAL RESOURCES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**WILDLIFE AND FISHERIES**

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

**THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES**

**SAGE GROUSE:** No new construction or surface disturbing activities will be allowed between March 1 and June 30 due to the location's proximity (2 mile radius) to Sage Grouse strutting grounds.

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

**LOCATION AND RESERVE PIT RECLAMATION**

During construction of the reserve pit, a small amount of topsoil shall be stockpiled nearby, to be spread over the reserve pit area at the time the reserve pit is reclaimed.

The topsoil stockpile shall be reseeded immediately after site construction by broadcasting the seed, then walking the topsoil stockpile with the dozer to plant the seed.

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

Bluebunch wheatgrass	<i>Agropyron spicatum</i>	4 lbs/acre
Black Sage	<i>Artemisia nova</i>	4 lbs/acre
Galleta grass	<i>Hilaria jamesii</i>	4 lbs/acre

The reserve pit shall be reclaimed immediately after drilling operations have ceased. The pit shall be reclaimed by: 1) removing all liquids and any oily debris according to Utah Division of Oil, Gas, & Mining pit closure rules; 2) perforating and folding the liner in place; 3) recontouring the surface; 4) broadcasting the seed over the recontoured surface; and 5) walking the surface of the pit with a dozer to plant the seed.

At the time of final abandonment, the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately.

### **PIPELINES**

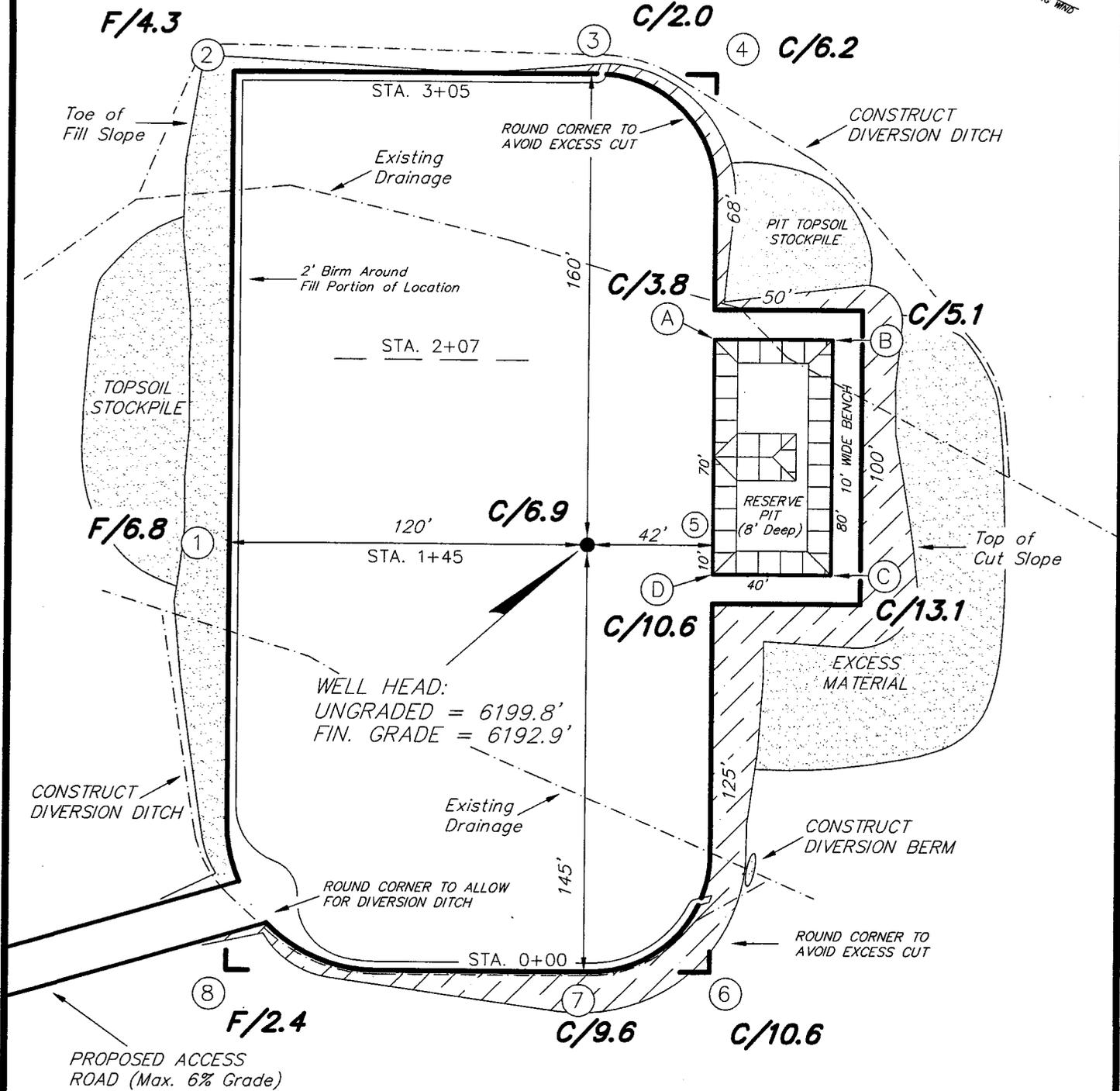
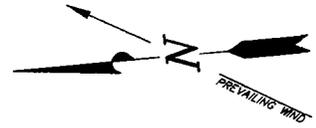
Installation of a surface gas pipeline and/or any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

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

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

# INLAND PRODUCTION COMPANY

ASHLEY UNIT #3-14  
SEC. 14, T9S, R15E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 6199.8'  
FIN. GRADE = 6192.9'

REFERENCE POINTS

210' EAST	= 6206.2'
260' EAST	= 6214.7'
170' NORTH	= 6176.6'
220' NORTH	= 6172.6'

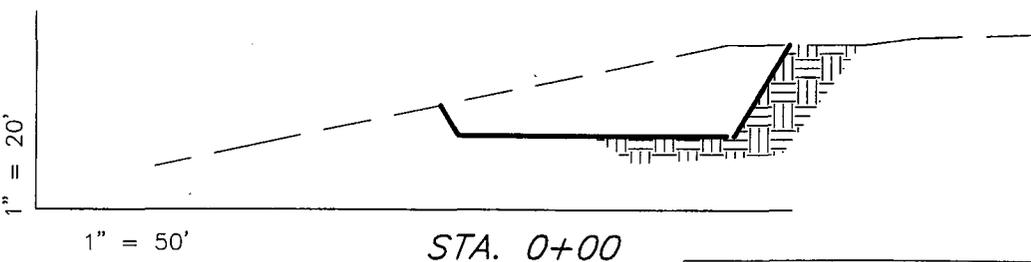
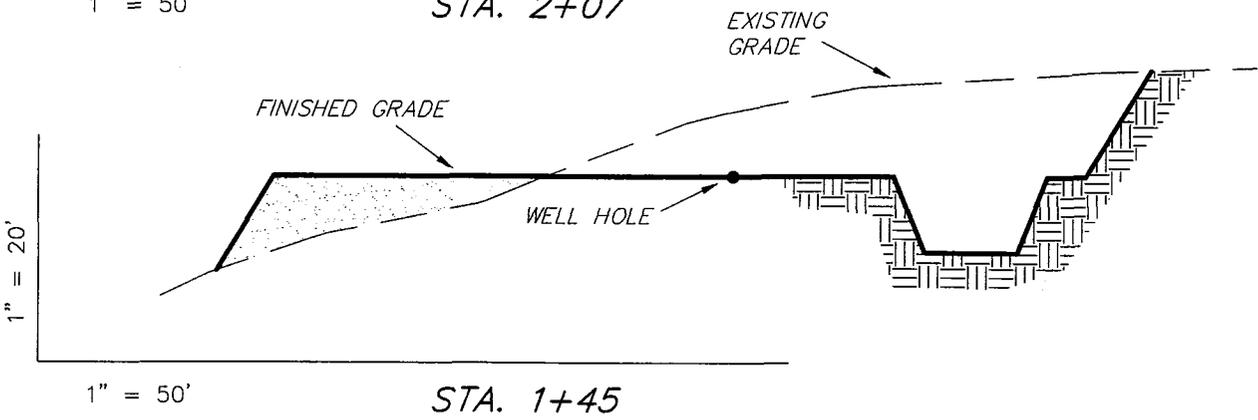
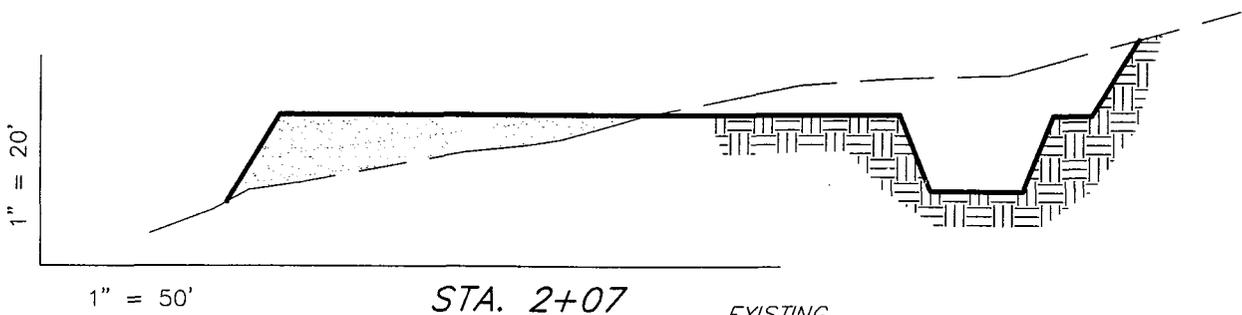
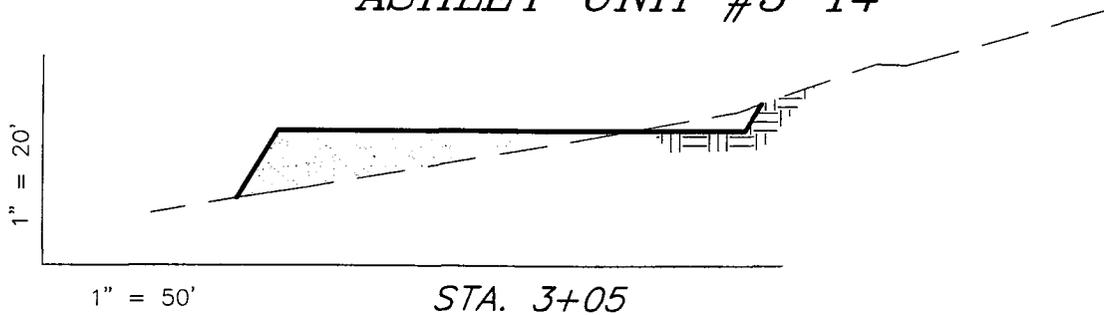
SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 8-19-02

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

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### ASHLEY UNIT #3-14



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

ESTIMATED EARTHWORK QUANTITIES				
(Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,360	5,360	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	6,000	5,360	1,010	640

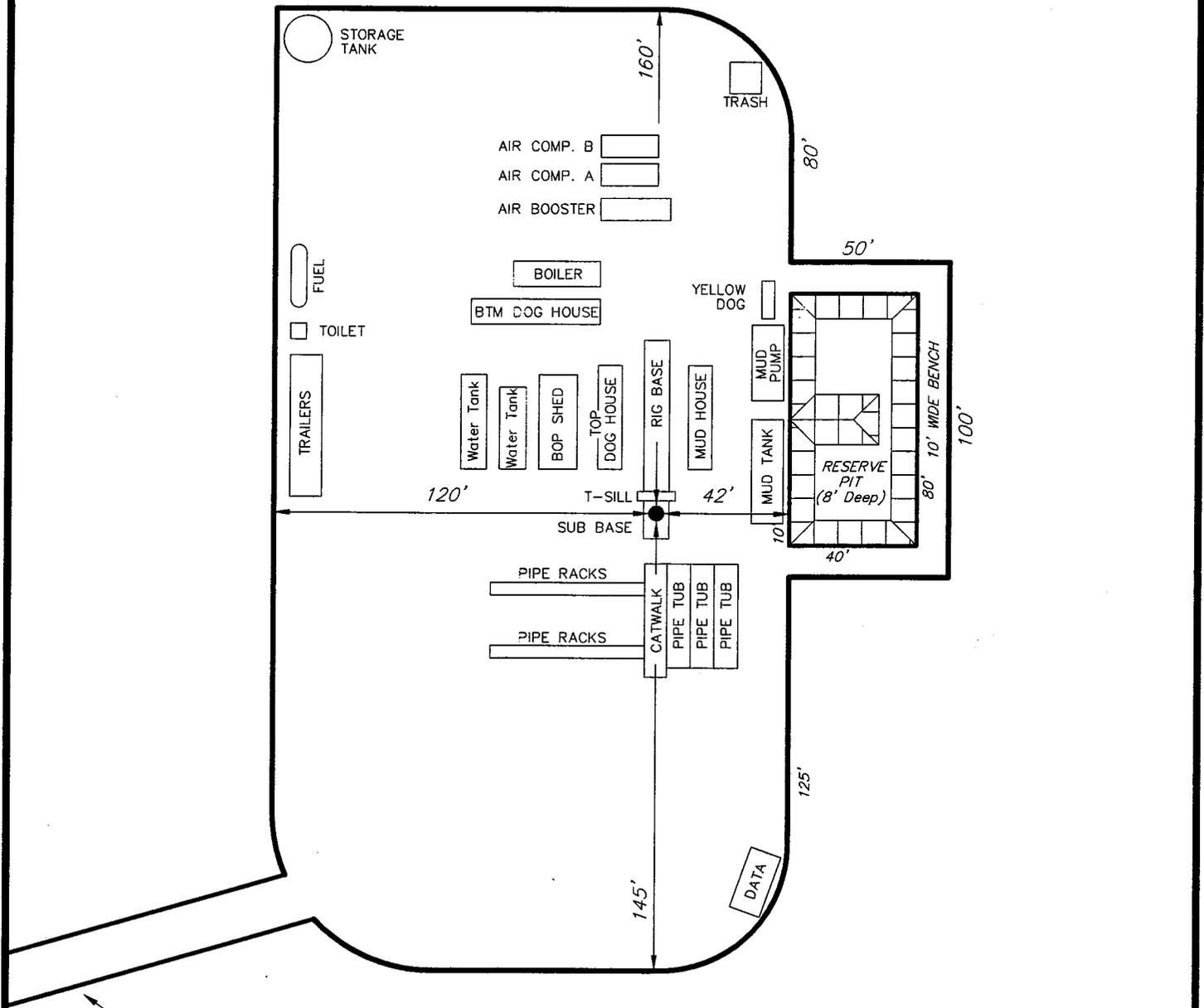
SURVEYED BY: D.J.S. SCALE: 1" = 50'  
DRAWN BY: J.R.S. DATE: 8-19-02

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

# INLAND PRODUCTION COMPANY

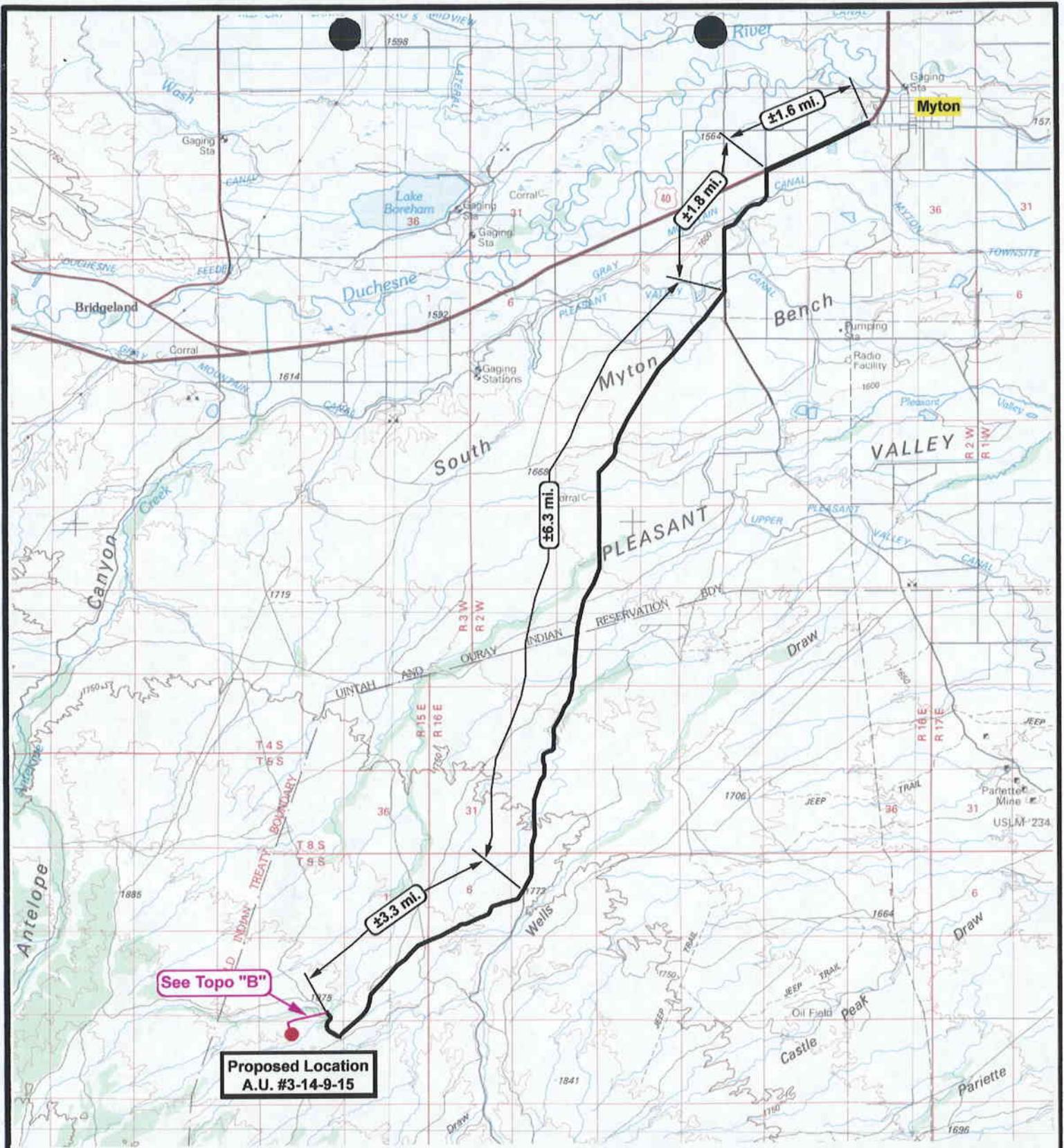
## TYPICAL RIG LAYOUT

### ASHLEY UNIT #3-14



PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	 (435) 781-2501 38 WEST 100 NORTH VERNAL, UTAH 84078
DRAWN BY: J.R.S.	DATE: 8-19-02	



**Ashley Unit #3-14  
SEC. 14, T9S, R15E, S.L.B.&M.**



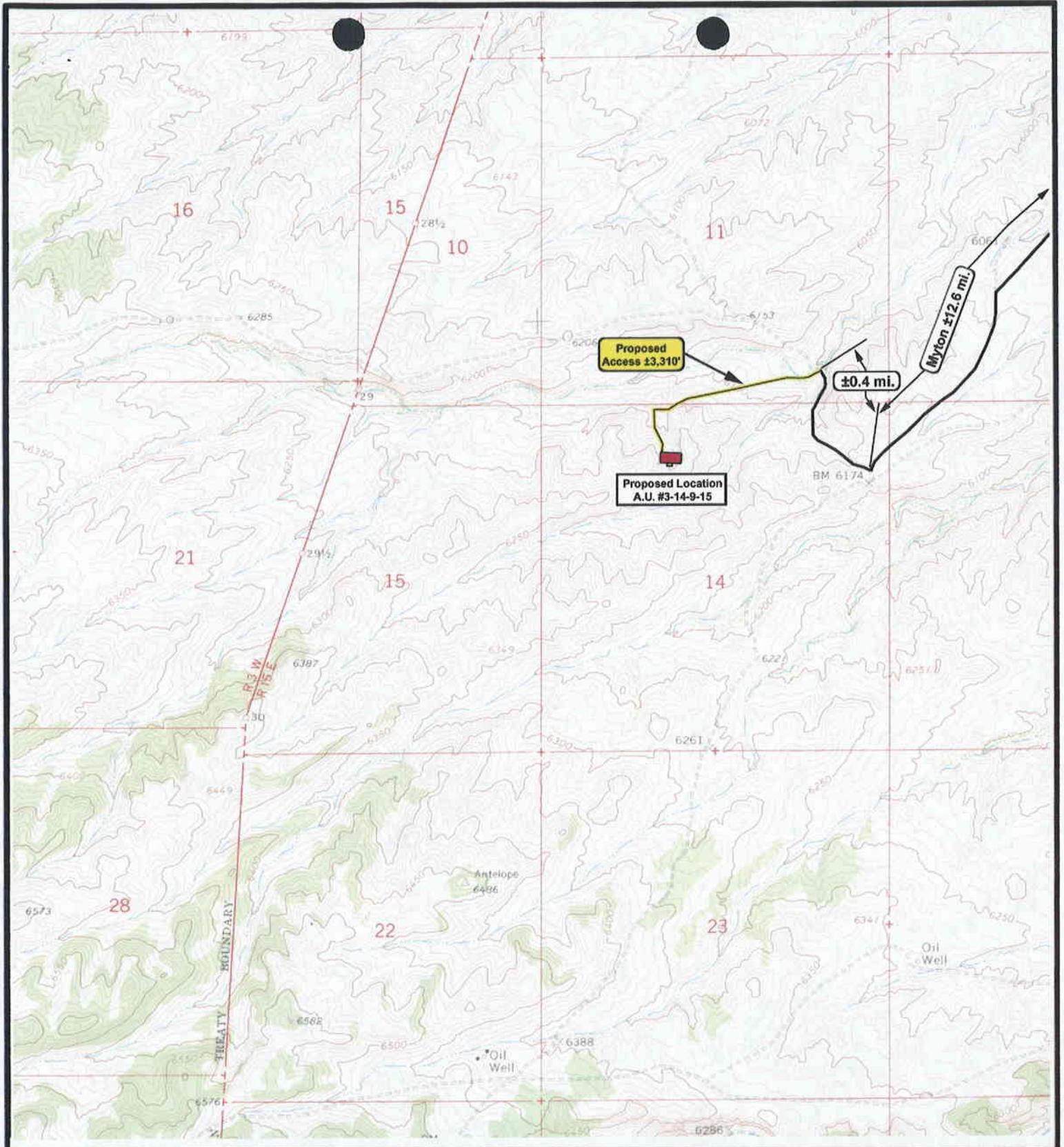
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: R.A.B.  
DATE: 08-28-2002

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



**Ashley Unit #3-14**  
**SEC. 14, T9S, R15E, S.L.B.&M.**



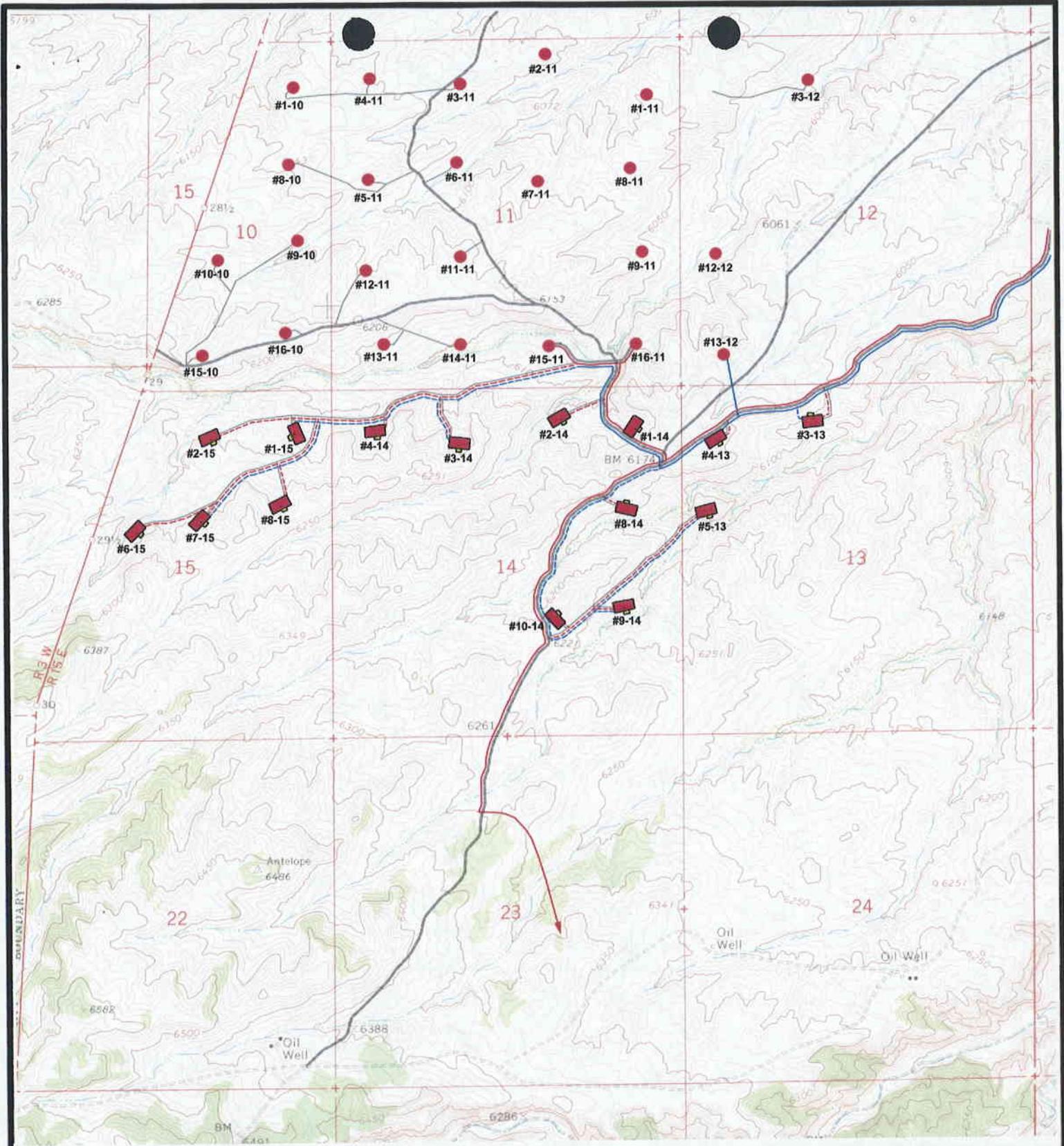
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: R.A.B.  
 DATE: 08-28-2002

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP

**"B"**



**Gas & Water Pipelines  
SEC. 13-15, T9S, R15E, S.L.B.&M.**

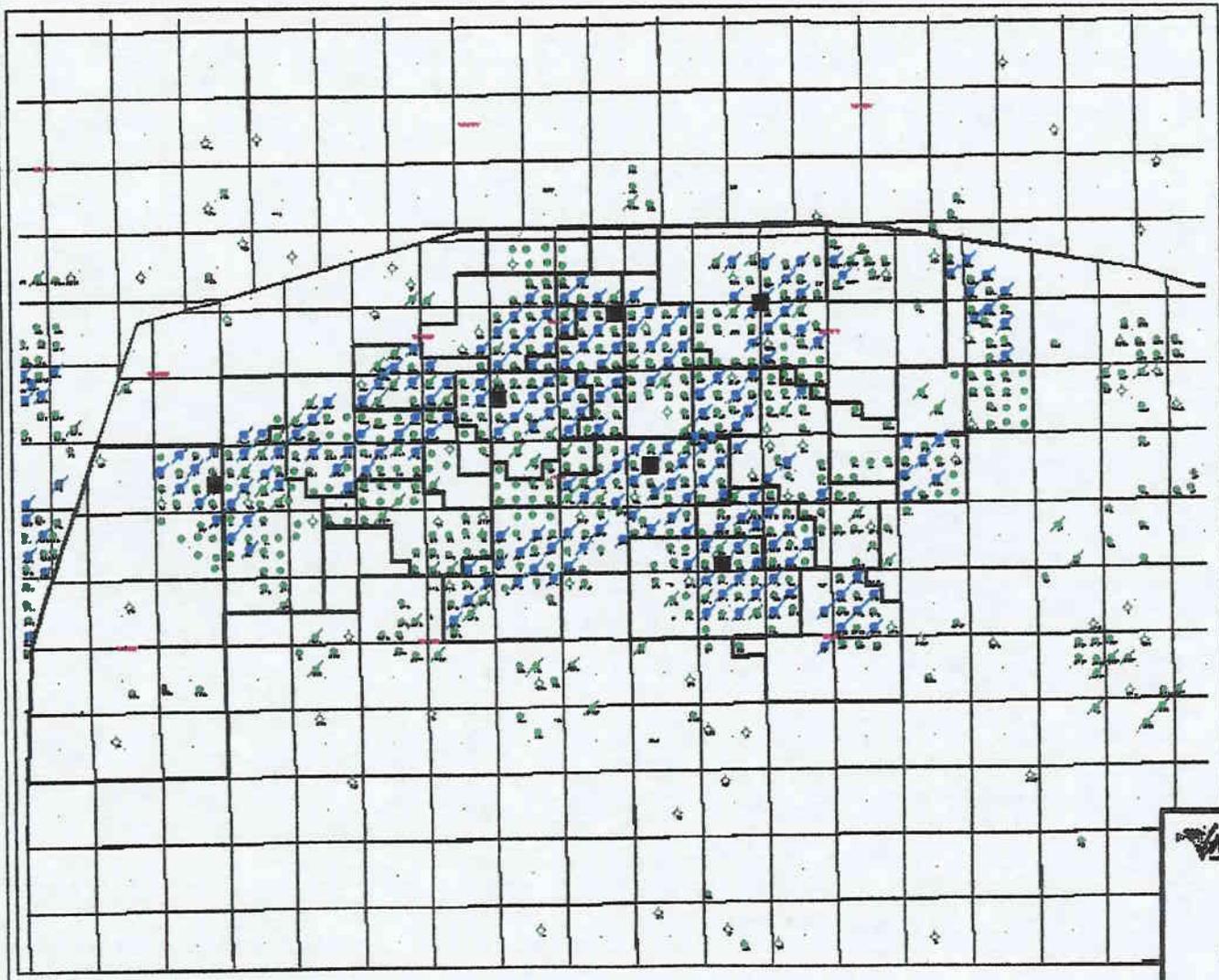


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: R.A.B.  
DATE: 09-06-2002

Legend	
	Roads
	Existing Gas Line
	Proposed Gas Line
	Existing Injection Line
	Proposed Injection Line

TOPOGRAPHIC MAP  
**"C"**



- Section Water
- Well Outcrop
- ◆ IM
- OIL
- ◇ DRY
- ◆ NORTH
- NW



Exhibit "A"

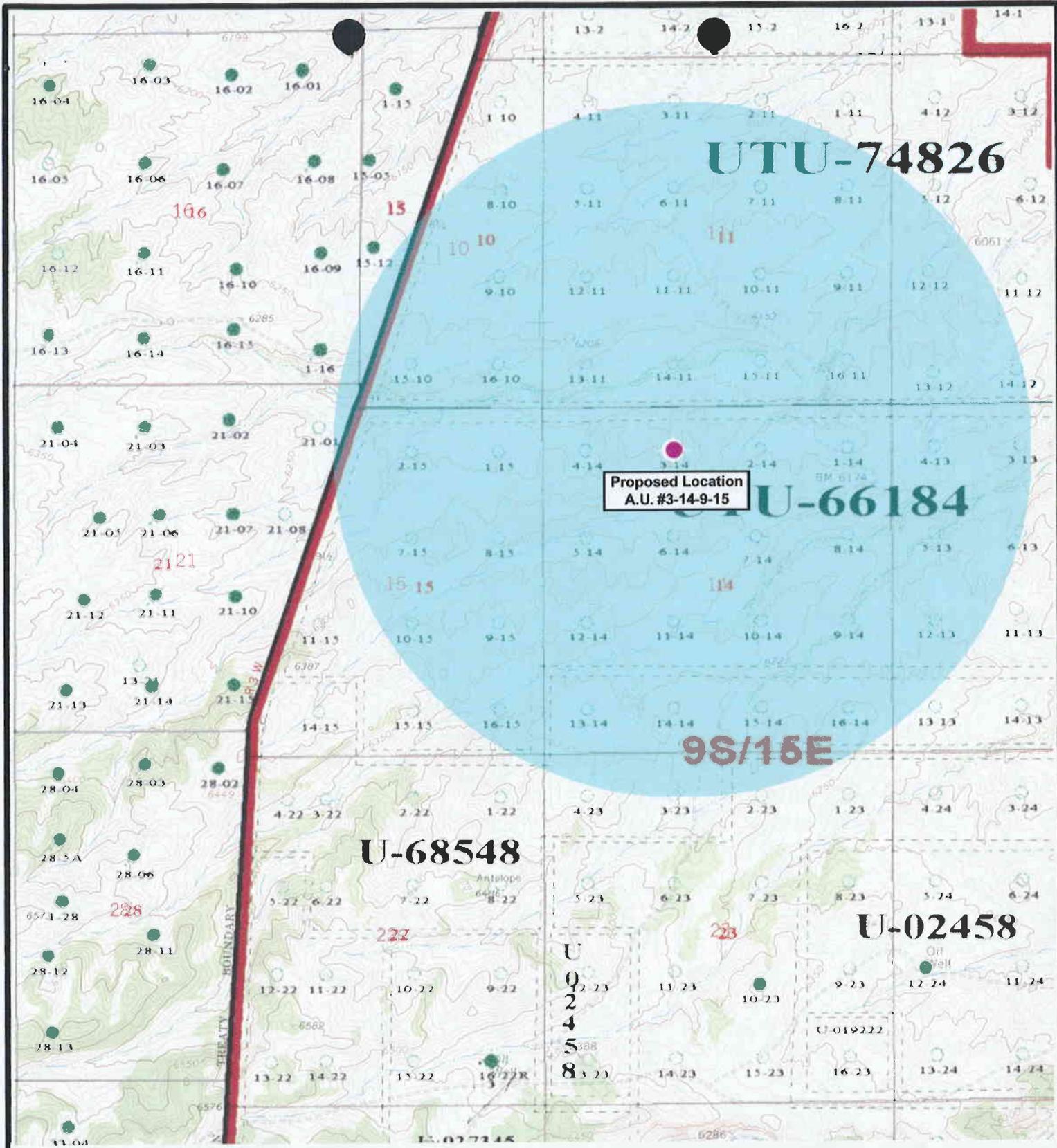
*Caland*

130 17th Street, Suite 200  
 Denver, Colorado 80202  
 Phone: (303) 885-9122

**U. S. State of Texas**  
**LINCOLN COUNTY, TEXAS**  
 Burdette & Clark Counties, TX

Map No. 5116 L. J. Clark





**Ashley Unit #3-14**  
**SEC. 14, T9S, R15E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
 DRAWN BY: R.A.B.  
 DATE: 08-26-2002

**Legend**

- Proposed Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

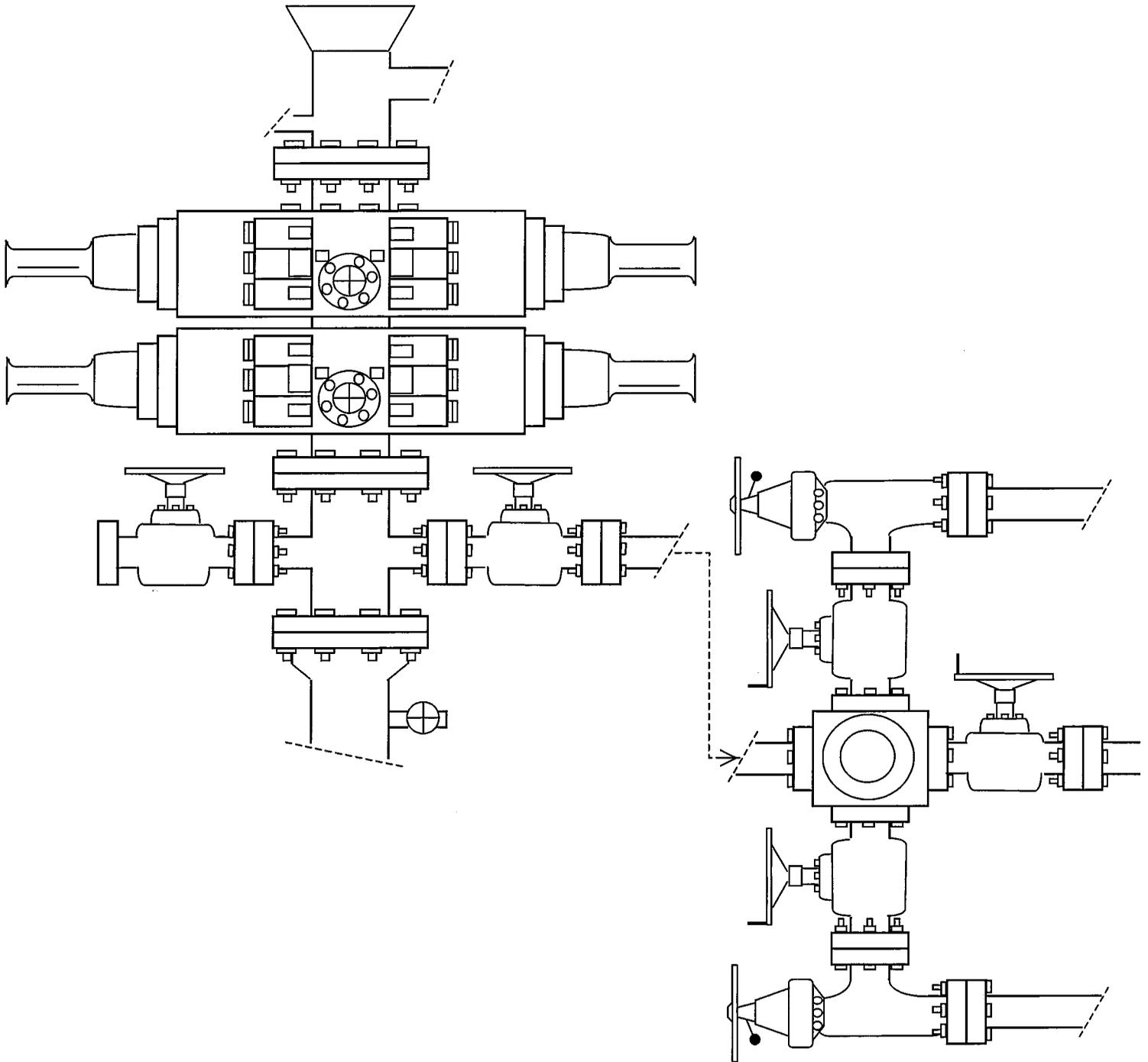


EXHIBIT C

003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/17/2003

API NO. ASSIGNED: 43-013-32397

WELL NAME: ASHLEY FED 3-14-9-15  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
NENW 14 090S 150E  
SURFACE: 0857 FNL 1940 FWL  
BOTTOM: 0857 FNL 1940 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-66184  
SURFACE OWNER: 1 - Federal

LATITUDE: 40.03577

PROPOSED FORMATION: GRRV

LONGITUDE: 110.20127

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
(No. MUNICIPAL )

RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

Fee Surf Agreement (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit ASHLEY

R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells

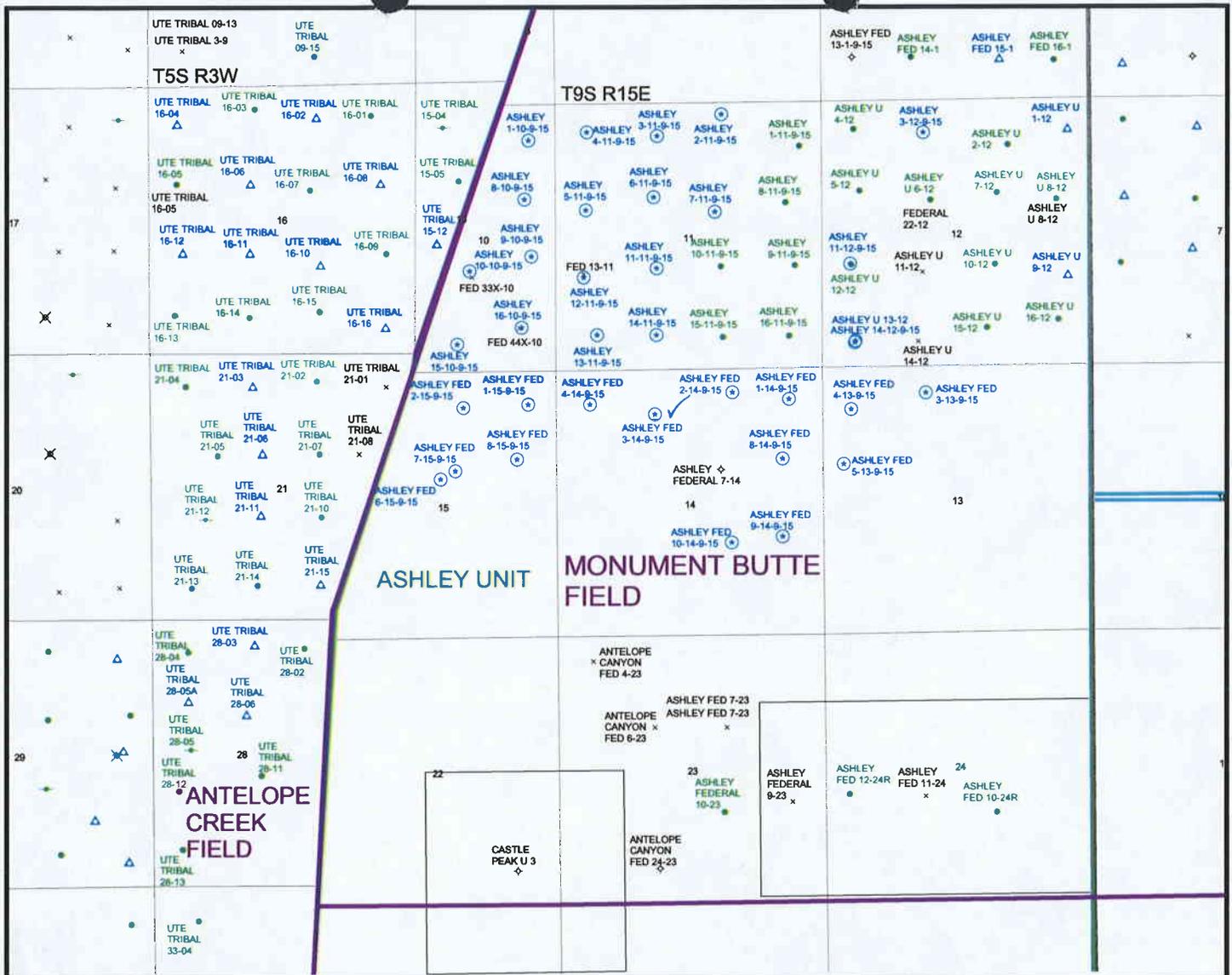
\_\_\_ R649-3-3. Exception

\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_

\_\_\_ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing stip

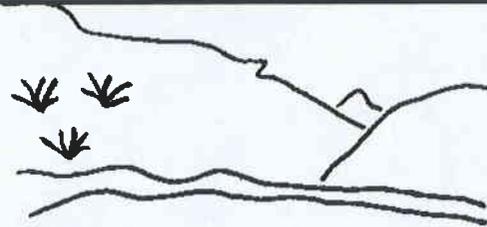


SEC. 14 T9S, R15E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

**WELLS**

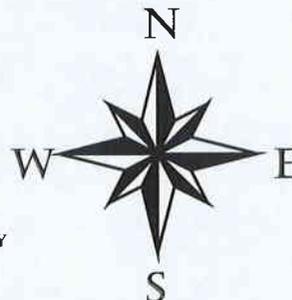
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

**UNIT STATUS**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**FIELD STATUS**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON  
DATE: 23-JANUARY-2003



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

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

January 29, 2003

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

Re: Ashley Federal 3-14-9-15 Well, 857' FNL, 1940' FWL, NE NW, Sec. 14, T. 9 South,  
R. 15 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 43-013-32397.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza". The signature is written in a cursive style with a large, sweeping initial 'J'.

John R. Baza  
Associate Director

pb  
Enclosures

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

**Operator:** Inland Production Company  
**Well Name & Number** Ashley Federal 3-14-9-15  
**API Number:** 43-013-32397  
**Lease:** UTU-66184

**Location:** NE NW      **Sec.** 14      **T.** 9 South      **R.** 15 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

005

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN

1b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-66184**

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

7. UNIT AGREEMENT NAME  
**Ashley**

8. FARM OR LEASE NAME WELL NO.  
**Ashley Federal 3-14-9-15**

9. API WELL NO.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **NE/NW 857' FNL 1940' FWL**

At proposed Prod. Zone

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NE/NW Sec. 14, T9S, R15E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 13.6 miles southwest of Myton, Utah**

12. County  
**Duchesne**

13. STATE  
**UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to **Approx. 857' f/lse line & 8620' f/unit line**)

16. NO. OF ACRES IN LEASE  
**1,360.57**

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.  
**Approx. 1466'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6200' GR**

22. APPROX. DATE WORK WILL START\*  
**3rd Quarter 2003**

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

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 *Wanda Crozier* TITLE Permit Clerk DATE 1/16/03

(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 *Thomas B. Cleaves* TITLE Assistant Field Manager Mineral Resources DATE 08/14/2003

RECEIVED  
AUG 18 2003

\*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.

DIV. OF OIL, GAS & MINING

**CONDITIONS OF APPROVAL ATTACHED**

03R50222A

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: ASHLEY FEDERAL 3-14-9-15

API Number: 43-013-32397

Lease Number: UTU - 66184

Location: NENW Sec. 14 TWN: 09S RNG: 15E

Agreement: N/A

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

CONDITIONS OF APPROVAL 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.

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

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 and oil shale 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  $\pm 876$  ft.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: ASHLEY FED 3-14-9-15Api No: 43-013-32397 Lease Type: FEDERALSection 14 Township 09S Range 15E County DUCHESNEDrilling Contractor LEON ROSS RATHOLE RIG # 21**SPUDDED:**Date 10/24/03Time 2:00 PMHow DRY**Drilling will commence:** \_\_\_\_\_Reported by RAY HERRERATelephone # 1-435-823-1990Date 10/24/2003 Signed CHD

007

PAGE 02

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	13940	43-013-32405	Ashley Federal #7-15-9-15	SW/NE	15	9S	15E	Duchense	October 20, 2003	10/30/03
WELL 1 COMMENTS: <i>GRU</i>											
A	99999	13941	43-013-32397	Ashley Federal #3-14-9-15	NE/NW	14	9S	15E	Duchense	October 24, 2003	10/30/03
WELL 2 COMMENTS: <i>GRU</i>											
A	99999	13942	43-047-34497	Federal #4-31-8-18	NW/NW	31	8S	18E	Uintah	October 25, 2003	10/30/03
WELL 3 COMMENTS: <i>GRU</i>											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

INLAND

4356463044

10/27/2003 13:39

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

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

(3/89)

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OCT 27 2003

DIV. OF OIL, GAS & MINING

*Kebbie S. Jones*

Signature: \_\_\_\_\_ Kebbie S. Jones

Title: Production Clerk Date: October 27, 2003

K

*l*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**008 SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-66184**

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

7. If Unit or CA, Agreement Designation  
**ASHLEY (GR RVR)**

8. Well Name and No.  
**ASHLEY FEDERAL 3-14-9-15**

9. API Well No.  
**43-013-32397**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**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)  
**857 FNL 1940 F<sup>W</sup>L NE/NW Section 14, T9S R15E**

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 10-24-03 MIRU Ross # 21. Spud well @ 2:00 pm, Drill 300' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @ 309.77'/KB. On 11/03/03. Cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 6 bbls cement returned to surface. WOC.

**RECEIVED**

**NOV 06 2003**

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

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

Signed Floyd Mitchell Title Drilling Foreman Date 11/03/03  
Floyd Mitchell

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.

UTU73520X/UTU 66184

6. If Indian, Allottee or Tribe Name.

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

ASHLEY UNIT

8. Well Name and No.

ASHLEY FEDERAL 3-14-9-15

9. API Well No.

430133239700

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Inland Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
587 FNL 1940 FWL  
357 NE/NW Section 14 T9S R15E

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is deepened directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work is performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation requires 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.)

Status report for time period 12/2/03 - 12/12/03 Subject well had completion procedures initiated in the Green River formation on 12/2/03 without the use of a service rig over the well. A cement bond log was run and a total of nine Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (6000-6006'), (5958-5964') (All 4 JSPF); #2 (5673-5683') (4 JSPF); #3 (5588-5594'), (5539-5545') (All 4 JSPF); #4 (5423-5434') (4 JSPF); #5 (5268-5279'), (5243-5259') (All 2 JSPF); #6 (4977-4981'), (4932-4941') (All 4 JSPF); #7 (4870-4877'), (4846-4864') (All 2 JSPF); #8 (4725-4729') (4705-4721') (All 2 JSPF); #9 (4180-4193'), (4139-4155') (All 2 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 12/8/03. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6140'. Zones were swab tested for sand cleanup. A BHA & production tubing string were run in and anchored in well. End of tubing string @ 6029.63'. A new 1 3/4" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12/12/03.

I hereby certify that the foregoing is true and correct  
Name (Printed/ Typed) Martha Hall  
Signature *Martha Hall*  
Title Office Manager  
Date 12/15/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

RECEIVED

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

DEC 16 2003

(Instructions on reverse)

DIV. OF OIL, GAS & MINING



January 12, 2004

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

Attn: Ms. Carol Daniels

Ashley Federal 7-15-9-15 (43-013-32402)  
Ashley Federal 3-14-9-15 (43-013-32397)  
Duchesne County, Utah

Dear Ms. Carol Daniels

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

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

Sincerely,

Brian Harris  
Engineering Tech

Enclosures

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

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

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JAN 14 2004

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.  
1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. \*)  
 At Surface 857' FNL & 1940' FNL (NENW) Sec. 14, Twp 9S, Rng 15E  
 At top prod. Interval reported below

14. API NO. 43-013-32397 DATE ISSUED 1/29/2003

15. DATE SPUNDED 10/24/03 16. DATE T.D. REACHED 10/22/03 17. DATE COMPL. (Ready to prod.) 12/12/03 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6200' GL 6012' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6175' 21. PLUG BACK T.D., MD & TVD 6140' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY -----> 23. INTERVALS ROTARY TOOLS X 23. INTERVALS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River 4139' - 6006'

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Dual Induction Guard, SP, Compensated Neutron, GR, Caliper, Cement Bond Log

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	309'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6165'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6029'	TA @ 5898'

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5,BS) 6000-06', 5958-64'	.038	4/48	5958'-6006'	Frac w/ 39,215# 20/40 sand in 401 bbls fluid.
(CP2) 5673-5683'	.038	4/40	5673-5683'	Frac w/ 34,873# 20/40 sand in 363 bbls fluid.
(Stray,LODC) 5539-45', 5588-94'	.038	4/48	5539-5594'	Frac w/ 39,884# 20/40 sand in 387 bbls fluid.
(LODC) 5423-5434'	.038	4/44	5423-5434'	Frac w/ 64,425# 20/40 sand in 520 bbls fluid.
(LODC) 5243-59', 5268-79'	.038	2/54	5243-5279'	Frac w/ 60,000# 20/40 sand in 484 bbls fluid.
(B.5,B1) 4932-41', 4977-81'	.038	4/52	4932-4981'	Frac w/ 60,000# 20/40 sand in 474 bbls fluid.
(C-sd) 4846-64', 4870-77'	.038	2/60	4846-4877'	Frac w/ 90,000# 20/40 sand in 655 bbls fluid.
(D1) 4705-21', 4725-29'	.038	2/40	4705-4729'	Frac w/ 100,000# 20/40 sand in 710 bbls fluid.
(GB2,4) 4139-55', 4180-93'	.038	2/58	4139-4193'	Frac w/ 80,620# 20/40 sand in 570 bbls fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION 12/12/03 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC Pump WELL STATUS (Producing or shut-in) 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			----->	132	128	20	970

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

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

35. LIST OF ATTACHMENTS

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

SIGNED Brian Harris TITLE Engineering Technician DATE 1/12/2004

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Ashley Federal 3-14-9-15	Garden Gulch Mkr	3658'	
				Garden Gulch 1	3898'	
				Garden Gulch 2	4003'	
				Point 3 Mkr	4258'	
				X Mkr	4530'	
				Y-Mkr	4570'	
				Douglas Creek Mkr	4674'	
				BiCarbonate Mkr	4918'	
				B Limestone Mkr	5020'	
				Castle Peak	5600'	
				Basal Carbonate	6028'	
				Total Depth (LOGGERS)	6178'	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
UT-922

MAR 29 2004

Inland Production Company  
Attn: Gary Alsobrook  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: 7<sup>th</sup> Revision of the Green River Formation PA "A"  
Ashley Unit  
Duchesne County, Utah

Gentlemen:

The 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", Ashley Unit, UTU73520A, is hereby approved effective as of December 1, 2003, pursuant to Section 11 of the Ashley Unit Agreement, Duchesne County, Utah.

The 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", results in the addition of 517.14 acres to the participating area for a total of 2,494.84 acres and is based upon the completion of the following Unit Wells, as wells capable of producing unitized substances in paying quantities.

WELL NO.	API NO.	LOCATION	LEASE NO.
8-10 13917	43-013-32298	SENE, 10-9S-15E	UTU74826
10-10 13872	43-013-32291	Lot 3, 10-9S-15E	UTU74826
<del>2-11 12419</del>	<del>43-013-32214</del>	<del>NWNE, 11-9S-15E</del>	<del>UTU74826</del>
4-11 13926	43-013-32295	NWNW, 11-9S-15E	UTU74826
6-11 13923	43-013-32297	SENW, 11-9S-15E	UTU74826
<del>7-11 12419</del>	<del>43-013-32215</del>	<del>SWNE, 11-9S-15E</del>	<del>UTU74826</del>
14-11 13893	43-013-32303	SESW, 11-9S-15E	UTU74826
1-14 13965	43-013-32395	NENE, 14-9S-15E	UTU66184
3-14 13941	43-013-32397	NENW, 14-9S-15E	UTU66184

to 12419 from

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ENTITY ACTION REQUEST

CR 4/8/04

APR-01-2004 THU 02:47 PM

FAX NO.

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WELL NO.	API NO.	LOCATION	LEASE NO.
4-14 <i>L3985</i>	43-013-32398	NWNW, 14-9S-15E	UTU66184
2-15 <i>14629</i>	43-013-32403	NWNE, 15-9S-15E	UTU66184
6-15 <i>14030</i>	43-013-32404	Lot 2, 15-9S-15E	UTU66184
7-15 <i>13940</i>	43-013-32405	SWNE, 15-9S-15E	UTU66184

to 12419 from

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Copies of the approved requests are being distributed to the appropriate Federal agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", Ashley Unit and its effective date.

Sincerely,

/s/ Terry Catlin

Terry Catlin  
Acting Chief, Branch of Fluid Minerals

Enclosure

cc: Minerals Adjudication Group w/ext b  
Division of Oil, Gas & Mining  
Ashley Unit w/enclosure  
MMS - Data Management Division (Attn: James Sykes)  
Field Manager - Vernal w/enclosure  
Agr. Sec. Chron.  
Fluid Chron.

UT922:TATHOMPSON:tl:3/24/04

Division AFMS	Initial	Assigned
Field Manager	<i>TC</i>	
Planner		
NEPA		
Ranger		
Bus. Practices		
Renewables		
Operations		
BUREAU OF LAND MGMT, VERNAL, UTAH		
APR 1 2004		
MINERALS		
FIRE		
ALL EMPLOYEES		

Q11



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
UT-922

MAR 29 2004

Inland Production Company  
Attn: Gary Alsobrook  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: 7<sup>th</sup> Revision of the Green River Formation PA "A"  
Ashley Unit  
Duchesne County, Utah

Gentlemen:

The 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", Ashley Unit, UTU73520A, is hereby approved effective as of December 1, 2003, pursuant to Section 11 of the Ashley Unit Agreement, Duchesne County, Utah.

The 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", results in the addition of 517.14 acres to the participating area for a total of 2,434.84 acres and is based upon the completion of the following Unit Wells, as wells capable of producing unitized substances in paying quantities.

WELL NO.	API NO.	LOCATION	LEASE NO.
8-10 13917	43-013-32298	SENE, 10-9S-15E	UTU74826
10-10 13872	43-013-32291	Lot 3, 10-9S-15E	UTU74826
<del>2-11 12419</del>	<del>43-013-32214</del>	<del>NWNE, 11-9S-15E</del>	<del>UTU74826</del>
4-11 13926	43-013-32295	NWNW, 11-9S-15E	UTU74826
6-11 13923	43-013-32297	SENW, 11-9S-15E	UTU74826
<del>7-11 12419</del>	<del>43-013-32215</del>	<del>SWNE, 11-9S-15E</del>	<del>UTU74826</del>
14-11 13893	43-013-32303	SESW, 11-9S-15E	UTU74826
1-14 13965	43-013-32395	NENE, 14-9S-15E	UTU66184
3-14 13941	43-013-32397	NENW, 14-9S-15E	UTU66184

to 12419 from

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ENTITY ACTION REQUEST

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FAX NO.

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to 12419 from

WELL NO.	API NO.	LOCATION	LEASE NO.
4-14 13985	43-013-32398	NWNW, 14-9S-15E	UTU66184
2-15 14029	43-013-32403	NWNE, 15-9S-15E	UTU66184
6-15 14030	43-013-32404	Lot 2, 15-9S-15E	UTU66184
7-15 13940	43-013-32405	SWNE, 15-9S-15E	UTU66184

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Copies of the approved requests are being distributed to the appropriate Federal agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 7<sup>th</sup> Revision of the Green River Formation Participating Area "A", Ashley Unit and its effective date.

Sincerely,

/s/ Terry Catlin

Terry Catlin  
Acting Chief, Branch of Fluid Minerals

Enclosure

cc: Minerals Adjudication Group w/ext b  
Division of Oil, Gas & Mining  
Ashley Unit w/enclosure  
MMS - Data Management Division (Attn: James Sykes)  
Field Manager - Vernal w/enclosure  
Agr. Sec. Chron.  
Fluid Chron.

UT922:TATHOMPSON:tl:3/24/04

Division AFMS	Initial	Assigned
Field Manager	TC	
Planner		
NEPA		
Ranger		
Bus. Practices		
Renewables		
Operations		
BUREAU OF LAND MGMT, VERNAL, UTAH		
APR 1 2004		
MINERALS		
FIRE		
ALL EMPLOYEES		



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

**OPERATOR CHANGE WORKSHEET**

**012**

Change of Operator (Well Sold)

Designation of Agent/Operator

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

**X Operator Name Change**

**Merger**

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

**CA No. Unit: ASHLEY**

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
ASHLEY 8-10-9-15	10	090S	150E	4301332298	12419	Federal	OW	P	
ASHLEY 9-10-9-15	10	090S	150E	4301332299	12419	Federal	WI	A	
ASHLEY 15-10-9-15	10	090S	150E	4301332304	12419	Federal	WI	A	
ASHLEY 16-10-9-15	10	090S	150E	4301332305	12419	Federal	OW	OPS	
ASHLEY 4-11-9-15	11	090S	150E	4301332295	12419	Federal	OW	P	
ASHLEY 5-11-9-15	11	090S	150E	4301332296	12419	Federal	WI	A	
ASHLEY 6-11-9-15	11	090S	150E	4301332297	12419	Federal	OW	P	
ASHLEY 11-11-9-15	11	090S	150E	4301332300	12419	Federal	OW	P	
ASHLEY 12-11-9-15	11	090S	150E	4301332301	12419	Federal	OW	P	
ASHLEY 13-11-9-15	11	090S	150E	4301332302	12419	Federal	OW	P	
ASHLEY 14-11-9-15	11	090S	150E	4301332303	12419	Federal	OW	P	
ASHLEY 3-12-9-15	12	090S	150E	4301332319	12419	Federal	OW	P	
ASHLEY 11-12-9-15	12	090S	150E	4301332326	12419	Federal	OW	P	K
ASHLEY 14-12-9-15	12	090S	150E	4301332327	12419	Federal	OW	P	K
ASHLEY FED 3-13-9-15	13	090S	150E	4301332392	12419	Federal	WI	A	K
ASHLEY FED 4-13-9-15	13	090S	150E	4301332393	12419	Federal	OW	P	K
ASHLEY FED 5-13-9-15	13	090S	150E	4301332394	12419	Federal	OW	P	K
ASHLEY FED 1-14-9-15	14	090S	150E	4301332395	12419	Federal	OW	P	K
ASHLEY FED 2-14-9-15	14	090S	150E	4301332396	12419	Federal	OW	P	K
ASHLEY FED 3-14-9-15	14	090S	150E	4301332397	12419	Federal	OW	P	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU66184

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

ASHLEY PA A

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:

ASHLEY FEDERAL 3-14-9-15

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:

4301332397

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 587 FNL 1940 FWL

COUNTY: Duchesne

QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NW, 14, T9S, R15E

STATE: Utah

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

TYPE OF ACTION

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

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

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

NAME (PLEASE PRINT) David Gerbig

TITLE Operations Engineer

SIGNATURE

*David Gerbig*

DATE

3-15-05

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**ASHLEY FEDERAL #3-14-9-15**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**ASHLEY UNIT**  
**LEASE #UTU-66184**  
**MARCH 7, 2005**

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WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – ASHLEY FEDERAL #3-14-9-15
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ATTACHMENT E-7	WELLBORE DIAGRAM – ASHLEY FEDERAL #4-14-9-15
ATTACHMENT E-8	WELLBORE DIAGRAM – ASHLEY FEDERAL #5-14-9-15
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ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 12/5/03
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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1401 17th Street, Suite 1000  
Denver, Colorado 80202

Well Name and number: Ashley Federal #3-14-9-15  
Field or Unit name: Monument Butte (Green River), Ashley Unit Lease No. UTU-66184  
Well Location: QQ NE/NW section 14 township 9S range 15E county Duchesne

Is this application for expansion of an existing project? ..... Yes  No   
Will the proposed well be used for: Enhanced Recovery? ..... Yes  No   
Disposal? ..... Yes  No   
Storage? ..... Yes  No   
Is this application for a new well to be drilled? ..... Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013-32397

Proposed injection interval: from 4003 to 6028  
Proposed maximum injection: rate 500 bpd pressure 1794 psig  
Proposed injection zone contains  oil,  gas, and/or  fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: David Gerbig Signature *David Gerbig*  
Title: Operations Engineer Date 3-15-05  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Ashley Federal 3-14-9-15

Spud Date: 10/24/03  
 Put on Production: 12/12/03  
 GL 6200' KB: 6212'

Initial Production: 132 BOPD,  
 128 MCFD, 20 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

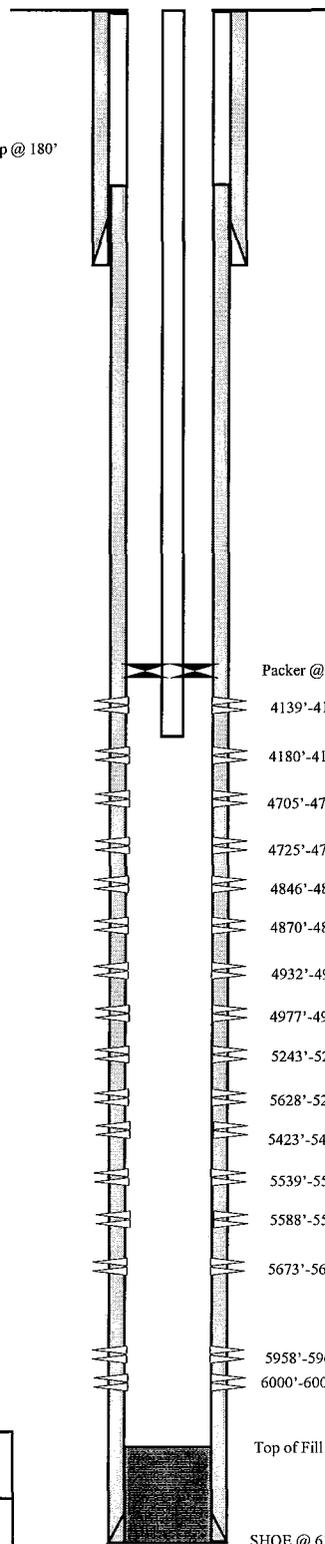
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (299.77')  
 DEPTH LANDED: 309.77' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6167.94')  
 DEPTH LANDED: 6165.94' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 180'

### TUBING

SIZE/GRADE/WT.: 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5886.47')  
 TUBING ANCHOR: 5898.47' KB  
 NO. OF JOINTS: 2 jts (64.74')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5966.01' KB  
 NO. OF JOINTS: 2 jts (62.07')  
 TOTAL STRING LENGTH: BOT @ 6029.63' W/12 'KB



### FRAC JOB

12/5/03	5958'-6006'	<b>Frac CP5 and BS sands as follows:</b> 39,215# 20/40 sand in 401 bbls Lightning 17 fluid. Treated @ avg press of 2080 psi w/avg rate of 24.4 BPM. ISIP 2150 psi. Calc flush: 5956 gal. Actual flush: 5955 gal.
12/5/03	5673'-5683'	<b>Frac CP2 sands as follows:</b> 34,873# 20/40 sand in 363 bbls Lightning 17 fluid. Treated @ avg press of 1811 psi w/avg rate of 24.5 BPM. ISIP 1806 psi. Calc flush: 5671 gal. Actual flush: 5670 gal.
12/5/03	5539'-5594'	<b>Frac LODC and Stray sands as follows:</b> 39,884# 20/40 sand in 387 bbls Lightning 17 fluid. Treated @ avg press of 2550 psi w/avg rate of 25 BPM. ISIP 2530 psi. Calc flush: 5537 gal. Actual flush: 5548 gal.
12/5/03	5423'-5434'	<b>Frac LODC sands as follows:</b> 64,425# 20/40 sand in 520 bbls Lightning 17 fluid. Treated @ avg press of 2684 psi w/avg rate of 24.2 BPM. ISIP 2440 psi. Calc flush: 5421 gal. Actual flush: 5418 gal.
12/5/03	5243'-5279'	<b>Frac LODC sands as follows:</b> 60,000# 20/40 sand in 484 bbls Lightning 17 fluid. Treated @ avg press of 2630 psi w/avg rate of 24.4 BPM. ISIP 2570 psi. Calc flush: 5241 gal. Actual flush: 5250 gal.
12/5/03	4932'-4981'	<b>Frac B.5 and I sands as follows:</b> 60,000# 20/40 sand in 474bbls Lightning 17 fluid. Treated @ avg press of 1970 psi w/avg rate of 24.6 BPM. ISIP 1990 psi. Calc flush: 4930 gal. Actual flush: 4914 gal.
12/5/03	4846'-4877'	<b>Frac C sands as follows:</b> 90,000# 20/40 sand in 655 bbls Lightning 17 fluid. Treated @ avg press of 2370 psi w/avg rate of 24.5 BPM. ISIP 2260 psi. Calc flush: 4844 gal. Actual flush: 4830 gal.
12/5/03	4705'-4729'	<b>Frac D1 sands as follows:</b> 100,000# 20/40 sand in 710 bbls Lightning 17 fluid. Treated @ avg press of 2926 psi w/avg rate of 27.4 BPM. ISIP 2750 psi. Calc flush: 4703 gal. Actual flush: 4704 gal.
12/5/03	4139'-4193'	<b>Frac GB2 and 4 sands as follows:</b> 80,620# 20/40 sand in 570 bbls Lightning 17 fluid. Treated @ avg press of 2150 psi w/avg rate of 24.6 BPM. ISIP 2220 psi. Calc flush: 4137 gal. Actual flush: 4032 gal.
08/18/04		Parted rods. Updated rod detail.

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/2/03	6000'-6006'	4 JSPF	24 holes
12/2/03	5958'-5964'	4 JSPF	24 holes
12/5/03	5673'-5683'	4 JSPF	40 holes
12/5/03	5588'-5594'	4 JSPF	24 holes
12/5/03	5539'-5545'	4 JSPF	24 holes
12/5/03	5423'-5434'	4 JSPF	44 holes
12/5/03	5268'-5279'	2 JSPF	22 holes
12/5/03	5243'-5259'	2 JSPF	32 holes
12/5/03	4977'-4981'	4 JSPF	16 holes
12/5/03	4932'-4941'	4 JSPF	36 holes
12/5/03	4870'-4877'	2 JSPF	14 holes
12/5/03	4846'-4864'	2 JSPF	36 holes
12/5/03	4725'-4729'	2 JSPF	8 holes
12/5/03	4705'-4721'	2 JSPF	32 holes
12/5/03	4180'-4193'	2 JSPF	26 holes
12/5/03	4139'-4155'	2 JSPF	32 holes

**NEWFIELD**

**Ashley Federal 3-14-9-15**

587' FNL & 1940' FWL

NENW Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32397; Lease #UTU-66184

## 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  
1401 17<sup>th</sup> Street, Suite 1000  
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 Ashley Federal #3-14-9-15 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Ashley Unit.
  
  - 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. In the Ashley Federal #3-14-9-15 well, the proposed injection zone is from Garden Gulch to Basal Limestone (4003' - 6028'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 4003' and the Castle Peak top at 5600'.
  
  - 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Ashley Federal #3-14-9-15 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 from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District 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 State lease (Lease #UTU-66184) in the Monument Butte (Green River) Field, Ashley Unit, 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#, J-55 surface casing run to 310' GL, and 5-1/2" 15.5# J-55 casing run from surface to 6166' 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 from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District 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 2003 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 Ashley Federal #3-14-9-15, for existing perforations (4139' - 6006') calculates at 0.75 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1794 psig. We may add additional perforations between 4003' and 6175'. 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 Ashley Federal #3-14-9-15, the proposed injection zone (4003' - 6028') is in the Garden Gulch to Basal limestone members 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 Field. Outside the Monument Butte 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-12.

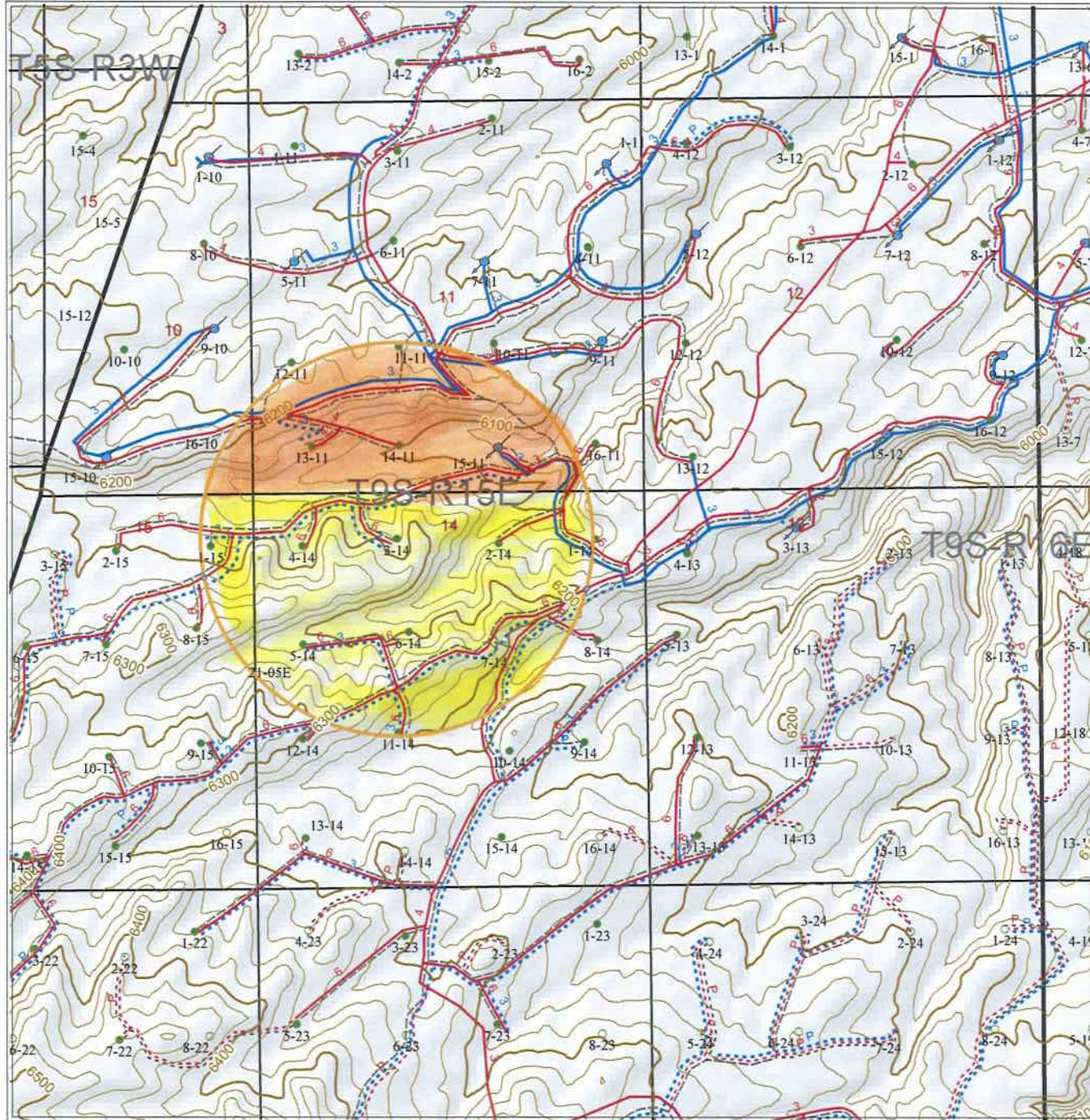
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure 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 *UTU-66184*

- Location
- Surface Spud
- Drilling *UTU-74826*
- Waiting on Completion
- Producing Oil Well
- ⊛ Producing Gas Well
- ⊕ Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Countyline

Injection system

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

Gas Pipelines

- Gathering lines
- ⋯ Proposed lines
- 1/2 mile radius of 3-14-9-15

**Attachment A**  
 Ashley 3-14-9-15  
 Section 14, T9S-R15E



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

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

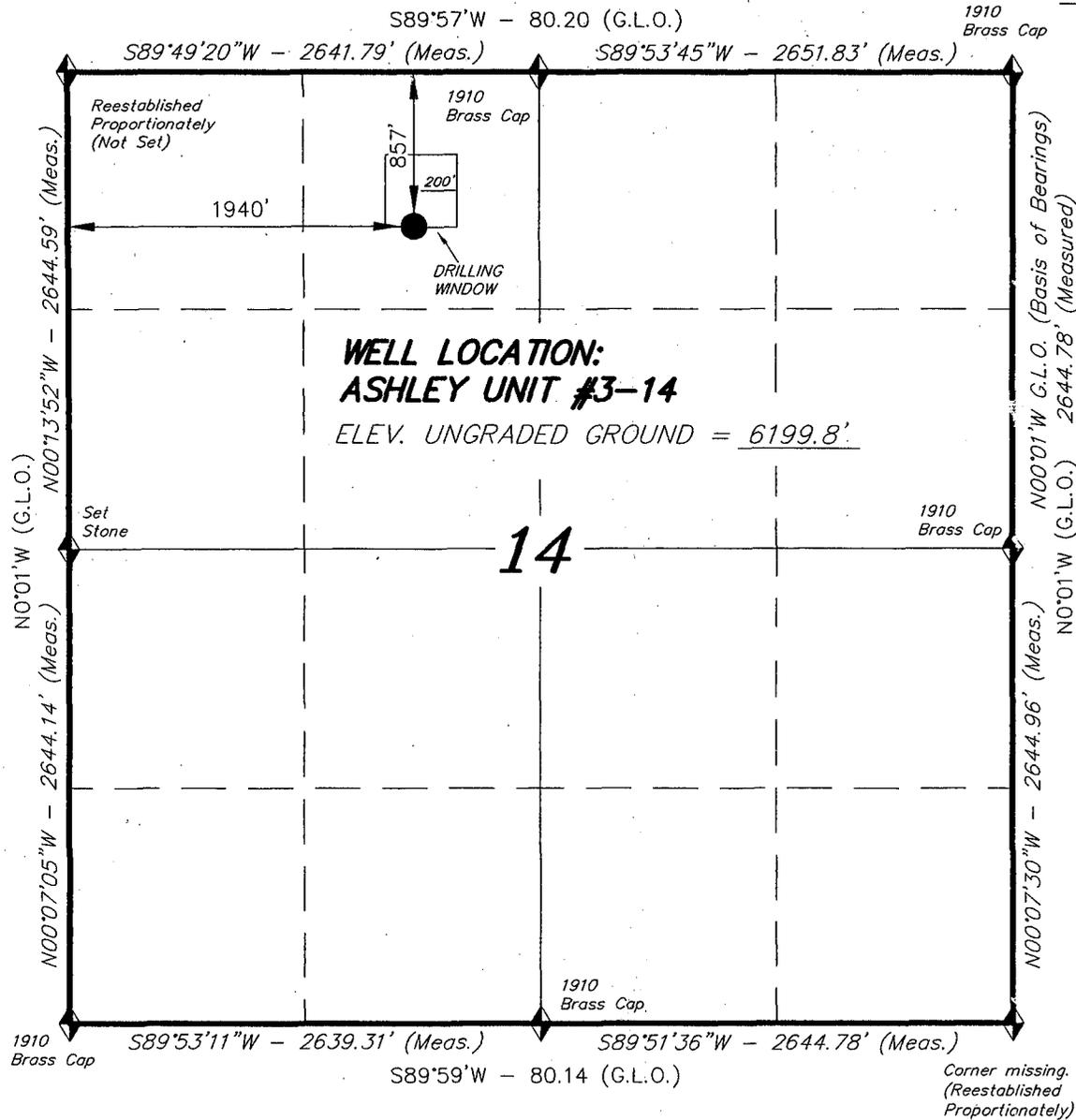
February 25, 2005

# T9S, R15E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, ASHLEY UNIT #3-14,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 14, T9S, R15E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

Attachment A-1



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.

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

◆ = SECTION CORNERS LOCATED

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

## TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 8-19-02	DRAWN BY: J.R.S.
NOTES:	FILE #

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Ashley Federal #3-14-9-15

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: David Gerbig  
Newfield Production Company  
David Gerbig  
Operations Engineer

Sworn to and subscribed before me this 15<sup>th</sup> day of March, 2005.

Notary Public in and for the State of Colorado: Brook Paul

My Commission Expires: 8/29/07

## Ashley Federal 3-14-9-15

Spud Date: 10/24/03  
 Put on Production: 12/12/03  
 GL 6200' KB: 6212'

Initial Production: 132 BOPD,  
 128 MCFD, 20 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (299.77')  
 DEPTH LANDED: 309.77' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (6167.94')  
 DEPTH LANDED: 6165.94' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 180'

#### TUBING

SIZE/GRADE/WT.: 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5886.47')  
 TUBING ANCHOR: 5898.47' KB  
 NO. OF JOINTS: 2 jts (64.74')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5966.01' KB  
 NO. OF JOINTS: 2 jts (62.07')  
 TOTAL STRING LENGTH: EOT @ 6029.63' W/12' KB

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 6-1 1/2" weight bars; 19-3/4" scraped rods; 113-3/4" plain rods, 99-3/4" scraped rods, 1-8", x 3/4" pony rods.  
 PUMP SIZE: 2 1/2" x 1 3/4" x 15.5' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL

#### FRAC JOB

12/5/03 5958'-6006' **Frac CP5 and BS sands as follows:**  
 39,215# 20/40 sand in 401 bbls Lightning 17 fluid. Treated @ avg press of 2080 psi w/avg rate of 24.4 BPM. ISIP 2150 psi. Calc flush: 5956 gal. Actual flush: 5955 gal.

12/5/03 5673'-5683' **Frac CP2 sands as follows:**  
 34,873# 20/40 sand in 363 bbls Lightning 17 fluid. Treated @ avg press of 1811 psi w/avg rate of 24.5 BPM. ISIP 1806 psi. Calc flush: 5671 gal. Actual flush: 5670 gal.

12/5/03 5539'-5594' **Frac LODC and Stray sands as follows:**  
 39,884# 20/40 sand in 387 bbls Lightning 17 fluid. Treated @ avg press of 2550 psi w/avg rate of 25 BPM. ISIP 2530 psi. Calc flush: 5537 gal. Actual flush: 5548 gal.

12/5/03 5423'-5434' **Frac LODC sands as follows:**  
 64,425# 20/40 sand in 520 bbls Lightning 17 fluid. Treated @ avg press of 2684 psi w/avg rate of 24.2 BPM. ISIP 2440 psi. Calc flush: 5421 gal. Actual flush: 5418 gal.

12/5/03 5243'-5279' **Frac LODC sands as follows:**  
 60,000# 20/40 sand in 484 bbls Lightning 17 fluid. Treated @ avg press of 2630 psi w/avg rate of 24.4 BPM. ISIP 2570 psi. Calc flush: 5241 gal. Actual flush: 5250 gal.

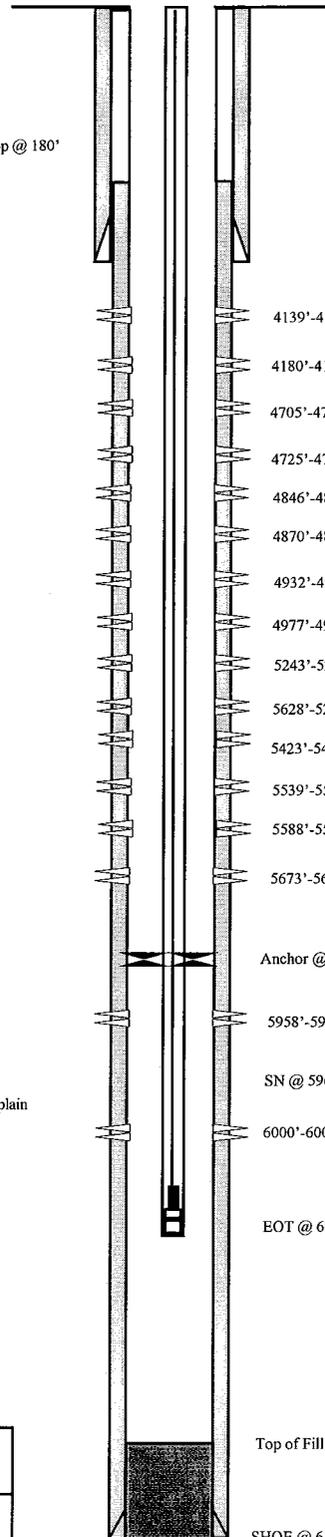
12/5/03 4932'-4981' **Frac B.5 and 1 sands as follows:**  
 60,000# 20/40 sand in 474bbls Lightning 17 fluid. Treated @ avg press of 1970 psi w/avg rate of 24.6 BPM. ISIP 1990 psi. Calc flush: 4930 gal. Actual flush: 4914 gal.

12/5/03 4846'-4877' **Frac C sands as follows:**  
 90,000# 20/40 sand in 655 bbls Lightning 17 fluid. Treated @ avg press of 2370 psi w/avg rate of 24.5 BPM. ISIP 2260 psi. Calc flush: 4844 gal. Actual flush: 4830 gal.

12/5/03 4705'-4729' **Frac D1 sands as follows:**  
 100,000# 20/40 sand in 710 bbls Lightning 17 fluid. Treated @ avg press of 2926 psi w/avg rate of 27.4 BPM. ISIP 2750 psi. Calc flush: 4703 gal. Actual flush: 4704 gal.

12/5/03 4139'-4193' **Frac GB2 and 4 sands as follows:**  
 80,620# 20/40 sand in 570 bbls Lightning 17 fluid. Treated @ avg press of 2150 psi w/avg rate of 24.6 BPM. ISIP 2220 psi. Calc flush: 4137 gal. Actual flush: 4032 gal.

08/18/04 Parted rods. Updated rod detail.



#### PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/2/03	6000'-6006'	4 JSPF	24 holes
12/2/03	5958'-5964'	4 JSPF	24 holes
12/5/03	5673'-5683'	4 JSPF	40 holes
12/5/03	5588'-5594'	4 JSPF	24 holes
12/5/03	5539'-5545'	4 JSPF	24 holes
12/5/03	5423'-5434'	4 JSPF	44 holes
12/5/03	5268'-5279'	2 JSPF	22 holes
12/5/03	5243'-5259'	2 JSPF	32 holes
12/5/03	4977'-4981'	4 JSPF	16 holes
12/5/03	4932'-4941'	4 JSPF	36 holes
12/5/03	4870'-4877'	2 JSPF	14 holes
12/5/03	4846'-4864'	2 JSPF	36 holes
12/5/03	4725'-4729'	2 JSPF	8 holes
12/5/03	4705'-4721'	2 JSPF	32 holes
12/5/03	4180'-4193'	2 JSPF	26 holes
12/5/03	4139'-4155'	2 JSPF	32 holes

**NEWFIELD**

**Ashley Federal 3-14-9-15**

587' FNL & 1940' FWL

NENW Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32397; Lease #UTU-66184

## Ashley #11-11-9-15

Spud Date: 08/28/03  
 Put on Production: 10/18/03  
 GL: 6163' KB: 6175'

Initial Production: 80 BOPD,  
 260 MCFD, 12 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (303.86')  
 DEPTH LANDED: 313.86' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt., w/3 Bbls. CMT to surface.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (6197.06')  
 DEPTH LANDED: 6195.06' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 285 sxs Premlite II mixed, 400 sxs 50/50 POZ., W/2 Bbls CMT to pit.  
 CEMENT TOP AT: 150'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 177 jts (5861.57')  
 TUBING ANCHOR: 5864.37'  
 NO. OF JOINTS: 3 jts (5963.54')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 5964.64'  
 NO. OF JOINTS: 2 jts (6030.81')  
 TOTAL STRING LENGTH: EOT @ 6031.26' w/12' KB

#### SUCKER RODS

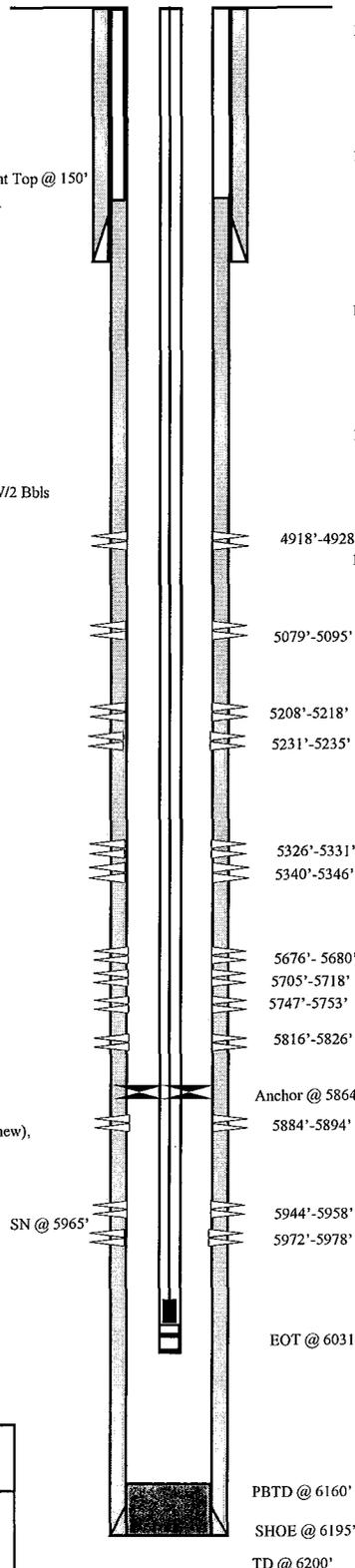
POLISHED ROD: 1-1/2" x 22' polished  
 SUCKER RODS: 6 1-1/2" K-bars (new), 10- 3/4" scrappered rods (new), 122- 3/4" plain rods (B grade), 99- 3/4" scrappered rods (new), 2', 6', 8', x 3/4" pony rods.  
 PUMP SIZE: Randy's 2-1/2" x 1-1/2" x 12' x 15' RHAC pump.  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL

#### FRAC JOB

10/10/03	5816'-5978'	<b>Frac CP2/CP3/CP4 sands as follows:</b> 99,990# 20/40 sand in 734 bbls Viking I-25 fluid. Treated @ avg press of 1770 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 5814 gal. Actual flush: 5901 gal. Includes 3 bbls. pump & line volume.
10/10/03	5676'-5753'	<b>Frac CP1 &amp; CP.5 sands as follows:</b> 60,235# 20/40 sand in 488 bbls. Viking I-25 fluid. Treated @ avg. press of 1740 psi w/ avg rate of 25 BPM. ISIP 1870 psi. Cal. Flush: 5674 gal. Actual flush: 5712 gal. Includes 3 bbls. pump & line volume.
10/10/03	5208'-5346'	<b>Frac LODC &amp; A1 sands as follows:</b> 59,919# 20/40 sand in 479 bbls. Viking I-25 fluid. Treated @ avg. press of 2015 psi w/ avg rate of 24.8 BPM. ISIP 2090 psi. Calc. Flush: 5206 gal. Actual flush: 5292 gal. Includes 3 bbls. pump & line volume.
10/13/03	5079'-5095'	<b>Frac B2 sands as follows:</b> 75,682# 20/40 sand in 580 bbls. Viking I-25 fluid. Treated @ avg. press of 1720 psi w/ avg rate of 24.5 BPM. ISIP 2100 psi. Cal. Flush: 5077 gal. Actual flush: 5124 gal. Includes 2 bbls. pump & line volume.
10/13/03	4918'-4928'	<b>Frac C sands as follows:</b> 39,856# 20/40 sand in 360 bbls. Viking I-25 fluid. Treated @ avg. press of 2600 psi w/ avg rate of 24.2 BPM. Screened out W/481 gals. to flush. Calc. Flush: 4916 gal. Actual flush: 4435 gal.

#### PERFORATION RECORD

10/09/03	5972'-5978'	2 JSFP	12 holes
10/09/03	5944'-5958'	2 JSFP	28 holes
10/09/03	5884'-5894'	2 JSFP	20 holes
10/09/03	5816'-5826'	2 JSFP	20 holes
10/10/03	5747'-5753'	4 JSFP	24 holes
10/10/03	5705'-5718'	4 JSFP	52 holes
10/10/03	5676'-5680'	4 JSFP	16 holes
10/10/03	5340'-5346'	4 JSFP	24 holes
10/10/03	5326'-5331'	4 JSFP	20 holes
10/10/03	5231'-5235'	4 JSFP	16 holes
10/10/03	5208'-5218'	4 JSFP	40 holes
10/10/03	5079'-5095'	4 JSFP	64 holes
10/13/03	4918'-4928'	4 JSFP	40 holes



**NEWFIELD**

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**Ashley #11-11-9-15**  
 2001' FSL & 1979' FWL  
 NE/SW Section 11 - T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32300; Lease #UTU-74826

# Ashley 13-11-9-15

Spud Date: 9/6/03  
 Put on Production: 10/9/03  
 GL: 6143' KB: 6155'

Initial Production: 89 BOPD,  
 106 MCFD, 31 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.79')  
 DEPTH LANDED: 305.79' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf mixed.  
 Cement Top @ 90'

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6106.34')  
 DEPTH LANDED: 6104.34' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 90'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5721.22')  
 TUBING ANCHOR: 5733.22' KB  
 NO. OF JOINTS: 1 jts (33.10')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5769.12' KB  
 NO. OF JOINTS: 2 jts (66.19')  
 TOTAL STRING LENGTH: EOT @ 5836.86' W/12 'KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 114-3/4" plain rods, 99-3/4" scraped rods, 1-2' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15" RHAC pump w/ SM Plunger  
 STROKE LENGTH: 85"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

10/1/03 5580'-5775' **Frac CP.5,2,3 sands as follows:**  
 80,780# 20/40 sand in 599 bbls Viking I-25 fluid. Treated @ avg press of 1695 psi w/avg rate of 24.9 BPM. ISIP 1920 psi. Calc flush: 5578 gal. Actual flush: 5460 gal.

10/1/03 4989'-5244' **Frac LODC and B2 sands as follows:**  
 50,900# 20/40 sand in 422 bbls Viking I-25 fluid. Treated @ avg press of 2447 psi w/avg rate of 24.4 BPM. ISIP 2360 psi. Calc flush: 4987 gal. Actual flush: 4914 gal.

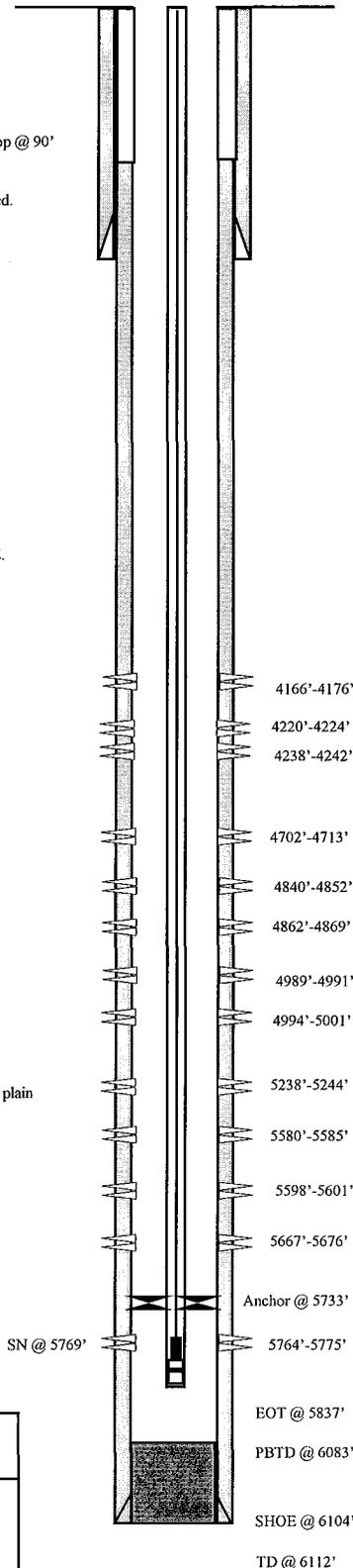
10/1/03 4840'-4869' **Frac C sands as follows:**  
 49,800# 20/40 sand in 416 bbls Viking I-25 fluid. Treated @ avg press of 2523 psi w/avg rate of 24.1 BPM. ISIP 2300 psi. Calc flush: 4838 gal. Actual flush: 4746 gal.

10/1/03 4166'-4242' **Frac GB 4 and 6 sands as follows:**  
 57,800# 20/40 sand in 442 bbls Viking I-25 fluid. Treated @ avg press of 2360 psi w/avg rate of 24.6 BPM. ISIP 2360 psi. Calc flush: 4164 gal. Actual flush: 4074 gal.

10/6/03 4702'-4713' **Frac D1 sands as follows:**  
 20,142# 20/40 sand in 195 bbls Viking I-25 fluid. Treated @ avg press of 3725 psi w/avg rate of 14.5 BPM. ISIP 1860 psi. Calc flush: 1219 gal. Actual flush: 1092 gal.

**PERFORATION RECORD**

9/29/03	5764'-5775'	4 JSPF	44 holes
9/29/03	5667'-5676'	4 JSPF	36 holes
9/29/03	5598'-5601'	4 JSPF	12 holes
9/29/03	5580'-5585'	4 JSPF	20 holes
10/1/03	5238'-5244'	4 JSPF	24 holes
10/1/03	4994'-5001'	4 JSPF	28 holes
10/1/03	4989'-4991'	4 JSPF	8 holes
10/1/03	4862'-4869'	4 JSPF	28 holes
10/1/03	4840'-4852'	4 JSPF	48 holes
10/1/03	4702'-4713'	4 JSPF	44 holes
10/1/03	4238'-4242'	4 JSPF	16 holes
10/1/03	4220'-4224'	4 JSPF	16 holes
10/1/03	4166'-4176'	4 JSPF	40 holes





**Inland Resources Inc.**

**Ashley 13-11-9-15**

675' FSL & 809' FWL

SW/SW Section 11-T9S-R15E

Duchesne Co, Utah

API #43-013-32302; Lease #UTU-74826

## Ashley 14-11-9-15

Spud Date: 09/18/03  
 Put on Production: 12/31/03  
 GL: 6099' KB: 6111'

Initial Production: 127 BOPD,  
 12 MCFD, 56 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (303.41')  
 DEPTH LANDED: 313.41' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6090.61')  
 DEPTH LANDED: 6088.61' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 120'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 179 jts (5787.14')  
 TUBING ANCHOR: 5799.14' KB  
 NO. OF JOINTS: 1 jt (32.31')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5834.35' KB  
 NO. OF JOINTS: 2 jts (64.73')  
 TOTAL STRING LENGTH: EOT @ 5900.58' W/12' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 6-1 1/2" weight rods, 10-3/4" scraped rods; 117-3/4" plain rods, 100-3/4" scraped rods, 1-8", 1-6", 1-4", 1-2" x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC pump w/ SM Plunger  
 STROKE LENGTH: 100"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL

#### FRAC JOB

12/18/03 5840'-5846' **Frac CP4 sands as follows:**  
 19,363# 20/40 sand in 252 bbls Viking I-25 frac fluid. Treated @ avg press of 3400 psi w/avg rate of 16 BPM. ISIP 3842 psi. Screened out w/ 3583# sand still in csg. Calc flush: 5838 gal. Actual flush: 5838 gal.

12/18/03 5203'-5228' **Frac LODC sands as follows:**  
 40,389# 20/40 sand in 385 bbls Viking I-25 frac fluid. Treated @ avg press of 2449 psi w/avg rate of 24.4 BPM. ISIP 2850 psi. Calc flush: 5201 gal. Actual flush: 5208 gal.

12/18/03 4905'-4914' **Frac B.5 sands as follows:**  
 40,070# 20/40 sand in 372 bbls Viking I-25 frac fluid. Treated @ avg press of 2340 psi w/avg rate of 24.4 BPM. ISIP 2180 psi. Calc flush: 4903 gal. Actual flush: 4914 gal.

12/18/03 4840'-4860' **Frac C sands as follows:**  
 79,267# 20/40 sand in 584 bbls Viking I-25 frac fluid. Treated @ avg press of 2429 psi w/avg rate of 24.4 BPM. ISIP 2400 psi. Calc flush: 4838 gal. Actual flush: 4830 gal.

12/18/03 4685'-4696' **Frac D1 sands as follows:**  
 63,760# 20/40 sand in 498 bbls Viking I-25 frac fluid. Treated @ avg press of 2000 psi w/avg rate of 24.3 BPM. ISIP 2150 psi. Calc flush: 4683 gal. Actual flush: 4704 gal.

12/19/03 4202'-4210' **Frac GB6 sands as follows:**  
 25,620# 20/40 sand in 260 bbls Viking I-25 frac fluid. Treated @ avg press of 2200 psi w/avg rate of 24.5 BPM. ISIP 2060 psi. Calc flush: 4200 gal. Actual flush: 4116 gal.

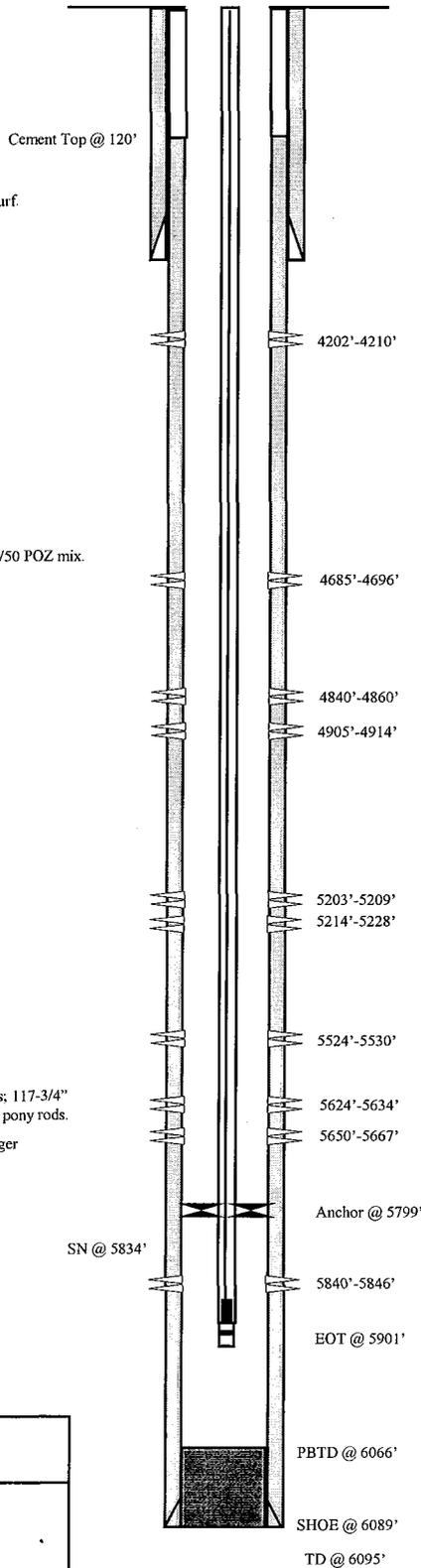
12/23/03 5624'-5667' **Frac CP1 and 2 sands as follows:**  
 49,758# 20/40 sand in 409 bbls Viking I-25 frac fluid. Treated @ avg press of 3356 psi w/avg rate of 16.4 BPM. ISIP 1950 psi. Calc flush: 1443 gal. Actual flush: 1344 gal.

12/23/03 5524'-5530' **Frac LODC sands as follows:**  
 41,364# 20/40 sand in 346 bbls Viking I-25 frac fluid. Treated @ avg press of 4325 psi w/avg rate of 16.2 BPM. ISIP 3010 psi. Calc flush: 1425 gal. Actual flush: 1302 gal.

12/16/04 Parted rods. Update rod detail.

#### PERFORATION RECORD

Date	Interval	ISPF	Holes
12/15/03	5840'-5846'	4 JSPF	24 holes
12/18/03	5214'-5228'	4 JSPF	56 holes
12/18/03	5203'-5209'	4 JSPF	24 holes
12/18/03	4905'-4914'	4 JSPF	36 holes
12/18/03	4840'-4860'	4 JSPF	80 holes
12/18/03	4685'-4696'	4 JSPF	44 holes
12/19/03	4202'-4210'	4 JSPF	32 holes
12/22/03	5650'-5667'	4 JSPF	68 holes
12/22/03	5624'-5634'	4 JSPF	40 holes
12/22/03	5524'-5530'	4 JSPF	24 holes



**NEWFIELD**

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**Ashley 14-11-9-15**

1981' FWL & 673' FSL

SESW Section 11-T9S-R15E

Duchesne Co, Utah

API #43-013-32303; Lease #UTU-74826

# Ashley 15-11-9-15

Spud Date: 10/19/2001  
 Put on Production: 11/30/2001  
 GL: 6070' KB: 6080'

Initial Production: 83.7 BOPD,  
 57.0 MCFD, 20.2 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (296.71')  
 DEPTH LANDED: 304.71'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbl cmt to surf.

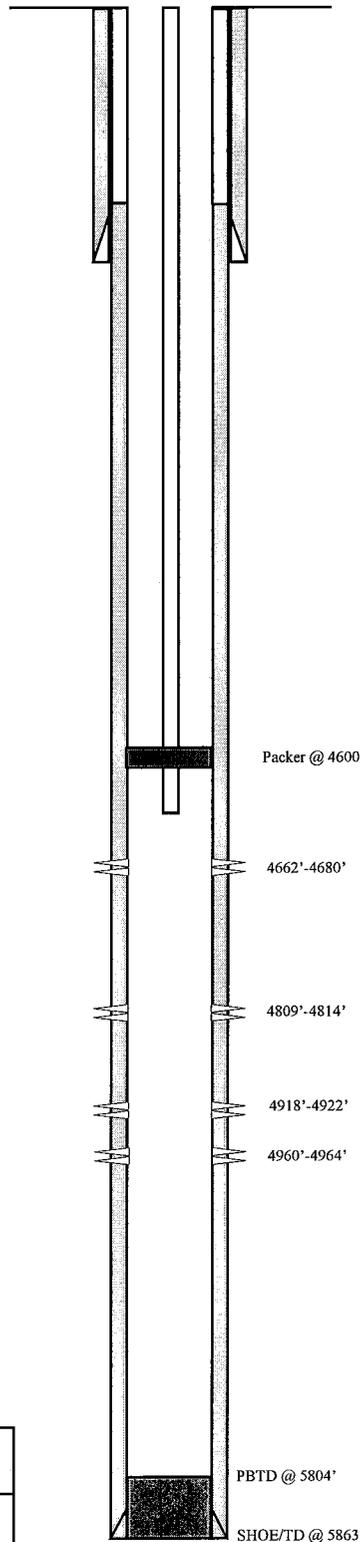
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5865.45')  
 DEPTH LANDED: 5862.95'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 250'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4585.70')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 4595.70'  
 PACKER: 4600.03'  
 TOTAL STRING LENGTH: BOT @ 4604.22'

Injection Wellbore Diagram



**FRAC JOB**

11/19/01 4809'-4964' **Frac B/C sand as follows:**  
 34,615# 20/40 sand in 335 bbls Viking I-25 fluid. Treated @ avg press of 2050 psi w/avg rate of 25.8 BPM. ISIP 2130 psi. Leave pressure on zone, move to upper zone.  
 11/19/01 4662'-4680' **Frac D-1 sand as follows:**  
 69,665# 20/40 sand in 533 bbls Viking I-25 fluid. Treated @ avg press of 1800 psi w/avg rate of 25.5 BPM. ISIP 2010 psi. Open both zones, flow on 12/64" choke for 5.5 hrs. then died.  
 11/21/03 Injection conversion. Ready for MIT.

**PERFORATION RECORD**

11/19/01	4960'-4964'	4 JSPF	16 holes
11/19/01	4918'-4922'	4 JSPF	20 holes
11/19/01	4809'-4814'	4 JSPF	16 holes
11/19/01	4662'-4680'	4 JSPF	16 holes



**Inland Resources Inc.**  
 Ashley 15-11-9-15  
 632' FSL & 1974' FEL  
 SW/SE Section 11-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32249; Lease #UTU-74826

# Ashley Federal 1-14-9-15

Spud Date: 10/28/03  
Put on Production: 12/19/03

Initial Production: 95 BOPD,  
150 MCFD, 13 BWPD

GL: 6245' KB: 6257'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302.76')  
DEPTH LANDED: 312.76' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surface  
Cement Top @ 180'

### PRODUCTION CASING

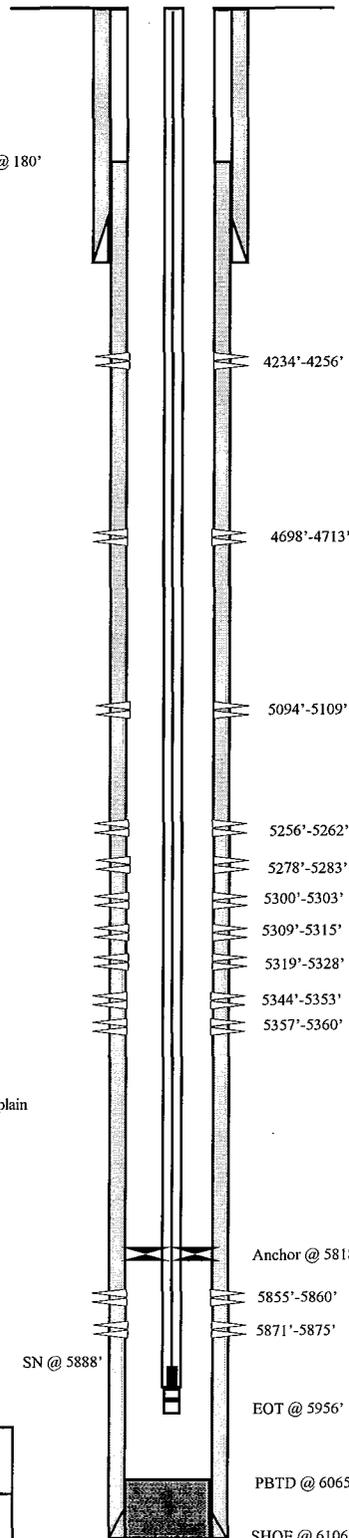
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts. (6107.65')  
DEPTH LANDED: 6105.65' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 180'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 174 jts (5806.15')  
TUBING ANCHOR: 5818.15' KB  
NO. OF JOINTS: 2 jts (66.68')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5887.58' KB  
NO. OF JOINTS: 2 jts (66.64')  
TOTAL STRING LENGTH: EOT @ 5955.72' W/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 119-3/4" plain rods, 100-3/4" scraped rods, 1-4', 1-8" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM Plunger  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 7 SPM  
LOGS: DIGL/SP/GR/CAL



### FRAC JOB

12/11/03 5855'-5875' **Frac CP sands as follows:**  
29,930# 20/40 sand in 332 bbls Viking I-25 fluid. Treated @ avg press of 2212 psi w/avg rate of 28 BPM. ISIP 2120 psi. Calc flush: 5853 gal. Actual flush: 5838 gal.

12/11/03 5256'-5360' **Frac LODC sands as follows:**  
99,985# 20/40 sand in 717 bbls Viking I-25 fluid. Treated @ avg press of 2254 psi w/avg rate of 24.6 BPM. ISIP 2450 psi. Calc flush: 5254 gal. Actual flush: 5250 gal.

12/11/03 5094'-5109' **Frac A1 sands as follows:**  
50,290# 20/40 sand in 425 bbls Viking I-25 fluid. Treated @ avg press of 1997 psi w/avg rate of 24.7 BPM. ISIP 2140 psi. Calc flush: 5092 gal. Actual flush: 5082 gal.

12/12/03 4698'-4713' **Frac D1 sands as follows:**  
69,566# 20/40 sand in 536 bbls Viking I-25 fluid. Treated @ avg press of 1863 psi w/avg rate of 24.7 BPM. ISIP 2030 psi. Calc flush: 4696 gal. Actual flush: 4704 gal.

12/12/03 4234'-4256' **Frac GB6 sands as follows:**  
69,442# 20/40 sand in 530 bbls Viking I-25 fluid. Treated @ avg press of 1770 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4232 gal. Actual flush: 4158 gal.

### PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
12/9/03	5871'-5875'	4	JSPF 16 holes
12/9/03	5855'-5860'	4	JSPF 20 holes
12/11/03	5357'-5360'	2	JSPF 6 holes
12/11/03	5344'-5353'	2	JSPF 18 holes
12/11/03	5319'-5328'	2	JSPF 18 holes
12/11/03	5309'-5315'	2	JSPF 12 holes
12/11/03	5300'-5303'	2	JSPF 6 holes
12/11/03	5278'-5283'	2	JSPF 10 holes
12/11/03	5256'-5262'	2	JSPF 12 holes
12/11/03	5094'-5109'	4	JSPF 60 holes
12/11/03	4698'-4713'	4	JSPF 60 holes
12/12/03	4234'-4256'	2	JSPF 44 holes



**Inland Resources Inc.**

**Ashley Federal 1-14-9-15**

627' FNL & 674' FEL

NENE Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32395; Lease #UTU-66184

# Ashley Federal 2-14-9-15

Spud Date: 2/6/2004  
 Put on Production: 8/26/2004  
 GL: 6115' KB: 6127'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (300.94')  
 DEPTH LANDED: 311.44' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150sxs Class "G" mixed cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

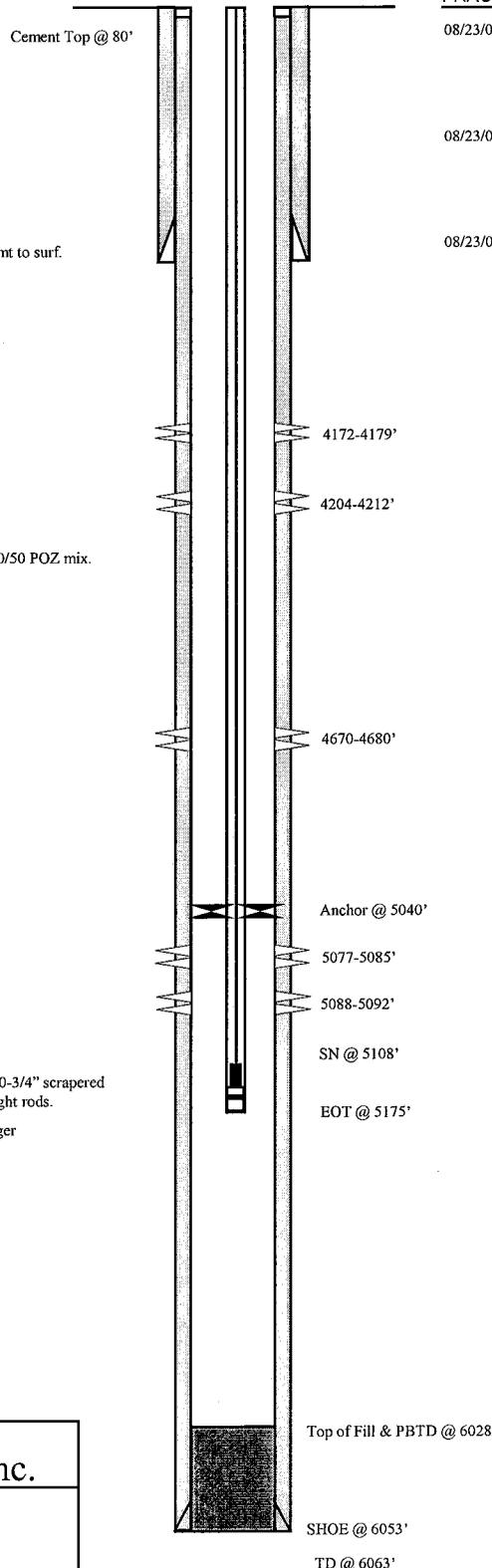
CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6054.82')  
 DEPTH LANDED: 6052.82' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 280 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 80'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 155 jts (5028.03')  
 TUBING ANCHOR: 5040.03' KB  
 NO. OF JOINTS: 2 jts (65.16')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5107.99' KB  
 NO. OF JOINTS: 2 jts (65.10')  
 TOTAL STRING LENGTH: EOT @ 5174.64' w/ 12' KB

### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rods, 1- 3/4" plain rod, 100-3/4" scraped rods; 87-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 80"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL



### FRAC JOB

08/23/04 5077-5092' **Frac A1 sands as follows:**  
 39,673# 20/40 sand in 378 bbls lightning Frac 17 fluid. Treated @ avg press of 2210 psi w/avg rate of 24.3 BPM. ISIP 2660 psi. Calc flush: 5075 gal. Actual flush: 5074 gal.

08/23/04 4670-4680' **Frac D1 sands as follows:**  
 50,027# 20/40 sand in 425 bbls lightning Frac 17 fluid. Treated @ avg press of 1696 psi w/avg rate of 24.5 BPM. ISIP 2050 psi. Calc flush: 4668 gal. Actual flush: 4662 gal.

08/23/04 4172-4212' **Frac GB6 sands as follows:**  
 40,809# 20/40 sand in 375 bbls lightning Frac 17 fluid. Treated @ avg press of 1793 psi w/avg rate of 24.6 BPM. ISIP 2000 psi. Calc flush: 4170 gal. Actual flush: 4087 gal.

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
8/18/04	5088-5092'	4 JSPF	16 holes
8/18/04	5077-5085'	4 JSPF	32 holes
8/23/04	4670-4680'	4 JSPF	40 holes
8/23/04	4204-4212'	4 JSPF	32 holes
8/23/04	4172-4179'	4 JSPF	28 holes



**Inland Resources Inc.**

Ashley Federal 2-14-9-15  
 486' FNL & 1809' FEL  
 NW/NE Section 14-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32396; Lease #UTU-66184

# Ashley Federal 4-14-9-15

Spud Date: 12/17/03  
 Put on Production: 02/20/04  
 GL: 6168' KB: 6180'

Initial Production: 110 BOPD,  
 215 MCFD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.3')  
 DEPTH LANDED: 314.3' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

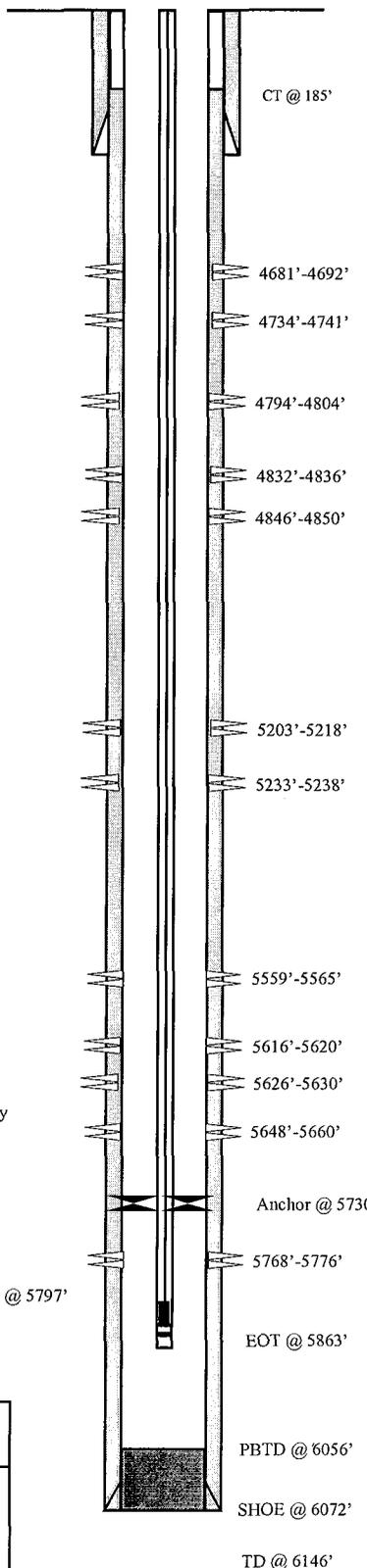
CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6074.14')  
 DEPTH LANDED: 6072.64' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 420 sxs 50/50 POZ.  
 CEMENT TOP AT: 185'

**TUBING**

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 177 jts (5717.21')  
 TUBING ANCHOR: 5729.71' KB  
 NO. OF JOINTS: 2 jts (64.71')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5797.17' KB  
 NO. OF JOINTS: 2 jts (64.57')  
 TOTAL STRING LENGTH: EOT @ 5863.24' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight rods, 10- 3/4" scraped rods, 115- 3/4" plain rods, 101-3/4" scraped rods, 2-2', 1-8' x 3/4" pony rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 14.5' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/SP/GR/CAL



**FRAC JOB**

2/16/04 5559'-5776' **Frac CP and stray sands as follows:**  
 80,000# 20/40 sand in 615 bbls  
 Lightning 17 fluid. Treated @ avg. press of 1740 psi w/ avg. rate of 24.5 BPM. ISIP: 1880 psi. Calc flush: 5557 gal. Actual flush: 5599 gal.

2/16/04 5203'-5238' **Frac LODC sands as follows:**  
 40,362# 20/40 sand in 383 bbls  
 Lightning 17 fluid. Treated @ avg. press of 2465 psi w/ avg. rate of 24.7 BPM. ISIP: 2460 psi. Calc flush: 5201 gal. Actual flush: 5616 gal. (5 bbls 15% HCL acid in flush)

2/16/04 4794'-4850' **Frac C and D3 sands as follows:**  
 68,968# 20/40 sand in 542 bbls  
 Lightning 17 fluid. Treated @ avg. press of 2200 psi w/ avg. rate of 24.8 BPM. ISIP: 2440 psi. Calc flush: 4792 gal. Actual flush: 4830 gal. (5 bbls 15% HCL acid in flush)

2/16/04 4681'-4804' **Frac D sands as follows:**  
 73,422# 20/40 sand in 546 bbls  
 Lightning 17 fluid. Treated @ avg. press of 2685 psi w/ avg. rate of 24.7 BPM. ISIP: 2100 psi. Calc flush: 4679 gal. Actual flush: 4595 gal.

9/15/04  
 Rods came unscrewed. Update rod detail.

**PERFORATION RECORD**

2/12/04	5768'-5776'	4 JSPF	32 holes
2/12/04	5648'-5660'	4 JSPF	48 holes
2/12/04	5626'-5630'	4 JSPF	16 holes
2/12/04	5616'-5620'	4 JSPF	16 holes
2/12/04	5559'-5565'	4 JSPF	24 holes
2/16/04	5233'-5238'	4 JSPF	20 holes
2/16/04	5203'-5218'	4 JSPF	60 holes
2/16/04	4846'-4850'	4 JSPF	16 holes
2/16/04	4832'-4836'	4 JSPF	16 holes
2/16/04	4794'-4804'	4 JSPF	40 holes
2/16/04	4734'-4741'	4 JSPF	28 holes
2/16/04	4681'-4692'	4 JSPF	44 holes



**Inland Resources Inc.**

**Ashley Federal 4-14-9-15**

665 FNL & 666 FWL

NWNW Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32398 ; Lease #UTU-66184

## ASHLEY FEDERAL 5-14-9-15

Spud Date: 9-09-2004  
 Put on Production: 11/02/04  
 GL: 6205' KB: 6217'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (325.65')  
 DEPTH LANDED: 335.65' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150sxs Class "G" mixed cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6034.19')  
 DEPTH LANDED: 6030.19' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 285 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 74'

#### TUBING

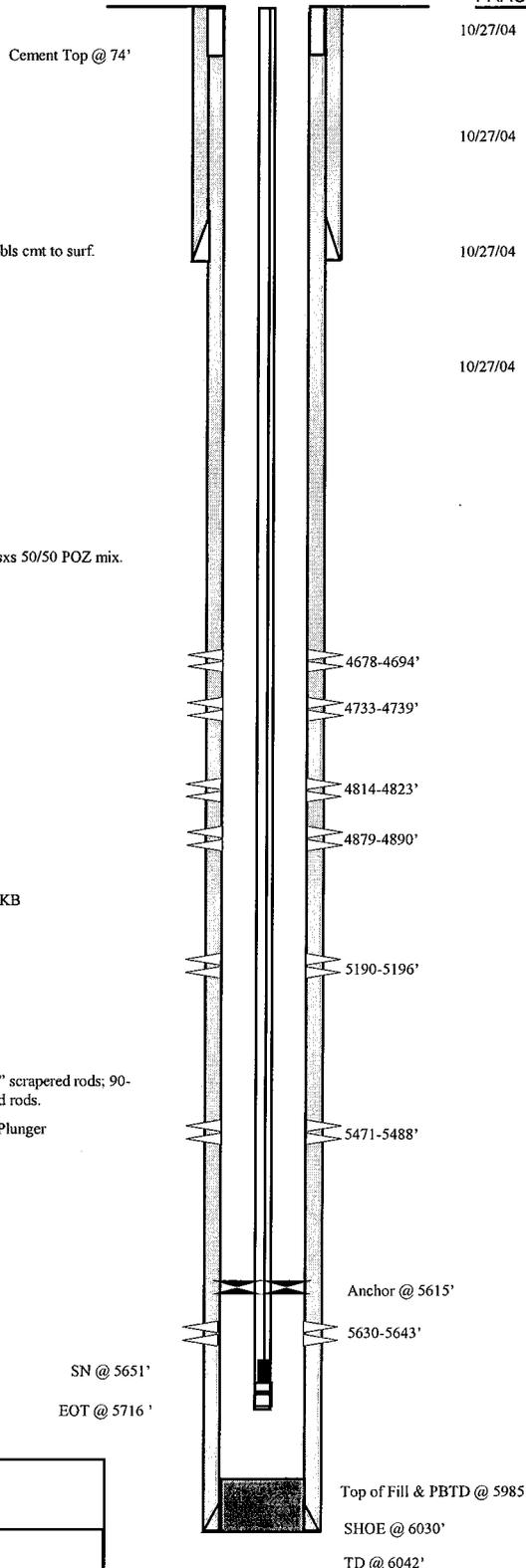
SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5603.48')  
 TUBING ANCHOR: 5615.48' KB  
 NO. OF JOINTS: 1 jts (32.47')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5650.75' KB  
 NO. OF JOINTS: 2 jts (63.29')  
 TOTAL STRING LENGTH: EOT @ 5715.59' w/ 12' KB

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-8', 2-6, 1-2'x 3/4" pony rod, 119-3/4" scraped rods; 90-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL

#### FRAC JOB

10/27/04	5471-5643'	<b>Frac CPI &amp; LODC sands as follows:</b> 39,600#s 20/40 sand in 414 bbls Lightning Frac 17 fluid. Treated @ avg press of 1611 psi w/avg rate of 24.9 BPM. ISIP 1840 psi. Calc flush: 5469 gals. Actual flush: 5460 gals.
10/27/04	5190-5196'	<b>Frac LODC sands as follows:</b> 13,765# 20/40 sand in 233 bbls Lightning Frac 17 fluid. Treated @ avg press of 2157 psi w/avg rate of 14.7 BPM. ISIP 2360 psi. Calc flush: 5188 gal. Actual flush: 5208 gal.
10/27/04	4814-4890'	<b>Frac C &amp; B.5 sands as follows:</b> 69,915# 20/40 sand in 538 bbls lightning Frac 17 fluid. Treated @ avg press of 1875 psi w/avg rate of 24.8 BPM. ISIP 2265 psi. Calc flush: 4812 gal. Actual flush: 4830 gal.
10/27/04	4678-4739'	<b>Frac D2 &amp; D3 sands as follows:</b> 89,456# 20/40 sand in 633 bbls Lightning Frac 17 fluid. Treated @ avg press of 1940 psi w/avg rate of 24.8 BPM. ISIP 2420 psi. Calc flush: 4676 gal. Actual flush: 4578 gal.



#### PERFORATION RECORD

10/25/04	5471-5488'	4 JSPF 68holes
10/25/04	5630-5643'	4 JSPF 52holes
10/27/04	4678-4694'	4 JSPF 64holes
10/27/04	4733-4739'	4 JSPF 24holes
10/27/04	4814-4823'	4 JSPF 36holes
10/27/04	4879-4890'	4 JSPF 44holes
10/27/04	5190-5196'	4 JSPF 24holes

**NEWFIELD**

Ashley Federal 5-14-9-15  
 2033' FNL & 676' FWL  
 SW/NW Section 14-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32465; Lease #UTU-66184

# ASHLEY FEDERAL 6-14-9-15

Spud Date: 9-10-2004  
 Put on Production: 10/26/04  
 GL: 6185' KB: 6197'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (325.28')  
 DEPTH LANDED: 335.28' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150sxs Class "G" mixed cmt, est 3 bbls cmt to surf.  
 Cement Top @ 136'

**PRODUCTION CASING**

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6063.23')  
 DEPTH LANDED: 6061.23' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 285 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 136'

**TUBING**

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 160 jts (5186.52')  
 TUBING ANCHOR: 5198.52' KB  
 NO. OF JOINTS: 2 jts (67.77')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5266.29' KB  
 NO. OF JOINTS: 2 jts (67.43')  
 TOTAL STRING LENGTH: EOT @ 5332.62' w/ 12' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2', 1-6', 8' x 3/4" pony rod, 100-3/4" scraped rods; 94-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-3/4" x 12' x 15' RHAC pump w/ SM Plunger  
 STROKE LENGTH: 82"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL

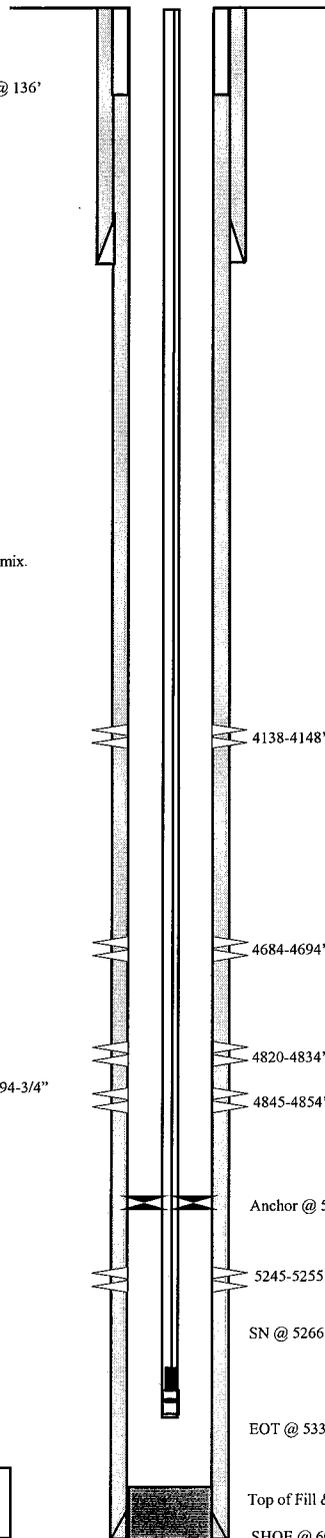
**FRAC JOB**

10/20/04 5245-5255' **Frac LODC sands as follows:**  
 19,359#'s 20/40 sand in 252 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 2155 psi  
 w/avg rate of 14.7 BPM. Calc. flush: 5243 gal.  
 Actual flush: 5242 gal.

10/20/04 4820-4854' **Frac C sands as follows:**  
 89,941# 20/40 sand in 654 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 1880 psi  
 w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc  
 flush: 4818 gal. Actual flush: 4859 gal.

10/20/04 4684-4694' **Frac D1 sands as follows:**  
 84,571# 20/40 sand in 621 bbls lightning  
 Frac 17 fluid. Treated @ avg press of 1790 psi  
 w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc  
 flush: 4682 gal. Actual flush: 4683 gal.

10/21/04 4138-4148' **Frac GB4 sands as follows:**  
 26,527# 20/40 sand in 259 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 1580 psi  
 w/avg rate of 14.6 BPM. ISIP 2250 psi. Calc  
 flush: 4136 gal. Actual flush: 4053 gal.



**PERFORATION RECORD**

Date	Interval	Perforations
10/18/04	5245-5255'	4 JSPF 40holes
10/20/04	4845-4854'	4 JSPF 36holes
10/20/04	4820-4834'	4 JSPF 56holes
10/20/04	4684-4694'	4 JSPF 40holes
10/20/04	4138-4148'	4 JSPF 40holes

**NEWFIELD**

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**Ashley Federal 6-14-9-15**  
 1830' FNL & 2081' FWL  
 SE/NW Section 14-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32466; Lease #UTU-66184

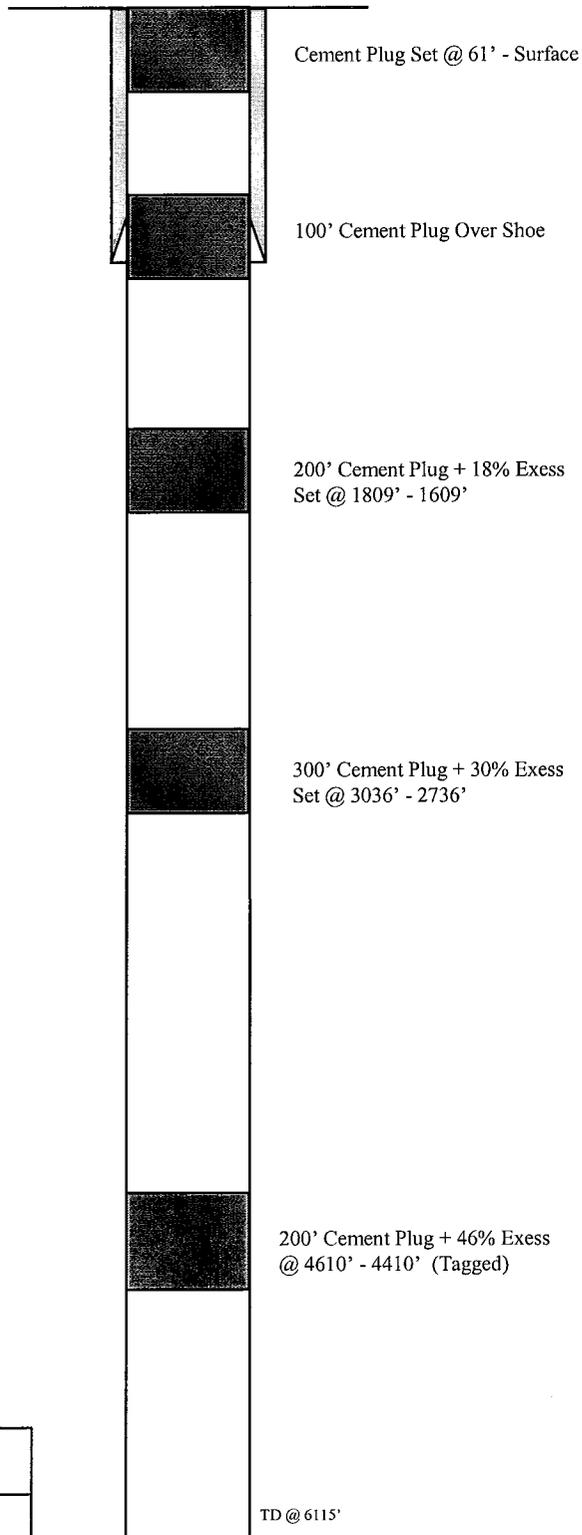
# Ashley Federal #7-14-9-15

Spud Date: 12/21/94  
 P&A'd: 1/3/95  
 GL: 6217' KB: 6232'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: N/A  
 WEIGHT: 24#  
 LENGTH: N/A  
 DEPTH LANDED: 333.92'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 235 sxs Class "G" cmt w/2% CaCl

P&A Wellbore  
 Diagram



LOGS: Dual Induction - SFL  
 Compensated Neutron-Formation Density

	<b>Inland Resources Inc.</b>
	<b>Ashley Federal #7-14</b> 1989 FNL 2048 FEL SWNE Section 14-T9S-R15E Duchesne Co, Utah API #43-013-31479; Lease #U-66184

# Ashley Federal #11-14-9-15

Spud Date: 9/22/04  
 Put on Production: 11/16/04  
 GL: 6213' KB: 6225'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (296.04')  
 DEPTH LANDED: 306.04' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 150sxs Class "G" mixed cmt, est 1 bbls cmt to surf.

Cement Top @ 357'

### PRODUCTION CASING

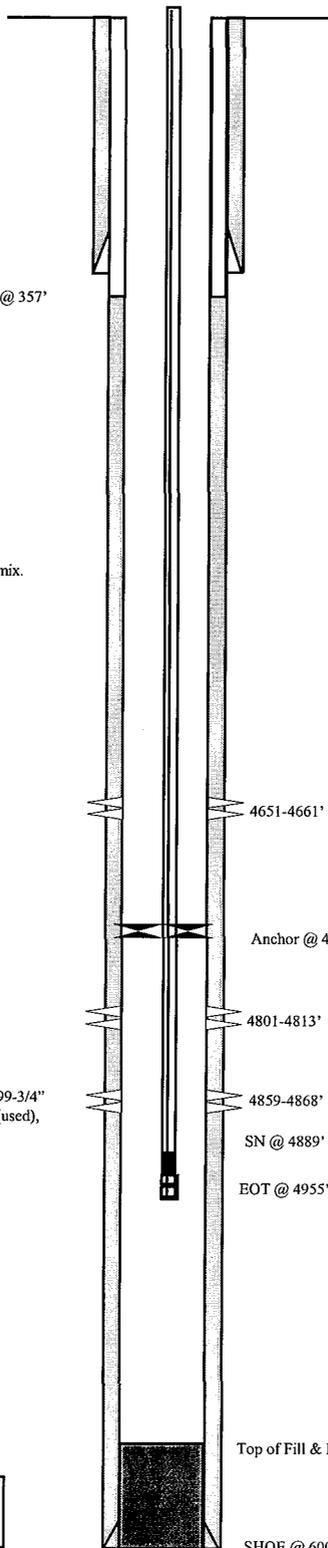
CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6006.7')  
 DEPTH LANDED: 6004.7' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 285 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mix.  
 CEMENT TOP AT: 357'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 147 jts (4776.38')  
 TUBING ANCHOR: 4788.38' KB  
 NO. OF JOINTS: 3 jts (97.60')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4888.78' KB  
 NO. OF JOINTS: 2 jts (65.10')  
 TOTAL STRING LENGTH: EOT @ 4955.43' w/ 12' KB

### SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2' x 3/4" pony rods (used), 1-3/4" plain rod (used), 99-3/4" scraped rods (used), 79-3/4" plain rods (used), 10-3/4" scraped rods (used), 6-1 1/2" weight rods (used).  
 PUMP SIZE: 2 1/2" x 1 1/2" x 10' x 14' RHAC pump.  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL



### FRAC JOB

11/11/04 4801-4868' **Frac C & B.5 sands as follows:**  
 59,811#s 20/40 sand in 481 bbls Lightning Frac 17 fluid. Treated @ avg press of 1775 psi w/avg rate of 25 BPM. ISIP 2150. Calc flush 4799 gal. Actual flush: 4843 gal.

11/11/04 4651-4661' **Frac D1 sands as follows:**  
 24,145# 20/40 sand in 271 bbls Lightning Frac 17 fluid. Treated @ avg press of 1975 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4649 gal. Actual flush: 4565 gal.

### PERFORATION RECORD

Date	Depth Range	Number of Holes	Completion Type
11/03/04	4859-4868'	36	4 JSPP
11/03/04	4801-4813'	48	4 JSPP
11/11/04	4651-4661'	40	4 JSPP



**NEWFIELD**

**Ashley Federal 11-14-9-15**  
 2076' FSL & 1921' FWL  
 NE/SW Section 14-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32467; Lease #UTU-66184

# Ashley Federal 1-15-9-15

Spud Date: 9/29/03  
 Put on Production: 12/3/03  
 GL: 6177' KB: 6189'

Initial Production: 73 BOPD,  
 118 MCFD, 23 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (303.61')  
 DEPTH LANDED: 313.61' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt mixed, est 5.5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6116.11')  
 DEPTH LANDED: 6114.11' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 140'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 171 jts (5525.45')  
 TUBING ANCHOR: 5537.45' KB  
 NO. OF JOINTS: 1 jts (32.29')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5572.49' KB  
 NO. OF JOINTS: 2 jts (64.56')  
 TOTAL STRING LENGTH: EOT @ 5638.55' W/12 'KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 107-3/4" plain rods, 99-3/4" scraped rods, 1-2", x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC pump w/ SM Plunger  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 6.5 SPM  
 LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

11/21/03 5562'-5570' **Frac Stray sd sands as follows:**  
 25,338# 20/40 sand in 293 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 2100 psi  
 w/avg rate of 22.4 BPM. ISIP 2280  
 psi. Calc flush: 5560 gal. Actual flush: 5560  
 gal.

11/21/03 4818'-4856' **Frac C sands as follows:**  
 50,455# 20/40 sand in 419 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 2000 psi  
 w/avg rate of 22.5 BPM. ISIP 2200 psi. Calc  
 flush: 4816 gal. Actual flush: 4851 gal.

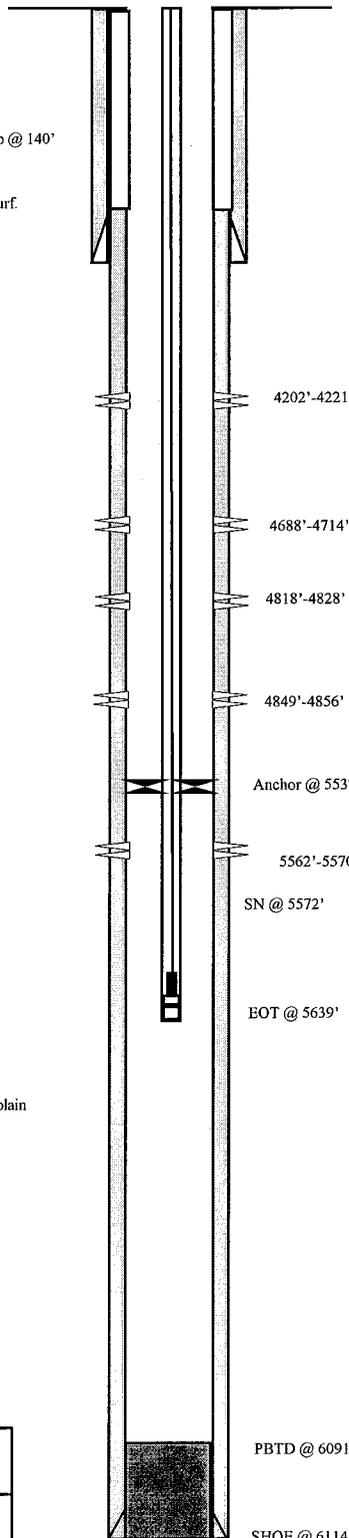
11/21/03 4688'-4714' **Frac D1 sands as follows:**  
 118,978# 20/40 sand in 812 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 1785  
 psi w/avg rate of 22.4 BPM. ISIP 2050 psi.  
 Calc flush: 4686 gal. Actual flush: 4683 gal.

11/21/03 4202'-4221' **Frac GB6 sands as follows:**  
 70,031# 20/40 sand in 517 bbls Lightning  
 Frac 17 fluid. Treated @ avg press of 2100  
 psi w/avg rate of 24.6 BPM. ISIP 2350 psi.  
 Calc flush: 4200 gal. Actual flush: 4116 gal.

**PERFORATION RECORD**

11/19/03	5562'-5570'	4 JSPF	32 holes
11/21/03	4849'-4856'	4 JSPF	28 holes
11/21/03	4818'-4828'	4 JSPF	40 holes
11/21/03	4688'-4714'	2 JSPF	52 holes
11/21/03	4202'-4221'	4 JSPF	76 holes

Cement Top @ 140'



**NEWFIELD**

**Ashley Federal 1-15-9-15**

659' FNL & 560' FEL

NE/NE Section 15-T9S-R15E

Duchesne Co, Utah

API #43-013-32402; Lease #UTU-66184

Attachment F  
Page 1 of 6

Analytical Laboratory Report for:



Chemical Services

NEWFIELD PRODUCTION COMPANY

Account Representative:  
Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: JOHNSON WATER LINE, JOHNSON STATION #2 CHARGE PUMP

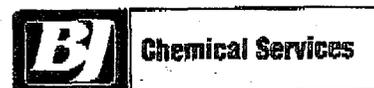
Lab Test No: 2005400163      Sample Date: 01/10/2005  
 Specific Gravity: 1.002  
 TDS: 674  
 pH: 8.20

Cations:	mg/L	as:
Calcium	80.00	(Ca <sup>++</sup> )
Magnesium	56.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	0.70	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	366	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	100	(SO <sub>4</sub> <sup>-</sup> )
Chloride	71	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

Page 2 of 6

NEWFIELD PRODUCTION COMPANY Lab Test No: 2005400163

DownHole SAT™ Scale Prediction  
@ 50 deg. F



Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	5.02	1.13
Aragonite (CaCO <sub>3</sub> )	4.41	1.09
Witherite (BaCO <sub>3</sub> )	0	-4.08
Strontianite (SrCO <sub>3</sub> )	0	-.99
Magnesite (MgCO <sub>3</sub> )	2.13	.628
Anhydrite (CaSO <sub>4</sub> )	.0183	-369.47
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.0429	-249.59
Barite (BaSO <sub>4</sub> )	0	-.024
Celestite (SrSO <sub>4</sub> )	0	-49.8
Silica (SiO <sub>2</sub> )	0	-28.21
Brucite (Mg(OH) <sub>2</sub> )	< 0.001	-.737
Magnesium silicate	0	-60.59
Siderite (FeCO <sub>3</sub> )	11.14	.0732
Halite (NaCl)	< 0.001	-136816
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	< 0.001	-35132
Iron sulfide (FeS)	0	-.0163

**Interpretation of DHSat Results:**

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

<b>Analytical Laboratory Report for:</b>		<b>Chemical Services</b>
		<b>Account Representative:</b> Arnold, Joe
<b>NEWFIELD PRODUCTION COMPANY</b>		

### Production Water Analysis

Listed below please find water analysis report from: Run A, ASHLEY 3-14 TREATER

Lab Test No: 2005400637      Sample Date: 01/27/2005  
 Specific Gravity: 1.014  
 TDS: 20467  
 pH: 9.40

<b>Cations:</b>	<b>mg/L</b>	<b>as:</b>
Calcium	40.00	(Ca <sup>++</sup> )
Magnesium	24.00	(Mg <sup>++</sup> )
Sodium	7751	(Na <sup>+</sup> )
Iron	2.00	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
<b>Anions:</b>	<b>mg/L</b>	<b>as:</b>
Bicarbonate	1220	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	130	(SO <sub>4</sub> <sup>-2</sup> )
Chloride	11300	(Cl <sup>-</sup> )
<b>Gases:</b>		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	1	(H <sub>2</sub> S)

Page 4 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2005400637

DownHole SAT™ Scale Prediction  
@ 140 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	25.73	24.89
Aragonite (CaCO <sub>3</sub> )	21.27	24.45
Witherite (BaCO <sub>3</sub> )	0	-2.27
Strontianite (SrCO <sub>3</sub> )	0	-.615
Magnesite (MgCO <sub>3</sub> )	20.79	19.35
Anhydrite (CaSO <sub>4</sub> )	.00417	-640.46
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.00326	-827.52
Barite (BaSO <sub>4</sub> )	0	-.727
Celestite (SrSO <sub>4</sub> )	0	-142.72
Silica (SiO <sub>2</sub> )	0	-89.32
Brucite (Mg(OH) <sub>2</sub> )	2.04	1.12
Magnesium silicate	0	-135.46
Siderite (FeCO <sub>3</sub> )	307.49	.108
Halite (NaCl)	.00107	-193954
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	< 0.001	-57575
Iron sulfide (FeS)	46.51	.082

**Interpretation of DHSat Results:**

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

DownHole SAT(tm)  
MIXED WATER DEPOSITION POTENTIAL INDICATORS

*Page 5 of 6*

1) Johnson Water

2) Ashley 3-14

Report Date: 02-16-2005

## SATURATION LEVEL

Calcite (CaCO3)	135.85
Aragonite (CaCO3)	112.93
Witherite (BaCO3)	0.00
Strontianite (SrCO3)	0.00
Magnesite (MgCO3)	116.76
Anhydrite (CaSO4)	0.0170
Gypsum (CaSO4*2H2O)	0.0148
Barite (BaSO4)	0.00
Magnesium silicate	0.00
Iron hydroxide (Fe(OH)3)	0.00584
Iron sulfide (FeS)	40.25

## MOMENTARY EXCESS (Lbs/1000 Barrels)

Calcite (CaCO3)	49.32
Aragonite (CaCO3)	49.17
Witherite (BaCO3)	-1.33
Strontianite (SrCO3)	-0.327
Magnesite (MgCO3)	41.53
Anhydrite (CaSO4)	-490.77
Gypsum (CaSO4*2H2O)	-597.74
Barite (BaSO4)	-0.444
Magnesium silicate	-119.82
Iron hydroxide (Fe(OH)3)	< 0.001
Iron sulfide (FeS)	0.0925

## SIMPLE INDICES

Langelier	2.99
Stiff Davis Index	3.10

## BOUND IONS

	TOTAL	FREE
Calcium	150.00	105.84
Barium	0.00	0.00
Carbonate	508.12	86.23
Phosphate	0.00	0.00
Sulfate	115.00	90.47

## OPERATING CONDITIONS

Temperature (°F)	130.00
Time(mins)	3.00

BJ Chemical Services  
Roosevelt, Utah

DownHole SAT(tm)  
MIXED WATER CHEMISTRY

1) Johnson Water

2) Ashley 3-14

Report Date: 02-16-2005

CATIONS

Calcium (as Ca)	150.00
Magnesium (as Mg)	107.00
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	3876
Iron (as Fe)	1.20
Manganese (as Mn)	0.00

ANIONS

Chloride (as Cl)	5900
Sulfate (as SO4)	115.00
Dissolved CO2 (as CO2)	5.47
Bicarbonate (as HCO3)	248.70
Carbonate (as CO3)	508.12
H2S (as H2S)	0.500

PARAMETERS

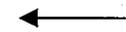
pH	9.34
Temperature (°F)	130.00
Density(g/mL)	1.00
Pressure(atm)	1.00
Calculated T.D.S.	10918
Molar Conductivity	14860

BJ Chemical Services  
Roosevelt, Utah

**Attachment "G"**

**Ashley Federal #3-14-9-15  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4139	4193	4166	2220	0.97	2211
4705	4729	4717	2750	1.02	2740
4846	4877	4862	2260	0.90	2250
4932	4981	4957	1990	0.84	1979
5243	5279	5261	2570	0.92	2559
5423	5434	5429	2440	0.88	2428
5539	5594	5567	2530	0.89	2518
5673	5683	5678	1806	0.75	1794
5958	6006	5982	2150	0.79	2137
				<b>Minimum</b>	<u><u>1794</u></u>



Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 * 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

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

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



Attachment G-1  
page 1 of 9

DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 5, 2003 Completion Day: 02  
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBTD: 6100' W.L.  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5958-5964'	4/24			
BS	6000-6006'	4/24			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: SICP: 268

Day 2(a)

NU BJ Services "Ram Head" flange. RU BJ & frac stage #1, BS & CP5 sds (5958-6006') w/ 39,215#'s 20/40 sand in 401 bbls Lightning 17 frac fluid. Perfs broke down @ 3880 psi back to 2200 psi. Treated @ ave press of 2080 psi w/ ave rate of 24.4 bpm w/ up to 8 ppg snd. ISIP was 2150 psi. Leave pressure on well. 547 bbls EWTR.

See day2(b).

Starting fluid load to be recovered: 146 Starting oil rec to date: 0  
Fluid lost/recovered today: 401 Oil lost/recovered today:  
Ending fluid to be recovered: 547 Cum oil recovered: 0  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac  
Company: BJ Services  
Procedure or Equipment detail: BS & CP5 sds down csg

COSTS

Weatherford BOP	\$25
BJ Services BS & CP5	\$16,480
Weatherford services	\$550
Betts frac wtr	\$390
Zubiat Hot Oil	\$300
R&R propane	\$150
IPC Supervision	\$100

3192 gals of pad  
2500 gals w/ 1-3 ppg of 20/40 sand  
5195 gals w/ 3-6.5 ppg of 20/40 sand  
Flush w/ 5955 gals of slick water

Max TP: 3880 Max Rate: 24.9 Total fluid pmpd: 401 bbls  
Avg TP: 2080 Avg Rate: 24.4 Total Prop pmpd: 39,215#'s  
ISIP: 2150 5 min: 10 min: FG: .79  
Completion Supervisor: Ron Shuck

DAILY COST: \$17,995  
TOTAL WELL COST: \$234,990



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 5, 2003 Completion Day: 02
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBTD: 6100' W.L.
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5753/6100'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes entries for CP2 sds (5673-5683'), CP5 sds (5958-5964'), and BS sds (6000-6006').

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: SICP: 1610

Day 2(b)

RU Patterson WLT, mast & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 10' perf gun. Set plug @ 5753'. Perf stage #2 w/ 4" ported guns as follows: CP2 sds @ 5673-5683' w/ 4 SPF for total of 40 shots in 1 run. RU BJ & frac CP2 sds w/ 34,873#'s 20/40 sand in 363 bbls Lightning 17 frac fluid. Perfs broke down @ 4250 psi back to 1260 psi. Treated @ ave press of 1811 psi w/ ave rate of 24.5 bpm w/ up to 8 ppg snd. ISIP was 1806 psi. Leave pressure on well. 910 bbls EWTR.

See day2(c).

Starting fluid load to be recovered: 547 Starting oil rec to date: 0
Fluid lost/recovered today: 363 Oil lost/recovered today:
Ending fluid to be recovered: 910 Cum oil recovered: 0
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac
Company: BJ Services
Procedure or Equipment detail: CP2 sds down csg
2814 gals of pad
2194 gals w/ 1-3 ppg of 20/40 sand
4568 gals w/ 3-6.5 ppg of 20/40 sand
Flush w/ 5670 gals of slick water

COSTS

Weatherford BOP \$25
BJ Services CP2 \$6,670
Weatherford services \$2,200
Betts frac wtr \$350
Zubiat Hot Oil \$280
R&R propane \$150
IPC Supervision \$100
Patterson WLT \$1,800

Max TP: 4250 Max Rate: 24.7 Total fluid pmpd: 363 bbls
Avg TP: 1811 Avg Rate: 24.5 Total Prop pmpd: 34,873#'s
ISIP: 1806 5 min: 10 min: FG: .75
Completion Supervisor: Ron Shuck

DAILY COST: \$11,575
TOTAL WELL COST: \$246,565



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 3-14-9-15      **Report Date:** Dec. 5, 2003      **Completion Day:** 02  
**Present Operation:** Completion      **Rig:** Rigless.

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 309'      **Prod Csg:** 5 1/2      **Wt:** 15.5# @ 6166'      **Csg PBTD:** 6100' W.L.  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 5620/6100'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	LODC sds	5539-5545'	4/24
_____	_____	_____	Stray sds	5588-5594'	4/24
_____	_____	_____	CP2 sds	5673-5683'	4/40
_____	_____	_____	CP5 sds	5958-5964'	4/24
_____	_____	_____	BS sds	6000-6006'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Dec. 5, 2003      **SITP:** \_\_\_\_\_ **SICP:** 1325

Day 2(c)

RU Patterson WLT, mast & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 6' perf gun. Set plug @ 5620'. Perf stage #3 w/ 4" ported guns as follows: Stray sds @ 5588-5594' & LODC sds @ 5539-5545' w/ 4 SPF for total of 48 shots in 2 run. RU BJ & frac Stray & LODC sds w/ 39,884#'s 20/40 sand in 387 bbls Lightning 17 frac fluid. Open well with 1325 psi on csg. Perfs broke down @ 4002 psi back to 2800 psi. Treated @ ave press of 2550 psi w/ ave rate of 25 bpm w/ up to 8 ppg snd. ISIP was 2530 psi. Leave pressure on well. 1297 bbls EWTR. See day2(d).

**Starting fluid load to be recovered:** 910      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 387      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1297      **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** Stray & LODC sds down csg  
 \_\_\_\_\_  
 3192 gals of pad  
 \_\_\_\_\_  
 2500 gals w/ 1-3 ppg of 20/40 sand  
 \_\_\_\_\_  
 5014 gals w/ 3-6.5 ppg of 20/40 sand  
 \_\_\_\_\_  
 Flush w/ 5548 gals of slick water  
 \_\_\_\_\_

**COSTS**

Weatherford BOP	\$25
BJ Services Stry&LODC	\$7,400
Weatherford services	\$2,200
Betts frac wtr	\$390
Zubiat Hot Oil	\$200
R&R propane	\$175
IPC Supervision	\$100
Patterson WLT	\$2,200

**Max TP:** 4002      **Max Rate:** 24.8      **Total fluid pmpd:** 387 bbls  
**Avg TP:** 2550      **Avg Rate:** 25      **Total Prop pmpd:** 39,884#'s  
**ISIP:** 2530      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .89  
**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$12,690  
**TOTAL WELL COST:** \$259,255



**DAILY COMPLETION REPORT**

**WELL NAME:** Ashley Federal 3-14-9-15      **Report Date:** Dec. 5, 2003      **Completion Day:** 02  
**Present Operation:** Completion      **Rig:** Rigless

**WELL STATUS**

**Surf Csg:** 8 5/8 @ 309'      **Prod Csg:** 5 1/2      **Wt:** 15.5# @ 6166'      **Csg PBDT:** 6100' W.L.  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBDT:** 5484/6100'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5423-5434'	4/44
			LODC sds	5539-5545'	4/24
			Stray sds	5588-5594'	4/24
			CP2 sds	5673-5683'	4/40
			CP5 sds	5958-5964'	4/24
			BS sds	6000-6006'	4/24

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** Dec. 5, 2003      **SITP:** \_\_\_\_\_ **SICP:** 1580

Day 2(d)

RU Patterson WLT, mast & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 11' perf gun. Set plug @ 5484'. Perf stage #4 w/ 4" ported guns as follows: LODC sds @ 5423-5434' w/ 4 SPF for total of 44 shots in 1 run. RU BJ & frac LODC sds w/ 64,425#'s 20/40 sand in 520 bbls Lightning 17 frac fluid. Open well with 1580 psi on csg. Perfs broke down @ 3482 psi back to 2723 psi. Treated @ ave press of 2684 psi w/ ave rate of 24.2 bpm w/ 8 ppg snd. ISIP was 2440 psi. Leave pressure on well. 1817 bbls EWTR.

See day2(e).

**Starting fluid load to be recovered:** 1297      **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 520      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1817      **Cum oil recovered:** 0  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**STIMULATION DETAIL**

**Base Fluid used:** Lightning      **Job Type:** Sand frac  
**Company:** BJ Services

**Procedure or Equipment detail:** LODC sds down csg

- 4998 gals of pad
- 3319 gals w/ 1-3 ppg of 20/40 sand
- 6622 gals w/ 3-6.5 ppg of 20/40 sand
- 1483 gals w 8 ppg of 20/40 sand
- Flush w/ 5418 gals of slick water

**COSTS**

Weatherford BOP	\$25
BJ Services LODC	\$11,066
Weatherford services	\$2,200
Betts frac wtr	\$516
Zubiat Hot Oil	\$350
R&R propane	\$275
IPC Supervision	\$100
Patterson WLT	\$2,200

**Max TP:** 3482      **Max Rate:** 24.4      **Total fluid pmpd:** 520 bbls  
**Avg TP:** 2684      **Avg Rate:** 24.2      **Total Prop pmpd:** 64,425#'s  
**ISIP:** 2440      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .88  
**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$16,732  
**TOTAL WELL COST:** \$275,987



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 5, 2003 Completion Day: 02
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBD: 6100' W.L.
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBD: 5330/6100'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Lists perforation zones and depths such as LODC sds, Stray sds, CP2 sds, CP5 sds, BS sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: SICIP: 1870

Day 2(e)

RU Patterson WLT, mast & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 8' perf gun. Set plug @ 5484'. Perf stage #5 w/ 4" ported guns as follows: LODC sds @ 5268-5279' & 5243-5259' w/ 2 SPF for total of 54 shots in 2 run. RU BJ & frac LODC sds w/ 60,000#'s 20/40 sand in 484 bbls Lightning 17 frac fluid. Open well with 1870 psi on csg. Perfs broke down @ 3390 psi back to 2800 psi. Treated @ ave press of 2630 psi w/ ave rate of 24.4 bpm w/ 8 ppg snd. ISIP was 2570 psi. Leave pressure on well. 2271 bbls EWTR.

See day2(f).

Starting fluid load to be recovered: 1817 Starting oil rec to date: 0
Fluid lost/recovered today: 484 Oil lost/recovered today:
Ending fluid to be recovered: 2217 Cum oil recovered: 0
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac
Company: BJ Services
Procedure or Equipment detail: LODC sds down csg
4620 gals of pad
3000 gals w/ 1-3 ppg of 20/40 sand
6000 gals w/ 3-6.5 ppg of 20/40 sand
1458 gals w 8 ppg of 20/40 sand
Flush w/ 5250 gals of slick water

COSTS

Weatherford BOP \$25
BJ Services LODC \$18,900
Weatherford services \$2,200
Betts frac wtr \$480
Zubiat Hot Oil \$275
R&R propane \$205
IPC Supervision \$100
Patterson WLT \$2,200

Max TP: 3390 Max Rate: 24.7 Total fluid pmpd: 484
Avg TP: 2630 Avg Rate: 24.4 Total Prop pmpd: 60,000#'s
ISIP: 2570 5 min: 10 min: FG: .92
Completion Supervisor: Ron Shuck

DAILY COST: \$24,385
TOTAL WELL COST: \$300,372



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 5, 2003 Completion Day: 02  
 Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBTD: 6100' W.L.  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4900/6100'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5243-5259'	2/32
			LODC sds	5268-5279'	2/22
			LODC sds	5423-5434'	4/44
			LODC sds	5539-5545'	4/24
C sds	4846-4864'	2/36	Stray sds	5588-5594'	4/24
C sds	4870-4877'	2/14	CP2 sds	5673-5683'	4/40
B.5 sds	4932-4941'	4/36	CP5 sds	5958-5964'	4/24
B1 sds	4977-4981'	4/16	BS sds	6000-6006'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: \_\_\_\_\_ SICP: 1770

Day 2(f)

RU Patterson WLT, mast & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 4' perf gun. Set plug @ 5027'. Perf stage #6 w/ 4" ported guns as follows: B1 sds @ 4977-4981' & B.5 sds @ 4932-4941' w/ 4 SPF for total of 52 shots in 2 run. Port plug got wedged in csg collar (had to work loose). RU BJ & frac B1 & B.5 sds w/ 60,000#'s 20/40 sand in 474 bbls Lightning 17 frac fluid. Open well with 1770 psi on csg. Perfs broke down @ 4074 psi back to 1700 psi. Treated @ ave press of 1970 psi w/ ave rate of 24.6 bpm w/ 8 ppg snd. ISIP was 1990 psi. Leave pressure on well. 2691 bbls EWTR. RU WLT. RIH w/ 5-1/2" composite plug & 7' port gun. Set plug @ 4900' for stage #7. Come up & shot C sds @ 4870-4877' & 4846-4864' w/ 4" port gun w/ 2 spf for total of 50 shots in 2 runs. SIFN.

Starting fluid load to be recovered: 2217 Starting oil rec to date: 0  
 Fluid lost/recovered today: 474 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 2691 Cum oil recovered: 0  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: C sds down csg  
 \_\_\_\_\_  
 4620 gals of pad  
 3000 gals w/ 1-3 ppg of 20/40 sand  
 6000 gals w/ 3-6.5 ppg of 20/40 sand  
 1374 gals w 8 ppg of 20/40 sand  
 Flush w/ 4914 gals of slick water

COSTS

Weatherford BOP	\$25
BJ Services C sds	\$11,560
Weatherford services	\$4,400
Betts frac wtr	\$480
Zubiat Hot Oil	\$275
R&R propane	\$205
IPC Supervision	\$100
Patterson WLT	\$4,500

Max TP: 4074 Max Rate: 24.9 Total fluid pmpd: 474  
 Avg TP: 1970 Avg Rate: 24.6 Total Prop pmpd: 60,000#'s  
 ISIP: 1990 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83  
 Completion Supervisor: Ron Shuck

DAILY COST: \$21,545  
 TOTAL WELL COST: \$321,917



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 6, 2003 Completion Day: 03
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBTD: 6100' W.L.
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4900/6100'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Lists perforation data for various zones like LODC sds, Stray sds, CP2 sds, CP5 sds, BS sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: SICIP: 820

Day3(a)

RU BJ Services & frac stage #7, C sds @ 4846-4877' w/ 90,000#'s 20/40 sand in 655 bbls lightning frac 17 fluid. Open well w/ 820 psi on csg. Perfs broke down @ 3535 psi back to 2100 psi. Treated @ ave 2370 psi @ ave rate of 24.5 bpm w/ 8 ppg sand. ISIP was 2260 psi. Left pressure on well. 3346 bbls EWTR.

See day3(b)

Starting fluid load to be recovered: 2691 Starting oil rec to date: 0
Fluid lost/recovered today: 655 Oil lost/recovered today:
Ending fluid to be recovered: 3346 Cum oil recovered: 0
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac
Company: BJ Services
Procedure or Equipment detail: C snds down csg
6804 gals of pad
4625 gals w/ 1-3 ppg of 20/40 sand
9250 gals w/ 3-6.5 ppg of 20/40 sand
2001 gals w 8 ppg of 20/40 sand
Flush w/ 4830 gals of slick water

COSTS

Table with 2 columns: Item, Cost. Lists costs for Weatherford BOP, BJ Services C sds, Weatherford services, Betts frac wtr, Zubiat Hot Oil, R&R propane, IPC Supervision, Patterson WLT.

Max TP: 3535 Max Rate: 24.7 Total fluid pmpd: 655 bbls
Avg TP: 2370 Avg Rate: 24.5 Total Prop pmpd: 90,000#'s
ISIP: 2260 5 min: 10 min: FG: .90
Completion Supervisor: Ron Shuck

DAILY COST: \$16,740
TOTAL WELL COST: \$338,657



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 6, 2003 Completion Day: 03  
 Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBTD: 6100' W.L.  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4756/6100'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5243-5259'	2/32
			LODC sds	5268-5279'	2/22
D1 sds	4705-4721'	2/32	LODC sds	5423-5434'	4/44
D1 sds	4725-4729'	2/8	LODC sds	5539-5545'	4/24
C sds	4846-4864'	2/36	Stray sds	5588-5594'	4/24
C sds	4870-4877'	2/14	CP2 sds	5673-5683'	4/40
B.5 sds	4932-4941'	4/36	CP5 sds	5958-5964'	4/24
B1 sds	4977-4981'	4/16	BS sds	6000-6006'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: \_\_\_\_\_ SICP: 1350

Day3(b).

RU Patterson WLT. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 4' ported perf gun. Set plug @ 4756'. Come up & perforate stage #8, D1 sds @ 4725-4729' & 4705-4721' w/ 4" ported guns w/ 2 spf for a total of 40 shots in 2 runs. RU BJ Services & frac D1 sds w/ 100,000#'s 20/40 sand in 710 bbls lightning frac 17 fluid. Open well w/ 1350 psi on csg. Perfs broke down @ 4325 psi back to 3000 psi. Treated @ ave 2926 psi @ ave rate of 27.4 bpm w/ 8 ppg sand. ISIP was 2750 psi. Left pressure on well. 3401 bbls EWTR.

See day3(c)

Starting fluid load to be recovered: 2691 Starting oil rec to date: 0  
 Fluid lost/recovered today: 710 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 3401 Cum oil recovered: 0  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: D1 sds down csg  
 \_\_\_\_\_  
 6258 gals of pad  
 5000 gals w/ 1-3 ppg of 20/40 sand  
 10,000 gals w/ 3-6.5 ppg of 20/40 sand  
 3858 gals w 8 ppg of 20/40 sand  
 Flush w/ 4704 gals of slick water

COSTS

Weatherford BOP	\$50
BJ Services D1 sds	\$16,990
Weatherford services	\$2,200
Betts frac wtr	\$480
Zubiat Hot Oil	\$645
R&R propane	\$550
IPC Supervision	\$100
Patterson WLT	\$2,200

Max TP: 3295 Max Rate: 29.4 Total fluid pmpd: 710  
 Avg TP: 2926 Avg Rate: 27.4 Total Prop pmpd: 100,000#'s  
 ISIP: 2750 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: 1.02  
 Completion Supervisor: Ron Shuck

DAILY COST: \$23,215  
 TOTAL WELL COST: \$361,872



DAILY COMPLETION REPORT

WELL NAME: Ashley Federal 3-14-9-15 Report Date: Dec. 6, 2003 Completion Day: 03
Present Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 309' Prod Csg: 5 1/2 Wt: 15.5# @ 6166' Csg PBDT: 6100' W.L.
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT: 4266/6100'
Plugs 4756' 4900' 5027' 5330' 5484' 5620' 5753'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Lists perforation details for GB2 sds, GB4 sds, D1 sds, C sds, B.5 sds, and B1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2003 SITP: SICP: 1350

Day3(c).

RU Patterson WLT. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 10' ported perf gun. Set plug @ 4266'. Come up & perforate stage #9, GB4 sds @ 4180-4193' & GB2 sds @ 4139-4155' w/ 4" ported guns w/ 2 spf for a total of 58 shots in 2 runs. RU BJ Services & frac GB sds w/ 80,620#'s 20/40 sand in 570 bbls lightning frac 17 fluid. Open well w/ 1350 psi on csg. Perfs broke down @ 3570 psi back to 2188 psi. Treated @ ave 2150 psi @ ave rate of 24.6 bpm w/ 8 ppg sand. ISIP was 2220 psi. 3971 bbls EWTR. Begin immediate flow back on 12/64 choke @ 1950 psi.

Starting fluid load to be recovered: 3401 Starting oil rec to date: 0
Fluid lost/recovered today: 570 Oil lost/recovered today:
Ending fluid to be recovered: 3971 Cum oil recovered: 0
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: GB snds down csg

- 6006 gals of pad
4000 gals w/ 1-3 ppg of 20/40 sand
6000 gals w/ 3-6.5 ppg of 20/40 sand
1902 gals w 8 ppg of 20/40 sand
Flush w/ 4032 gals of slick water

COSTS

Table with 2 columns: Item, Cost. Lists costs for Weatherford BOP, BJ Services GB sds, Weatherford services, Betts frac wtr, Zubiat Hot Oil, R&R propane, IPC Supervision, Patterson WLT.

Max TP: 3570 Max Rate: 24.9 Total fluid pmpd: 570 bbls
Avg TP: 2150 Avg Rate: 24.6 Total Prop pmpd: 80,620#'s
ISIP: 2220 5 min: 10 min: FG: .97
Completion Supervisor: Ron Shuck

IPC Flowback hand \$150
DAILY COST: \$20,100
TOTAL WELL COST: \$381,972

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4044'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class G cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #3 Pump 42 sx Class G cement down 5-1/2" casing to 360'.

The approximate cost to plug and abandon this well is \$33,025.

NEWFIELD



UIC-3204

March 7, 2005

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

RE: Permit Application for Water Injection Well  
Ashley Federal #3-14-9-15  
Monument Butte Field, Ashley Unit, Lease #UTU-66184  
Section 14 -Township 9S-Range 15E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Ashley Federal #3-14-9-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Ashley Unit.

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 cursive script that reads "David Gerbig".

David Gerbig  
Operations Engineer

RECEIVED  
MAR 21 2005  
DIV. OF OIL, GAS & MINING

# Ashley Federal 3-14-9-15

Spud Date: 10/24/03  
Put on Production: 12/12/03  
GL 6200' KB: 6212'

Initial Production: 132 BOPD,  
128 MCFD, 20 BWPD

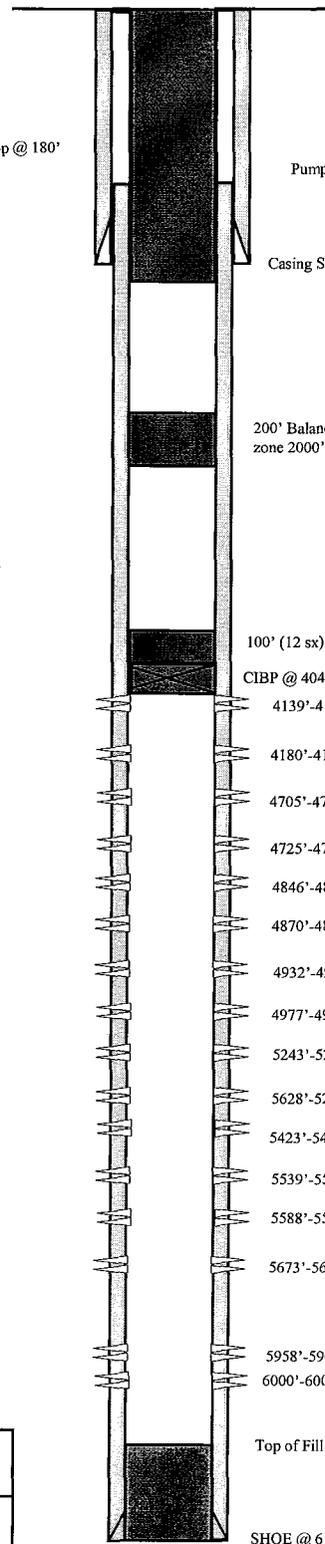
## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299.77')  
DEPTH LANDED: 309.77' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (6167.94')  
DEPTH LANDED: 6165.94' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 180'



Pump 42 sx Class G Cement down 5-1/2" casing to 360'

Casing Shoe @ 310'

200' Balanced Plug (25 sx) Class G Cement over water zone 2000' - 2200'

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

CIBP @ 4044'

4139'-4155'

4180'-4193'

4705'-4721'

4725'-4729'

4846'-4864'

4870'-4877'

4932'-4941'

4977'-4981'

5243'-5259'

5628'-5279'

5423'-5434'

5539'-5545'

5588'-5594'

5673'-5683'

5958'-5964'

6000'-6006'

Top of Fill & PBTD @ 6140'

SHOE @ 6166'

TD @ 6175'

### PERFORATION RECORD

12/2/03	6000'-6006'	4 JSPF	24 holes
12/2/03	5958'-5964'	4 JSPF	24 holes
12/5/03	5673'-5683'	4 JSPF	40 holes
12/5/03	5588'-5594'	4 JSPF	24 holes
12/5/03	5539'-5545'	4 JSPF	24 holes
12/5/03	5423'-5434'	4 JSPF	44 holes
12/5/03	5268'-5279'	2 JSPF	22 holes
12/5/03	5243'-5259'	2 JSPF	32 holes
12/5/03	4977'-4981'	4 JSPF	16 holes
12/5/03	4932'-4941'	4 JSPF	36 holes
12/5/03	4870'-4877'	2 JSPF	14 holes
12/5/03	4846'-4864'	2 JSPF	36 holes
12/5/03	4725'-4729'	2 JSPF	8 holes
12/5/03	4705'-4721'	2 JSPF	32 holes
12/5/03	4180'-4193'	2 JSPF	26 holes
12/5/03	4139'-4155'	2 JSPF	32 holes

**NEWFIELD**

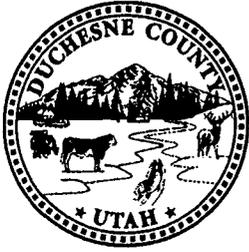
**Ashley Federal 3-14-9-15**

587' FNL & 1940' FWL

NENW Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32397; Lease #UTU-66184



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

April 21, 2005

Mr. John Baza, Associate Director  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Newfield Exploration Company Injection Wells (Cause No UIC-320)

Dear Mr. Baza:

We are in receipt of your notice regarding Newfield Exploration Company's request to convert five wells, located in Sections 2 and 14, Township 9 South, Range 15 East, Duchesne County, to Class II injection wells.

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

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

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

MAH/mah

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APR 22 2005

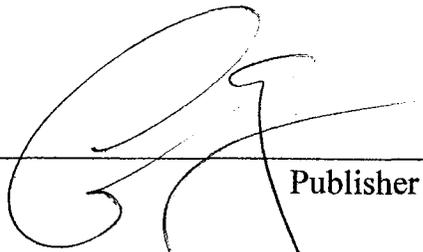
DIV. OF OIL, GAS & MINING

AFFIDAVIT OF PUBLICATION

COPY

County of Duchesne,  
STATE OF UTAH

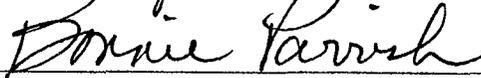
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 26 day of April, 2005, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of April, 2005.



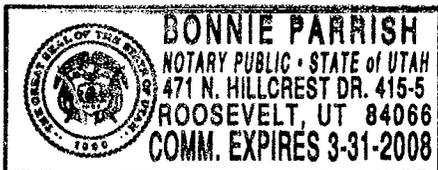
Publisher

Subscribed and sworn to before me this

28 day of April, 2005



Notary Public



NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC 320

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

IN THE MATTER OF THE APPLICATION OF Newfield Exploration Company FOR ADMINISTRATIVE APPROVAL OF THE Ashley State 13-2-9-15, Ashley State 11-2-9-15, Ashley Federal 11-14-9-15, Ashley Federal 3-14-9-15, and the Ashley Federal 1-14-9-15 [REDACTED] LOCATED IN SECTIONS 2 and 14, TOWNSHIP 9 South, RANGE 15 East, Duchesne COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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 Exploration Company for administrative approval of the Ashley State 13-2-9-15, Ashley State 11-2-9-15, Ashley Federal 11-14-9-15, Ashley Federal 3-14-9-15, and the Ashley Federal 1-14-9-15 wells, located in Sections 2 and 14, Township 9 South, Range 15 East, Duchesne County, Utah, for conversion to Class II injection wells. The adjudicative proceeding will be conducted informally according to Utah Administrative Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Newfield Exploration Company.

Any person desiring to object to the proposed application or the notice...

# Newspaper Agency Corporation

143 SOUTH MAIN ST.

P.O. BOX 45838

SALT LAKE CITY, UTAH 84145

FED. TAX I.D. # 87-0217663

The Salt Lake Tribune

DESERET  
Morning News

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	D5385340L-07	04/23/05

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8202RE4X1
SCHEDULE	
START 04/23/05 END 04/23/05	
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
58 LINES 2.00 COLUMN	
TIMES	RATE
1	1.25
MISC. CHARGES	AD CHARGES
.00	150.00
TOTAL COST 8202RE4X	
150.00	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO: UIC 320

IN THE MATTER OF THE APPLICATION OF NEWFIELD EXPLORATION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE ASHLEY STATE 13-2-9-15, ASHLEY STATE 11-2-9-15, ASHLEY FEDERAL 11-14-9-15, ASHLEY FEDERAL 3-14-9-15, AND THE ASHLEY FEDERAL 1-14-9-15 WELLS LOCATED IN SECTIONS 2 AND 14, TOWNSHIP 9 SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL

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 Exploration Company for administrative approval of the Ashley State 13-2-9-15, Ashley State 11-2-9-15, Ashley Federal 11-14-9-15, Ashley Federal 3-14-9-15, and the Ashley Federal 1-14-9-15 wells, located in Sections 2 and 14, Township 9 South, Range 15 East, Duchesne County, Utah, for conversion to Class II injection wells. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Newfield Exploration Company.

Any person desiring to object to the proposed 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 this proceeding is John R. Baza, Associate Director at PO Box 145801, Salt Lake City, Utah 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 procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 19th day of April, 2005:

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ John R. Baza  
Associate Director

### AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA 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.

PUBLISHED ON START 04/23/05 END 04/23/05

SIGNATURE *[Signature]*  
DATE 04/23/05



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

COPY



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 27, 2005

Newfield Exploration Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

Re: Ashley Unit Well: Ashley Federal 3-14-9-15, Section 14, Township 9 South,  
Range 15 East, Duchesne County, Utah

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 Exploration Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

Gil Hunt  
Acting Associate Director

BGH:jc

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Co., Myton

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

**Applicant:** Newfield Production Company      **Well:** Ashley Federal 3-14-9-15

**Location:** 14/9S/15E      **API:** 43-013-32397

**Ownership Issues:** The proposed well is located on land owned by the Federal Government. The well is located in the Ashley Unit. Lands in the one-half mile radius of the well are administered by the Federal Government (BLM). The Federal Government is the mineral owner within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Ashley 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 310 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6,166 feet. A cement bond log demonstrates adequate bond in this well up to 1,700 feet. A 2 7/8 inch tubing with a packer will be set at 4,104 feet. A mechanical integrity test will be run on the well prior to injection. There are 10 producing wells in the area of review. All of the wells have evidence of adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1,200 feet. Injection shall be limited to the interval between 4,003 feet and 6,028 feet in the Green River Formation. All of these perforations will not be opened initially. Each time that new perforations are added and the packer is moved or disturbed an MIT shall be run to provide evidence of mechanical integrity. Information submitted by Newfield indicates that the fracture gradient for the 3-14-9-15 well is .75 psi/ft. which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,794 psig. The requested maximum pressure is 1,794 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Ashley Federal 3-14-9-15**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Ashley Unit August 25, 1998 . 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.

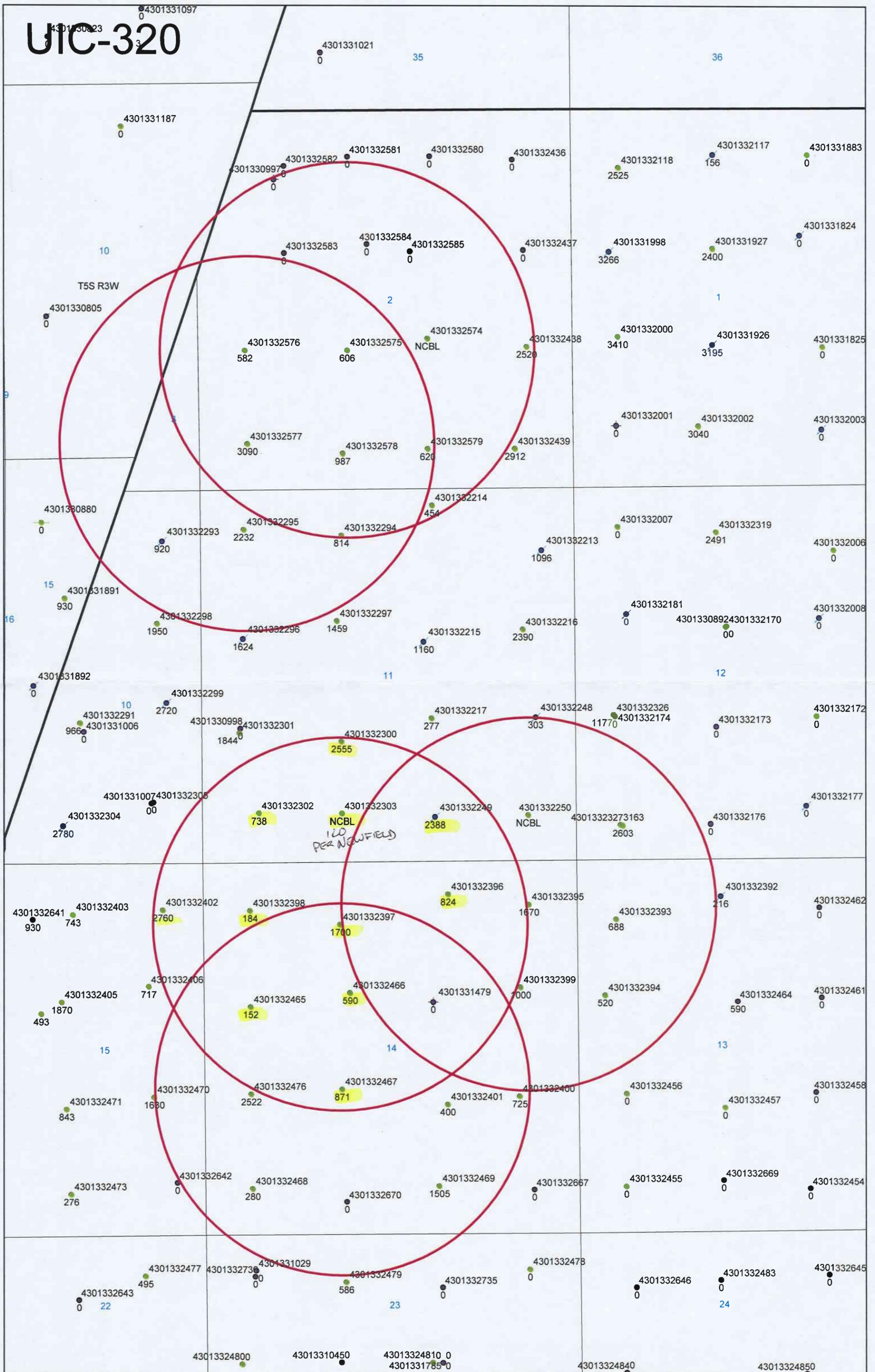
**Bonding:** Bonded with the BLM.

**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): Brad Hill Date 05/26/2005

# UIC-320





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

April 21, 2005

Mr. John Baza, Associate Director  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Newfield Exploration Company Injection Wells (Cause No UIC-320)

Dear Mr. Baza:

We are in receipt of your notice regarding Newfield Exploration Company's request to convert five wells, located in Sections 2 and 14, Township 9 South, Range 15 East, Duchesne County, to Class II injection wells.

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

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

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

MAH/mah

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RECEIVED

APR 22 2005

DIV. OF OIL, GAS & MINING

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>AF# 3-H-9-15</u>	API Number: <u>43-013-32397</u>
Qtr/Qtr: <u>NE/NW</u> Section: <u>14</u>	Township: <u>9S</u> Range: <u>15E</u>
Company Name: <u>NEWFIELD PRODUCTION CO</u>	
Lease: State <u>UT</u> Fee _____	Federal <u>UTU=66184</u> Indian _____
Inspector: <u>Dennis Ingram</u>	Date: <u>March 22, 2006</u>

Initial Conditions:

Tubing - Rate: N/A Pressure: 560 psi  
 Casing/Tubing Annulus - Pressure: 1200 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1200</u>	<u>560</u>
5	<u>1200</u>	<u>560</u>
10	<u>1200</u>	<u>560</u>
15	<u>1200</u>	<u>560</u>
20	<u>1200</u>	<u>560</u>
25	<u>1200</u>	<u>560</u>
30	<u>1200</u>	<u>560</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 560 psi

Casing/Tubing Annulus Pressure: 1200 psi

COMMENTS: Tested for conversion. Check on Barton

[Signature]  
 Operator Representative

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU66184

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, 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:  
ASHLEY PA A

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
ASHLEY FEDERAL 3-14-9-15

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332397

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 587 FNL 1940 FWL  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NW, 14, T9S, R15E

COUNTY: Duchesne  
STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/15/2006	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Injection Conversion
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The subject well was converted from a producing oil well to an injection well on 3/15/06. On 3/21/06 Dennis Ingram with the State of Utah was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 3/22/06. On 3/22/06 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 560 psig during the test. There was a State representative available to witness the test. API #43-013-32397

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk  
SIGNATURE *Callie Duncan* DATE 03/27/2006

(This space for State use only)

**MAR 29 2006**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Dennis Ingram Date 3/22/06 Time 10:30 am pm  
Test Conducted by: Matthew Berstich  
Others Present: \_\_\_\_\_

Well: Ashley Fedl. 3-14-9-15

Field: Ashley Unit UTO 73520A

Well Location: NE/NW Sec 14, T9S, R1E

API No: 43-013-72397

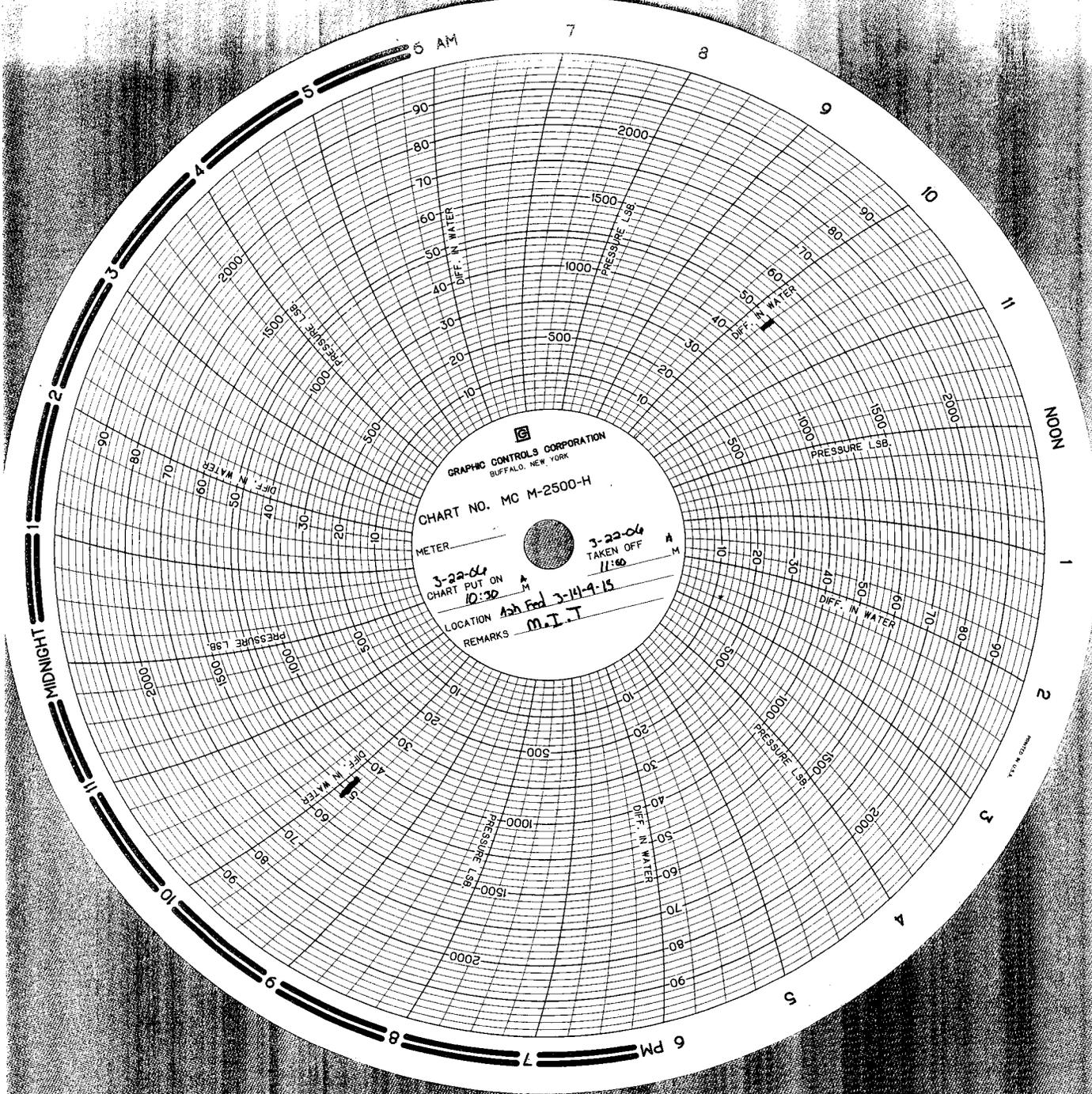
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 560 psig

Result: Pass Fail

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

Signature of Person Conducting Test: \_\_\_\_\_



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

3-22-66  
CHART PUT ON 10:30 A

3-22-66  
TAKEN OFF 11:00 A

LOCATION Ash Fed 3-14-9-15

REMARKS M.I.T

110 M. 10/11/66

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection well		5. Lease Serial No. UTU66184
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include are code) 435.646.3721	7. If Unit or C/A Agreement, Name and/or No. ASHLEY PA A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 587 FNL 1940 FWL NE/NW Section 14 T9S R15E		8. Well Name and No. ASHLEY FEDERAL 3-14-9-15
		9. API Well No. 4301332397
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne, UT

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

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

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

The above referenced well was put on injection at 3:00 p.m. on 4/4/06.

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mandie Crozier	Title Regulatory Specialist
Signature 	Date 04/06/2006

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

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

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

(Instructions on reverse)

**RECEIVED**

**APR 07 2006**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-66184

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER WI

8. WELL NAME and NUMBER:  
ASHLEY FEDERAL 3-14-9-15

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332397

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

PHONE NUMBER:  
435.646.3721

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 587 FNL 1940 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 14, T9S, R15E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>02/11/2011</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 02/07/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 02/11/2011 the casing was pressured up to 1130 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1712 psig during the test. There was not a State representative available to witness the test.

API# 43-013-32397

**COPY SENT TO OPERATOR**

Date: 3-7-2011

Initials: \_\_\_\_\_

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-24-11  
By: [Signature]

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [Signature] DATE 02/15/2011

(This space for State use only)

**RECEIVED**  
**FEB 22 2011**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 02/11/11 Time 10:00  am  pm

Test Conducted by: Dale Giles

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

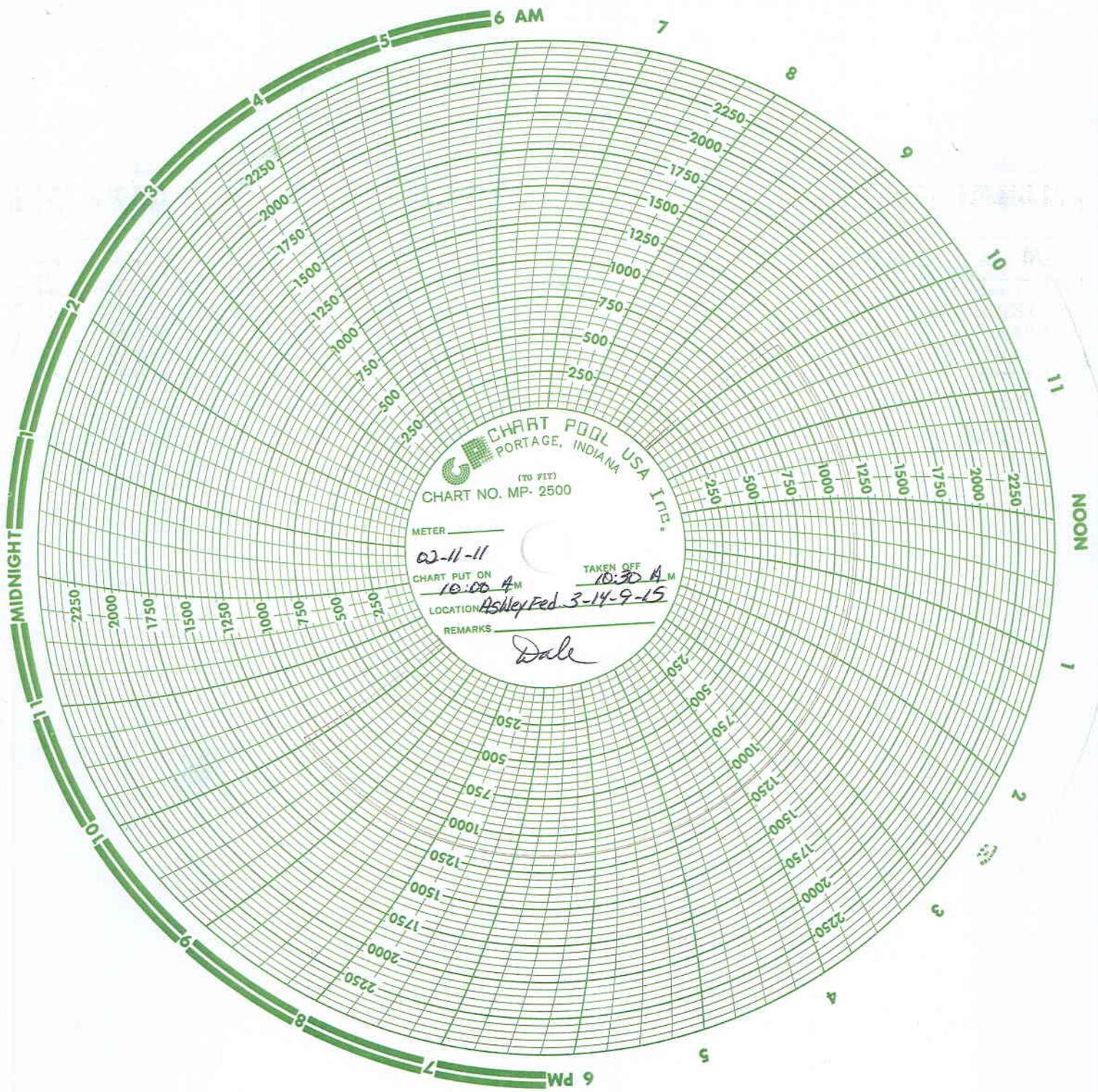
Well: <u>Ashley Federal 3-14-9-15</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NW Sec. 14, T9S, R15E</u>	API No: <u>43-013-32397</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1130</u>	psig
5	<u>1130</u>	psig
10	<u>1130</u>	psig
15	<u>1130</u>	psig
20	<u>1130</u>	psig
25	<u>1130</u>	psig
30 min	<u>1130</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1712 psig

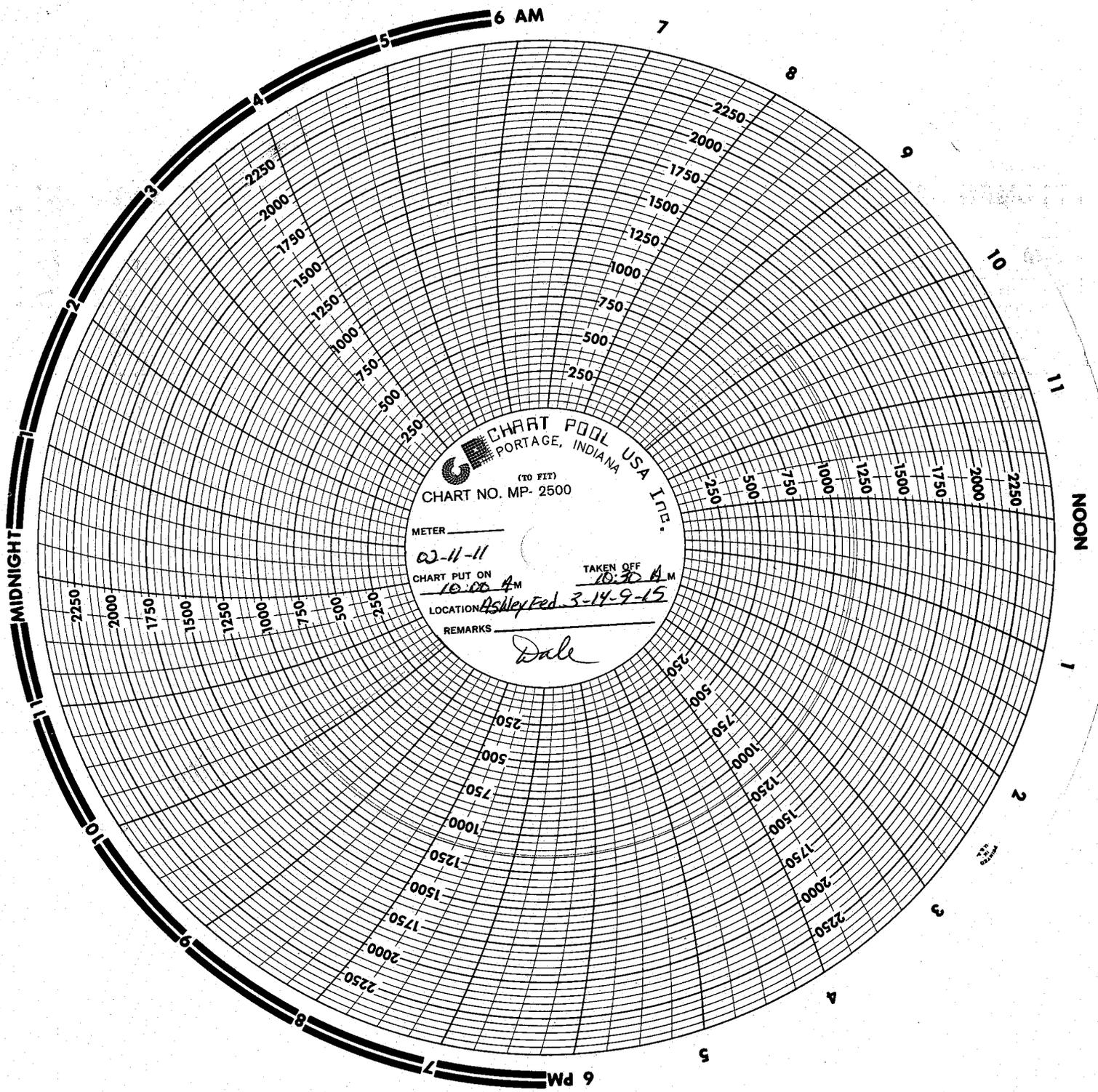
Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Dale Giles



**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(70 FEET)  
CHART NO. MP. 2500

METER \_\_\_\_\_  
02-11-11  
CHART PUT ON 10:00 A.M.  
TAKEN OFF 10:30 A.M.  
LOCATION Ashley Fed. 3-14-9-15  
REMARKS Dale



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

METER \_\_\_\_\_

CHART PUT ON 02-11-11

TAKEN OFF 10:30 A.M.

LOCATION Ashtley Fed. 3-14-9-15

REMARKS Dale

<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-66184	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	<b>8. WELL NAME and NUMBER:</b> ASHLEY FED 3-14-9-15
<b>1. TYPE OF WELL</b> Water Injection Well	<b>9. API NUMBER:</b> 43013323970000
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0857 FNL 1940 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 15.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

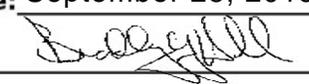
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/21/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Step Rate Test"/>

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

A step rate test was conducted on the subject well on 08/21/2013. Results from the test indicate that the fracture gradient is 0.906 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1794 psi to 1920 psi.

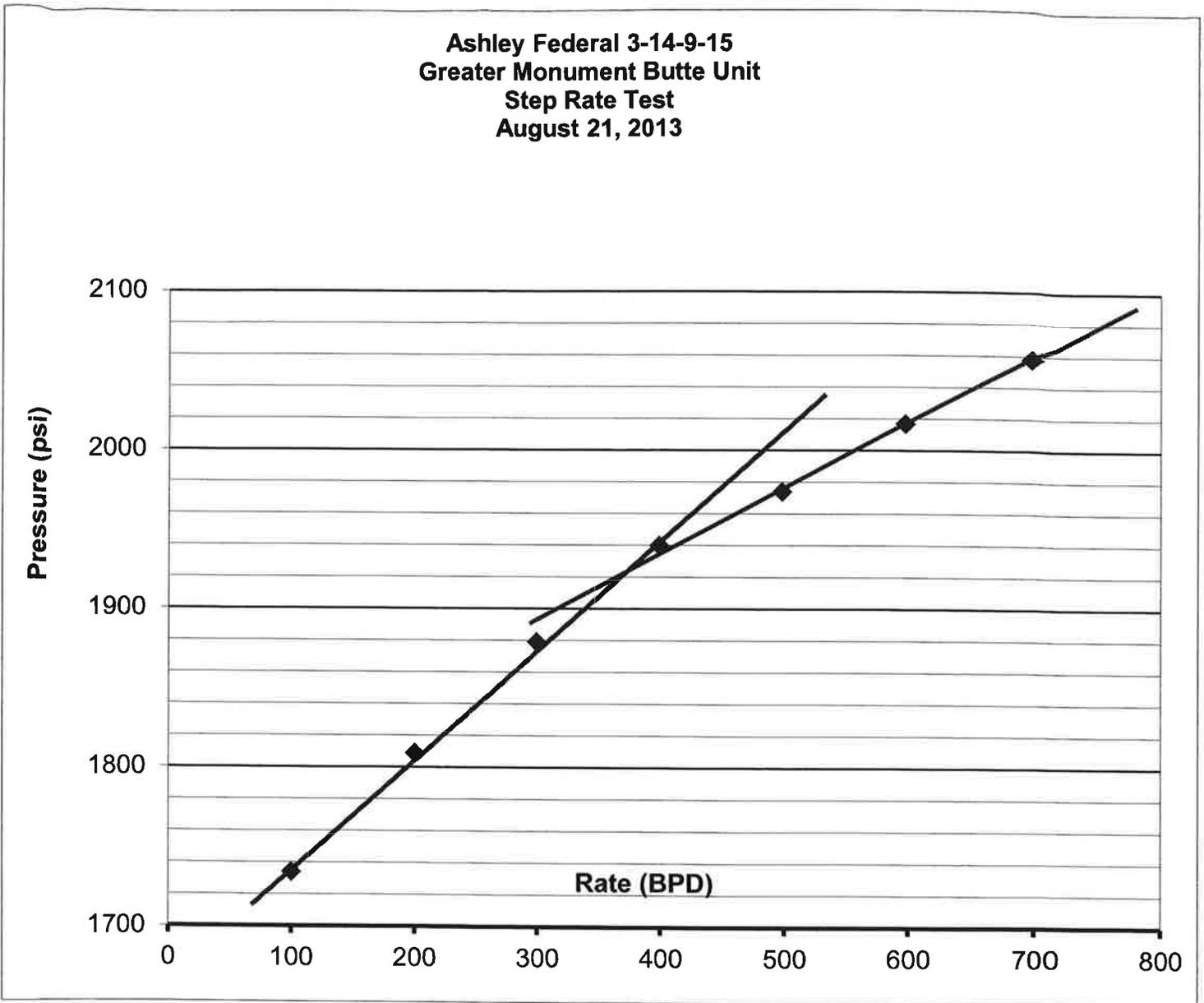
**Accepted by the Utah Division of Oil, Gas and Mining**

**Date:** September 25, 2013

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/23/2013	

**Ashley Federal 3-14-9-15  
Greater Monument Butte Unit  
Step Rate Test  
August 21, 2013**



**Start Pressure:**

1664 psi

<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
1	100	1734
2	200	1809
3	300	1879
4	400	1940
5	500	1974
6	600	2017
7	700	2058

**Top Perforation:**

4120 feet

**Fracture pressure (Pfp):**

1920 psi

**FG:**

0.906 psi/ft

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 08/22/2013 12:36:02  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\  
 Ashley Federal 3-14-9-15 SRT (8-21-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Aug 21, 2013 09:00:01 AM MDT  
 Data End Date: Aug 21, 2013 01:00:00 PM MDT  
 Reading: 1 to 49 of 49  
 Reading Rate: 5 Minutes  
 Last Calibration Date: Jul 29, 2013  
 Next Calibration Date: Jul 29, 2014  
 Next Calibration Date: Jul 29, 2014

**Ashley Federal 3-14-9-15 SRT (8-21-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Aug 21, 2013 09:00:01 AM	1670
2	Aug 21, 2013 09:05:00 AM	1667.8
3	Aug 21, 2013 09:10:01 AM	1666.6
4	Aug 21, 2013 09:15:00 AM	1665
5	Aug 21, 2013 09:20:01 AM	1664.2
6	Aug 21, 2013 09:25:00 AM	1664
7	Aug 21, 2013 09:30:01 AM	1663.6
8	Aug 21, 2013 09:35:01 AM	1696.8
9	Aug 21, 2013 09:40:01 AM	1709.8
10	Aug 21, 2013 09:45:01 AM	1718
11	Aug 21, 2013 09:50:00 AM	1723.4
12	Aug 21, 2013 09:55:01 AM	1729
13	Aug 21, 2013 10:00:00 AM	1733.8
14	Aug 21, 2013 10:05:01 AM	1768
15	Aug 21, 2013 10:10:00 AM	1780.6
16	Aug 21, 2013 10:15:01 AM	1790
17	Aug 21, 2013 10:20:01 AM	1798
18	Aug 21, 2013 10:25:01 AM	1805.8
19	Aug 21, 2013 10:30:01 AM	1809
20	Aug 21, 2013 10:35:00 AM	1842.2
21	Aug 21, 2013 10:40:01 AM	1853.6
22	Aug 21, 2013 10:45:00 AM	1860.4
23	Aug 21, 2013 10:50:01 AM	1868
24	Aug 21, 2013 10:55:00 AM	1872.8
25	Aug 21, 2013 11:00:01 AM	1879.4
26	Aug 21, 2013 11:05:01 AM	1910.6
27	Aug 21, 2013 11:10:01 AM	1910.2
28	Aug 21, 2013 11:15:01 AM	1920.4
29	Aug 21, 2013 11:20:00 AM	1928.6
30	Aug 21, 2013 11:25:01 AM	1933.6
31	Aug 21, 2013 11:30:00 AM	1939.6
32	Aug 21, 2013 11:35:01 AM	1955.2
33	Aug 21, 2013 11:40:00 AM	1960.6
34	Aug 21, 2013 11:45:01 AM	1967.4
35	Aug 21, 2013 11:50:01 AM	1967.8
36	Aug 21, 2013 11:55:01 AM	1972.6
37	Aug 21, 2013 12:00:01 PM	1973.6
38	Aug 21, 2013 12:05:00 PM	1992

**Ashley Federal 3-14-9-15 SRT (8-21-13)**

Unit Type Reading	(All Units) DateTime (MDT)	Channel 2 PSIA
39	Aug 21, 2013 12:10:01 PM	1998.4
40	Aug 21, 2013 12:15:00 PM	2004
41	Aug 21, 2013 12:20:01 PM	2009.2
42	Aug 21, 2013 12:25:00 PM	2012.2
43	Aug 21, 2013 12:30:01 PM	2017.2
44	Aug 21, 2013 12:35:01 PM	2040.6
45	Aug 21, 2013 12:40:01 PM	2043.4
46	Aug 21, 2013 12:45:01 PM	2050.2
47	Aug 21, 2013 12:50:00 PM	2056
48	Aug 21, 2013 12:55:01 PM	2054.4
49	Aug 21, 2013 01:00:00 PM	2057.6

End of Report

**Data Table Report**

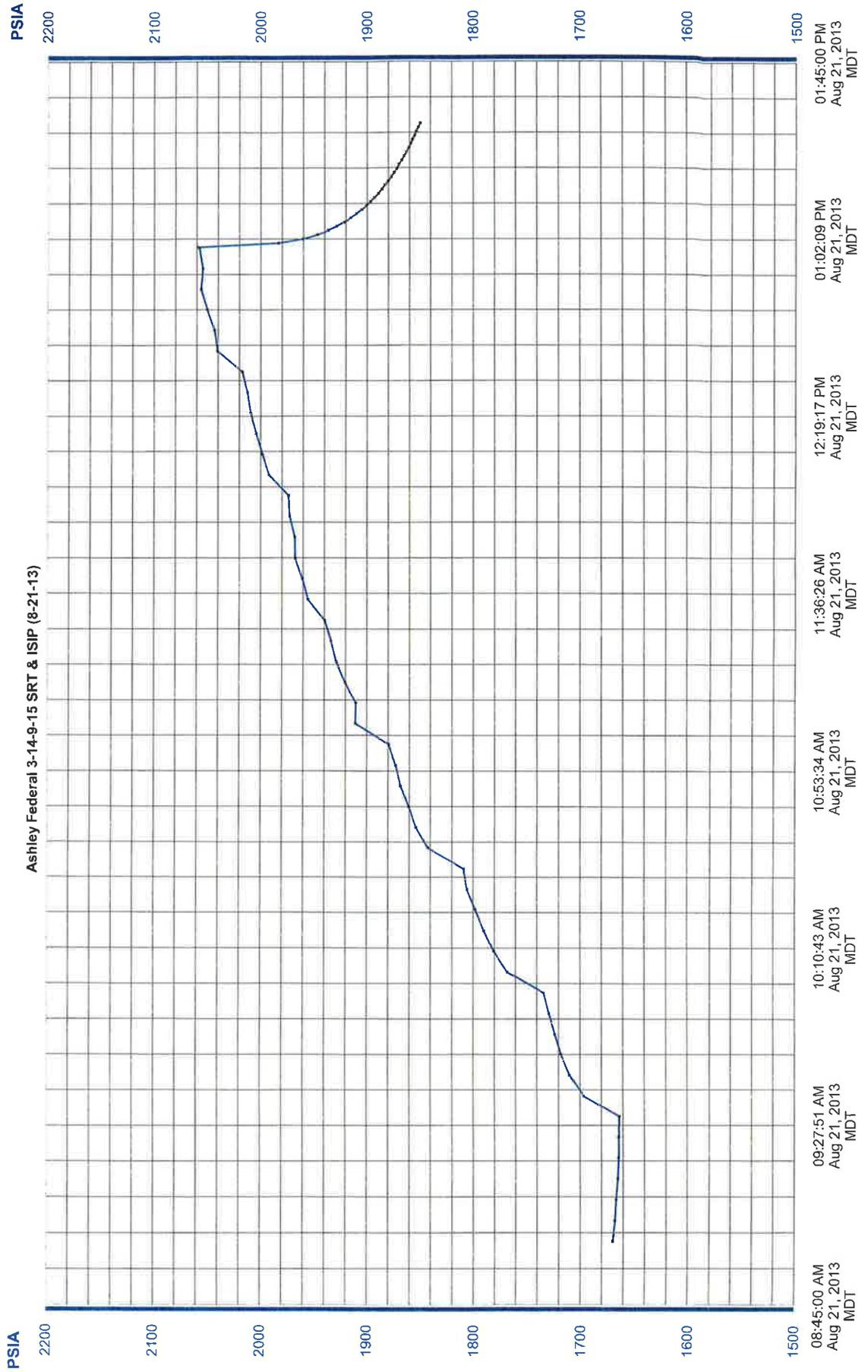
Report Name: PrTemp1000 Data Table  
 Report Date: 08/22/2013 12:35:41  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\  
 Ashley Federal 3-14-9-15 ISIP (8-21-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Aug 21, 2013 01:00:10 PM MDT  
 Data End Date: Aug 21, 2013 01:30:10 PM MDT  
 Reading: 1 to 31 of 31  
 Reading Rate: 5 Minutes  
 Last Calibration Date: Jul 29, 2013  
 Next Calibration Date: Jul 29, 2014  
 Next Calibration Date: Jul 29, 2014

**Ashley Federal 3-14-9-15 ISIP (8-21-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Aug 21, 2013 01:00:10 PM	2059
2	Aug 21, 2013 01:01:10 PM	1983.6
3	Aug 21, 2013 01:02:10 PM	1960.8
4	Aug 21, 2013 01:03:10 PM	1947
5	Aug 21, 2013 01:04:10 PM	1936.6
6	Aug 21, 2013 01:05:10 PM	1928.6
7	Aug 21, 2013 01:06:10 PM	1921.6
8	Aug 21, 2013 01:07:10 PM	1915.4
9	Aug 21, 2013 01:08:11 PM	1909.8
10	Aug 21, 2013 01:09:10 PM	1905.4
11	Aug 21, 2013 01:10:10 PM	1900.8
12	Aug 21, 2013 01:11:10 PM	1897
13	Aug 21, 2013 01:12:10 PM	1893.2
14	Aug 21, 2013 01:13:10 PM	1889.2
15	Aug 21, 2013 01:14:10 PM	1886.2
16	Aug 21, 2013 01:15:10 PM	1883.2
17	Aug 21, 2013 01:16:10 PM	1880
18	Aug 21, 2013 01:17:10 PM	1877.2
19	Aug 21, 2013 01:18:10 PM	1874.4
20	Aug 21, 2013 01:19:10 PM	1871.8
21	Aug 21, 2013 01:20:10 PM	1869.8
22	Aug 21, 2013 01:21:10 PM	1867.4
23	Aug 21, 2013 01:22:10 PM	1865
24	Aug 21, 2013 01:23:10 PM	1862.8
25	Aug 21, 2013 01:24:10 PM	1860.6
26	Aug 21, 2013 01:25:10 PM	1858.8
27	Aug 21, 2013 01:26:10 PM	1857
28	Aug 21, 2013 01:27:10 PM	1855
29	Aug 21, 2013 01:28:10 PM	1853.4
30	Aug 21, 2013 01:29:10 PM	1851.4
31	Aug 21, 2013 01:30:10 PM	1849.6

End of Report



# Ashley Federal 3-14-9-15

Spud Date: 10/24/03  
 Put on Production: 12/12/03  
 GL 6200' KB: 6212'

Initial Production: 132 BOPD,  
 128 MCFD, 20 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (299.77')  
 DEPTH LANDED: 309.77' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 6 bbls cmt to surf.

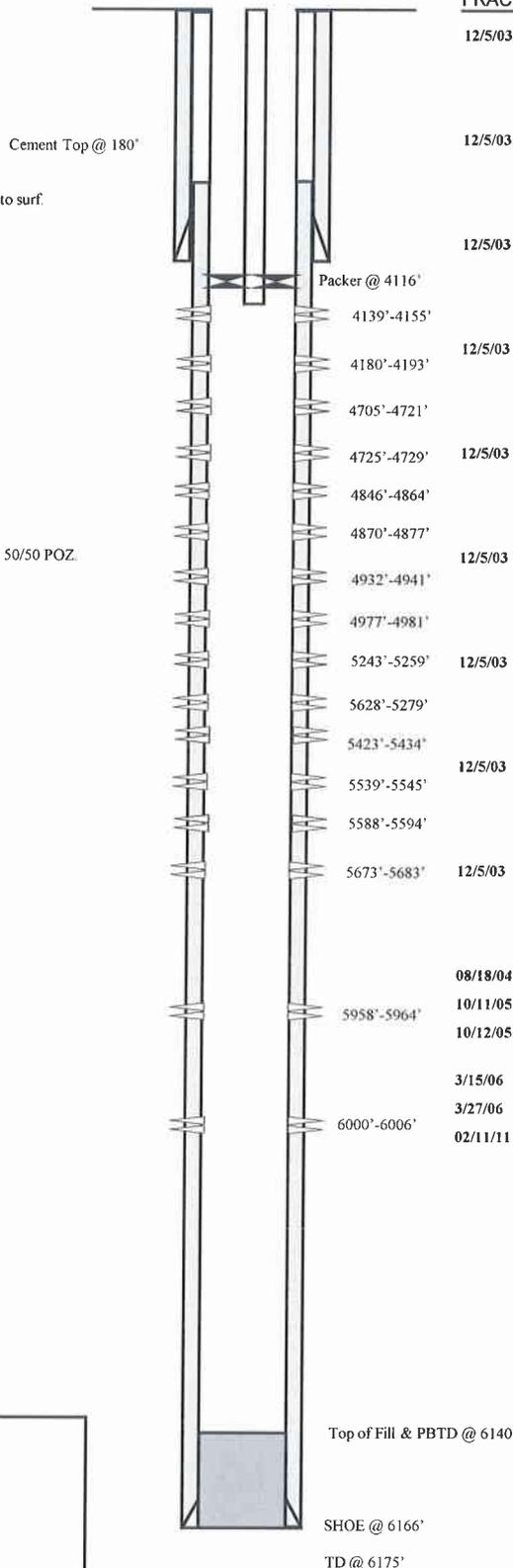
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (6167.94')  
 DEPTH LANDED: 6165.94' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 180'

## TUBING

SIZE/GRADE/WT 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4099.42')  
 SEATING NIPPLE: 2 7/8" (1 10")  
 SN LANDED AT: 4111.42' KB  
 CE @ 4115.82'  
 TOTAL STRING LENGTH: EOT @ 4119.92' W/12 'KB

## Injection Wellbore Diagram



## FRAC JOB

12/5/03	5958'-6006'	<b>Frac CP5 and BS sands as follows:</b> 39,215# 20/40 sand in 401 bbls Lightning 17 fluid. Treated @ avg press of 2080 psi w/avg rate of 24.4 BPM. ISIP 2150 psi. Calc flush: 5956 gal. Actual flush: 5955 gal.
12/5/03	5673'-5683'	<b>Frac CP2 sands as follows:</b> 34,873# 20/40 sand in 363 bbls Lightning 17 fluid. Treated @ avg press of 1811 psi w/avg rate of 24.5 BPM. ISIP 1806 psi. Calc flush: 5671 gal. Actual flush: 5670 gal.
12/5/03	5539'-5594'	<b>Frac LODC and Stray sands as follows:</b> 39,884# 20/40 sand in 387 bbls Lightning 17 fluid. Treated @ avg press of 2550 psi w/avg rate of 25 BPM. ISIP 2530 psi. Calc flush: 5537 gal. Actual flush: 5548 gal.
12/5/03	5423'-5434'	<b>Frac LODC sands as follows:</b> 64,425# 20/40 sand in 520 bbls Lightning 17 fluid. Treated @ avg press of 2684 psi w/avg rate of 24.2 BPM. ISIP 2440 psi. Calc flush: 5421 gal. Actual flush: 5418 gal.
12/5/03	5243'-5279'	<b>Frac LODC sands as follows:</b> 60,000# 20/40 sand in 484 bbls Lightning 17 fluid. Treated @ avg press of 2630 psi w/avg rate of 24.4 BPM. ISIP 2570 psi. Calc flush: 5241 gal. Actual flush: 5250 gal.
12/5/03	4932'-4981'	<b>Frac B.5 and I sands as follows:</b> 60,000# 20/40 sand in 474 bbls Lightning 17 fluid. Treated @ avg press of 1970 psi w/avg rate of 24.6 BPM. ISIP 1990 psi. Calc flush: 4930 gal. Actual flush: 4914 gal.
12/5/03	4846'-4877'	<b>Frac C sands as follows:</b> 90,000# 20/40 sand in 655 bbls Lightning 17 fluid. Treated @ avg press of 2370 psi w/avg rate of 24.5 BPM. ISIP 2260 psi. Calc flush: 4844 gal. Actual flush: 4830 gal.
12/5/03	4705'-4729'	<b>Frac D1 sands as follows:</b> 100,000# 20/40 sand in 710 bbls Lightning 17 fluid. Treated @ avg press of 2926 psi w/avg rate of 27.4 BPM. ISIP 2750 psi. Calc flush: 4703 gal. Actual flush: 4704 gal.
12/5/03	4139'-4193'	<b>Frac GB2 and 4 sands as follows:</b> 80,620# 20/40 sand in 570 bbls Lightning 17 fluid. Treated @ avg press of 2150 psi w/avg rate of 24.6 BPM. ISIP 2220 psi. Calc flush: 4137 gal. Actual flush: 4032 gal.
08/18/04		<b>Parted rods. Updated rod detail.</b>
10/11/05		<b>Pump change</b>
10/12/05		<b>Pump change. Detailed tubing and rod details.</b>
3/15/06		<b>Well converted to Injection well.</b>
3/27/06		<b>MIT completed and submitted.</b>
02/11/11		<b>5 yr MIT</b>

## PERFORATION RECORD

12/2/03	6000'-6006'	4 JSPF	24 holes
12/2/03	5958'-5964'	4 JSPF	24 holes
12/5/03	5673'-5683'	4 JSPF	40 holes
12/5/03	5588'-5594'	4 JSPF	24 holes
12/5/03	5539'-5545'	4 JSPF	24 holes
12/5/03	5423'-5434'	4 JSPF	44 holes
12/5/03	5268'-5279'	2 JSPF	22 holes
12/5/03	5243'-5259'	2 JSPF	32 holes
12/5/03	4977'-4981'	4 JSPF	16 holes
12/5/03	4932'-4941'	4 JSPF	36 holes
12/5/03	4870'-4877'	2 JSPF	14 holes
12/5/03	4846'-4864'	2 JSPF	36 holes
12/5/03	4725'-4729'	2 JSPF	8 holes
12/5/03	4705'-4721'	2 JSPF	32 holes
12/5/03	4180'-4193'	2 JSPF	26 holes
12/5/03	4139'-4155'	2 JSPF	32 holes

**NEWFIELD**

**Ashley Federal 3-14-9-15**

587' FNL & 1940' FWL

NENW Section 14-T9S-R15E

Duchesne Co, Utah

API #43-013-32397; Lease #UTU-66184

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-66184
<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: ASHLEY FED 3-14-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013323970000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0857 FNL 1940 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 15.0E 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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/7/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

On 01/05/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/07/2016 the casing was pressured up to 1172 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1716 psig during the test. There was a State representative available to witness the test - Amy Doebele.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
January 08, 2016**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/8/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Amy Doebeli Date 11/7/16 Time 1:30 am  pm

Test Conducted by: Michael Jensen

Others Present: Jeremy Price

Well: Ashley Federal 3-18-9-15 Field: Monument Butte  
Well Location: NE/NW sec 14, T9S, R158 API No: 43-013-32397

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1175.0</u>	psig
5	<u>1174.2</u>	psig
10	<u>1173.0</u>	psig
15	<u>1172.2</u>	psig
20	<u>1171.6</u>	psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1716 psig

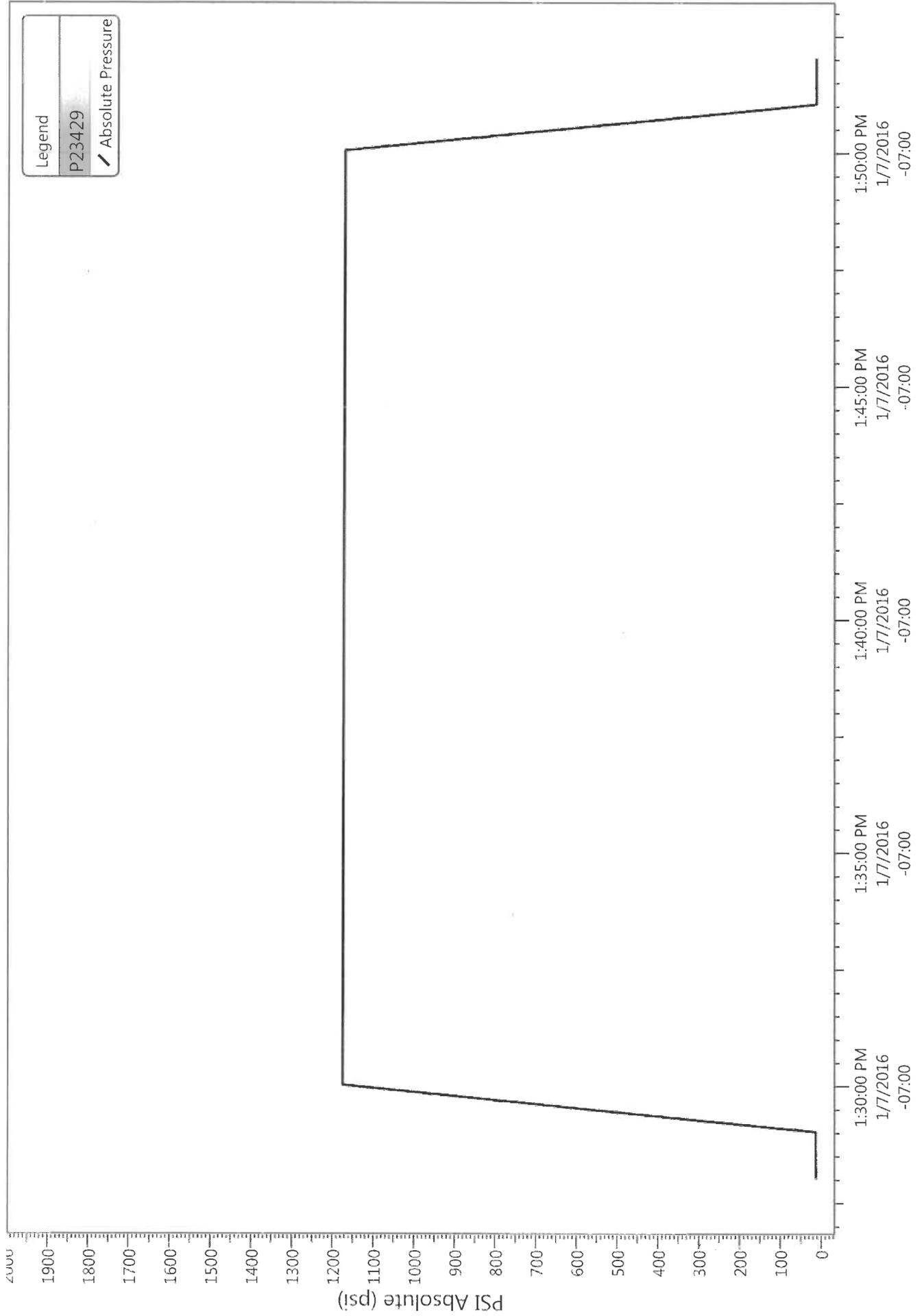
Result: Pass Fail

Signature of Witness: 

Signature of Person Conducting Test: 

### Ashley Federal 3-14-9-15 (1-7-16)

1/7/2016 1:27:19 PM



**NEWFIELD**



**Schematic**

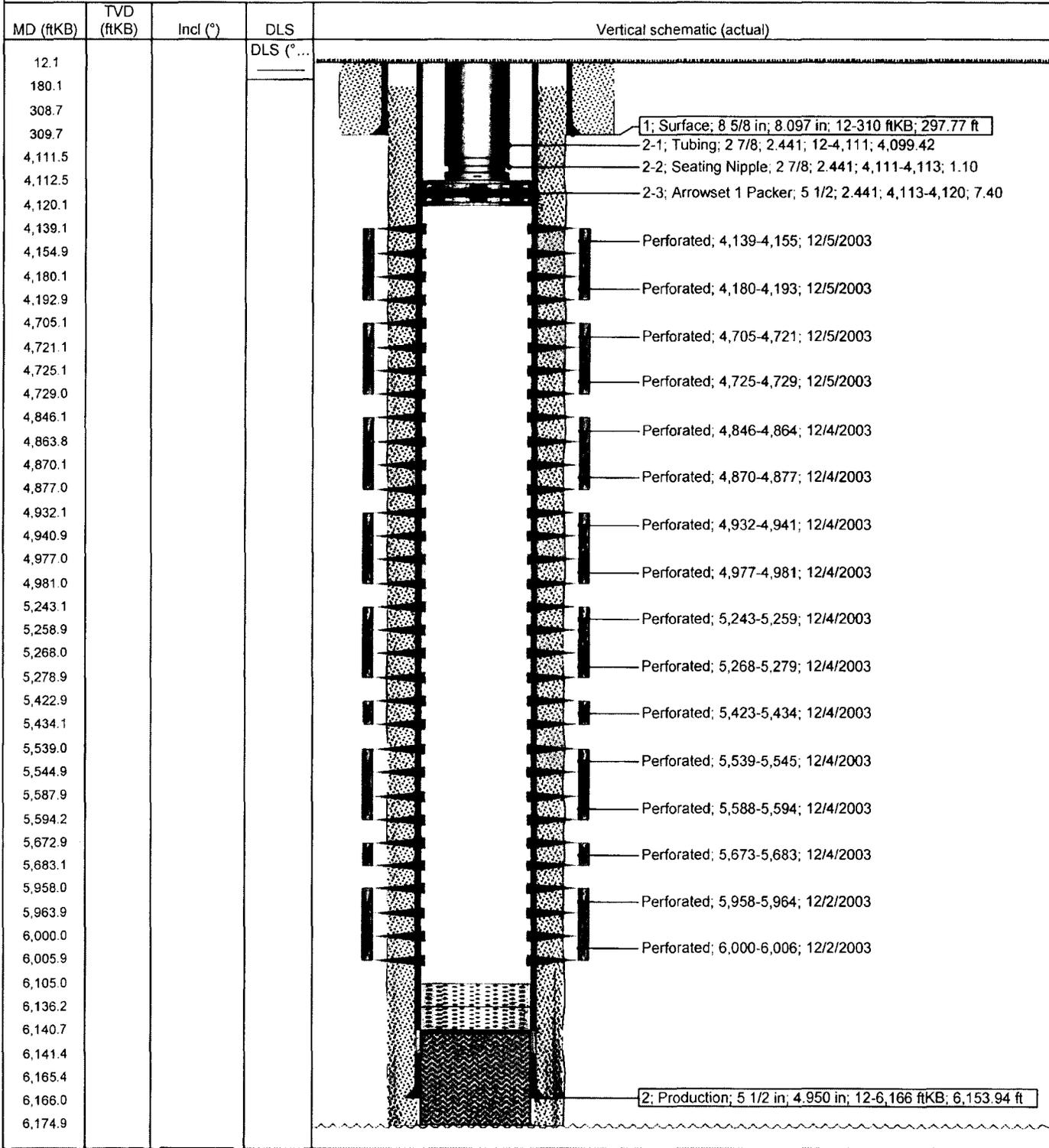
43-013-32397

**Well Name: Ashley 3-14-9-15**

Surface Legal Location 14-9S-15E		API/UWI 43013323970000	Well RC 500150767	Lease	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 10/24/2003	Rig Release Date 11/22/2003	On Production Date 12/12/2003	Original KB Elevation (ft) 6,212	Ground Elevation (ft) 6,200	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,140.7	

<b>Most Recent Job</b>				
Job Category Testing	Primary Job Type	Secondary Job Type N/A	Job Start Date 1/7/2016	Job End Date 1/7/2016

**TD: 6,175.0** Vertical - Original Hole, 3/24/2016 11:47:42 AM



# NEWFIELD



## Newfield Wellbore Diagram Data Ashley 3-14-9-15

Surface Legal Location 14-9S-15E		API/UWI 43013323970000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 10/24/2003		Spud Date 10/24/2003		Final Rig Release Date 11/22/2003	
Original KB Elevation (ft) 6,212		Ground Elevation (ft) 6,200		Total Depth (ftKB) 6,175.0	
				Total Depth All (TVD) (ftKB) PBSD (All) (ftKB) Original Hole - 6,140.7	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/24/2003	8 5/8	8.097	24.00	J-55	310
Production	11/22/2003	5 1/2	4.950	15.50	J-55	6,166

### Cement

#### String: Surface, 310ftKB 11/3/2003

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 309.8	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks) 150	Class G	Estimated Top (ftKB) 12.0

#### String: Production, 6,166ftKB 11/22/2003

Cementing Company BJ Services Company		Top Depth (ftKB) 180.0	Bottom Depth (ftKB) 6,175.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 300	Class PL II	Estimated Top (ftKB) 180.0
Fluid Description W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 400	Class 50/50 Poz	Estimated Top (ftKB) 3,000.0

### Tubing Strings

Tubing Description Tubing		Run Date 3/13/2006		Set Depth (ftKB) 4,119.9				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	129	2 7/8	2.441	6.50	J-55	4,099.42	12.0	4,111.4
Seating Nipple		2 7/8	2.441			1.10	4,111.4	4,112.5
Arrowset 1 Packer		5 1/2	2.441			7.40	4,112.5	4,119.9

### Rod Strings

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

### Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	6,136	6,141	8/17/2004	
Fill	6,105	6,136	11/11/2005	

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
9	GB2, Original Hole	4,139	4,155	2		0.038	12/5/2003
9	GB4, Original Hole	4,180	4,193	2		0.038	12/5/2003
8	D1, Original Hole	4,705	4,721	2		0.038	12/5/2003
8	D1, Original Hole	4,725	4,729	2		0.038	12/5/2003
7	C, Original Hole	4,846	4,864	2		0.038	12/4/2003
7	C, Original Hole	4,870	4,877	2		0.038	12/4/2003
6	B .5, Original Hole	4,932	4,941	4		0.038	12/4/2003
6	B1, Original Hole	4,977	4,981	4		0.038	12/4/2003
5	LODC, Original Hole	5,243	5,259	2		0.038	12/4/2003
5	LODC, Original Hole	5,268	5,279	2		0.038	12/4/2003
4	LODC, Original Hole	5,423	5,434	4		0.038	12/4/2003
3	LODC, Original Hole	5,539	5,545	4		0.038	12/4/2003
3	Stray, Original Hole	5,588	5,594	4		0.038	12/4/2003
2	CP2, Original Hole	5,673	5,683	4		0.038	12/4/2003
1	CP5, Original Hole	5,958	5,964	4		0.038	12/2/2003
1	BS, Original Hole	6,000	6,006	4		0.038	12/2/2003

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,150	0.79	24.9	3,880			
2	1,806	0.75	24.7	4,250			
3	2,530	0.89	24.8	4,002			
4	2,440	0.88	24.4	3,482			



**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
5	2,570	0.92	24.7	3,390			
6	1,990	0.83	24.9	4,074			
7	2,260	0.9	24.7	3,535			
8	2,750	1.02	29.4	3,295			
9	2,220	0.97	24.9	3,570			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 39215 lb
2		Proppant White Sand 34873 lb
3		Proppant White Sand 39884 lb
4		Proppant White Sand 64425 lb
5		Proppant White Sand 60000 lb
6		Proppant White Sand 60000 lb
7		Proppant White Sand 90000 lb
8		Proppant White Sand 100000 lb
9		Proppant White Sand 80620 lb