

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. UTU-72107
6. IF INDIAN, ALOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME S. Wells Draw
9. WELL NO. #13-10-9-16
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T9S, R16E
12. County Duchesne
13. STATE UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR Inland Production Company

3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface SW/SW At proposed Prod. Zone 610' FSL & 632' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 17.2 Miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 610'

16. NO. OF ACRES IN LEASE 560

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. 6500'

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5738.1' GR

22. APPROX. DATE WORK WILL START\* 2nd Quarter 1998

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Row 1: Refer to Monument Butte Field SOP's Drilling Program/Casing Design

Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "G".

The Conditions of Approval are attached.

RECEIVED JAN 27 1998

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 Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 1/20/98

PERMIT NO. 43-013-32047 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 Howard B. Clearinger TITLE Assistant Field Manager Mineral Resources DATE 4/16/98

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: 13-10-9-16

API Number: 43-013-32047

Lease Number: U-72107

Location: SWSW Sec. 10 T. 09S R. 16E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

Drilling Operations

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water identified at  $\pm$  2803 ft.

**SURFACE USE PROGRAM**

Location Reclamation

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

<b>black sagebrush</b>	<b>Artemesia arbuscula v. nova</b>	<b>3 lbs/acre</b>
<b>shadscale</b>	<b>Atriplex confertifolia</b>	<b>3 lbs/acre</b>
<b>fourwing saltbush</b>	<b>Atriplex canescens</b>	<b>4 lbs/acre</b>
<b>western wheatgrass</b>	<b>Agropyron smithii</b>	<b>2 lbs/acre</b>

**The location topsoil pile shall be seeded immediately after site construction by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed.**

**The reserve pit shall have a small amount of topsoil stock piled near by as shown on the cut sheet to be used to spread over the reserve pit area at the time the reserve pit is reclaimed.**

**Once the reserve pit is dry, it shall be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.**

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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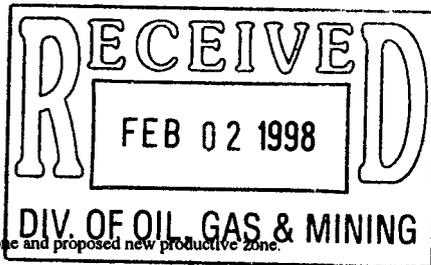
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24. SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 1/20/98

(This space for Federal or State office use)

PERMIT NO. H3-013-32047 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: Federal Approval of this Action is Necessary BRADLEY G. HILL RECLAMATION SPECIALIST III APPROVED BY [Signature] TITLE DATE 4/20/98

\*See Instructions On Reverse Side

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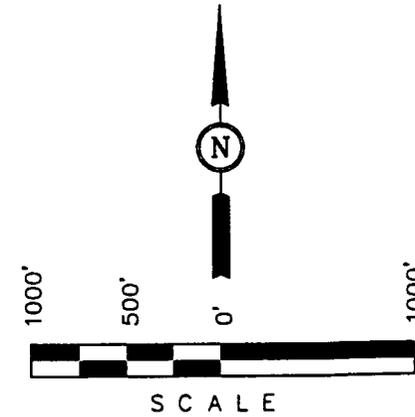
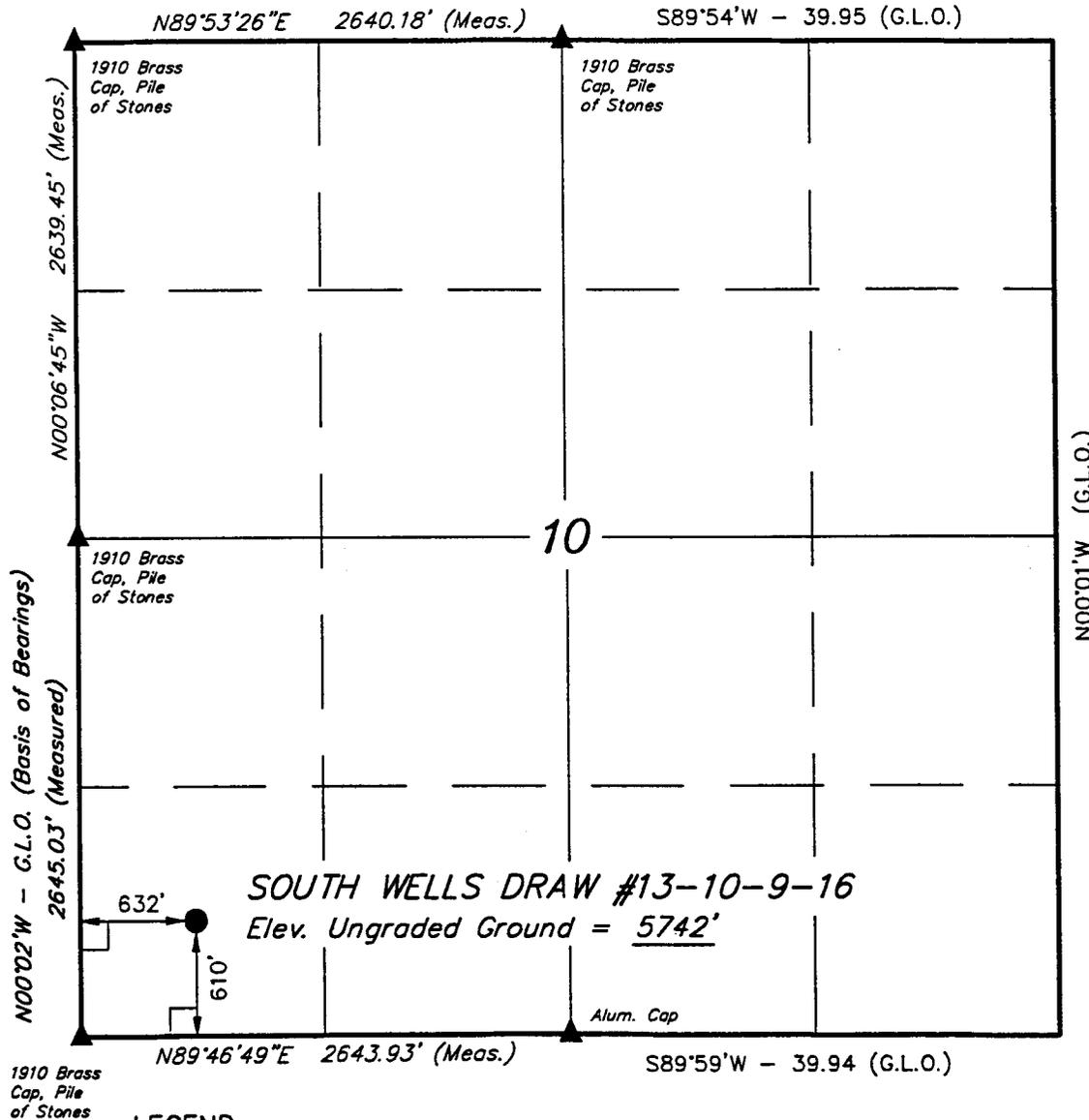
T9S, R16E, S.L.B.&M.

INLAND PRODUCTION CO.

Well location, SOUTH WELLS DRAW #13-10-9-16, located as shown in the SW 1/4 SW 1/4 of Section 10, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5747 FEET.



CERTIFICATE

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.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 1-2-98	DATE DRAWN: 1-13-98
PARTY K.K. J.F. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #13-10-9-16  
SW/SW SECTION 10, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1565'
Green River	1565'
Wasatch	6500'

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

Green River Formation 1565' – 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 "F".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #13-10-9-16  
SW/SW SECTION 10, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

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

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site S. Wells Draw # 13-10-9-16 located in the SW 1/4 SW 1/4 Section 10, T9S, R16E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along this road 6.3 miles  $\pm$  to its junction with a dirt road to the southeast; continue southeasterly 1.6 miles to its junction with a dirt road; continue an additional 2.3 miles to its junction with a dirt road to the southwest; proceed southwesterly 0.9 miles to its junction with a dirt road; continue southwesterly 1.6 miles to its junction with a dirt road to the west; proceed westerly 3.0 miles to the beginning of the proposed access road.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "D".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

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

**5. LOCATION AND TYPE OF WATER SUPPLY**

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

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

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

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

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 Survey & Pipeline ROW*

The Archaeological Cultural Resource Survey Report will be submitted as soon as it becomes available.

Inland Production Company requests that a pipeline ROW be granted to the S. Wells Draw #13-10-9-16 for a 3" poly fuel gas line, and a 4" poly gas gatherline line. Both lines will be run on surface, adjacent to the existing road-way; the route will follow existing roads where possible. Inland requests that a 30' width for the ROW and an additional 30' width for working surface as necessary. Refer to Exhibit "G".

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

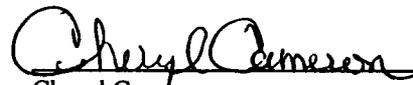
Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, Utah 84079  
Telephone: (435) 789-1866

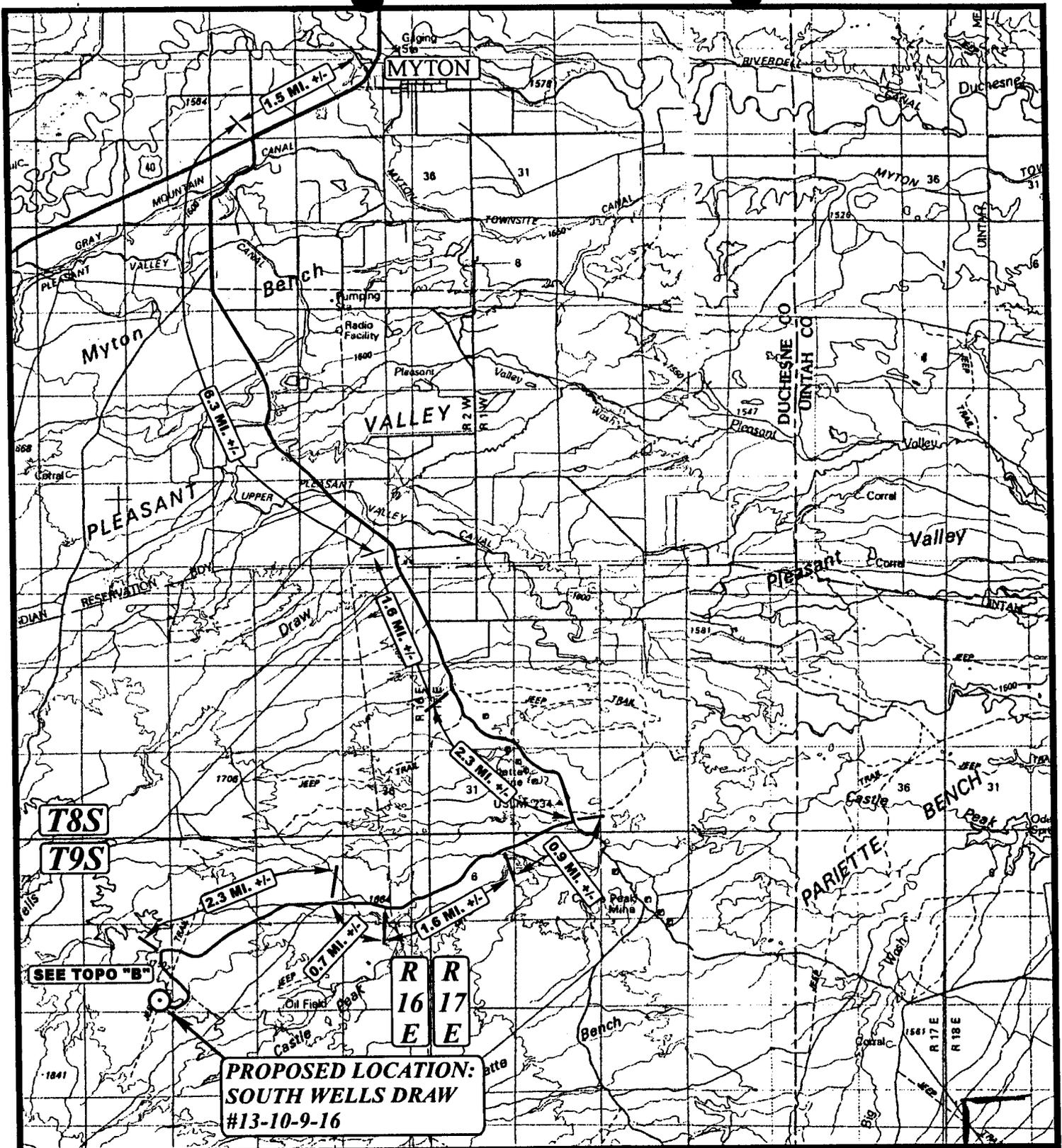
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #13-10-9-16 SW/SW Section 10, Township 9S, Range 16E: Lease UTU-72107 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.

\_\_\_\_\_  
1/20/98  
Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



T8S  
T9S

R 16  
R 17  
E E

**PROPOSED LOCATION:  
SOUTH WELLS DRAW  
#13-10-9-16**

**LEGEND:**

○ PROPOSED LOCATION



**INLAND PRODUCTION CO.**  
SOUTH WELLS DRAW #13-10-9-16  
SECTION 10, T9S, R16E, S.L.B.&M.  
610' FSL 632' FWL



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

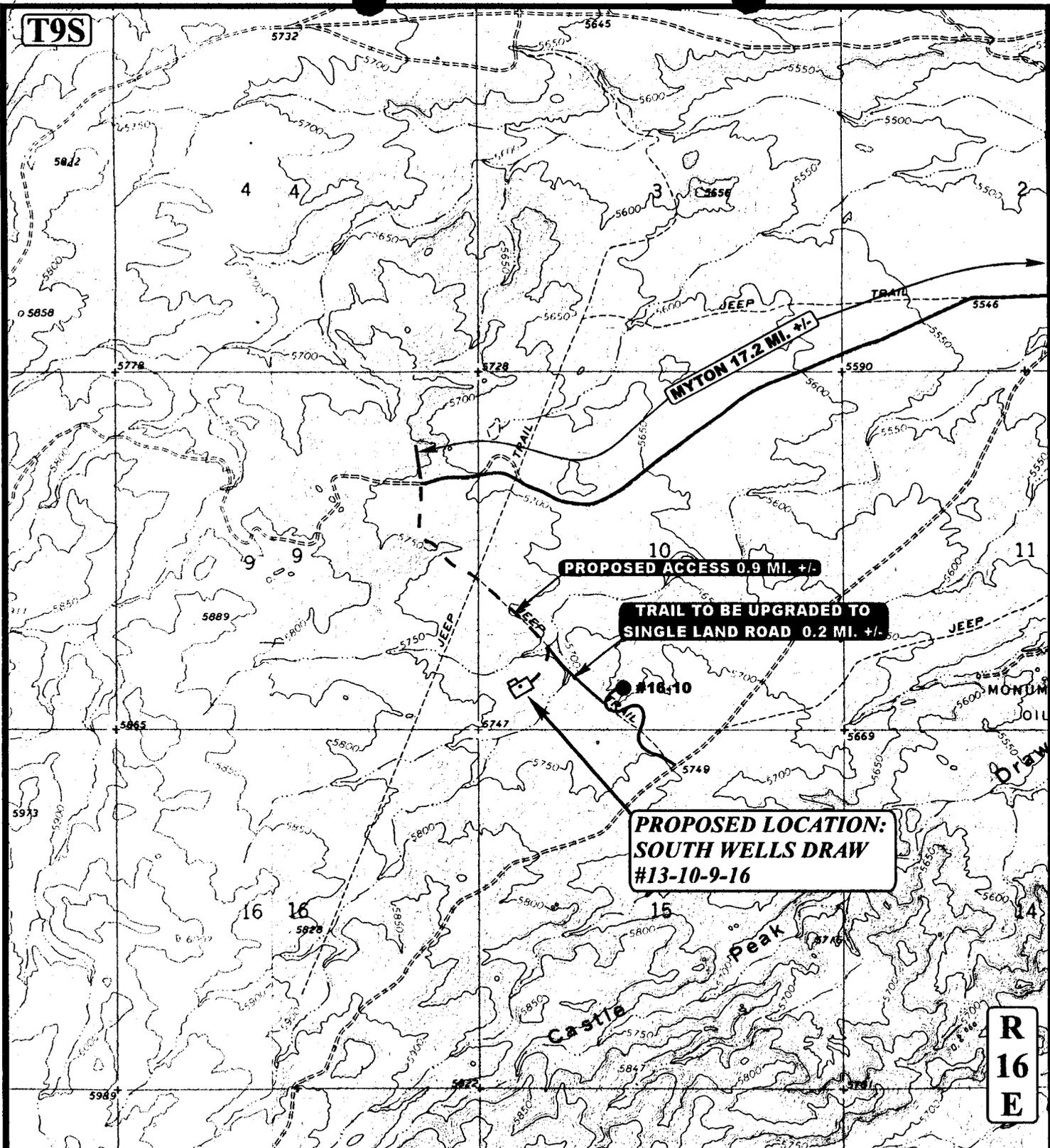
**TOPOGRAPHIC  
MAP**

**1 13 98**  
MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: D.COX REVISED: 00-00-00



T9S



R  
16  
E

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**INLAND PRODUCTION CO.**  
**SOUTH WELLS DRAW #13-10-9-16**  
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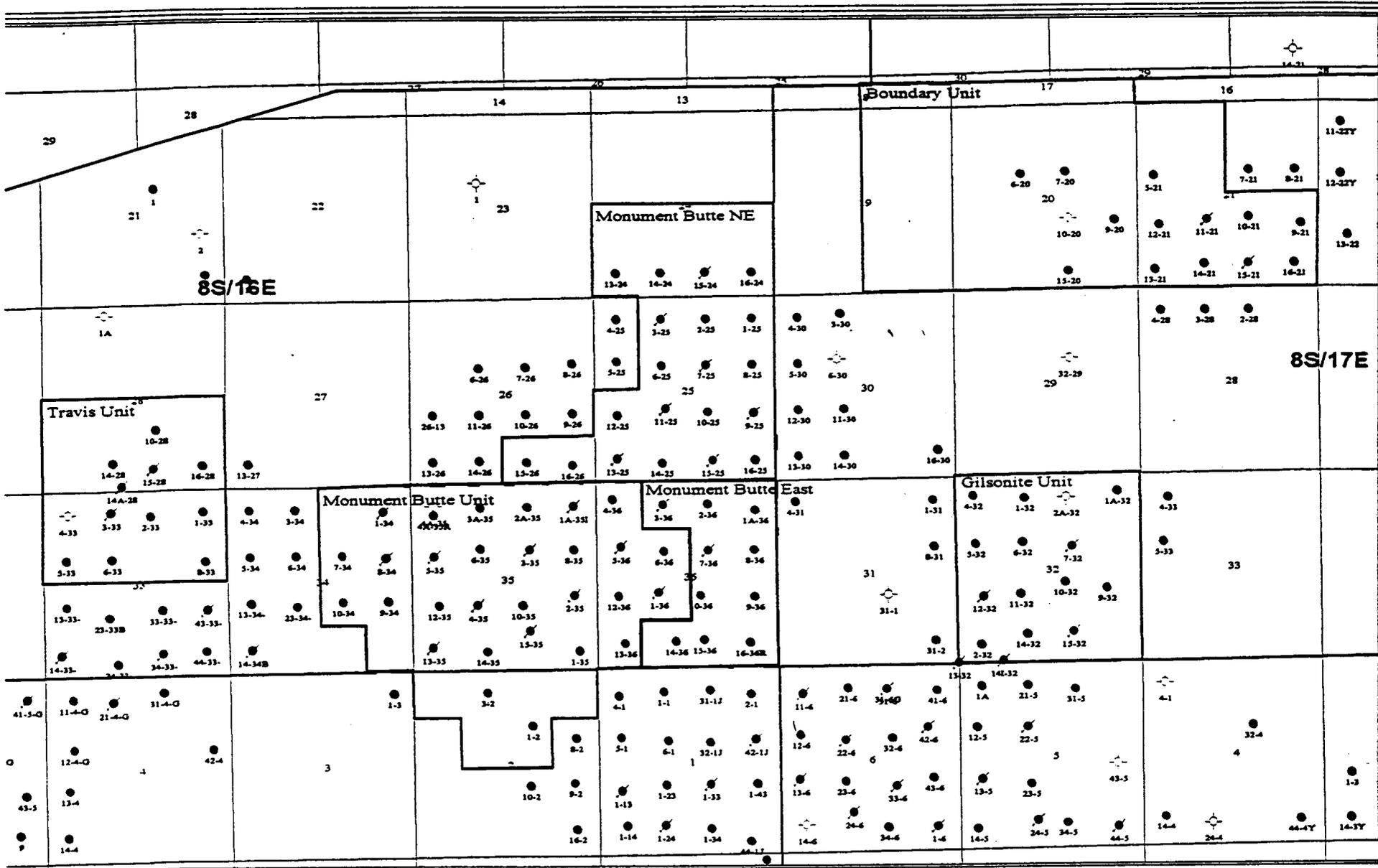
**TOPOGRAPHIC**  
**MAP**

<b>1</b>	<b>13</b>	<b>98</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00



EXHIBIT "C"



**Inland**  
ENGINEERS INC.

475 17<sup>th</sup> Street Suite 1500  
 Denver, Colorado 80202  
 Phone (303) 292-0900

**Regional Area**

Duchesne County, Utah

Date: 4/18/97 J.A.





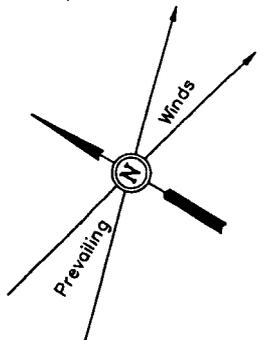
# INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

SOUTH WELLS DRAW #13-10-9-16

SECTION 10, T9S, R16E, S.L.B.&M.

610' FSL 632' FWL



SCALE: 1" = 50'

Date: 1-13-98

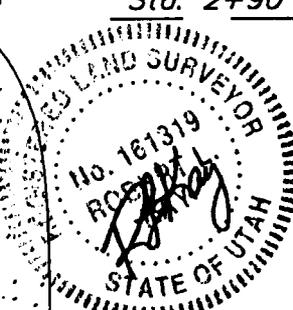
Drawn By: C.B.T.

F-8.4'  
El. 29.7'

GRADE  
El. 38.1'

F-10.0'  
El. 28.1'

Sta. 2+90



CLEARWATER UNIT AREA

El. 42.4'  
C-12.3'  
(Btm. Pit)

El. 43.0'  
C-4.9'

NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 2,030 Bbls.

Reserve Pit Backfill  
& Spoils Stockpile

APPROX.  
TOP OF  
CUT SLOPE

El. 44.7'  
C-14.6'  
(Btm. Pit)

El. 45.9'  
C-7.8'

Topsoil  
Stockpile

El. 46.8'  
C-8.7'

Round Corners  
As Needed

CATWALK 145'

PIPE RACKS

C-3.9'  
El. 42.0'

Sta. 1+45

DOG HOUSE

El. 29.9'  
F-8.2'

APPROX.  
TOE OF  
FILL SLOPE

Sta. 0+73

TRAILER  
TOILET  
FUEL

MUD TANKS  
PUMP  
MUD SHED  
HOPPER

POWER  
TOOLS  
FUEL

STORAGE TANK

Sta. 0+00

C-7.6'  
El. 45.7'

El. 39.0'  
C-0.9'

Elev. Ungraded Ground at Location Stake = 5742.0'

Elev. Graded Ground at Location Stake = 5738.1'

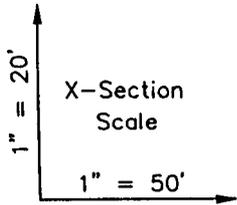
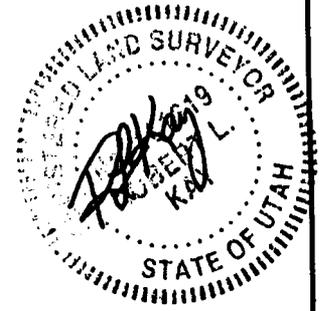
**INLAND PRODUCTION CO.**

**TYPICAL CROSS SECTIONS FOR**

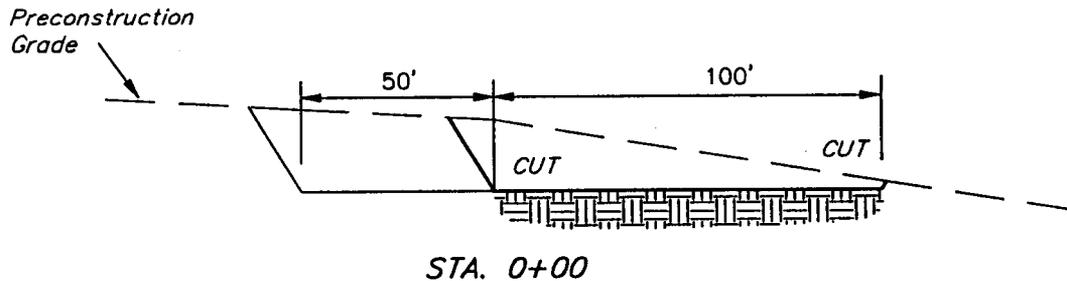
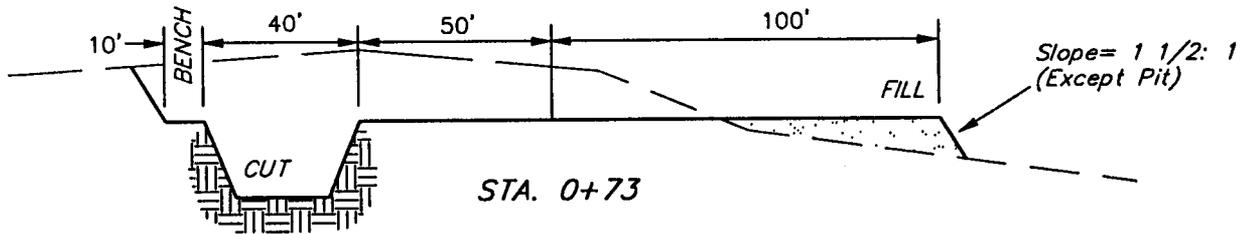
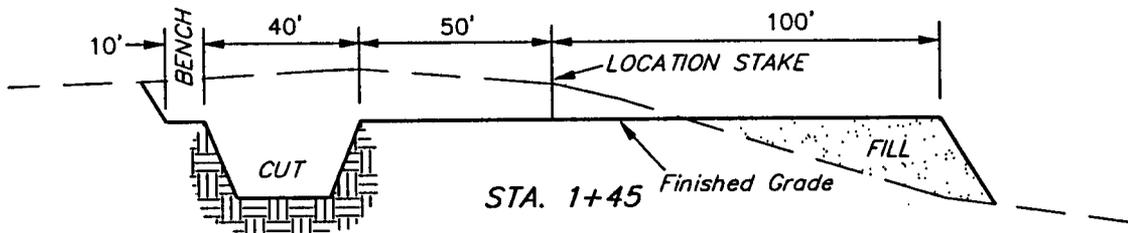
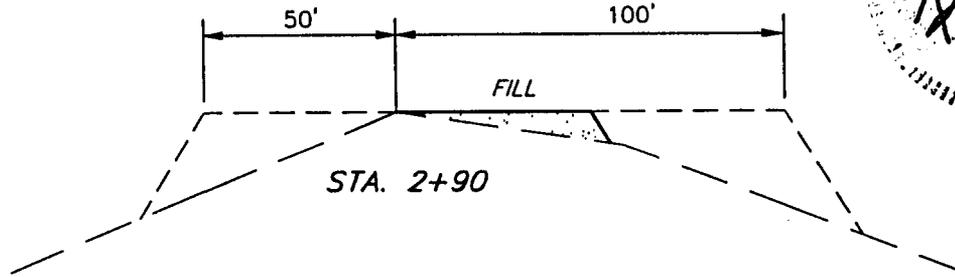
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**SECTION 10, T9S, R16E, S.L.B.&M.**

**610' FSL 632' FWL**



Date: 1-13-98  
Drawn By: C.B.T.



**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 870 Cu. Yds.
Remaining Location	= 4,800 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,670 CU.YDS.</b>
<b>FILL</b>	<b>= 4,250 CU.YDS.</b>

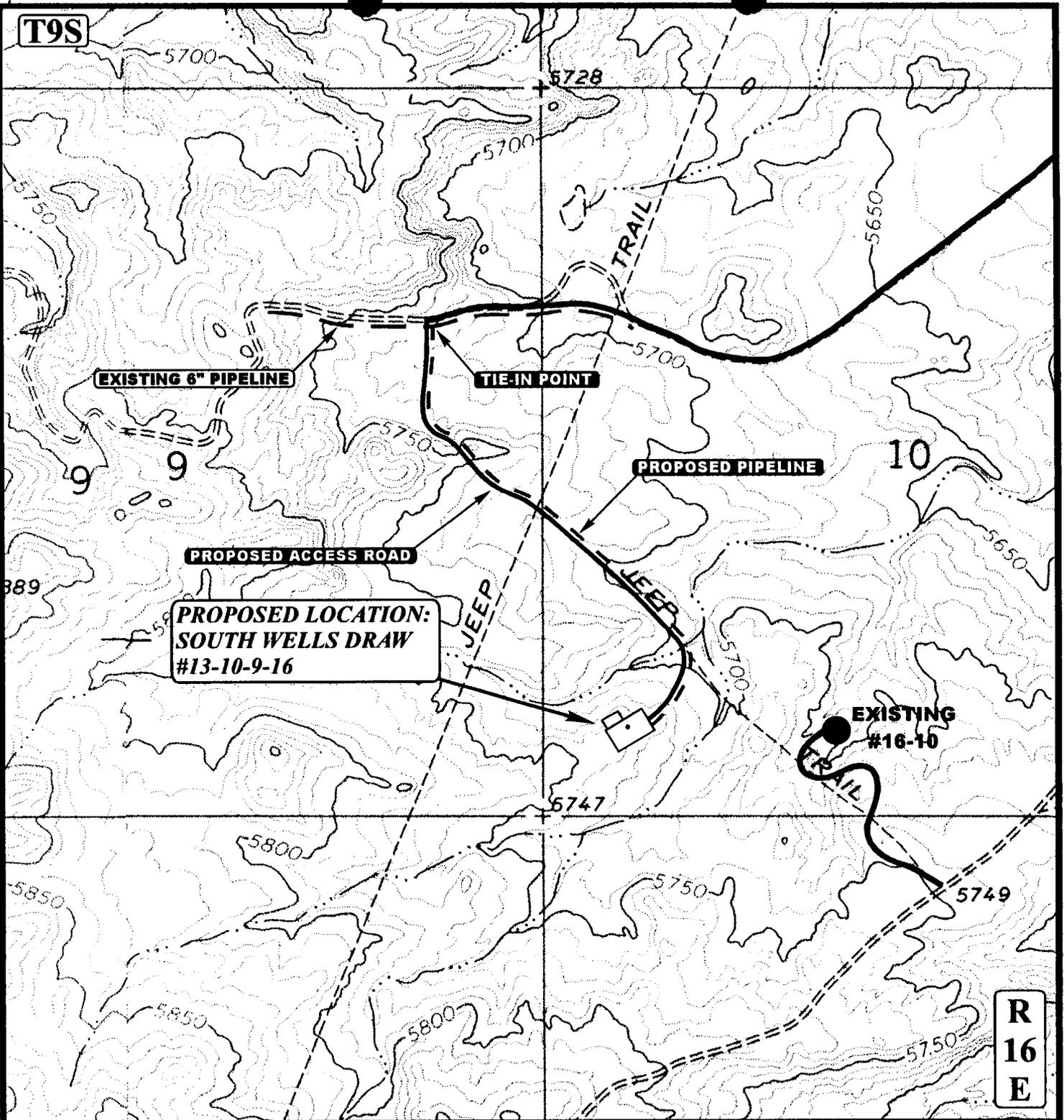
EXCESS MATERIAL AFTER 5% COMPACTION = 1,200 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 1,200 Cu. Yds.

EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed = 0 Cu. Yds.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

T9S



**APPROXIMATE TOTAL PIPELINE DISTANCE = 3700' +/-**

**LEGEND:**

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



**INLAND PRODUCTION CO.**

**SOUTH WELLS DRAW #13-10-9-16**

**SECTION 10, T9S, R16E, S.L.B.&M.**

**610' FSL 632' FWL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

<b>1</b>	<b>13</b>	<b>1998</b>
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00



Well No.: South Wells Draw 13-10-9-16

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: South Wells Draw 13-10-9-16

API Number:

Lease Number: UTU-72107

Location: SWSW Sec. 10, T9S, R16E

**GENERAL**

Access pad from NE, off of existing two-track.

**CULTURAL RESOURCES**

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

**PALEONTOLOGICAL RESOURCES**

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

**SOILS, WATERSHEDS, AND FLOODPLAINS**

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

**WILDLIFE AND FISHERIES**

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

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

## THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

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

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

OTHER

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/02/98

API NO. ASSIGNED: 43-013-32047

WELL NAME: S. WELLS DRAW 13-10-9-16  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:  
 SWSW 10 - T09S - R16E  
 SURFACE: 0610-FSL-0632-FWL  
 BOTTOM: 0610-FSL-0632-FWL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: UTU - 72107

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

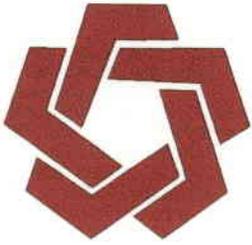
- Plat
- Bond: Federal  State  Fee   
 (Number 4488944)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number GILSONITE STATE 7-32)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

- R649-2-3. Unit: \_\_\_\_\_
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: ① FEDERAL APPROVAL



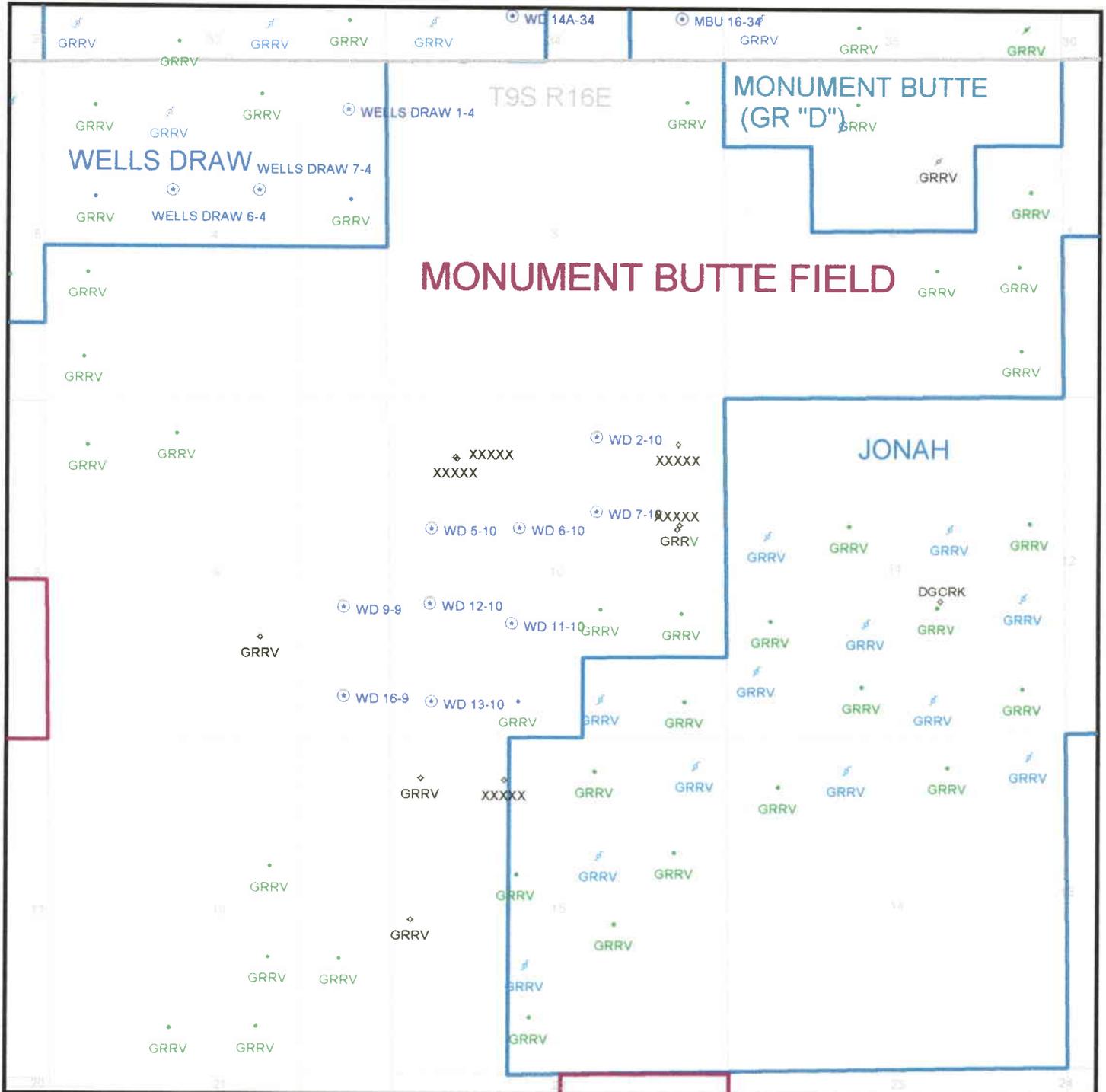
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. TWP. RNG.: SEC. 9 & 10, T9S, R16E

COUNTY: DUCHESNE UAC: R649-3-2 STATE SPACING



DATE PREPARED:  
4-FEB-1998



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

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

April 20, 1998

Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84079

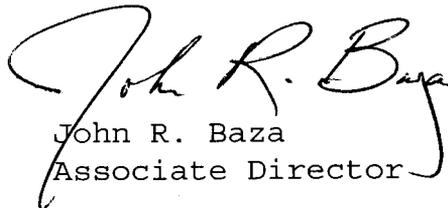
Re: S. Wells Draw 13-10-9-16 Well, 0610' FSL, 0632' FWL, SW SW,  
Sec. 10, T. 9 S., R. 16 E., Duchesne County, Utah

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 43-013-32047.

Sincerely,

  
John R. Baza  
Associate Director

lwp

Enclosures

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

Operator: Inland Production Company  
Well Name & Number: S. Wells Draw 13-10-9-16  
API Number: 43-013-32047  
Lease: UTU-72107  
Location: SW SW Sec. 10 T. 9 S. R. 16 E.

### 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 following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or John R. Baza at (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall 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 supercede the required federal approval which must be obtained prior to drilling.

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-72107**

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

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

8. Well Name and No.  
**S. WELLS DRAW 13-10-9-16**

9. API Well No.  
**43-013-32047**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

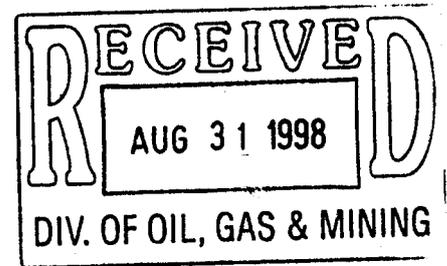
4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**610 FSL 632 FWL                      SW/SW Section 10, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Surface Spud</u>
	<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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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.)\*

MIRU. WO hammer. Cut hole in rig floor for mouse hole. Drl & set MH & RH. Drl & set 13-3/8" conductor. **SPUD WELL @ 12:00 AM, 8/15/98.** NU cellar & flowline. Drl 12-1/4" sfc hole. Hit damp spot 102'. Not enough volume for a sample. Drl 256' - 322'. C&C. TOH & ND cellar. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg, WHI "W92" csg head (294'). Csg set @ 303'. RU BJ. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/140 sx Class "G" w/2% CC & 1/4#/sk Cello Flake (15.8 ppg 1.17 cf/sk yield). Had no returns to sfc & had no extra cmt. TOC 45' KB. WO bulk truck. Topped off w/20 sx Class "G" (15.8 ppg 1.17 cf/sk yield). RD BJ. WOC.



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

Signed Shannon Smith Title Engineering Secretary Date 8/21/98

(This space for Federal or State office use)

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

Conditions of approval, if any:  
**CC: UTAH DOGM**

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

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

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 13-10-9-16**

9. API Well No.

**43-013-32047**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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

**610 FSL 632 FWL                      SW/SW Section 10, T09S R16E**

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

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 8/13/98 - 8/20/98**

NU. Test BOP's. Replaced seals on blind rams. TIH. Repair blueing line. Drl plug, cmt & GS. Drl 322' - 4260'.

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

Signed

Shannon Smith

Title

Engineering Secretary

Date

8/21/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

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

OPERATOR Inland Production Company  
ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32068	TAR SANDS FED 8-28-8-17	SE/NE	28	08S	17E	Duchesne	7/21/98	

WELL 1 COMMENTS: Spud well on 7/21/98 @ 10:30 am w/ Leon Ross.  
entity added 9.11.98 (Greater Boundary (NR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32058	TAR SANDS FED 15-29-8-17	SW/SE	29	08S	17E	Duchesne	7/23/98	

WELL 2 COMMENTS: Spud well w/ Leon Ross on 7/23/98 @ 9:30 am.  
entity added 9.11.98 (Greater Boundary (NR) unit) KDR

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	12456	43-013-32078	CASTLE DRAW 8-9-9-17	SE/NE	9	09S	17E	Duchesne	7/30/98	

WELL 3 COMMENTS: Spud well w/ Union #7 on 7/30/98 @ 12:00 pm.  
entity added 9.11.98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32059	TAR SANDS FED 14-29-8-17	SE/SW	29	08S	17E	Duchesne	8/6/98	

WELL 4 COMMENTS: Spud well w/ Leon Ross @ 11:30 am, 8/6/98  
entity added 9.11.98 (Greater Boundary (NR) unit) KDR

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	12457	43-013-32075	CASTLE DRAW 6-4-9-17	SE/NW	4	09S	17E	Duchesne	8/17/98	

WELL 5 COMMENTS: Spud well w/ Union Rig #7 @ 12:15 pm, 8/17/98.  
entity added 9/11/98. KDR

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)

Shannon Smith  
Signature

Engineering Secretary 9/9/98  
Title Date

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

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

OPERATOR Inland Production Company  
 ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

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	12458	43-013-31034	TAR SANDS FED 10-33	NW/SE	33	09S	17E	Duchesne	8/15/98	

WELL 1 COMMENTS: Spud well w/ Union Rig #7 @ 11:00 pm, 8/15/98.  
 Entity added 9/11/98. KDR

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	12459	43-013-31047	SOUTH WELLS DRAW 13-10-9-16	SW/SE	10	09S	16E	Duchesne	8/15/98	

WELL 2 COMMENTS: Spud well w/ Union, Rig #14 @ 12:00 am, 8/15/98.  
 Entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32060	TAR SANDS FED 6-29-8-17	SE/NW	29	09S	17E	Duchesne	8/2/98	

WELL 3 COMMENTS: Spud well w/ Leon Ross @ 2:30 pm, 8/12/98.  
 Entity added 9-11-98 (greater boundary (GR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12419	43-013-32004	ASHLEY FED 16-1-9-15	SE/SE	1	09S	15E	Duchesne	8/24/98	

WELL 4 COMMENTS: Spud well w/ Union #14 @ 3:00 pm, 8/24/98.  
 Ashley unit entity added 9-11-98 (Ashley unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	99999	12460	43-013-32083	CASTLE DRAW 15-4-9-17	SW/SE	4	09S	17E	Duchesne	8/23/98	

WELL 5 COMMENTS: Spud well w/ Union #7 @ 2:00 pm, 8/23/98.  
 Entity added 9-11-98. KDR

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
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- 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.

Shannon Smith  
 Signature

Engineering Secretary 9/9/98  
 Title Date

OPERATOR Inland Production Company  
 ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12419	43-013-32003	Ashley Fed 15-1	SE/SE	1	09S	15E	Duchesne	9/1/98	

COMMENTS: Spud well @ 1:30 pm, 9/1/98 w/Union Rig #14  
 Ashley Unit Entity added 9.11.98 (Ashley unit) KDR

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	12401	43-013-32071	CASTLE DRAW 1-9-9-17	NE/NE	9	09S	17E	Duchesne	8/31/98	

COMMENTS: Spud well w/Union #7 @ 1:00 pm, 8/31/98  
 Entity added 9/11/98. KDR

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	12402	43-013-32077	CASTLE DRAW 8-4-9-17	SE/NE	4	09S	17E	Duchesne	9/8/98	

COMMENTS: Spud well w/ union #7 @ 1:00pm, 9/8/98.  
 Entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
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COMMENTS:

ACTION CODES (See instructions on back of form)

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Shannon Smith

Signature

Engineering Secretary

9/9/98

Title

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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5. Lease Designation and Serial No.  
**UTU-72107**

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

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

8. Well Name and No.  
**S. WELLS DRAW 13-10-9-16**

9. API Well No.  
**43-013-32047**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**610 FSL 632 FWL                      SW/SW Section 10, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Weekly Status</u>
	<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

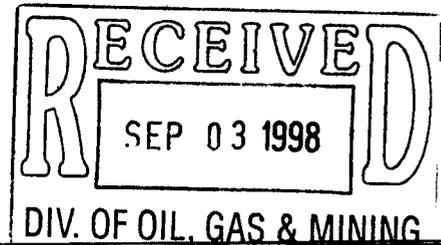
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**WEEKLY STATUS REPORT FOR THE PERIOD OF 8/21/98 - 8/27/98**

Drilled 7-7/8" hole w/Union, Rig #14 from 4260' - 5850'.

Run 5-1/2" GS, 1 jt 5-1/2" csg (42'), 5-1/2" FC, 136 jts 5-1/2", 15.5#, J-55, LT & C csg (5834'). Csg set @ 5843'. RD casers. RU BJ & circ. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/280 sx Premium Lite Modified (11.0 ppg 3.42 cf/sk yield) & 300 sx Class "G" w/10% A-10 & 10% salt (14.4 ppg 1.63 cf/sk yield). POB w/2200 psi, 12:08 am, 8/23/98. Had all dye & tr of gel to sfc. RD BJ. ND BOP's. Set slips. RD. Rig released @ 4:00 am, 8/23/98. RDMOL.



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

Signed Shawn Smith Title Engineering Secretary Date 8/28/98

(This space for Federal or State office use)

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

Conditions of approval, if any:  
**CC: UTAH DOGM**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
WORKOVER AND COMPLETION RECORD

OPERATOR: INLAND PRODUCTION COMPANY COMPANY REP: GARY DETTIS

WELL NAME: S. WELLS DRAW #13-10-9-16 API NO: 43-013-32047

SECTION: 10 TWP: 9S RANGE: 16E COUNTY: DUCHESNE

TYPE OF WELL: OIL: YES GAS: \_\_\_\_\_ WATER INJECTION: \_\_\_\_\_

STATUS PRIOR TO WORKOVER: DRILL HOLE

INSPECTOR: DENNIS L. INGRAM TIME: 11:30 AM DATE: 9/14/98

REASON FOR WORKOVER:

CHANGE OF LIFT SYSTEM: \_\_\_\_\_ PUMP CHANGE: \_\_\_\_\_ PARTED RODS: \_\_\_\_\_

CASING OR LINER REPAIR: \_\_\_\_\_ ACIDIZE: \_\_\_\_\_ COMPLETION: YES

TUBING CHANGE: \_\_\_\_\_ WELLBORE CLEANOUT: \_\_\_\_\_ WELL DEEPENED: \_\_\_\_\_

ENHANCED RECOVERY: \_\_\_\_\_ THIEF ZONE: \_\_\_\_\_ CHANGE ZONE: \_\_\_\_\_

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED: PIT TANK & 400 BBL.  
UPRIGHT

PIT: LINED \_\_\_\_\_ UNLINED Y FRAC TANK 3-400BOPE: NO H2S PRESENT: N

OPERATIONS AT THE TIME OF INSPECTION: TIH WITH TUBING

REMARKS:

ROSS WITH FLINT RIG ON WELL. THEY HAVE SHOT TWO SETS  
OF PERFS AND ARE PRESENTLY TIH TO CLEAN OUT AND SWAB.

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

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

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**S. WELLS DRAW 13-10-9-16**

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**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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**610 FSL 632 FWL                      SW/SW Section 10, T09S R16E**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

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

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

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

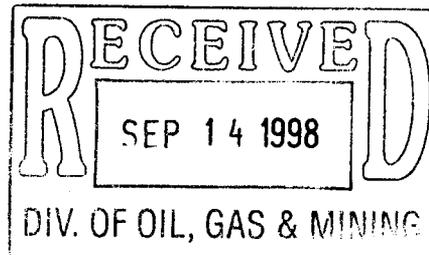
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 8/28/98 - 9/9/98**

Perf C/B sds @ 4836-40', 4933-36', 4958-64' & 4966-72'.

OIL AND GAS	
JRB	<input checked="" type="checkbox"/>
RJK	<input checked="" type="checkbox"/>
SLS	<input type="checkbox"/>
GLH	<input type="checkbox"/>
DTS	<input type="checkbox"/>
1 km H	<input checked="" type="checkbox"/>
3 CHD	<input checked="" type="checkbox"/>
MICROFILM	
4	<input checked="" type="checkbox"/>
FILE	

*drl*



14. I hereby certify that the foregoing

Signed She



Secretary \_\_\_\_\_

Date \_\_\_\_\_

9/10/98

(This space for Federal or State office use)

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

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-72107**

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

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

8. Well Name and No.  
**S. WELLS DRAW 13-10-9-16**

9. API Well No.  
**43-013-32047**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**610 FSL 632 FWL                      SW/SW Section 10, T09S R16E**

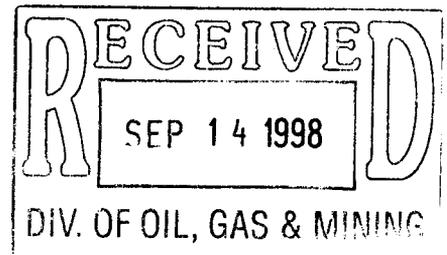
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Weekly Status</u>
	<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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 8/28/98 - 9/9/98**

Perf C/B sds @ 4836-40', 4933-36', 4958-64' & 4966-72'.



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Smith Title Engineering Secretary Date 9/10/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 13-10-9-16**

9. API Well No.

**43-013-32047**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

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

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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

**610 FSL 632 FWL SW/SW Section 10, T09S R16E**

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

**TYPE OF SUBMISSION**

<input type="checkbox"/> Notice of Intent
<input checked="" type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

**TYPE OF ACTION**

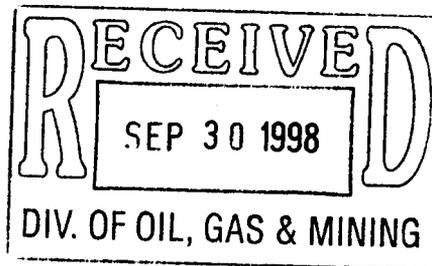
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other <u>Weekly Status</u>	<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 direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 9/10/98 - 9/23/98**

Perf PB sds @ 4416-28'.  
Swab well. Trip production tbg.  
Place well on production @ 12:30 pm, 9/16/98.



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

Signed Sharon Smith Title Engineering Secretary Date 9/28/98

(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**

5. LEASE DESIGNATION AND SERIAL NO.

UTU-72107

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WORK

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

1b. TYPE OF WELL

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

S. WELLS DRAW 13-10-9-16

2. NAME OF OPERATOR

INLAND RESOURCES INC.

9. API WELL NO.

43-013-32047

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

MONUMENT BUTTE

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

At Surface  
SW/SW

At top prod. Interval reported below 610' FSL 632' FWL

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

Section 10, T09S R16E

At total depth

14. PERMIT NO.

43-013-32047

DATE ISSUED

4/16/98

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPUNDED

8/15/98

16. DATE T.D. REACHED

8/22/98

17. DATE COMPL. (Ready to prod.)

9/16/98

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

5748' KB 5738' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5850'

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

5790'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

----->

X

CABLE TOOLS

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

Green River 4416' - 4972'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL/SP/GR/CAL - CN/CD/GR 11-23-98

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	303'	12-1/4	140 sx Class "G"	
5-1/2	15.5#	5843'	7-7/8	280 sx Premium Lite Modified	
				300 sx Class "G"	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	EOT @ 5053'	TA @ 4861'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
C/B 4826-40', 4933-36', 4958-64', 4966-72'	4 SPF	116 Holes
PB 4416-28'	4 SPF	48 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4826' - 4972'	112,100# 20/40 sd in 548 bbls Viking I-25
4416' - 4428'	8,220# 20/40 sd in 66 bbls Viking I-25

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
9/16/98	2-1/2" x 1-1/2" x 10' x 14' RHAC Pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave	9/1/98			12	86	2	7.17
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

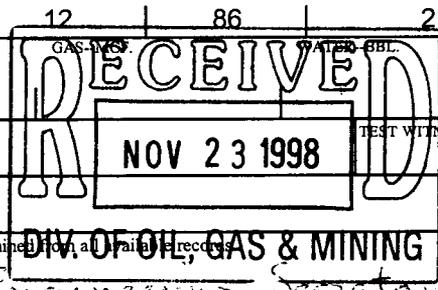
Logs In Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from a field record

SIGNED Shawnon Smith

TITLE Engineering Secretary

DATE 11/9/98

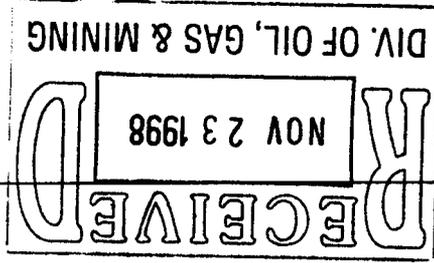


\*(See Instructions and Spaces for Additional Data on Reverse Side)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				NAME	TRUE VERT. DEPTH
Garden Gulch Mkr	3656'				
Garden Gulch 2	3979'				
Point 3 Mkr	4232'				
X Mkr	4502'				
Y-Mkr	4539'				
Douglas Creek Mkr	4656'				
BiCarbonate Mkr	4889'				
B Limestone Mkr	5010'				
Castle Peak	5508'				
Basal Carbonate	NDE				
Total Depth	5850'				

38. GEOLOGIC MARKERS



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No. <b>UTU-72107</b>
6. If Indian, Allottee or Tribe Name <b>NA</b>
7. If unit or CA, Agreement Designation
8. Well Name and No. <b>S. Wells Draw 13-10</b>
9. API Well No. <b>43-013-32047</b>
10. Field and Pool, or Exploratory Area <b>Monument Butte</b>
11. County or Parish, State <b>Duchesne</b>

*SUBMIT IN TRIPLICATE*

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other
2. Name of Operator <b>INLAND PRODUCTION COMPANY</b>
3. Address and Telephone No. <b>410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  <b>SWSW      610' fsl, 632 fwl      Sec. 10, T9S, R16E</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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)

Please see attached injection application.

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

Signed Joyce I. McGough Title Regulatory Specialist Date 1/24/01

**Joyce I. McGough**

(This space of Federal or State office use.)

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

Conditions of approval, if any:

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



January 24, 2001

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  
South Wells Draw #13-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #UTU-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the South Wells Draw #13-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw Unit.

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

Sincerely,

  
Bill Pennington  
Chief Executive Officer

BOARD APPROVAL  
7-16-01



January 24, 2001

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

RE: Permit Application for Water Injection Well  
South Wells Draw Fed #13-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #UTU-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Forsman:

Inland Production Company, as operator of the above referenced well, has requested to convert the above well from a producer to an injector. Enclosed for your review is a copy of the application filed with the State of Utah. Also enclosed is a copy of the sundry notice of intent.

Should you have any questions, please contact me or George Rooney at 303/893-0102.

Sincerely,

A handwritten signature in black ink that reads "Joyce McGough". The signature is written in a cursive, flowing style.

Joyce McGough  
Regulatory Specialist

Enclosures

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW FEDERAL #13-10-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**SOUTH WELLS DRAW UNIT**  
**LEASE #UTU-72107**  
**JANUARY 24, 2001**

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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 – S. WLLS DRAW FED #13-10-9-16
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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202

Well Name and number: South Wells Draw #13-10-9-16  
Field or Unit name: Monument Butte (Green River) S. Wells Draw Unit Lease No. UTU-72107  
Well Location: QQ SWSW section 10 township 9S range 16E county Duchesne

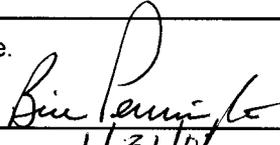
Is this application for expansion of an existing project? ..... Yes [  ] No [  ]  
Will the proposed well be used for: Enhanced Recovery? ..... Yes [  ] No [  ]  
Disposal? ..... Yes [  ] No [  ]  
Storage? ..... Yes [  ] No [  ]  
Is this application for a new well to be drilled? ..... Yes [  ] No [  ]  
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes [  ] No [  ]  
Date of test: \_\_\_\_\_  
API number: 43-013-32047

Proposed injection interval: from 4416 to 4972  
Proposed maximum injection: rate 500 bpd pressure 1588 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: Bill Pennington Signature   
Title Chief Executive Officer Date 1/31/01  
Phone No. (303) 893-0102

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

Comments:

# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.(294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbbs to surf.

## PRODUCTION CASING

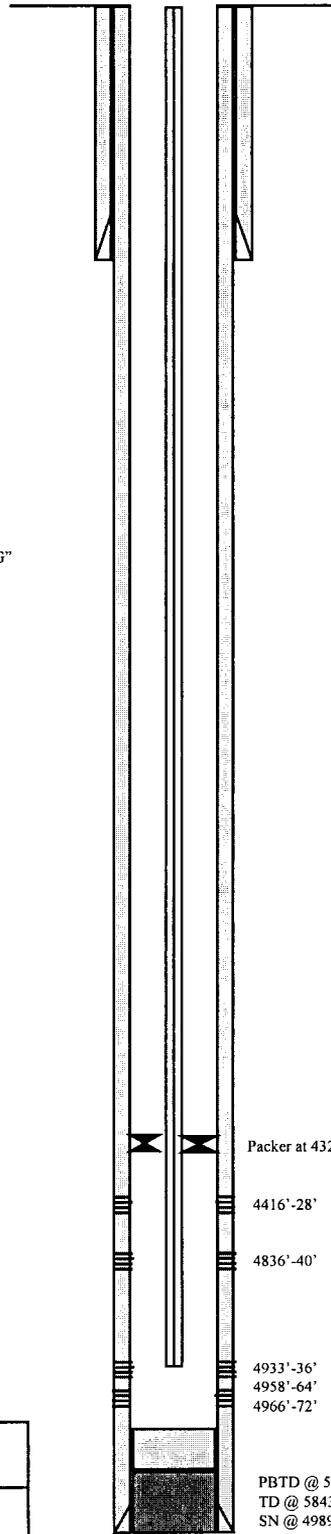
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

2907

## TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

## Proposed Injection Wellbore Diagram



Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

## FRAC JOB

9/11/98 4836'-4972' **Frac B-1 & B-2 sand as follows:**  
 112,100# 20/40 sand in 548 bbbs Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10 sand as follows:**  
 8,220# 20/40 sand in 66 bbbs Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

## PERFORATION RECORD

Date	Depth Range (KB)	Perforation Type	Holes
9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes



**Inland Resources Inc.**

**S. Wells Draw #13-10-9-16**

610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

## 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.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
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 S. Wells Draw Fed #13-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw 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 S. Wells Draw Federal #13-10-9-16 well, the proposed injection zone is from 4416'- 4972'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4656'.

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

The referenced log for the S. Wells Draw Fed #13-10-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water 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.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-72107) in the Monument Butte (Green River) Field, South Wells Draw 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 304' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5843' 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 1588 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 S. Wells Draw Fed #13-10-9-16, for proposed zones (4416' - 4972') calculates at 0.79 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 1588 psig. See Attachment G through 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 S. Wells Draw Fed #13-10-9-16, the injection zone (4416' - 4972') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is 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-7.

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.**

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

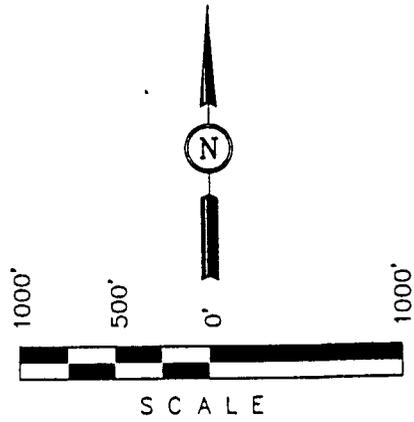
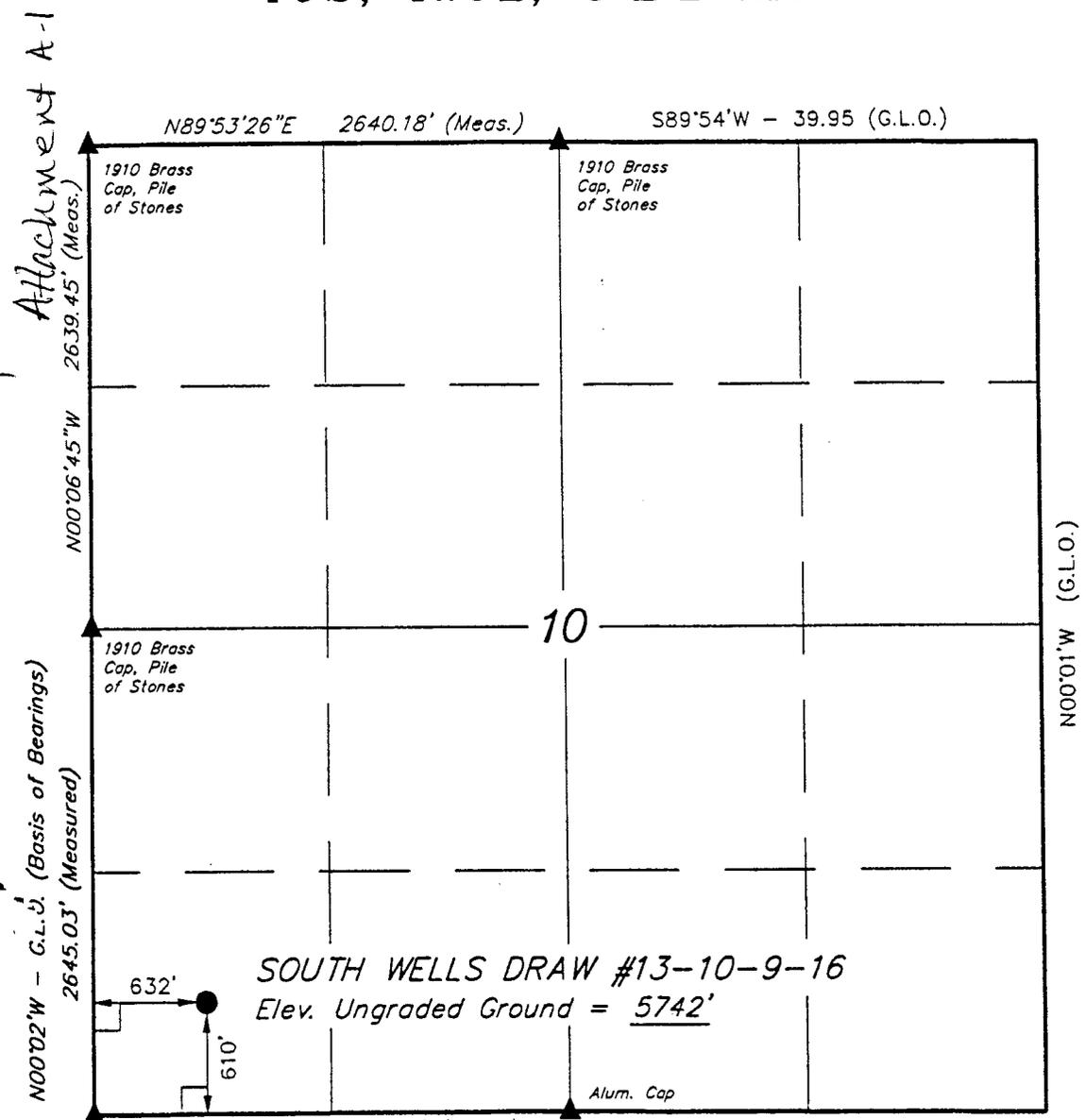


T9S, R16E, S.L.B.&M.

Well location, SOUTH WELLS DRAW #13-10-9-16, located as shown in the SW 1/4 SW 1/4 of Section 10, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

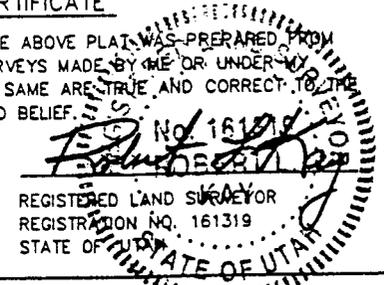
BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5747 FEET.



CERTIFICATE

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.



**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 1-2-98	DATE DRAWN: 1-13-98
PARTY K.K. J.F. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

# Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 16: All	ML-16532 HBP	Questar Exploration & Production Corp	(Surface Rights) STATE
2	<u>Township 9 South, Range 16 East</u> Section 10: S/2N/2, N/2S/2, S/2SW/4 Section 15: W/2W/2	UTU-72107 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 9: E/2SW/4, SE/4	UTU-40894 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 10: S/2SE/4 Section 15: E/2, E/2W/2	UTU-017985 HBP	Inland Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
S. Wells Draw Fed #13-10-9-16

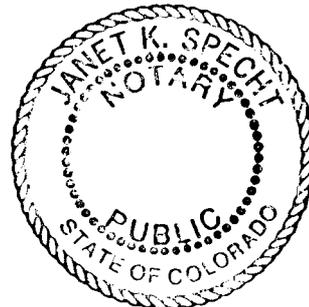
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Bill Pennington  
Inland Production Company  
Bill Pennington  
Chief Executive Officer

Sworn to and subscribed before me this 31 day of JANUARY, 2001.

Notary Public in and for the State of Colorado: Janet K. Specht

My Commission Expires: 7/14/01



# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 304'KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

*CBC*

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

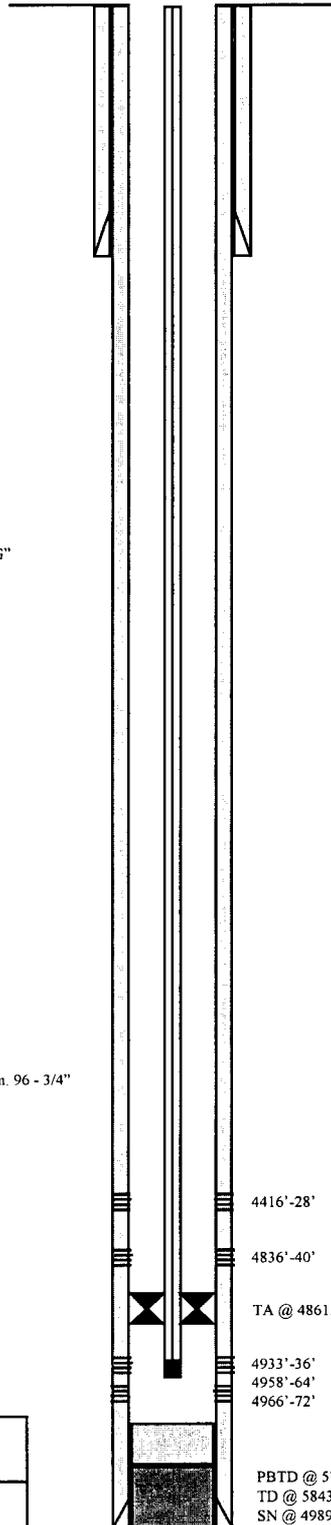
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 95 - 3/4" plain. 96 - 3/4" scraped, 1 - 8'x3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10 x 14' RHAC Pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR

**FRAC JOB**

9/11/98 4836'-4972' Frac B-1 & B-2 sand as follows:  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' Frac PB-10 sand as follows:  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes



**Inland Resources Inc.**

**S. Wells Draw #13-10-9-16**

610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

S. Wells Draw #5-10-9-16

Spud Date: 4-28-98  
 Put on Production:  
 GL: 5707.6' KB: 5717.6'

Initial Production: 74 BOPD,  
 79 MCFD, 3 BWPD

Wellbore Diagram

SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 7 jts @ 293'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 293'  
 CEMENT DATA: 120 sx Premium, est 8 bbls cmt to surface

PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5877'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5888'  
 CEMENT DATA: 350 sx Class C &  
 370 sx Class G  
 CEMENT TOP AT: surface

3902

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 182 jnts  
 TUBING ANCHOR: 5630'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH:  
 SN LANDED AT: 5664'  
 EOT: 5758'

LOGS: DIGL/SP/GR/CAL 5900'-300'  
 CD/CN/GR 5880'-3000'

SUCKER RODS

POLISH ROD: 1-1/2" x 22'  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 7 SPM  
 4-1 1/2" wt rods, 4-3/4" scraped, 122-3/4" plain,  
 96-3/4" scraped, 1-8', 1-4' x 3/4" pony

FRAC JOB

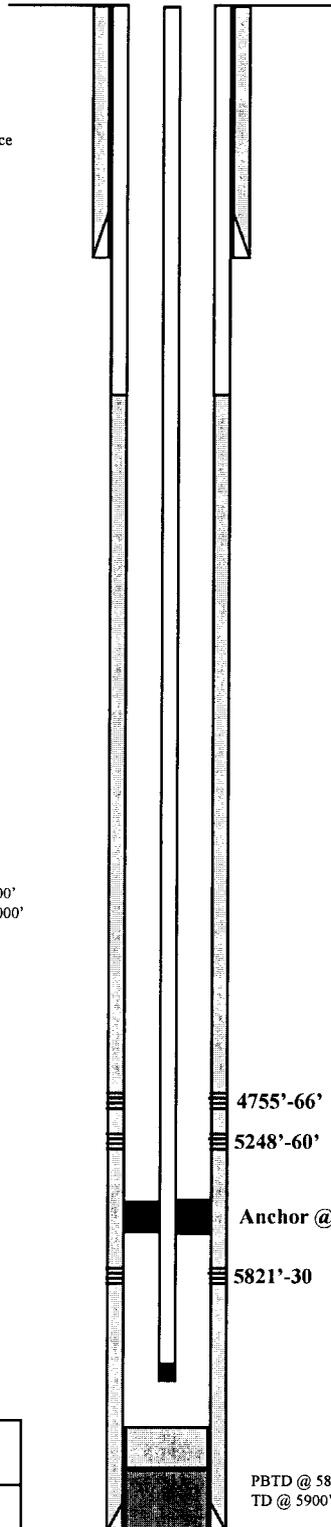
6-10-98 5821'-5830' **Frac CP sand as follows:**  
 111,300# 20/40 sand in 611 bbls Viking.  
 Perfs broke @ 4050 psi. Treated w/avg  
 press of 2235 psi w/avg rate of 28.3 BPM.  
 ISIP-2200 psi, 5 min 1650 psi. Flowback on  
 12/64" ck for 3 hrs & died.

6-12-98 5248'-5260' **Frac A sand as follows:**  
 95,420# 20/40 sand in 530 bbls Viking.  
 Perfs broke @ 3220psi. Treated w/avg press  
 of 1850 psi w/avg rate of 28.2 BPM. ISIP-  
 1890 psi, 5 min 1775 psi. Flowback on  
 12/64" ck for 4 hrs & died.

6-14-98 4755'-4766' **Frac D sand as follows:**  
 114,163# 20/40 sand in 521 bbls Viking.  
 Perfs broke @ 3070 psi. Treated w/avg  
 press of 2350 psi w/avg rate of 26.4 BPM.  
 ISIP-3870 psi, 5 min 2365 psi. Flowback on  
 12/64" ck for 3 hrs & died. Screened out.

PERFORATION RECORD

6-09-98 5821'-5830' 4 JSPF 36 holes  
 6-11-98 5248'-5260' 4 JSPF 48 holes  
 6-12-98 4755'-4766' 4 JSPF 44 holes



 Inland Resources Inc.  
**S. Wells Draw #5-10-9-16**  
 1980 FNL 660 FWL  
 Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31811; Lease #U-72107

# South Wells Draw #9-9-9-16

Spud Date: 5/20/98  
 Put on Production: 7/15/98  
 GL: 5736' KB: 5748'

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 311'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5830.81')  
 DEPTH LANDED: 5842.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx 28.72 POZ type III & 360 sk Class G  
 CEMENT TOP AT: 2907' CBL  
 2908

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
 NO. OF JOINTS: 169 jts.  
 TUBING ANCHOR: 5131'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5259'  
 SN LANDED AT: 5196'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 103-3/4" plain rods, 96-3/4" scraped  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 9.5 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

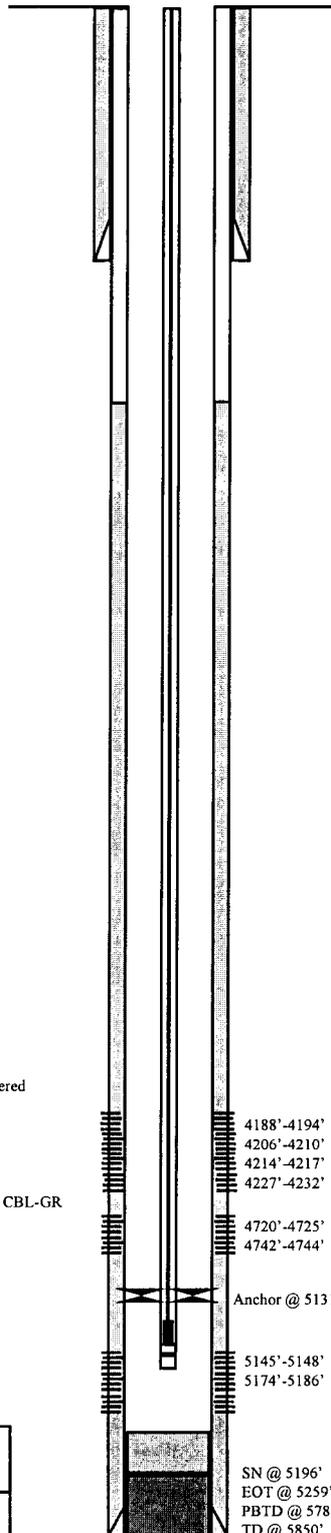
**FRAC JOB**

7/2/98 5145'-5186' **Frac A-3 sand as follows:**  
 101,290# 20/40 sand in 455 bbls Viking I-25 fluid. Perfs brokedown @ 2902 psi. Treated @ avg press of 3000 psi w/avg rate of 30 bpm. Due to rapidly increasing pressure, sand was cut @ blender @ 9.6#. Flushed 63 bbls before perfs locked up w/9.5 sand @ perfs. ISIP: 3600 psi, 5-min 2877 psi. Flowback on 12/64" choke for 2.5 hours and died.

7/7/98 5026'-5034' **Frac B-2 sand as follows:**  
 96,120# of 20/40 sand in 516 bbls Viking I-25 fluid. Perfs brokedown @ 3770 psi. Treated @ avg press of 1950 psi w/avg rate of 30 bpm. ISIP-2050 psi, 5-min 1915 psi. Flowback on 12/64" choke for 3.5 hours and died.

7/9/98 4720'-4744' **Frac D-1 sand as follows:**  
 88,475# 20/40 sand in 497 bbls Viking I-25 fluid. Perfs brokedown @ 3212 psi. Treated @ avg press of 2000 psi w/avg rate of 26 bpm. ISIP: 2340 psi, 5-min 2000 psi. Flowback on 12/64" choke for 4.5 hours and died.

7/11/98 4188'-4232' **Frac GB-4 sands as follows:**  
 93,342# of 20/40 sand in 587 bbls Viking I-25 fluid. Perfs brokedown @ 3100 psi. Treated @ avg press of 1600 psi w/avg rate of 26.4 bpm. ISIP-2116 psi, 5-min 1857 psi. Flowback on 12/64" choke for 2 hours and died.



**PERFORATION RECORD**

Date	Interval	Perforations	Holes
7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes

4188'-4194'  
 4206'-4210'  
 4214'-4217'  
 4227'-4232'  
 4720'-4725'  
 4742'-4744'  
 Anchor @ 5131'  
 5145'-5148'  
 5174'-5186'

SN @ 5196'  
 EOT @ 5259'  
 PBTD @ 5788'  
 TD @ 5850'



**Inland Resources Inc.**

**South Wells Draw #9-9-9-16**

2081' FSL 720' FEL

NESE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32043; Lease #U-40894

# South Wells Draw #12-10-9-16

Spud Date: 4/28/98  
 Put on Production: 6/5/98  
 GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
 287 MCFPD, 8 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (287')  
 DEPTH LANDED: 288'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5832')  
 DEPTH LANDED: 5843'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT: 1457' CBL

*2373*

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/N-80 tbg.  
 NO. OF JOINTS: 167 jts.  
 TUBING ANCHOR: 5148'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5277'  
 SN LANDED AT: 5214'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 95-3/4" scraped  
 PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

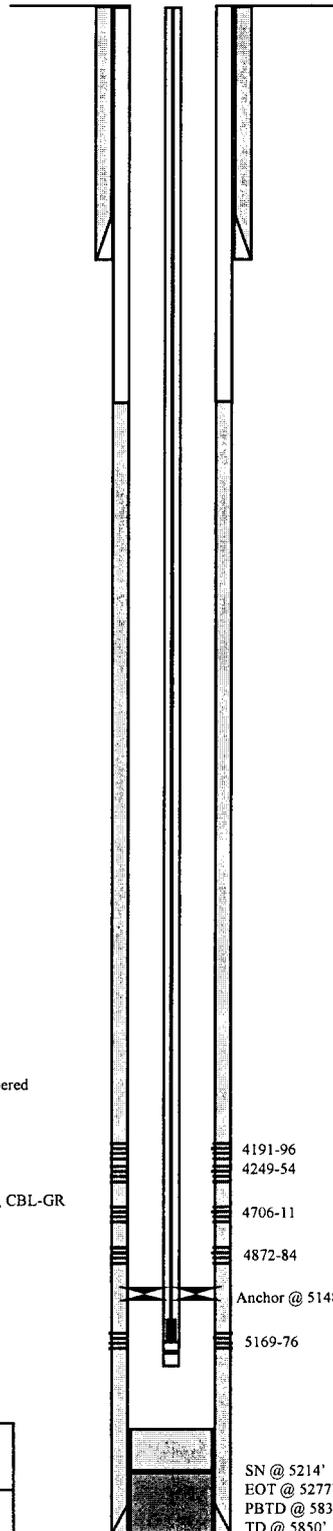
FRAC JOB

**5/26/98 5169'-5165'** **Frac A-3 sand as follows:**  
 104,640# 20/40 sand in 531 bbls Viking 1-25 fluid. Perfs brokedown @ 2960 psi. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi, 5-min 2476 psi. Flowback on 12/64" choke for 3 hours and died.

**5/28/98 4872'-4884'** **Frac C sand as follows:**  
 114,680# of 20/40 sand in 554 bbls Viking 1-25 fluid. Perfs brokedown @ 2670 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP-2900 psi, 5-min 2170 psi. Flowback on 12/64" choke for 3.5 hours and died.

**5/30/98 4706'-4711'** **Frac D-1 sand as follows:**  
 95,560# 20/40 sand in 503 bbls Viking 1-25 fluid. Perfs brokedown @ 3753 psi. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi, 5-min 2250 psi. Flowback on 12/64" choke for 3.5 hours and died.

**6/2/98 4191'-4254'** **Frac GB-4 & GB-6 sands as follows:**  
 111,500# of 20/40 sand in 506 bbls Viking 1-25 fluid. Perfs brokedown @ 3810 psi. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP-2250 psi, 5-min 1520 psi. Flowback on 12/64" choke for 3 hours and died.



PERFORATION RECORD

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes



**Inland Resources Inc.**

**South Wells Draw #12-10-9-16**

2130' FSL 629' FWL

NWSW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32046; Lease #UTU-72107

# South Wells Draw #11-10

Spud Date: 4/23/98  
 Put on Production: 6/3/98  
 GL: 5668' KB: 5680'

Initial Production: 124 BOPD,  
 132 MCFPD, 11 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293')  
 DEPTH LANDED: 293'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5815')  
 DEPTH LANDED: 5825'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
 CEMENT TOP AT: 1669' CBL

*3100*

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 6.5#/M-50 tbg.  
 NO. OF JOINTS: 168 jts.  
 TUBING ANCHOR: 5118'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5247'  
 SN LANDED AT: 5183'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 94-3/4" scraped  
 PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/21/98 5127'-5165' **Frac A-1 & A-3 sands as follows:**  
 97,420# 20/40 sand in 494 bbls Viking I-25 fluid. Perfs brokedown @ 3185 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 3000 psi, 5-min 2640 psi. Flowback on 12/64" choke for 4 hours and died.

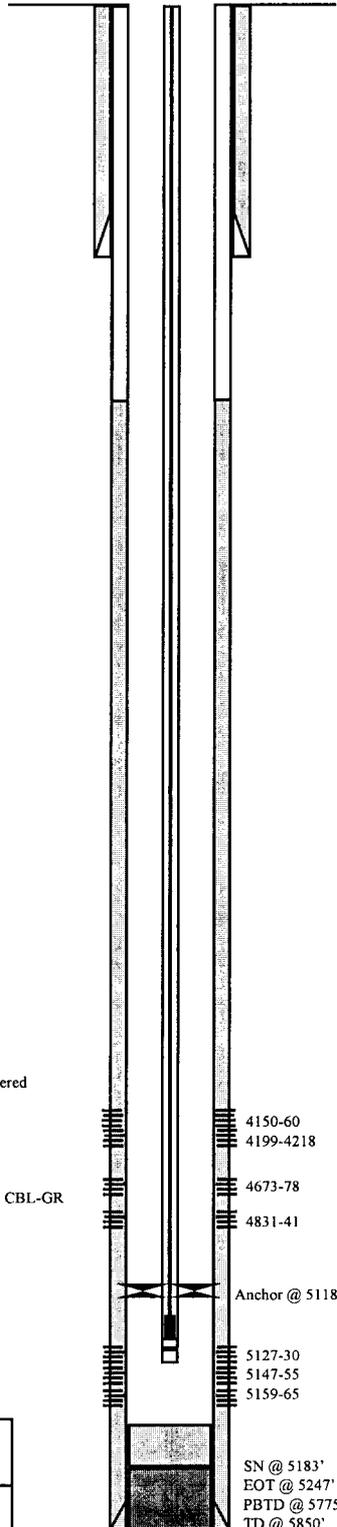
5/26/98 4831'-4841' **Frac C sand as follows:**  
 97,480# of 20/40 sand in 508 bbls Viking I-25 fluid. Perfs brokedown @ 2860 psi. Treated @ avg press of 2100 psi w/avg rate of 26 bpm. ISIP-2350 psi, 5-min 2230 psi. Flowback on 12/64" choke for 6 hours and died.

5/28/98 4673'-4678' **Frac D-1 sand as follows:**  
 88,960# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs brokedown @ 3447 psi. Treated @ avg press of 2350 psi w/avg rate of 24 bpm. ISIP: 2500 psi, 5-min 2130 psi. Flowback on 12/64" choke for 2 hours and died.

5/26/98 4831'-4841' **Frac GB-4 & GB-6 sands as follows:**  
 105,300# of 20/40 sand in 513 bbls Viking I-25 fluid. Perfs brokedown @ 3320 psi. Treated @ avg press of 1900 psi w/avg rate of 28 bpm. ISIP-2300 psi, 5-min 2180 psi. Flowback on 12/64" choke for 5 hours and died.

**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	4831'-4841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes





**Inland Resources Inc.**

**South Wells Draw #11-10**

1606' FSL 1898' FWL

NESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32045; Lease #UTU-72107

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

Spud Date: 5-4-98  
 Put on Production: 6-29-98  
 GL: 5757.4' KB: 5767.4'

Initial Production: 89 BOPD,  
 102 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 8 jts @ 292.44'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 292.94'  
 CEMENT DATA: 120 sx Premium Plus, est 6 bbls cmt to surface

**PRODUCTION CASING**

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5824'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5835'  
 CEMENT DATA: 360 sx 28-72 Poz &  
 375 sx Class G  
 CEMENT TOP AT: surface

*3610*

**TUBING RECORD**

SIZE/GRADE/AWT.: 2 7/8", J-55, 6.5 lbs  
 NO. OF JOINTS: 168 jnts  
 TUBING ANCHOR: 5207'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 5282'  
 SN LANDED AT: 5269'  
 EOT: 5333'

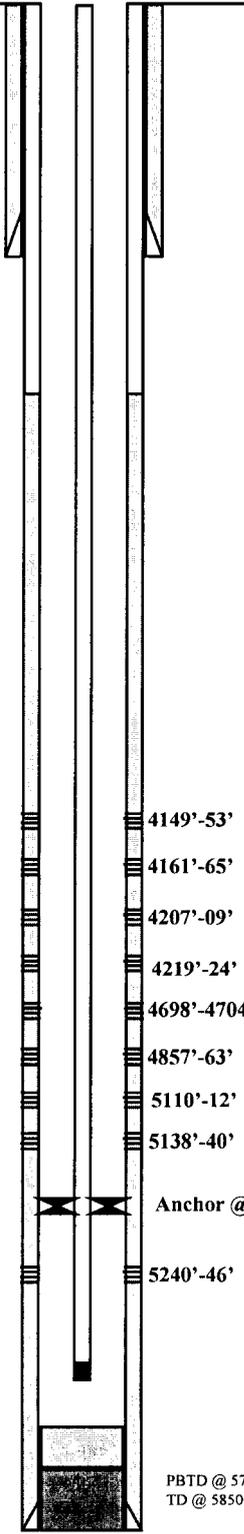
**SUCKER RODS**

1 - 22' x 1 1/2" Polished Rod (SM End)  
 4-11/2" wt rods, 107-3/4" plain, 95-3/4" scraped, 1-8", 1-4"x3/4" pony

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 6 SPM  
 LOGS: DIGL/SP/GR/CAL 5850'-302'  
 CN/CD/GR 5830'-3000'

**FRAC JOB**

- 6-19-98 5110'-5246' **Frac A/LDC sand as follows:**  
 77,000# 20/40 sand in 467 bbls Viking.  
 Perfs broke @ 3260 psi. ISIP-3740 psi,  
 5 min 3120 psi. Flowback on 12/64"  
 ck for 3 hrs & died.
- 6-21-98 4857'-4863' **Frac C sand as follows:**  
 54,400# 20/40 sand in 260 bbls Viking.  
 Perfs broke @ 2385 psi. Treated w/avg  
 press of 2000 psi w/avg rate of 29 BPM.  
 Screened out.
- 6-24-98 4698'-4704' **Frac D sand as follows:**  
 104,000# 20/40 sand in 436 bbls Viking.  
 Perfs broke @ 3520 psi. Treated w/avg  
 press of 2310 psi w/avg rate of 25.4 BPM.  
 ISIP-2310 psi, 5 min 2150 psi. Flowback  
 on 12/64" ck for 4 hrs & died.
- 6-26-98 4149'-4224' **Frac GB sand as follows:**  
 108,354# 20/40 sand in 646 bbls Viking.  
 Perfs broke @ 2710 psi. Treated w/avg  
 press of 1770 psi w/avg rate of 26 BPM.  
 ISIP-2350 psi, 5 min 2050 psi. Flowback  
 on 12/64" ck for 4 hrs & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
6-18-98	5110'-5112'	4 JSPF	8 holes
6-18-98	5138'-5140'	4 JSPF	8 holes
6-18-98	5240'-5246'	4 JSPF	8 holes
6-20-98	4857'-4863'	4 JSPF	8 holes
6-23-98	4698'-4704'	4 JSPF	24 holes
6-25-98	4149'-4153'	4 JSPF	16 holes
6-25-98	4161'-4165'	4 JSPF	16 holes
6-25-98	4207'-4209'	4 JSPF	8 holes
6-25-98	4219'-4224'	4 JSPF	20 holes

**Inland Resources Inc.**

**S. Wells Draw #16-9-9-16**

696 FSL 744 FEL

SESE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32044; Lease #U-40894

PBTD @ 5781'  
 TD @ 5850''

# Castle Peak Federal #24-10A

Spud: 5/20/82  
Put on production: 6/28/82

Elev.GR - 5702' GL  
Elev.KB - 5712'  
Spud: 5/20/82

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 32#  
LENGTH:  
DEPTH LANDED: 260' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 190 sks

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH:  
DEPTH LANDED: 5997' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 1165 sks  
  
CEMENT TOP AT: 1160' KB

**TUBING**

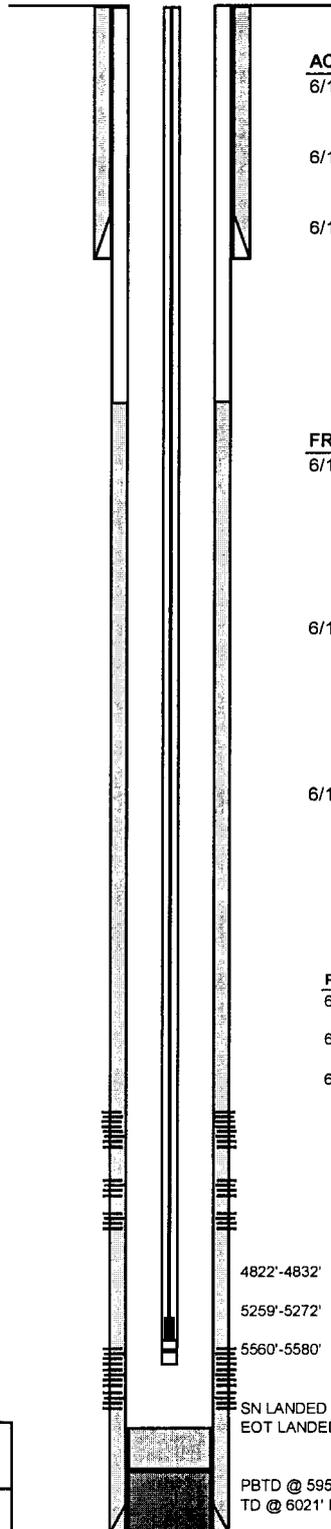
SIZE/GRADE/WT.: 2-3/8"  
NO. OF JOINTS:  
TUBING ANCHOR: Note: no pulling unit  
NO. OF JOINTS: records on file since the  
SEATING NIPPLE: initial completion!!!  
PERFORATED SUB:  
MUD ANCHOR:  
STRING LENGTH:  
SN LANDED AT: 4815' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 1-3/4"x4' Pony  
1-3/4"x6' Pony  
176-3/4"x25' Plain  
14-3/4"x25' Strapped Roc  
1-3/4"x2' Pony  
TOTAL STRING LENGTH: 4784'

PUMP NUMBER:  
PUMP SIZE: 1-1/2"x2"x16' RWBC

STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT:  
PRIME MOVER:



**ACID JOB /BREAKDOWN**

Date	Depth Range	Details
6/10/82	5560'-5580'	Dowell: 1000 gal 7-1/2% HCL.
6/11/82	5259'-5272'	Dowell: 1000 gal 7-1/2% HCL.
6/12/82	4822'-4832'	Dowell: 1000 gal 7-1/2% HCL.

**FRAC JOB**

Date	Depth Range	Details
6/10/82	5560'-5580'	Dowell: 24,000 gal YF4SPD fluid w/ 33,000# 20/40 sand, 12,000# 10/20 sand. ATP=1450 psi, ATR=12 bpm, ISIP=1700 psi, 15 min=1600 psi, 20 min=1600 psi.
6/11/82	5259'-5272'	Dowell: 20,580 gal YF4SPD fluid w/ 29,000# 20/40 sand, 6,320# 10/20 sand. ATP=2100 psi, ATR=10 bpm, ISIP=3800 psi, 15 min=2300 psi, 20 min=2200 psi.
6/12/82	4822'-4832'	Dowell: 9,582 gal YF4SPD fluid w/ 9,328# 20/40 sand. ATP=1950 psi, ATR=10 bpm, ISIP=3400 psi, 15 min=3100 psi, 20 min=3100 psi.

**PERFORATION RECORD**

Date	Depth Range	Details
6/9/82	5560'-5580'	2 SPF
6/11/82	5259'-5272'	2 SPF
6/12/82	4822'-4832'	2 SPF

4822'-4832'  
5259'-5272'  
5560'-5580'  
SN LANDED @ 4815' KB  
EOT LANDED @ ' KB  
PBD @ 5959' KB  
TD @ 6021' KB



**Inland Resources Inc.**

Castle Peak Federal #24-10A  
Monument Butte  
U-017985  
SE SW Section 10, T9S, R16E  
660' FSL, 1980' FWL  
Duchesne County, Utah

# Balcron Monument Federal #34-10J

Attachment E-7

## Wellbore Diagram

Put on production 2/15.94

Elev. Gr @ 5716'  
 Elev. @KB 5726' (10' KB)  
 Spud: 1/13/94

### SURFACE CASING

8-5/8", 24#, J-55  
 Length @ 266.87'  
 Hole Size @ 12-1/4"  
 Depth landed @ 274' KB  
 Cemented w 150 sxs Class Clas:  
 1/4#/sx Cel of lake  
 5 BBLs return.

### PRODUCTION CASING

5-1/2", K-55, 15.5#  
 Length @ 5836.04'  
 Depth landed @ 5832.04' KB  
 Cemented w 110 sxs H lift &  
 290 sxs Class "G"  
 Top of Cement @ 2735' from CB

UTAH CAUSE NO.: UIC-152

### TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT. (w 10' KB)
KB	10.00	
1) 146 jnts 2 7/8" tbg	4606.62	4616.62
2) 2 7/8" SN (2.25" ID)	1.10	4617.72
3) 5.5" Arrow Set-1 Pkr	7.00	4624.72
End of Tubing		4624.72

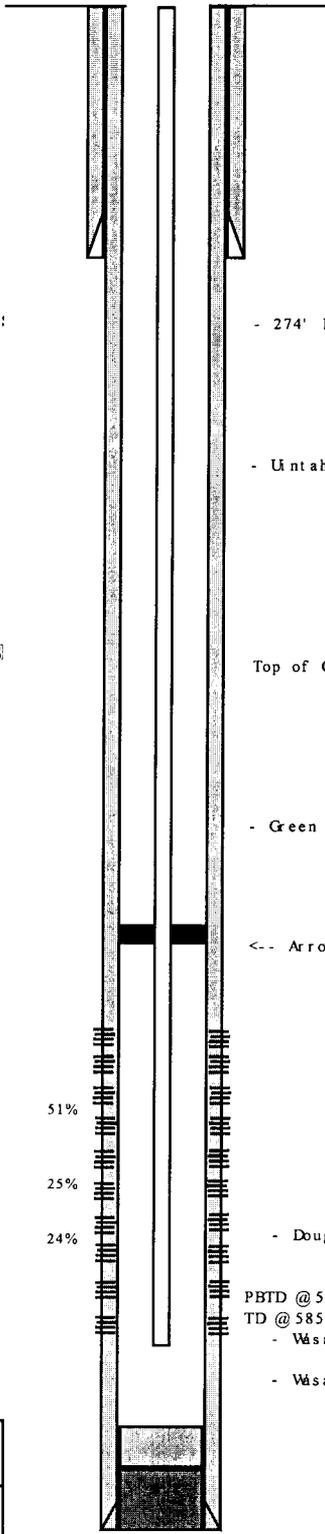
Injection Packers Set 10-5-94 By Mn States.

2 7/8" SN ID @ 2.25"  
 Arrow Set-1 Pkr set w 16" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83  
 w 60 STBW

### Injection Horizons

4700' - 4711' (11')	RED 1
4865' - 4872' (7')	RED 5
5015' - 5019' (4')	GREEN 1

Tracer Survey ran 12-22-94



- 274' KB

- Utah Formation @ Surface to 1400'.

Top of Cement @ 2735' KB from CBL.

- Green River Formation @ 1400' to 4100'

<- Arrow Set-1 Packer @ 4625' KB

### PERFORATION RECORD

4700' - 11' (2 SPF)	RED 1
4865' - 72' (1 SPF)	RED 5
5015' - 19' (2 SPF)	GREEN 1

- Douglas Creek Member @ 4100' to 5350'

PBT @ 5787.54' KB

TD @ 5850' KB

- Wasatch Formation Transition @ 5350' to 6000'

- Wasatch Formation @ 6000'



Inland Resources Inc.

BALCRON MONUMENT FEDERAL #34-10J  
 SWSE Section 10, T9S, R16E  
 592' FSL & 1979' FEL  
 Jonah Unit/Monument Butte Field  
 Lease No. U-017985  
 Duchesne County, Utah

**ATTACHMENT F  
WATER ANALYSIS**

WE WERE UNABLE TO DO A WATER ANALYSIS – THE TANKS HAD BEEN DRAINED. WE WILL SEND YOU A WATER ANALYSIS AS SOON AS ONE CAN BE DONE.

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

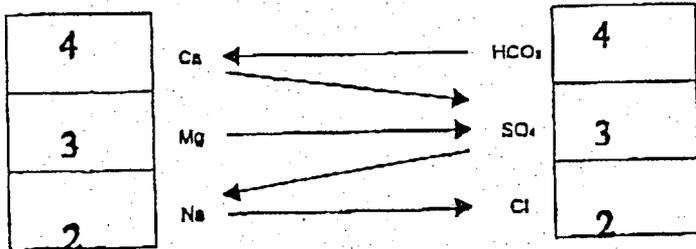
## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00  
Source JOHNSON Data Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l	
1. PH	<u>7.4</u>			
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>			
3. Specific Gravity	<u>1.001</u>			
4. Dissolved Solids		<u>600</u>		
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	+ 30 <u>0</u>	CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>240</u>	+ 61 <u>4</u>	HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u>	OH
8. Chlorides (Cl)		Cl <u>71</u>	+ 35.5 <u>2</u>	Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>130</u>	+ 48 <u>3</u>	SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>72</u>	+ 20 <u>4</u>	Ca
11. Magnesium (Mg)		Mg <u>41</u>	+ 12.2 <u>3</u>	Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>350</u>		
13. Total Iron (Fe)		<u>0.6</u>		
14. Manganese				
15. Phosphate Residuals				

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Eqvly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	11.04	<u>4</u>			<u>324</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19	<u>3</u>			<u>181</u>
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,080 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F-2

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

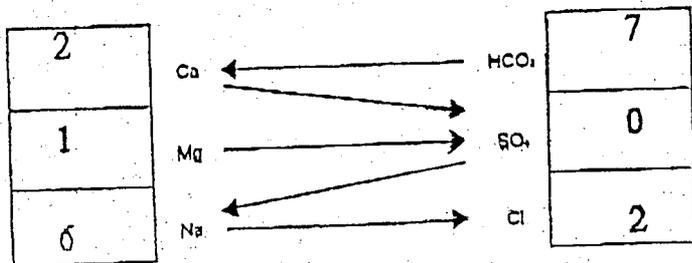
## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 8-25-99  
Source MBIF Date Sampled 8-25-99 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mag/l
1. PH	8.0		
2. H <sub>2</sub> S (Qualitative)	0		
3. Specific Gravity	1.001		
4. Dissolved Solids		688	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> 0	+ 30 0 CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> 430	+ 61 7 HCO <sub>3</sub>
7. Hydroxyl (OH)		OH 0	+ 17 0 OH
8. Chlorides (Cl)		Cl 71	+ 35.5 2 Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> 0	+ 48 0 SO <sub>4</sub>
10. Calcium (Ca)		Ca 40	+ 20 2 Ca
11. Magnesium (Mg)		MG 12	+ 12.2 1 Mg
12. Total Hardness (CaCO <sub>3</sub> )		150	
13. Total Iron (Fe)		13	
14. Manganese		0	
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Saturation Values  
CaCO<sub>3</sub>  
CaSO<sub>4</sub> · 2H<sub>2</sub>O  
MgCO<sub>3</sub>

Distilled Water 20°C  
13 Mg/l  
2,090 Mg/l  
103 Mg/l

Compound	Eqvly. Wt.	X	Mgd/l	=	Mgd/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	2			162
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50	1			73
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	4			336
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	2			117

REMARKS \_\_\_\_\_

**Attachment "G"**

**South Wells Draw Federal #13-10-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth	ISIP	Calculated Frac Gradient	Pmax
Top	Bottom	(feet)	(psi)	(psi/ft)	
4836	4840	4838	2300	0.91	2289
4933	4936	4935	2300	0.90	2289
4958	4964	4961	2300	0.90	2288
4966	4972	4969	2300	0.90	2288
4416	4428	4422	1600	0.79	1588
				<b>Minimum</b>	<u>1588</u>



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

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



Attachment G-1

### Daily Completion Report

**S. WELLS DRAW 13-10-9-16**  
SW/SW Section 10, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32047

Spud Date: 8/15/98  
MIRU Drl Rig: 8/15/98, Union #14  
TD: 5850'  
Completion Rig: Flint #4357

**9/9/98 PO: Perf & break down C&B sds. (Day 1)**

Summary: 9/8/98 – CP: 0. MIRU Flint #4357. NU BOP. PU & TIH w/4-3/4" bit, 5-1/2" csg scraper, 186 jts 2-7/8" 8rd 6.5# M-50 tbg. Tag PBTB @ 5790'. Press test csg & BOP to 3000 psi. TOH w/tbg. LD bit & scraper. SIFN.  
DC: \$21,279 TWC: \$174,563

**9/10/98 PO: Frac C/B sds. (Day 2)**

Summary: 9/9/98 – CP: 0. RU Schlumberger & perf C/B sds @ 4836-40', 4933-36', 4958-64' & 4966-72' w/4 jspf. TIH w/5-1/2" RTTS pkr & tbg. Set pkr @ 4886'. Break dn perms 4933' through 4972' @ 3200 psi. Get IR of 1 BPM @ 1400 psi. Break dn perms 4836-40' @ 3400 psi. Get IR of 1 BPM @ 1600 psi. Lost 2 BW. Release pkr. Pull OET to 4830'. IFL @ sfc. Made 11 swab runs, rec 101 BTF w/tr oil & gas. FFL @ 4600'. SIFN.  
DC: \$3,743 TWC: \$178,306

**9/11/98 PO: Perf PB sds. PU & frac tbg & pkr. (Day 3)**

Summary: 9/10/98 – TP: 50, CP: 50. Bleed gas off well. IFL @ 4200'. Made 2 swab runs, rec 7 BTF w/tr oil. FFL @ 4600'. TOH w/tbg. NU isolation tool. RU BJ Services & frac C/B sds w/112,100# 20/40 sd in 548 bbls Viking I-25 fluid. Perfs broke back @ 3118 psi @ 21 BPM. Treated @ ave press of 2080 psi w/ave rate of 30.4 BPM. ISIP: 2300 psi, 5 min: 2180 psi. Flowback on 12/64 choke for 3-1/2 hrs & died. Rec 170 BTF (est 31% of load). SIFN w/est 378 BWTR.  
DC: \$24,259 TWC: \$202,565

**9/12/98 PO: Frac PB sds dn tbg. (Day 4)**

Summary: 9/11/98 – CP: 250. Bleed off est 8 bbls frac fluid. TIH w/5-1/2" RBP & tbg. Set plug @ 4603'. Press test plug to 3000 psi. Swab FL dn to 3900'. Rec 84 BTF. TOH w/tbg. RU Schlumberger & perf PB sds @ 4416-28' w/4 jspf. PU & TIH w/5-1/2" RTTS pkr & 136 jts 2-7/8 8rd 6.5# L-80 tbg. Set pkr @ 4280'. RU swab equipment. IFL @ 3900'. Made 1 swab run, rec 1 BTF. FFL @ 4200'. SIFN w/est 285 BWTR.  
DC: \$4,890 TWC: \$207,455

**9/13/98 PO: LD frac string & pkr. Pull plug. CO PBTB. Swab. (Day 5)**

Summary: 9/12/98 – TP: 250, CP: 0. Bleed gas off tbg. IFL @ 4100'. Made 1 dry swab run. Fill csg w/61 BW. RU BJ Services to tbg & frac PB sds w/8,220# 20/40 sd in 66 bbls Viking I-25 fluid. Perfs broke dn @ 3990 psi. Treated @ ave press of 2220 psi w/ave rate of 12.6 BPM. ISIP: 1600 psi, 5 min: 1485 psi. Flowback on 12/64 choke for 1 hr & died. Rec 45 BTF (est 68% of load). SIFN w/est 367 BWTR.  
DC: \$11,960 TWC: \$219,415

**9/14/98 SD for Sunday.**

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 189' plug from 4833'-5022' with 25 sx Class "G" cement.
2. Plug #2 Set 154' plug from 4736'-4890' with 20 sx Class "G" cement.
3. Plug #3 Set 162' plug from 4316'-4478' with 20 sx Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
5. Plug #5 Set 100' plug from 254'-354' (50' on either side of casing shoe) with 15 sx Class "G" cement.
6. Plug #6 Set 50' plug from surface with 10 sx Class "G" cement.
7. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 304' to surface.

The approximate cost to plug and abandon this well is \$18,000.

S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

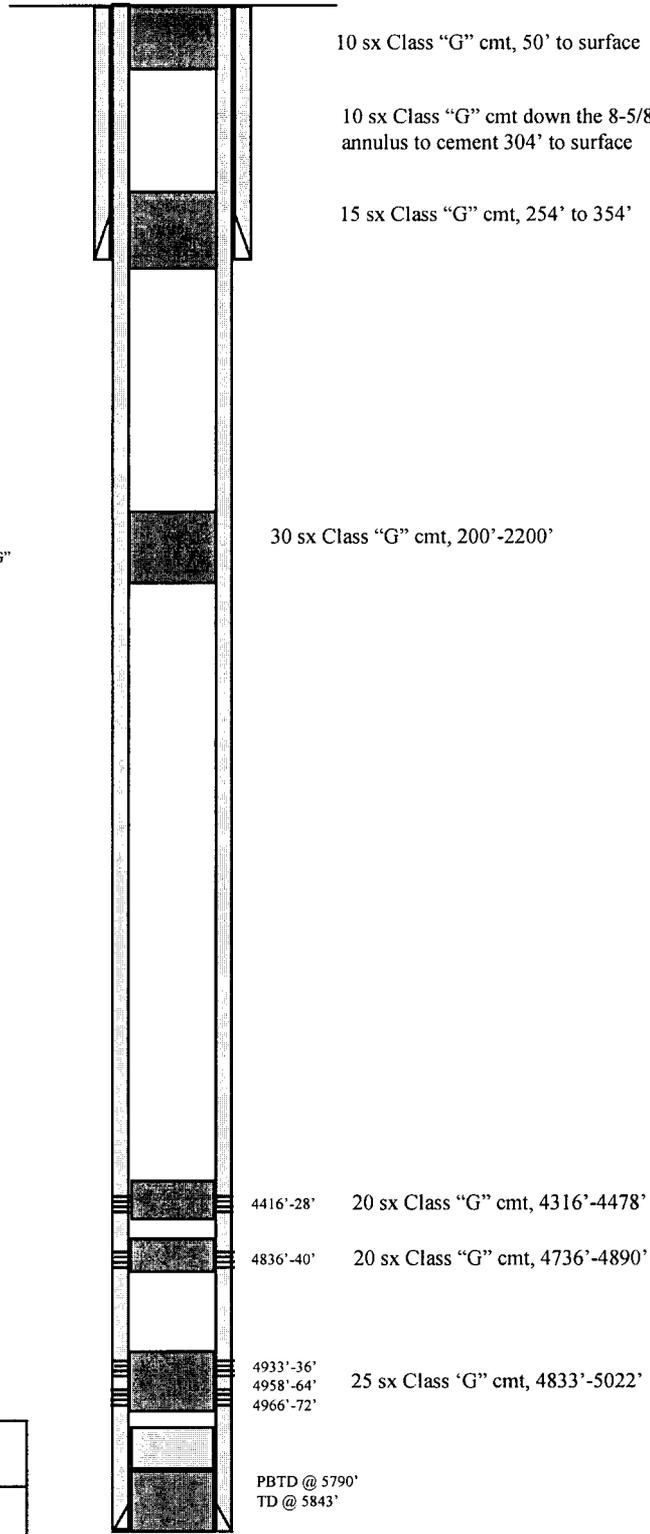
SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbbs to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

Proposed P & A Wellbore Diagram



**Inland Resources Inc.**  
 S. Wells Draw #13-10-9-16  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** South Wells Draw 13-10-9-16

**Location:** 10/9S/16E      **API:** 43-013-32047

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the South Wells Draw Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah(SITLA). The Federal Government and SITLA are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the South Wells Draw Unit. Inland 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 304 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5843 feet and has a cement top at 2907'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4322 feet. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells in the area of review. All of the wells have 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 1700 feet. Injection shall be limited to the interval between 4416 feet and 4972 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 13-10-9-16 well is .79 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1588 psig. The requested maximum pressure is 1588 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.

**South Wells Draw 13-10-9-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the South Wells Draw Unit July 16, 2001. 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 06/12/2001



## 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



# 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

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

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004

Corporations Section

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.**

**Unit:**

**SOUTH WELLS DRAW (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
S WELLS DRAW 15-34-8-16	34	080S	160E	4301331670	13269	Federal	WI	A
CASTLE PEAK 1-3	03	090S	160E	4301330639	13269	Federal	WI	A
S WELLS DRAW 4-3-9-16	03	090S	160E	4301332096	13269	Federal	OW	P
BALCRON MON FED 14-4	04	090S	160E	4301331666	13269	Federal	WI	A
MON FED 13-4-9-16	04	090S	160E	4301331716	13269	Federal	OW	P
CASTLE PEAK 9R	05	090S	160E	4301315787	99998	Federal	NA	PA
MON FED 41-8-9-16	08	090S	160E	4301331619	13269	Federal	WI	A
MON FED 31-8-9-16	08	090S	160E	4301331721	13269	Federal	OW	P
FEDERAL 21-9Y	09	090S	160E	4301331396	13269	Federal	WI	A
MON FED 11-9-9-16	09	090S	160E	4301331618	13269	Federal	OW	P
S WELLS DRAW 9-9-9-16	09	090S	160E	4301332043	13269	Federal	WI	A
S WELLS DRAW 16-9-9-16	09	090S	160E	4301332044	13269	Federal	OW	P
CASTLE PK FED 24-10A	10	090S	160E	4301330555	13269	Federal	OW	P
MON FED 33-10-9-16	10	090S	160E	4301331722	13269	Federal	OW	P
MON FED 43-10-9-16	10	090S	160E	4301331723	13269	Federal	WI	A
S WELLS DRAW 2-10-9-16	10	090S	160E	4301331774	13269	Federal	OW	P
S WELLS DRAW 5-10-9-16	10	090S	160E	4301331811	13269	Federal	WI	A
S WELLS DRAW 6-10-9-16	10	090S	160E	4301332041	13269	Federal	OW	P
S WELLS DRAW 7-10-9-16	10	090S	160E	4301332042	13269	Federal	WI	A
S WELLS DRAW 11-10-9-16	10	090S	160E	4301332045	13269	Federal	WI	A
S WELLS DRAW 12-10-9-16	10	090S	160E	4301332046	13269	Federal	OW	P
S WELLS DRAW 13-10-9-16	10	090S	160E	4301332047	13269	Federal	OW	S

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. 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\*

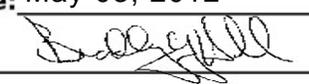
The Division sent response by letter on: n/a

**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		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72107
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 13-10-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013320470000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0610 FSL 0632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/10/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 04/06/2012. On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> May 03, 2012</p> <p><b>By:</b> </p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/13/2012	

# Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 4/10/12 Time 11:00 am pm  
Test Conducted by: Trent Horrocks  
Others Present: \_\_\_\_\_

Well: South Wells Draw 13-10-9-16 Field: Monument Butte  
Well Location: SWD 13-10-9-16 API No: 43-013-32047  
SW1SW Sec. 10 T9S R16E Dsch. Conty. UT.

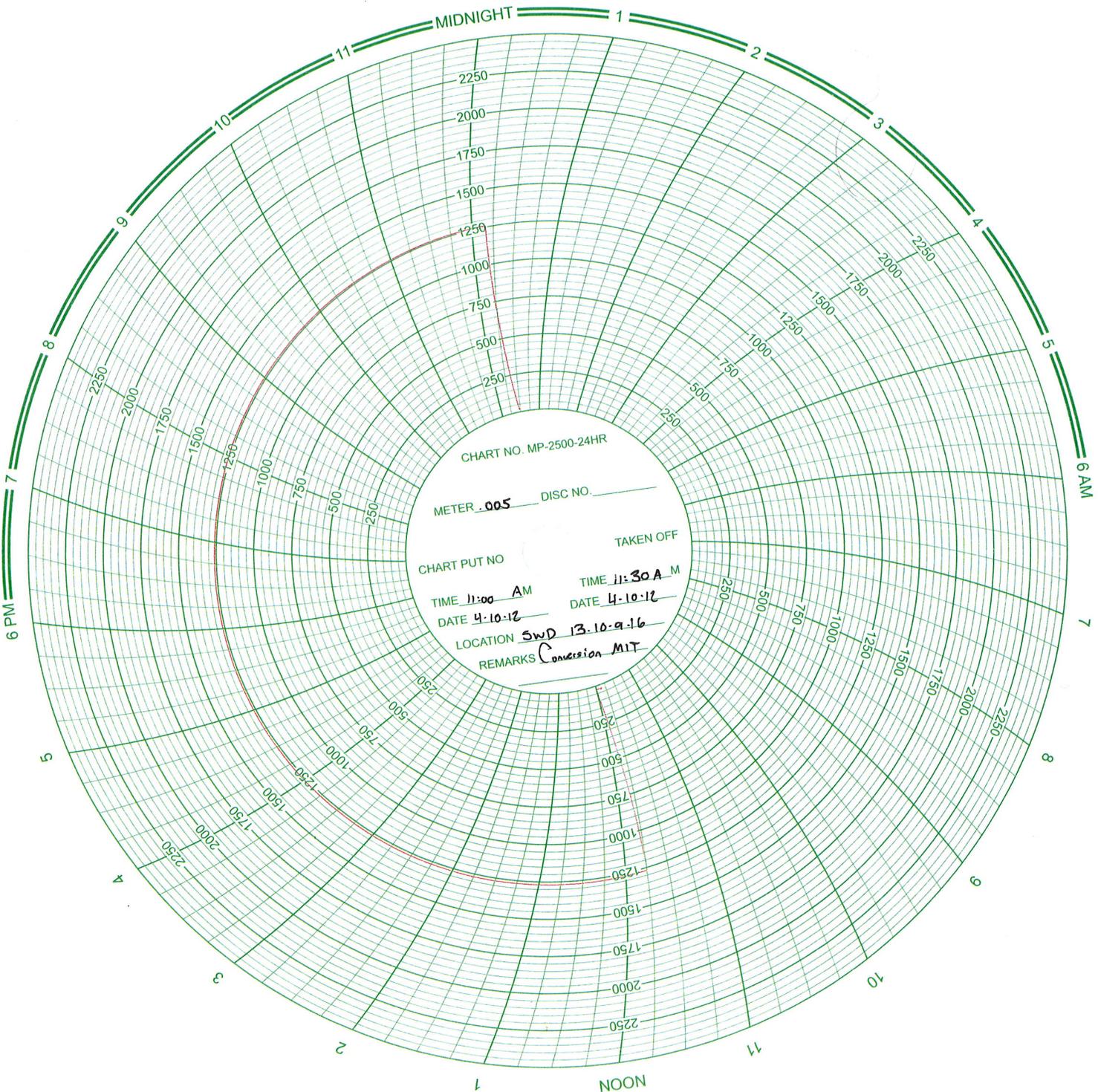
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1250</u>	psig
5	<u>1250</u>	psig
10	<u>1250</u>	psig
15	<u>1250</u>	psig
20	<u>1250</u>	psig
25	<u>1250</u>	psig
30 min	<u>1250</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 50 psig

Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Trent Horrocks



		<b>Daily Workover Report</b>		Well Name: <b>S WELLS DRW 13-10-9-16</b>	
		INJCNV		AFE: 26432	
				Report Date: 4/6/12	
				Operation: <b>MIRU POOH W/ Tbg &amp; Rods</b>	
Field:	GMBU CTB5	Rig Name:		Work Performed:	4/5/2012
Location:	S10 T9S R16E	Supervisor:	Rocky mecham	Day:	1
County:	DUCHESNE	Phone:	435- 238-3146	Daily Cost:	\$74,140
State:	UT	Email:	Rmecham@newfield.com	Cum DWR:	\$74,140
Reason for Workover:					
24 Hr Summary:	MIRU POOH w/ Rods & Tbg				
24 Hr Plan Forward:	Finish Trip & Green Dope Tbg. Set PKR. Press Test				
Incidents:	None	Newfield Pers:	1	Contract Pers:	5
Conditions: Windy					
Critical Comments					
Activity Summary					
0 Hr(s): P : Safety Meeting. JSA. Ck press 1200psi. Bled down well RU Hot Oiler pump 60 bbls down csg. Unseat pump flush Rods w/ 40 bbls, seat pump press test Tbg 3000psi (Good Test) POOH & LD Rods & Pump on Trailer. Flush Tbg w/ 40 bbls. Release TAC. NU Bops.RD Floor RIH Sandline Tag PBTD @ 5790' POOH RD sandline. TOOH w/ 32 jts 2-7/8 Tbg. SWIFN					
Failures					
Failure Date					
Failure 1					
Failure 2					
Failure 3					
Failure 4					
Failure 5					
Contr. Factors					
Location					

		<b>Daily Workover Report</b>		Well Name: S WELLS DRW 13-10-9-16 AFE: 26432 Report Date: 4/9/12	
INJCNV			Operation: Trip Tbg Set PKR		
Field:	GMBU CTB5	Rig Name:		Work Performed:	4/6/2012
Location:	S10 T9S R16E	Supervisor:	Rocky mecham	Day:	2
County:	DUCHESNE	Phone:	435- 238-3146	Daily Cost:	\$6,558
State:	UT	Email:	Rmecham@newfield.com	Cum DWR:	\$80,698
Reason for Workover:					
24 Hr Summary:	Trip Tbg. Set PKR & Press Test				
24 Hr Plan Forward:	Ready For MIT				
Incidents:	None	Newfield Pers:	1	Contract Pers:	5
Conditions: Windy					
Critical Comments					
Activity Summary					
0 Hr(s); P : Safety meeting, JSA. Cont TOOH Breaking Collars w/ 107 jts. Flush Tbg w/ 30 bbls, LD 23 Extra Jts on trailer. PU & TIH w/ PKR & 131 jts 2-7/8 Tbg, pump 10 bbls pad, drop Svcriculate down w/ 15 bbls seat SV valve press test to 3000psi 30 min. (Good Test) RU Sand Line RIH retrieve SV RD Sand Line ND BOPs Pump 50 bbls PKR fuild Set PKR @ 4305.80 CE w/ 15000 tension. NU WH (Hole Full) Press test to 1400psi . ( Good Test) FINAL REPORT					
Failures					
Failure Date					
Failure 1					
Failure 2					
Failure 3					
Failure 4					
Failure 5					
Contr. Factors					
Location					

		<b>Final Daily Workover Report</b>		Well Name: S WELLS DRW 13-10-9-16 AFE: 26432	
INJCNV			Report Date: 4/12/12		
Operation: Conversion MIT					
Field:	GMBU CTB5	Rig Name:	Rigless	Work Performed:	4/10/2012
Location:	S10 T9S R16E	Supervisor:	Alfredo Rios	Day:	3
County:	DUCHESNE	Phone:	435-823-0173	Daily Cost:	\$31,820
State:	UT	Email:	arios@newfield.com	Cum DWR:	\$112,518
Reason for Workover: Conversion					
24 Hr Summary:	Conduct initial MIT				
24 Hr Plan Forward:	Wait for approval to commence injection				
Incidents:	None	Newfield Pers:	1	Contract Pers:	0
Conditions:					
Critical Comments					
Activity Summary					
11:00 - 11:30; 0.5 Hr(s); P : On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was a State representative available to witness the test - Chris Jensen.					
Failures					
Failure Date					
Failure 1					
Failure 2					
Failure 3					
Failure 4					
Failure 5					
Contr. Factors					
Location					

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72107	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well	
<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 13-10-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013320470000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	
<b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0610 FSL 0632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 09.0S Range: 16.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/25/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="PUT ON INJECTION"/>

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

The above reference well was put on injection at 9:30 AM on  
05/25/2012.

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

**Date:** June 04, 2012

**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> 5/25/2012	

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<i>SUBMIT IN TRIPLICATE</i>	5. Lease Designation and Serial No. UTU-72107
	6. If Indian, Allottee or Tribe Name NA
	7. If unit or CA, Agreement Designation
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	8. Well Name and No. S. Wells Draw 13-10
2. Name of Operator <b>INLAND PRODUCTION COMPANY</b>	9. API Well No. 43-013-32047
3. Address and Telephone No. <b>410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102</b>	10. Field and Pool, or Exploratory Area Monument Butte
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  SWSW    610' fsl, 632 fwl    Sec. 10, T9S, R16E	11. County or Parish, State Duchesne

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent  <input type="checkbox"/> Subsequent Report  <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-off <input checked="" 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)

Please see attached injection application.

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

Signed Joyce I. McGough Title Regulatory Specialist Date 1/24/01

**Joyce I. McGough**

(This space of Federal or State office use.)

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

Conditions of approval, if any:

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



RECEIVED  
FEB 05 2001  
DIVISION OF  
OIL, GAS AND MINING

January 24, 2001

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

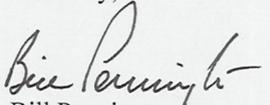
RE: Permit Application for Water Injection Well  
South Wells Draw #13-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #UTU-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the South Wells Draw #13-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw Unit.

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

Sincerely,

  
Bill Pennington  
Chief Executive Officer



January 24, 2001

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

RE: Permit Application for Water Injection Well  
South Wells Draw Fed #13-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #UTU-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Forsman:

Inland Production Company, as operator of the above referenced well, has requested to convert the above well from a producer to an injector. Enclosed for your review is a copy of the application filed with the State of Utah. Also enclosed is a copy of the sundry notice of intent.

Should you have any questions, please contact me or George Rooney at 303/893-0102.

Sincerely,

Joyce McGough  
Regulatory Specialist

Enclosures

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW FEDERAL #13-10-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**SOUTH WELLS DRAW UNIT**  
**LEASE #UTU-72107**  
**JANUARY 24, 2001**

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# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

## PRODUCTION CASING

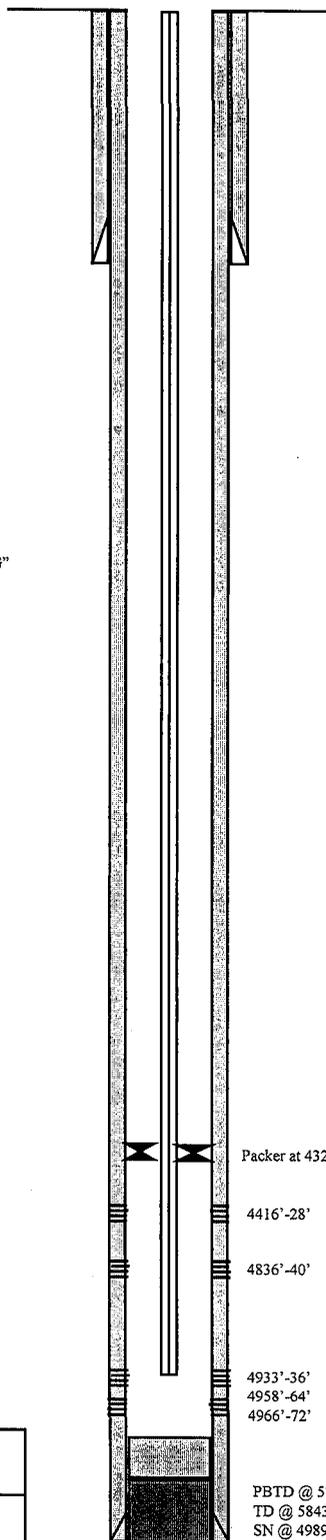
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

2907

## TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

9/11/98 4836'-4972' **Frac B-1 & B-2 sand as follows:**  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10 sand as follows:**  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

## PERFORATION RECORD

Date	Depth Range (KB)	Number of Holes	Perforation Type
9/9/98	4836'-4840'	4	JSPF 16 holes
9/9/98	4933'-4936'	4	JSPF 12 holes
9/9/98	4958'-4964'	4	JSPF 24 holes
9/9/98	4966'-4972'	4	JSPF 24 holes
9/9/98	4416'-4428'	4	JSPF 48 holes



**Inland Resources Inc.**

**S. Wells Draw #13-10-9-16**

610 FSL 632 FWL

SWSW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32047; Lease #UTU-72107

PBTD @ 5790'  
 TD @ 5843'  
 SN @ 4989'

## 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.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
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 S. Wells Draw Fed #13-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw 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 S. Wells Draw Federal #13-10-9-16 well, the proposed injection zone is from 4416'- 4972'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4656'.

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

The referenced log for the S. Wells Draw Fed #13-10-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water 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.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-72107) in the Monument Butte (Green River) Field, South Wells Draw 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 304' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5843' 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 1588 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 S. Wells Draw Fed #13-10-9-16, for proposed zones (4416' - 4972') calculates at 0.79 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 1588 psig. See Attachment G through 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 S. Wells Draw Fed #13-10-9-16, the injection zone (4416' - 4972') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is 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-7.

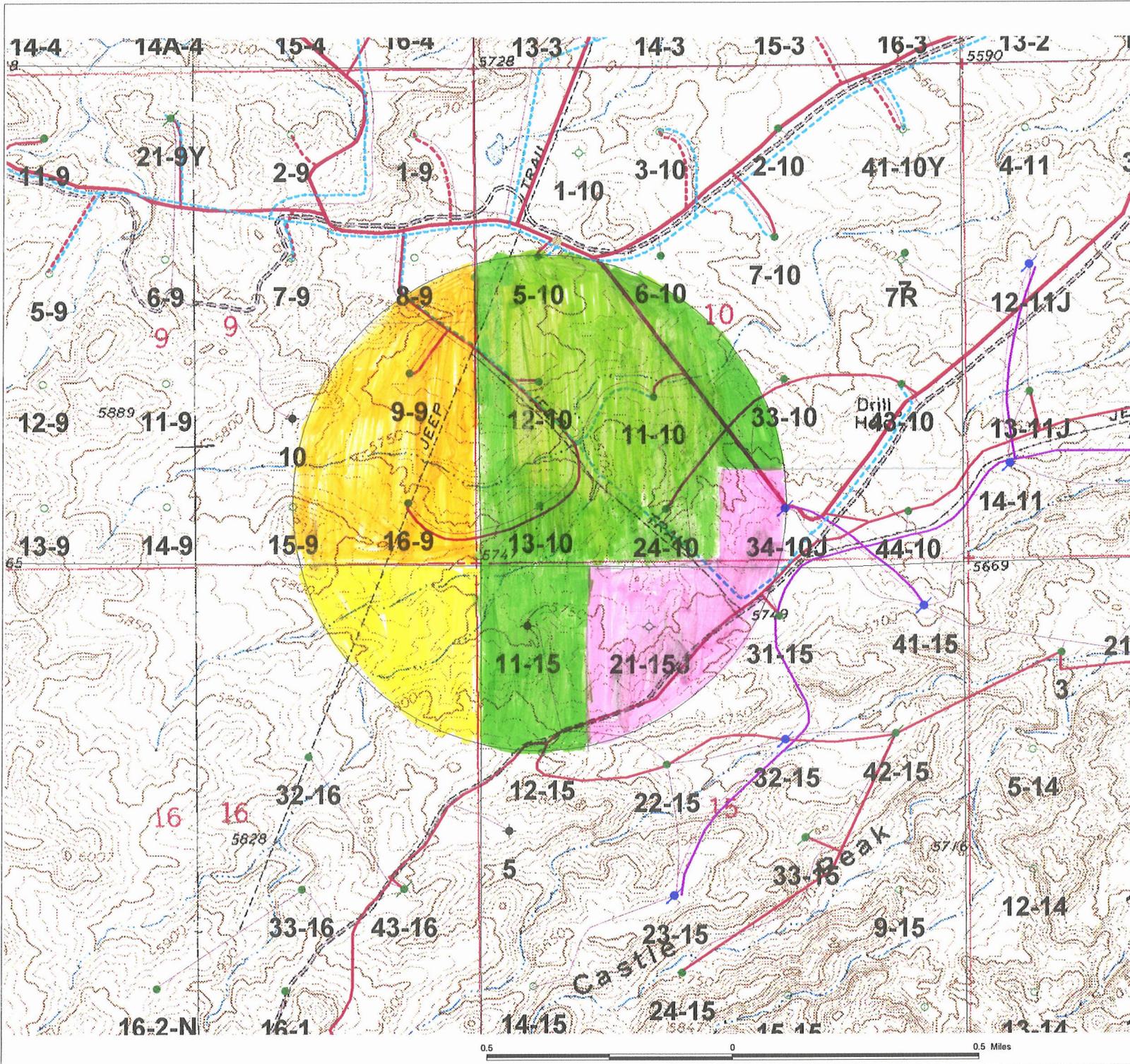
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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



**Legend**

- 0.5-radius.shp
- Landgrid
- Stations.shp
- Pump\_stations.shp
- Compressor\_other\_point.shp
- Compressor\_other.shp
- Compressor.shp

**Well Categories**

- INU
- WTR
- SWD
- OIL
- GAS
- DRY
- SHUTIN
- SUSPENDED
- ABND
- LOC

**Well Symbols**

- Yellow circle: U-40894
- Green circle: UTA-72107
- Pink circle: U-017985
- Yellow circle: ML-16532

**Infrastructure**

- Waterpro\_olc.shp
- Waterpro\_1.shp
- Waterpro\_2.shp
- Waterpro\_3.shp
- Waterpick-up.shp
- Water\_return\_pro.shp
- Water\_return.shp
- Waterinchpro.shp
- Waterinch.shp
- Waterinch.shp
- Roads\_short.shp
- Roads\_proposed.shp
- Roads\_nondigitized.shp
- Roads\_proposed\_large.shp
- Gaspro.shp
- Gas\_meters.shp
- Gas\_burned.shp
- Gasinchpro.shp
- Gasinch.shp
- Gasinch.shp
- Gasinch.shp
- Roads\_short.shp
- Roads\_nondigitized.shp
- Water\_return\_gas.shp
- Waterinch.shp
- Waterinch.shp
- Gas\_meters.shp
- Gas\_burned.shp
- Gasinchpro.shp
- Gasinch.shp
- Gasinch.shp
- Gasinch.shp

Attachment A

SWD 13-10-9-16  
 Sec 10-T9S-R16E  
 1/2 Mile Radius

**Inland Resources Inc.**  
 415 17<sup>th</sup> Street Suite 100  
 Denver, Colorado 80202  
 Phone: (303) 993-0102

**UINTA BASIN**  
 Duchesne & Uintah Counties, Utah

Date: 01/10/2000      JpwwMcClugh

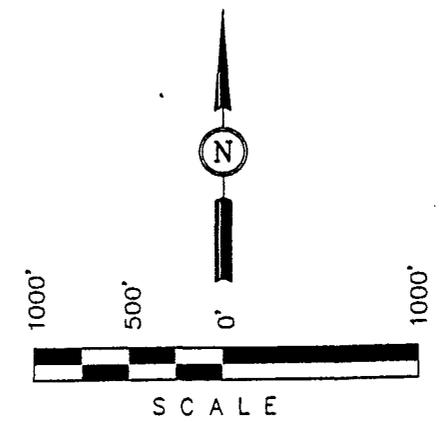
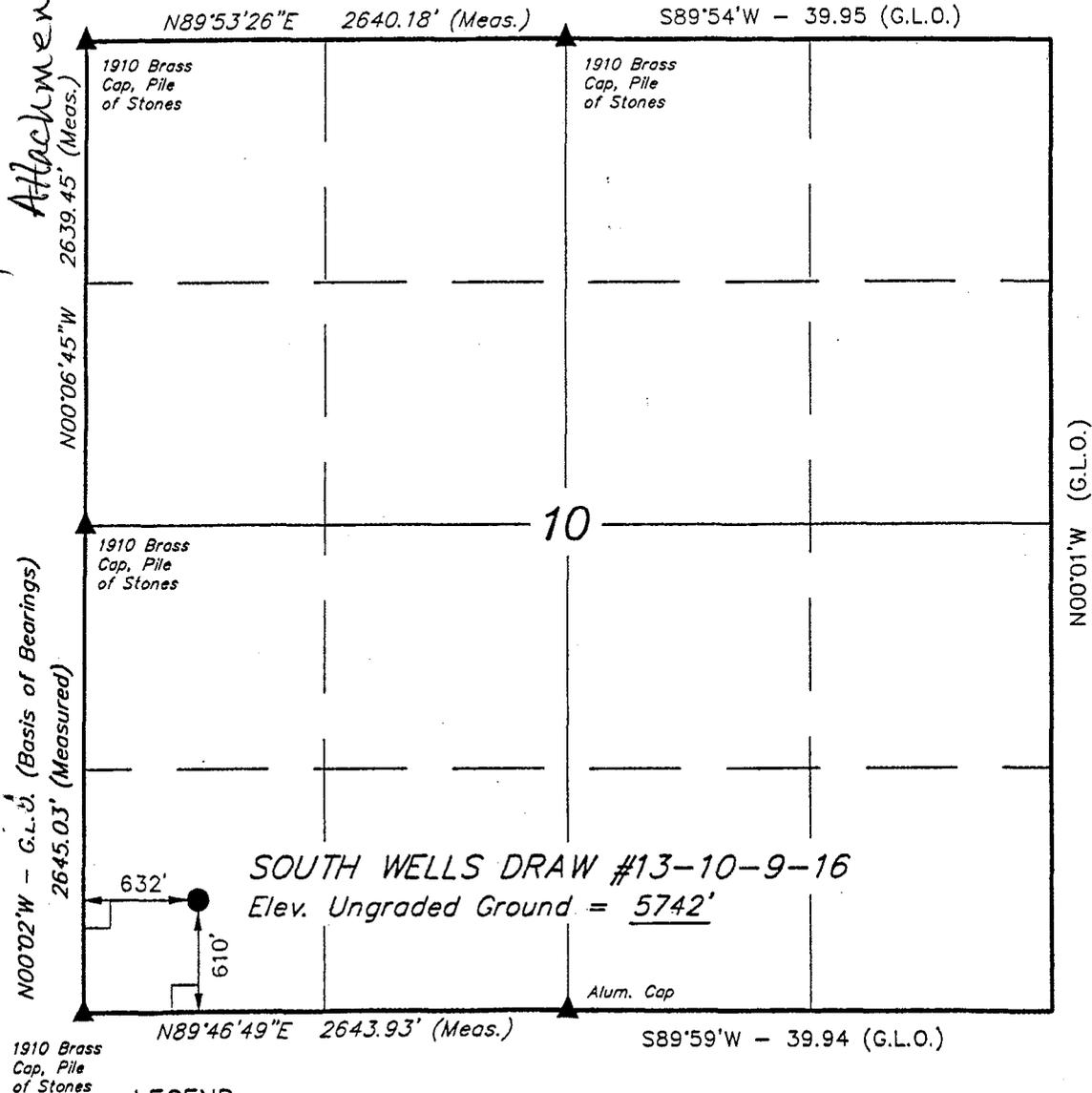
T9S, R16E, S.L.B.&M.

Well location, SOUTH WELLS DRAW #13-10-9-16, located as shown in the SW 1/4 SW 1/4 of Section 10, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

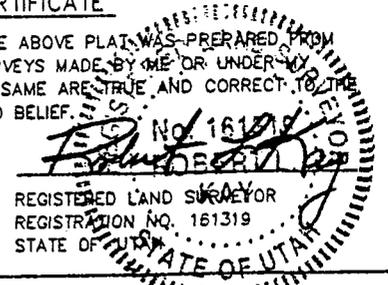
SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5747 FEET.

Attachment A-1



CERTIFICATE

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



<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 1-2-98	DATE DRAWN: 1-13-98
PARTY K.K. J.F. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

# Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 16: All	ML-16532 HBP	Questar Exploration & Production Corp	(Surface Rights) STATE
2	<u>Township 9 South, Range 16 East</u> Section 10: S/2N/2, N/2S/2, S/2SW/4 Section 15: W/2W/2	UTU-72107 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 9: E/2SW/4, SE/4	UTU-40894 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 10: S/2SE/4 Section 15: E/2, E/2W/2	UTU-017985 HBP	Inland Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
S. Wells Draw Fed #13-10-9-16

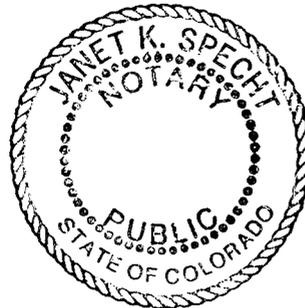
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Bill Pennington  
Inland Production Company  
Bill Pennington  
Chief Executive Officer

Sworn to and subscribed before me this 31 day of JANUARY, 2001.

Notary Public in and for the State of Colorado: Janet K. Specht

My Commission Expires: 7/14/01



# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

*CBC*

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

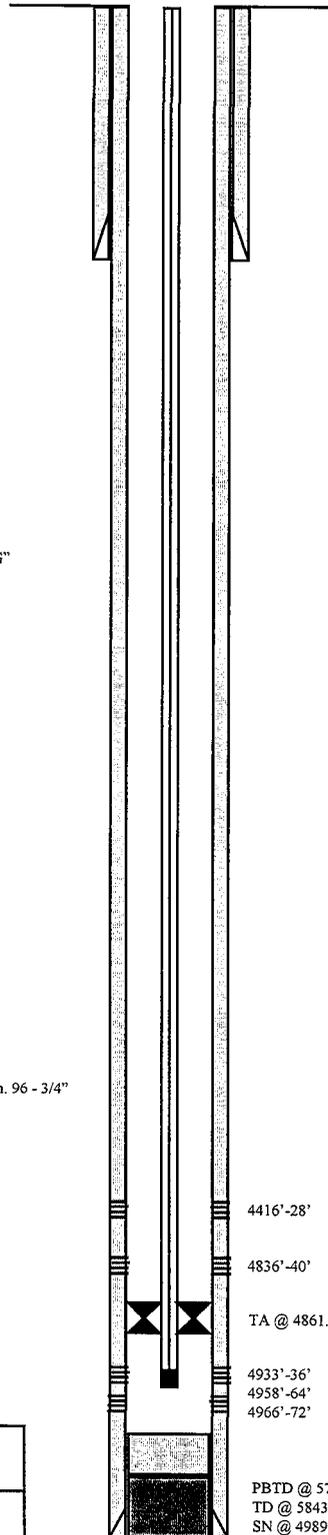
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 95 - 3/4" plain. 96 - 3/4" scraped, 1 - 8'x3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10 x 14' RHAC Pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR

**FRAC JOB**

9/11/98 4836'-4972' **Frac B-1 & B-2 sand as follows:**  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10 sand as follows:**  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes



**Inland Resources Inc.**

**S. Wells Draw #13-10-9-16**

610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

S. Wells Draw #5-10-9-16

Spud Date: 4-28-98  
 Put on Production:  
 GL: 5707.6' KB: 5717.6'

Initial Production: 74 BOPD,  
 79 MCFD, 3 BWPD

Wellbore Diagram

SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 7 jts @ 293'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 293'  
 CEMENT DATA: 120 sx Premium, est 8 bbls cmt to surface

PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5877'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5888'  
 CEMENT DATA: 350 sx Class C &  
 370 sx Class G  
 CEMENT TOP AT: surface  
 3902

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 182 jnts  
 TUBING ANCHOR: 5630'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH:  
 SN LANDED AT: 5664'  
 EOT: 5758'

LOGS: DIGL/SP/GR/CAL 5900'-300'  
 CD/CN/GR 5880'-3000'

SUCKER RODS

POLISH ROD: 1-1/2" x 22'  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 7 SPM  
 4-1 1/2" wt rods, 4-3/4" scraped, 122-3/4" plain,  
 96-3/4" scraped, 1-8', 1-4' x 3/4" pony

FRAC JOB

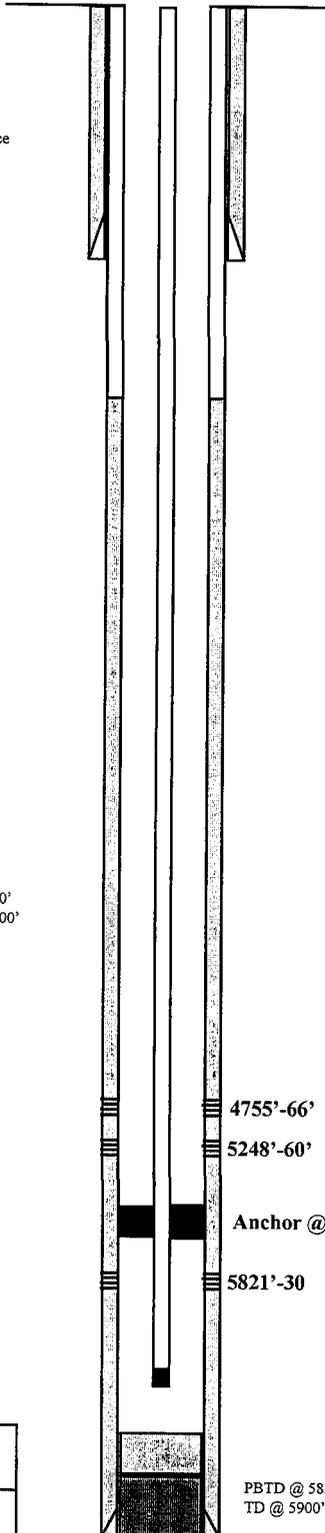
6-10-98 5821'-5830' **Frac CP sand as follows:**  
 111,300# 20/40 sand in 611 bbls Viking.  
 Perfs broke @ 4050 psi. Treated w/avg  
 press of 2235 psi w/avg rate of 28.3 BPM.  
 ISIP-2200 psi, 5 min 1650 psi. Flowback on  
 12/64" ck for 3 hrs & died.

6-12-98 5248'-5260' **Frac A sand as follows:**  
 95,420# 20/40 sand in 530 bbls Viking.  
 Perfs broke @ 3220psi. Treated w/avg press  
 of 1850 psi w/avg rate of 28.2 BPM. ISIP-  
 1890 psi, 5 min 1775 psi. Flowback on  
 12/64" ck for 4 hrs & died.

6-14-98 4755'-4766' **Frac D sand as follows:**  
 114,163# 20/40 sand in 521 bbls Viking.  
 Perfs broke @ 3070 psi. Treated w/avg  
 press of 2350 psi w/avg rate of 26.4 BPM.  
 ISIP-3870 psi, 5 min 2365 psi. Flowback on  
 12/64" ck for 3 hrs & died. Screened out.

PERFORATION RECORD

6-09-98 5821'-5830' 4 JSPF 36 holes  
 6-11-98 5248'-5260' 4 JSPF 48 holes  
 6-12-98 4755'-4766' 4 JSPF 44 holes



Inland Resources Inc.

S. Wells Draw #5-10-9-16

1980 FNL 660 FWL

Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31811; Lease #U-72107

# South Wells Draw #9-9-9-16

Spud Date: 5/20/98  
 Put on Production: 7/15/98  
 GL: 5736' KB: 5748'

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 311'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5830.81')  
 DEPTH LANDED: 5842.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx 28:72 POZ type III & 360 sk Class G  
 CEMENT TOP AT: 2907' CBL

*2908*

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
 NO. OF JOINTS: 169 jts.  
 TUBING ANCHOR: 5131'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5259'  
 SN LANDED AT: 5196'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 103-3/4" plain rods, 96-3/4" scraped  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 9.5 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

7/2/98 5145'-5186' **Frac A-3 sand as follows:**  
 101,290# 20/40 sand in 455 bbls Viking I-25 fluid. Perfs brokedown @ 2902 psi. Treated @ avg press of 3000 psi w/avg rate of 30 bpm. Due to rapidly increasing pressure, sand was cut @ blender @ 9.6#. Flushed 63 bbls before perfs locked up w/9.5 sand @ perfs. ISIP: 3600 psi, 5-min 2877 psi. Flowback on 12/64" choke for 2.5 hours and died.

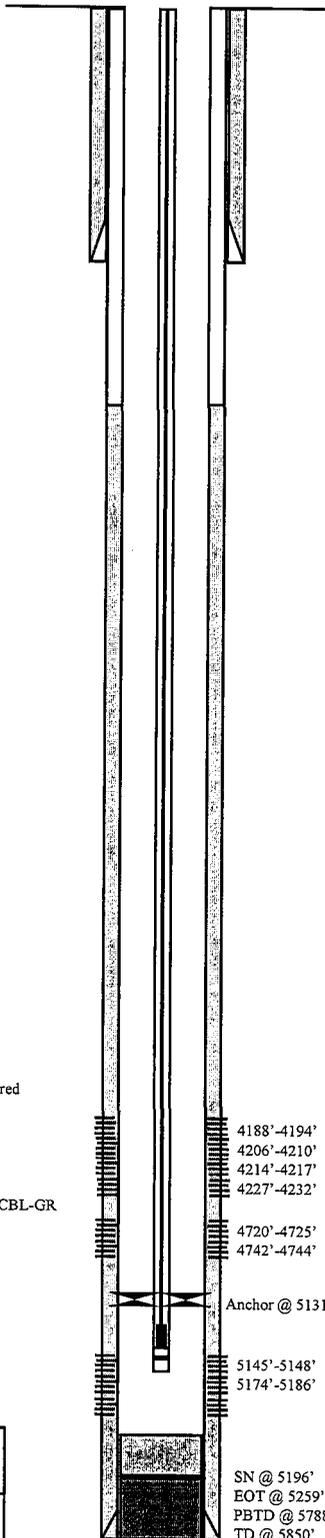
7/7/98 5026'-5034' **Frac B-2 sand as follows:**  
 96,120# of 20/40 sand in 516 bbls Viking I-25 fluid. Perfs brokedown @ 3770 psi. Treated @ avg press of 1950 psi w/avg rate of 30 bpm. ISIP-2050 psi, 5-min 1915 psi. Flowback on 12/64: choke for 3.5 hours and died.

7/9/98 4720'-4744' **Frac D-1 sand as follows:**  
 88,475# 20/40 sand in 497 bbls Viking I-25 fluid. Perfs brokedown @ 3212 psi. Treated @ avg press of 2000 psi w/avg rate of 26 bpm. ISIP: 2340 psi, 5-min 2000 psi. Flowback on 12/64" choke for 4.5 hours and died.

7/11/98 4188'-4232' **Frac GB-4 sands as follows:**  
 93,342# of 20/40 sand in 587 bbls Viking I-25 fluid. Perfs brokedown @ 3100 psi. Treated @ avg press of 1600 psi w/avg rate of 26.4 bpm. ISIP-2116 psi, 5-min 1857 psi. Flowback on 12/64: choke for 2 hours and died.

**PERFORATION RECORD**

Date	Interval	JSPF	Holes
7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes



SN @ 5196'  
 EOT @ 5259'  
 PBTD @ 5788'  
 TD @ 5850'



**Inland Resources Inc.**

**South Wells Draw #9-9-9-16**

2081' FSL 720' FEL  
 NESE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32043; Lease #U-40894

# South Wells Draw #12-10-9-16

Spud Date: 4/28/98  
 Put on Production: 6/5/98  
 GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
 287 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (287')  
 DEPTH LANDED: 288'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5832')  
 DEPTH LANDED: 5843'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT: 1457' CBL

*2373*

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/N-80 tbg.  
 NO. OF JOINTS: 167 jts.  
 TUBING ANCHOR: 5148'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5277'  
 SN LANDED AT: 5214'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 95-3/4" scraped  
 PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/26/98 5169'-5165' **Frac A-3 sand as follows:**  
 104,640# 20/40 sand in 531 bbls Viking I-25 fluid. Perfs brokedown @ 2960 psi. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi, 5-min 2476 psi. Flowback on 12/64" choke for 3 hours and died.

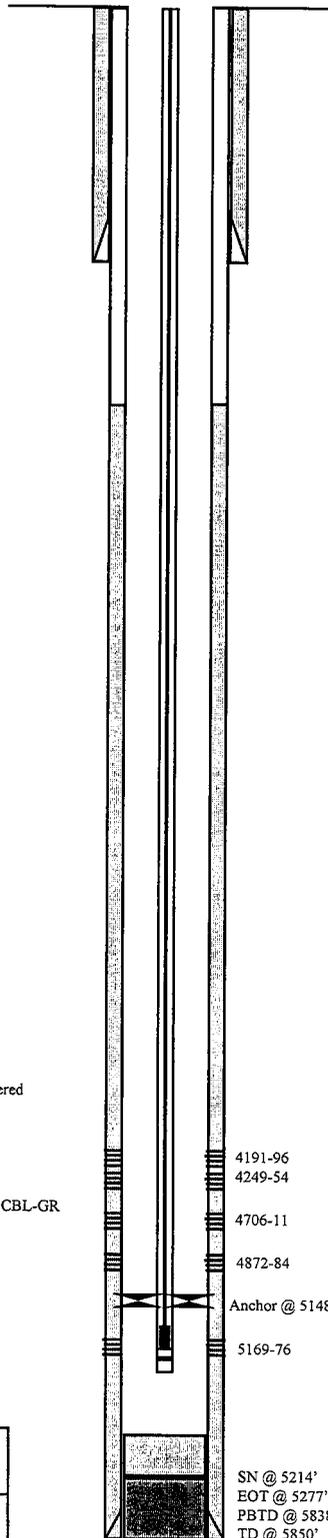
5/28/98 4872'-4884' **Frac C sand as follows:**  
 114,680# of 20/40 sand in 554 bbls Viking I-25 fluid. Perfs brokedown @ 2670 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP-2900 psi, 5-min 2170 psi. Flowback on 12/64" choke for 3.5 hours and died.

5/30/98 4706'-4711' **Frac D-1 sand as follows:**  
 95,560# 20/40 sand in 503 bbls Viking I-25 fluid. Perfs brokedown @ 3753 psi. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi, 5-min 2250 psi. Flowback on 12/64" choke for 3.5 hours and died.

6/2/98 4191'-4254' **Frac GB-4 & GB-6 sands as follows:**  
 111,500# of 20/40 sand in 506 bbls Viking I-25 fluid. Perfs brokedown @ 3810 psi. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP-2250 psi, 5-min 1520 psi. Flowback on 12/64" choke for 3 hours and died.

**PERFORATION RECORD**

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes



4191-96  
 4249-54  
 4706-11  
 4872-84  
 Anchor @ 5148'  
 5169-76

SN @ 5214'  
 EOT @ 5277'  
 PBTD @ 5838'  
 TD @ 5850'



**Inland Resources Inc.**

**South Wells Draw #12-10-9-16**

2130' FSL 629' FWL

NWSW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32046; Lease #UTU-72107

# South Wells Draw #11-10

Spud Date: 4/23/98  
 Put on Production: 6/3/98  
 GL: 5668' KB: 5680'

Initial Production: 124 BOPD,  
 132 MCFPD, 11 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293')  
 DEPTH LANDED: 293'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5815')  
 DEPTH LANDED: 5825'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
 CEMENT TOP AT: 1669' CBL

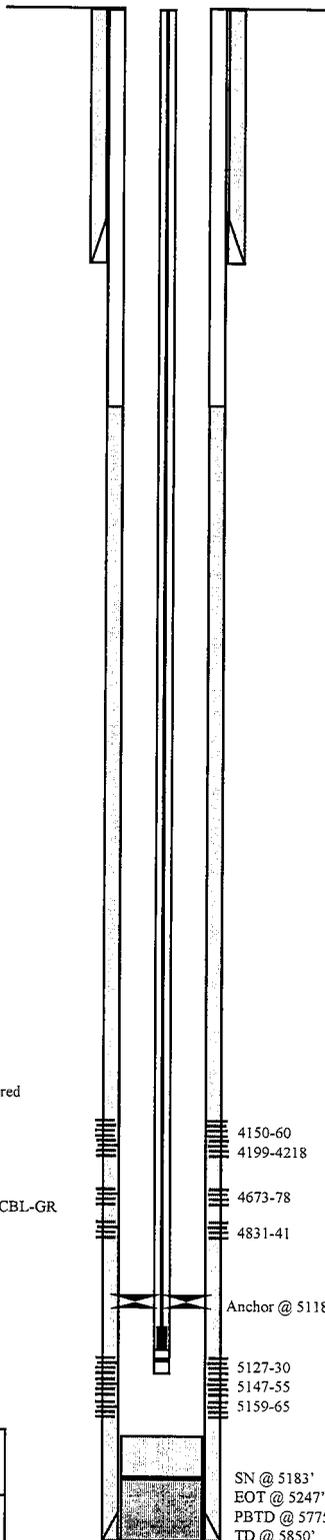
*3109*

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
 NO. OF JOINTS: 168 jts.  
 TUBING ANCHOR: 5118'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5247'  
 SN LANDED AT: 5183'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 94-3/4" scraped  
 PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

5/21/98 5127'-5165' **Frac A-1 & A-3 sands as follows:**  
 97,420# 20/40 sand in 494 bbls Viking I-25 fluid. Perfs brokedown @ 3185 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 3000 psi, 5-min 2640 psi. Flowback on 12/64" choke for 4 hours and died.

5/26/98 4831'-4841' **Frac C sand as follows:**  
 97,480# of 20/40 sand in 508 bbls Viking I-25 fluid. Perfs brokedown @ 2860 psi. Treated @ avg press of 2100 psi w/avg rate of 26 bpm. ISIP-2350 psi, 5-min 2230 psi. Flowback on 12/64" choke for 6 hours and died.

5/28/98 4673'-4678' **Frac D-1 sand as follows:**  
 88,960# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs brokedown @ 3447 psi. Treated @ avg press of 2350 psi w/avg rate of 24 bpm. ISIP: 2500 psi, 5-min 2130 psi. Flowback on 12/64" choke for 2 hours and died.

5/26/98 4831'-4841' **Frac GB-4 & GB-6 sands as follows:**  
 105,300# of 20/40 sand in 513 bbls Viking I-25 fluid. Perfs brokedown @ 3320 psi. Treated @ avg press of 1900 psi w/avg rate of 28 bpm. ISIP-2300 psi, 5-min 2180 psi. Flowback on 12/64" choke for 5 hours and died.

PERFORATION RECORD

Date	Interval	Tool	Holes
5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	4831'-4841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes



**Inland Resources Inc.**

**South Wells Draw #11-10**

1606' FSL 1898' FWL  
 NESW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32045; Lease #UTU-72107

Spud Date: 5-4-98  
 Put on Production: 6-29-98  
 GL: 5757.4' KB: 5767.4'

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

Initial Production: 89 BOPD,  
 102 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 8 jts @ 292.44'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 292.94'  
 CEMENT DATA: 120 sx Premium Plus, est 6 bbls cmt to surface

**PRODUCTION CASING**

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5824'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5835'  
 CEMENT DATA: 360 sx 28:72 Poz & 375 sx Class G  
 CEMENT TOP AT: surface

*3840*

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs  
 NO. OF JOINTS: 168 jnts  
 TUBING ANCHOR: 5207'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 5282'  
 SN LANDED AT: 5269'  
 EOT: 5333'

**SUCKER RODS**

1 - 22' x 1 1/2" Polished Rod (SM End)  
 4-11/2" wt rods, 107-3/4" plain, 95-3/4" scraped, 1-8", 1-4"x3/4" pony

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 6 SPM  
 LOGS: DIGL/SP/GR/CAL 5850'-302' CN/CD/GR 5830'-3000'

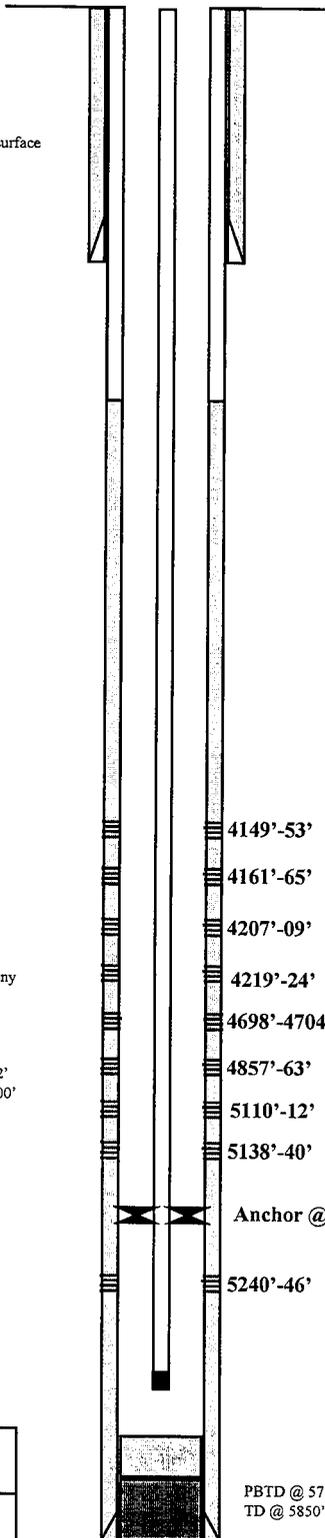
**FRAC JOB**

6-19-98 5110'-5246' **Frac A/LDC sand as follows:**  
 77,000# 20/40 sand in 467 bbls Viking. Perfs broke @ 3260 psi. ISIP-3740 psi, 5 min 3120 psi. Flowback on 12/64" ck for 3 hrs & died.

6-21-98 4857'-4863' **Frac C sand as follows:**  
 54,400# 20/40 sand in 260 bbls Viking. Perfs broke @ 2385 psi. Treated w/avg press of 2000 psi w/avg rate of 29 BPM. Screened out.

6-24-98 4698'-4704' **Frac D sand as follows:**  
 104,000# 20/40 sand in 436 bbls Viking. Perfs broke @ 3520 psi. Treated w/avg press of 2310 psi w/avg rate of 25.4 BPM. ISIP-2310 psi, 5 min 2150 psi. Flowback on 12/64" ck for 4 hrs & died.

6-26-98 4149'-4224' **Frac GB sand as follows:**  
 108,354# 20/40 sand in 646 bbls Viking. Perfs broke @ 2710 psi. Treated w/avg press of 1770 psi w/avg rate of 26 BPM. ISIP-2350 psi, 5 min 2050 psi. Flowback on 12/64" ck for 4 hrs & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
6-18-98	5110'-5112'	4 JSPF	8 holes
6-18-98	5138'-5140'	4 JSPF	8 holes
6-18-98	5240'-5246'	4 JSPF	8 holes
6-20-98	4857'-4863'	4 JSPF	8 holes
6-23-98	4698'-4704'	4 JSPF	24 holes
6-25-98	4149'-4153'	4 JSPF	16 holes
6-25-98	4161'-4165'	4 JSPF	16 holes
6-25-98	4207'-4209'	4 JSPF	8 holes
6-25-98	4219'-4224'	4 JSPF	20 holes

**Inland Resources Inc.**

**S. Wells Draw #16-9-9-16**

696 FSL 744 FEL

SESE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32044; Lease #U-40894

PBTD @ 5781'  
 TD @ 5850''

# Castle Peak Federal #24-10A

Elev.GR - 5702' GL  
 Elev.KB - 5712'  
 Spud: 5/20/82

Spud: 5/20/82  
 Put on production: 6/28/82

Wellbore Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 32#  
 LENGTH:  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sks

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH:  
 DEPTH LANDED: 5997' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 1165 sks  
  
 CEMENT TOP AT: 1160' KB

## TUBING

SIZE/GRADE/WT.: 2-3/8"  
 NO. OF JOINTS:  
 TUBING ANCHOR: Note: no pulling unit  
 NO. OF JOINTS: records on file since the  
 SEATING NIPPLE: initial completion!!!  
 PERFORATED SUB:  
 MUD ANCHOR:  
 STRING LENGTH:  
 SN LANDED AT: 4815' KB

## SUCKER RODS

POLISHED ROD: 1-1/2"x22'  
 SUCKER RODS: 1-3/4"x4' Pony  
 1-3/4"x6' Pony  
 176-3/4"x25' Plain  
 14-3/4"x25' Strapped Rod  
 1-3/4"x2' Pony  
 TOTAL STRING LENGTH: 4784'

PUMP NUMBER:  
 PUMP SIZE: 1-1/2"x2"x16' RWBC

STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT:  
 PRIME MOVER:

## ACID JOB /BREAKDOWN

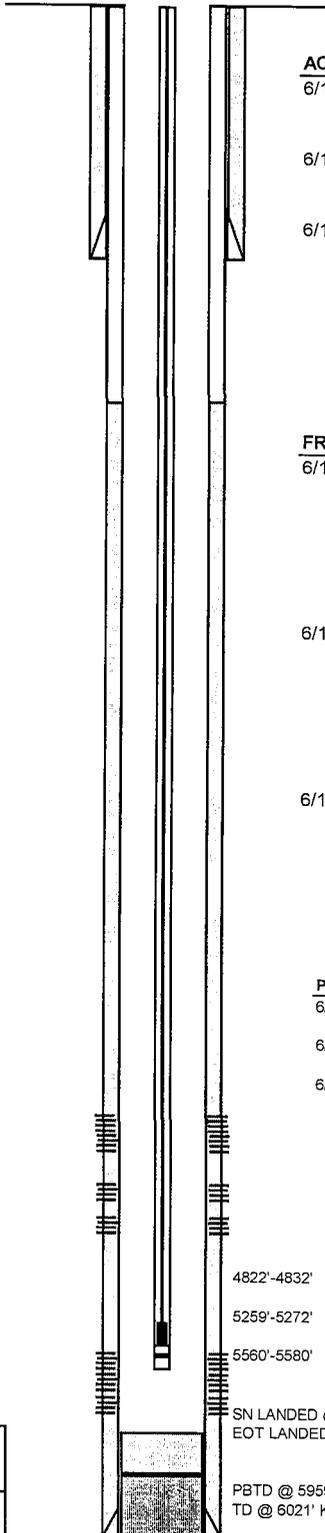
6/10/82	5560'-5580'	Dowell: 1000 gal 7-1/2% HCL.
6/11/82	5259'-5272'	Dowell: 1000 gal 7-1/2% HCL.
6/12/82	4822'-4832'	Dowell: 1000 gal 7-1/2% HCL.

## FRAC JOB

6/10/82	5560'-5580'	Dowell: 24,000 gal YF4SPD fluid w/ 33,000# 20/40 sand, 12,000# 10/20 sand. ATP=1450 psi, ATR=12 bpm, ISIP=1700 psi, 15 min=1600 psi, 20 min=1600 psi.
6/11/82	5259'-5272'	Dowell: 20,580 gal YF4PSD fluid w/ 29,000# 20/40 sand, 6,320# 10/20 sand. ATP=2100 psi, ATR=10 bpm, ISIP=3800 psi, 15 min=2300 psi, 20 min=2200 psi.
6/12/82	4822'-4832'	Dowell: 9,582 gal YF4PSD fluid w/ 9,328# 20/40 sand. ATP=1950 psi, ATR=10 bpm, ISIP=3400 psi, 15 min=3100 psi, 20 min=3100 psi.

## PERFORATION RECORD

6/9/82	5560'-5580'	2 SPF
6/11/82	5259'-5272'	2 SPF
6/12/82	4822'-4832'	2 SPF



4822'-4832'  
 5259'-5272'  
 5560'-5580'  
 SN LANDED @ 4815' KB  
 EOT LANDED @ ' KB  
 PBTD @ 5959' KB  
 TD @ 6021' KB



**Inland Resources Inc.**  
 Castle Peak Federal #24-10A  
 Monument Butte  
 U-017985  
 SE SW Section 10, T9S, R16E  
 660' FSL, 1980' FWL  
 Duchesne County, Utah

# Balcron Monument Federal #34-10J Attachment E-7

Wellbore Diagram

Put on production 2/15.94

Elev. Gr @ 5716'  
 Elev. @KB 5726' (10' KB)  
 Spud: 1/13/94

**SURFACE CASING**

-----  
 8-5/8", 24#, J-55  
 Length @ 266.87'  
 Hole Size @ 12-1/4"  
 Depth landed @ 274' KB  
 Cemented w/ 150 sxs Class Class  
 1/4#/sx Celoflake  
 5 BBLS return.

**PRODUCTION CASING**

-----  
 5-1/2", K-55, 15.5#  
 Length @ 5836.04'  
 Depth landed @ 5832.04' KB  
 Cemented w/ 110 sxs Hilift &  
 290 sxs Class "G"  
 Top of Cement @ 2735' from CBL

UTAH CAUSE NO : UIC-152

**TUBING/INJECTION STRING**

Injection Equipment & Size	Length FT.	Setting Depth FT. (w/ 10' KB)
KB	10.00	
1) 146 jnts 2 7/8" tbg	4606.62	4616.62
2) 2 7/8" SN (2.25" ID)	1.10	4617.72
3) 5.5" Arrow Set-1 Pkr	7.00	4624.72
End of Tubing		4624.72

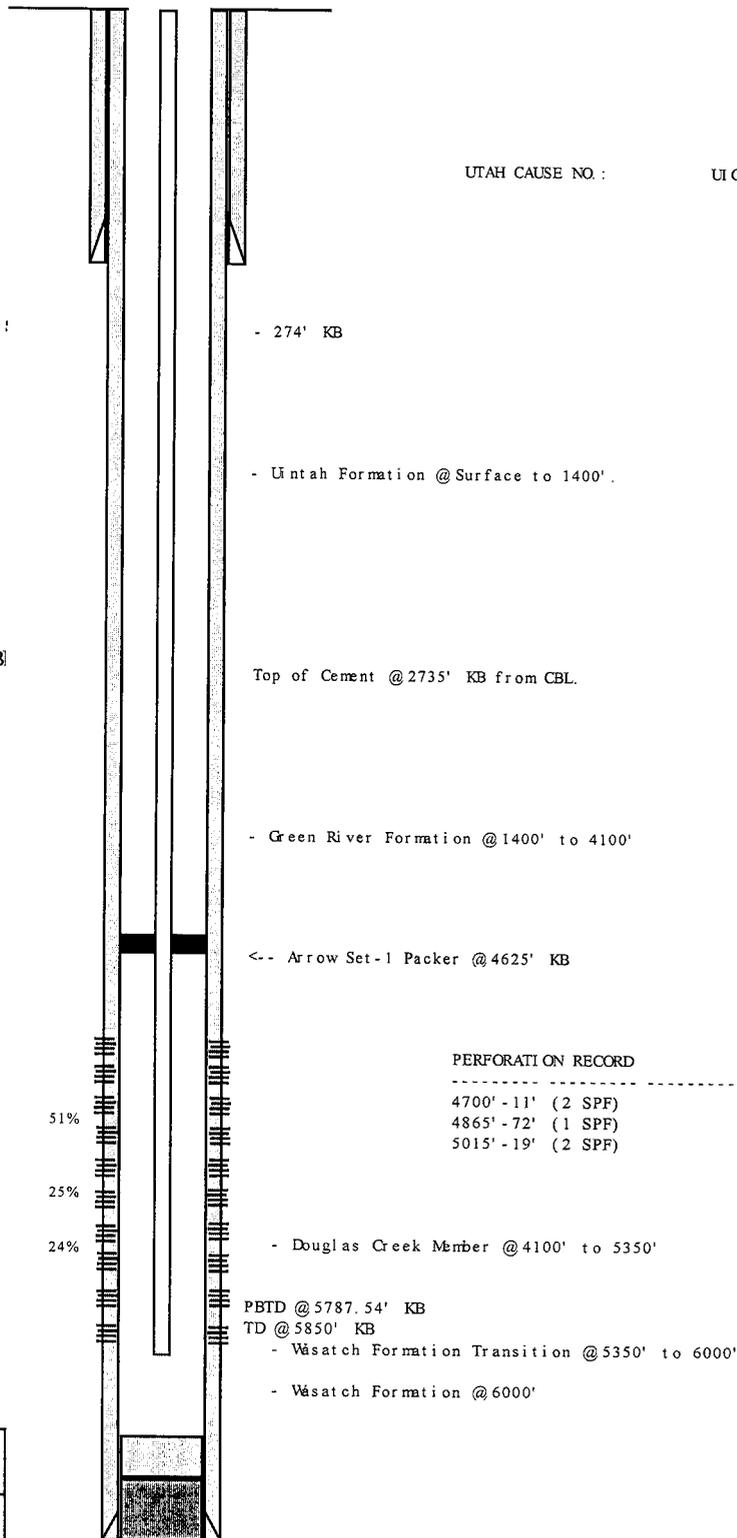
Injection Packers Set 10-5-94 By Mn States.

2 7/8" SN ID @ 2.25"  
 Arrow Set-1 Pkr set w/ 16" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83  
 w/ 60 STBW

**Injection Horizons**

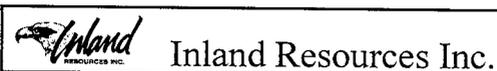
4700' - 4711' (11')	RED 1
4865' - 4872' (7')	RED 5
5015' - 5019' (4')	GREEN 1

Tracer Survey ran 12-22-94



**PERFORATION RECORD**

4700' - 11' (2 SPF)	RED 1
4865' - 72' (1 SPF)	RED 5
5015' - 19' (2 SPF)	GREEN 1



BALCRON MONUMENT FEDERAL #34-10J  
 SW SE Section 10, T9S, R16E  
 592' FSL & 1979' FEL  
 Jonah Unit/Monument Butte Field  
 Lease No. U-017985  
 Duchesne County, Utah

**ATTACHMENT F  
WATER ANALYSIS**

WE WERE UNABLE TO DO A WATER ANALYSIS – THE TANKS HAD BEEN DRAINED. WE WILL SEND YOU A WATER ANALYSIS AS SOON AS ONE CAN BE DONE.

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

## WATER ANALYSIS REPORT

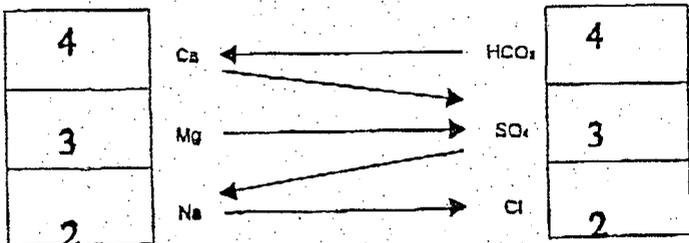
Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

Source JOHNSON Date Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.4</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>600</u>	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub>	<u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	<u>240</u>	+ 61 <u>4</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	OH	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	<u>130</u>	+ 48 <u>3</u> SO <sub>4</sub>
10. Calcium (Ca)	Ca	<u>72</u>	+ 20 <u>4</u> Ca
11. Magnesium (Mg)	MG	<u>41</u>	+ 12.2 <u>3</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>350</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	11.04	<u>4</u>			<u>324</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19	<u>3</u>			<u>181</u>
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F-2

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

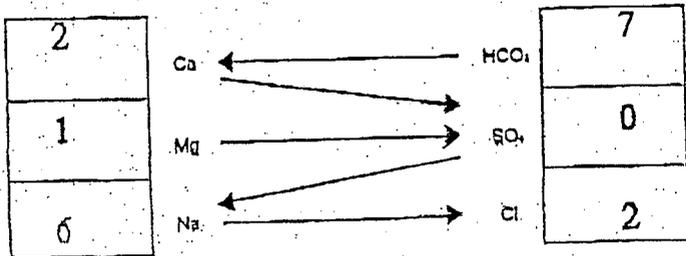
## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 8-25-99  
Source MBIF Date Sampled 8-25-99 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mg/l
1. PH	<u>8.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>688</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	<u>0</u>
6. Bicarbonate (HCO <sub>3</sub> )		<u>430</u>	<u>7</u>
7. Hydroxyl (OH)		<u>0</u>	<u>0</u>
8. Chlorides (Cl)		<u>71</u>	<u>2</u>
9. Sulfates (SO <sub>4</sub> )		<u>0</u>	<u>0</u>
10. Calcium (Ca)		<u>40</u>	<u>2</u>
11. Magnesium (Mg)		<u>12</u>	<u>1</u>
12. Total Hardness (CaCO <sub>3</sub> )		<u>150</u>	
13. Total Iron (Fe)		<u>13</u>	
14. Manganese		<u>0</u>	
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,000 Mg/l

103 Mg/l

Compound	Equly. Wt.	X	Mqd	=	Mqd
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>1</u>			<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>4</u>			<u>336</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	<u>2</u>			<u>117</u>

REMARKS \_\_\_\_\_

**Attachment "G"**

**South Wells Draw Federal #13-10-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4836	4840	4838	2300	0.91	2289
4933	4936	4935	2300	0.90	2289
4958	4964	4961	2300	0.90	2288
4966	4972	4969	2300	0.90	2288
4416	4428	4422	1600	0.79	1588
				<b>Minimum</b>	<u>1588</u>

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

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



Attachment G-1

### Daily Completion Report

**S. WELLS DRAW 13-10-9-16**  
SW/SW Section 10, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32047

Spud Date: 8/15/98  
MIRU Drl Rig: 8/15/98, Union #14  
TD: 5850'  
Completion Rig: Flint #4357

- 9/9/98 PO: Perf & break down C&B sds. (Day 1)**  
Summary: 9/8/98 – CP: 0. MIRU Flint #4357. NU BOP. PU & TIH w/4-3/4" bit, 5-1/2" csg scraper, 186 jts 2-7/8" 8rd 6.5# M-50 tbg. Tag PBTB @ 5790'. Press test csg & BOP to 3000 psi. TOH w/tbg. LD bit & scraper. SIFN.  
DC: \$21,279 TWC: \$174,563
- 9/10/98 PO: Frac C/B sds. (Day 2)**  
Summary: 9/9/98 – CP: 0. RU Schlumberger & perf C/B sds @ 4836-40', 4933-36', 4958-64' & 4966-72' w/4 jspf. TIH w/5-1/2" RTTS pkr & tbg. Set pkr @ 4886'. Break dn perfs 4933' through 4972' @ 3200 psi. Get IR of 1 BPM @ 1400 psi. Break dn perfs 4836-40' @ 3400 psi. Get IR of 1 BPM @ 1600 psi. Lost 2 BW. Release pkr. Pull OET to 4830'. IFL @ sfc. Made 11 swab runs, rec 101 BTF w/tr oil & gas. FFL @ 4600'. SIFN.  
DC: \$3,743 TWC: \$178,306
- 9/11/98 PO: Perf PB sds. PU & frac tbg & pkr. (Day 3)**  
Summary: 9/10/98 – TP: 50, CP: 50. Bleed gas off well. IFL @ 4200'. Made 2 swab runs, rec 7 BTF w/tr oil. FFL @ 4600'. TOH w/tbg. NU isolation tool. RU BJ Services & frac C/B sds w/112,100# 20/40 sd in 548 bbls Viking I-25 fluid. Perfs broke back @ 3118 psi @ 21 BPM. Treated @ ave press of 2080 psi w/ave rate of 30.4 BPM. ISIP: 2300 psi, 5 min: 2180 psi. Flowback on 12/64 choke for 3-1/2 hrs & died. Rec 170 BTF (est 31% of load). SIFN w/est 378 BWTR.  
DC: \$24,259 TWC: \$202,565
- 9/12/98 PO: Frac PB sds dn tbg. (Day 4)**  
Summary: 9/11/98 – CP: 250. Bleed off est 8 bbls frac fluid. TIH w/5-1/2" RBP & tbg. Set plug @ 4603'. Press test plug to 3000 psi. Swab FL dn to 3900'. Rec 84 BTF. TOH w/tbg. RU Schlumberger & perf PB sds @ 4416-28' w/4 jspf. PU & TIH w/5-1/2" RTTS pkr & 136 jts 2-7/8" 8rd 6.5# L-80 tbg. Set pkr @ 4280'. RU swab equipment. IFL @ 3900'. Made 1 swab run, rec 1 BTF. FFL @ 4200'. SIFN w/est 285 BWTR.  
DC: \$4,890 TWC: \$207,455
- 9/13/98 PO: LD frac string & pkr. Pull plug. CO PBTB. Swab. (Day 5)**  
Summary: 9/12/98 – TP: 250, CP: 0. Bleed gas off tbg. IFL @ 4100'. Made 1 dry swab run. Fill csg w/61 BW. RU BJ Services to tbg & frac PB sds w/8,220# 20/40 sd in 66 bbls Viking I-25 fluid. Perfs broke dn @ 3990 psi. Treated @ ave press of 2220 psi w/ave rate of 12.6 BPM. ISIP: 1600 psi, 5 min: 1485 psi. Flowback on 12/64 choke for 1 hr & died. Rec 45 BTF (est 68% of load). SIFN w/est 367 BWTR.  
DC: \$11,960 TWC: \$219,415
- 9/14/98 SD for Sunday.**

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 189' plug from 4833'-5022' with 25 sx Class "G" cement.
2. Plug #2 Set 154' plug from 4736'-4890' with 20 sx Class "G" cement.
3. Plug #3 Set 162' plug from 4316'-4478' with 20 sx Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
5. Plug #5 Set 100' plug from 254'-354' (50' on either side of casing shoe) with 15 sx Class "G" cement.
6. Plug #6 Set 50' plug from surface with 10 sx Class "G" cement.
7. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 304' to surface.

The approximate cost to plug and abandon this well is \$18,000.

# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

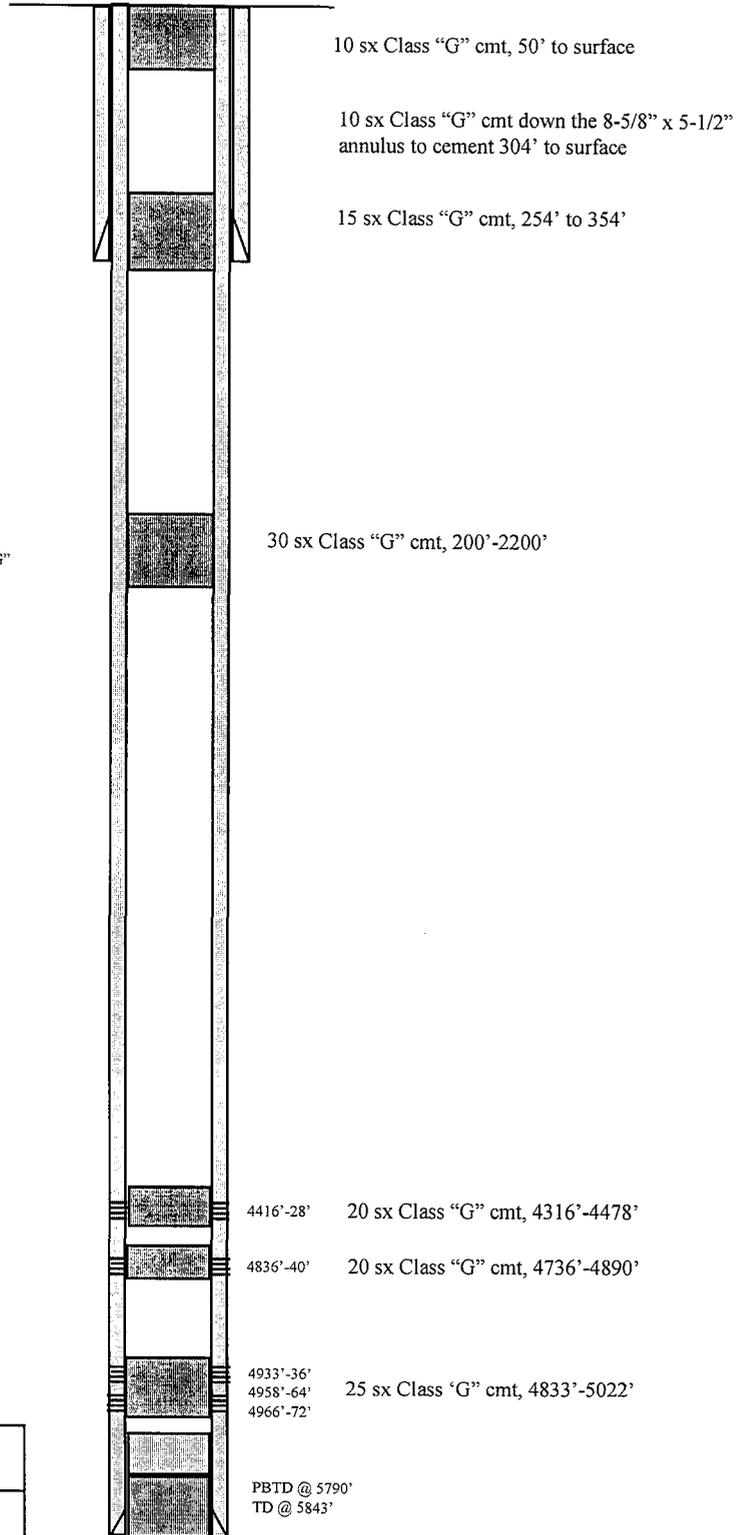
**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

Proposed P & A Wellbore Diagram



**Inland Resources Inc.**  
 S. Wells Draw #13-10-9-16  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107



February 14, 2008

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  
South Wells Draw 13-10-9-16  
Monument Butte, Lease #U-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the South Wells Draw #13-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field. I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

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

Eric Sundberg  
Regulatory Analyst

**RECEIVED**  
**MAR 20 2008**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW #13-10-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER)**

**LEASE #U-72107**

**February 14, 2008**

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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S. WELLS DRAW #13-10-9-16



# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

## SURFACE CASING

CEMENT TOP AT: Surface per CBL

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

## PRODUCTION CASING

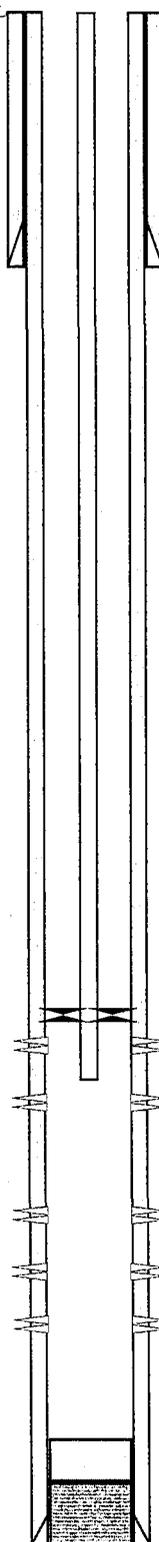
CEMENT TOP AT: Surface per cement bond log (Schlumberger)

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log (Schlumberger)

## TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

## Proposed Injection Wellbore Diagram



Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

## FRAC JOB

9/11/98 4836'-4972' **Frac B-1**  
 & B-2 sand as follows:  
 112,100# 20/40 sand in 548  
 I-25. Perfs broke @ 3118 psi  
 @ 21 BPM. Treated w/avg press of 2080  
 psi w/avg rate of 30.4 BPM. ISIP-2300  
 psi, 5 min 2180 psi. Flowback on  
 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10**  
 sand as follows:  
 8,220# 20/40 sand in 66 bbls  
 fluid. Perfs broke @ 3990  
 psi. Treated w/avg press of 2220 psi  
 w/avg rate of 12.6 BPM. ISIP-1600 psi, 5  
 min 1485 psi. Flowback on 12/64" ck for 1  
 hr & died.

## PERFORATION RECORD

Date	Depth Range	Holes	Total Holes
9/9/98	4836'-4840'	16	4
9/9/98	4933'-4936'	12	4
9/9/98	4958'-4964'	24	4
9/9/98	4966'-4972'	24	4
9/9/98	4416'-4428'	4	48



S. Wells Draw #13-10-9-16  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

## 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 South Wells Draw #13-10-9-16 from a producing oil well to a water injection well in Monument Butte (Green River).

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For South Wells Draw.#13-10-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3979' - 5843'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD which ever is shallower. The Garden Gulch Marker top is at 3656' and the TD is at 5843'.

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

The referenced log for South Wells Draw #13-10-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #U-72107) in the Monument Butte (Green River) Field, South Wells Draw, 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 304' KB, and 5-1/2" 15.5# J-55 casing run from surface to 5834' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1571 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 South Wells Draw #13-10-9-16, for existing perforations (4416' - 4972') calculates at 0.80 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 1571 psig. We may add additional perforations between 3979' and 5843'. 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 South Wells Draw #13-10-9-16, the proposed injection zone (3979' - 5843') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte 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-8.

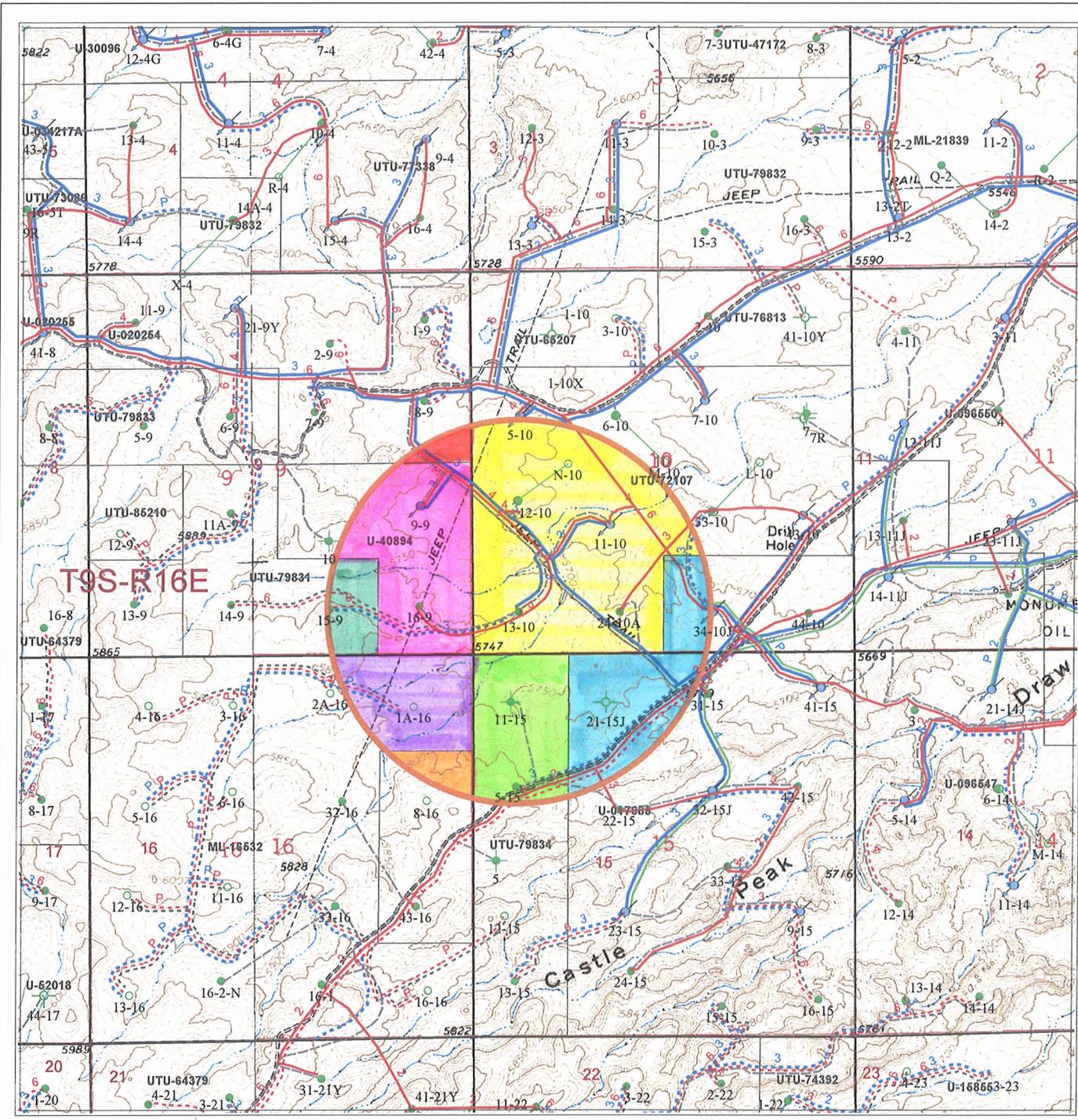
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**Well Status**

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

**Injection system**

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

**Gas Pipelines**

- Gathering lines
- ⋯ Proposed lines

**Leases**

- Leases
- ⊕ 13-10-9-16 1/2mile radius

- U-72107
- U-17985
- U-79834
- ML-14532
- ML-14532
- U-40894
- U-79831
- U-45207

Attachment A

S Wells Draw 13-10-9-16  
Section 10, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS

1" = 2000'

1/2 Mile Radius Map  
Duchesne County

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

February 6, 2008

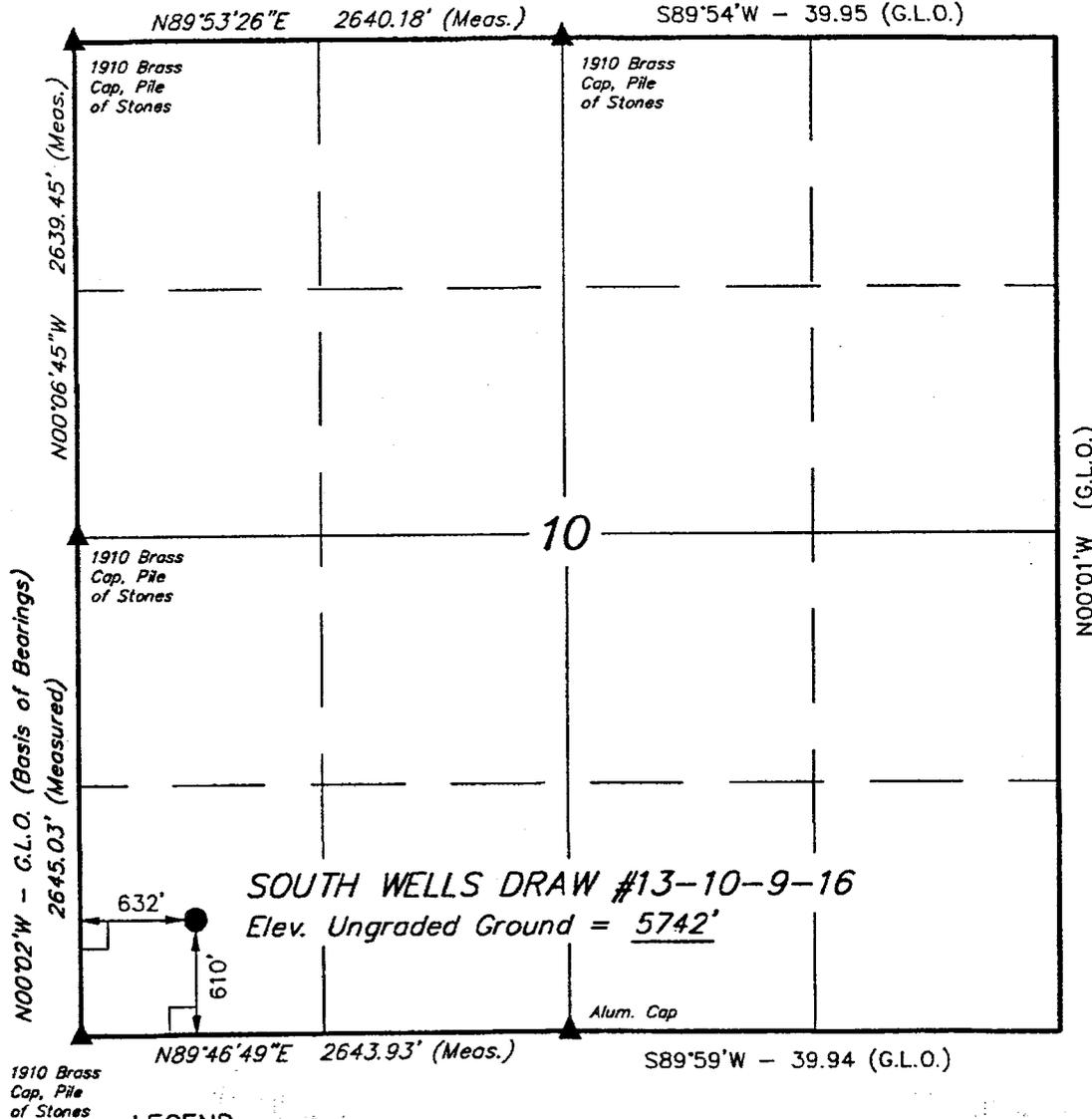
T9S, R16E, S.L.B.&M.

INLAND PRODUCTION CO.

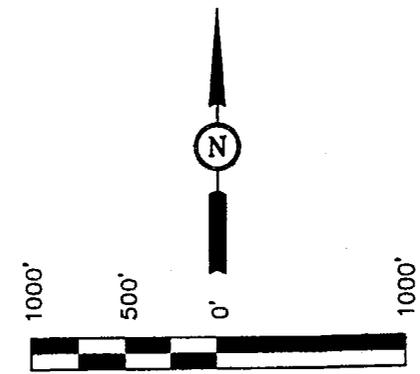
Well location, SOUTH WELLS DRAW #13-10-9-16, located as shown in the SW 1/4 SW 1/4 of Section 10, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5747 FEET.



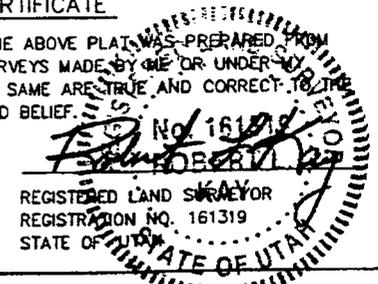
A Attachment A-1



SCALE

CERTIFICATE

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.



UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-2-98	DATE DRAWN: 1-13-98
---------------------	--------------------------	------------------------

LEGEND:

1910 Brass Cap, Pile of Stones

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 10: S2N2, N2S2, S2SW	U-72107 HBP	Newfield Production Company	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 10: S2SE Section 15: E2, E2W2	U-17985 HBP	Newfield Production Company	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 10: W2W2	U-79834 HBP	Newfield Production Company	(Surface Rights) USA
4	Township 9 South, Range 16 East Section 16: ALL	ML-16532 HBP	Newfield Production Company Questar Exploration & Production Brave River Production American Petroleum Corp Trans Republic Resources United Pipe & Supply Inc. Alta Commonwealth LTD III Petroleum Technical Services Shelby Drilling Inc. Gene F. Keyser Frank G. Carrico Laurel Mining Co. R.C. Johnson DCB Oil & Gas Inc. Harry Miller, Jr. Marion Laughlin Miller Trust	(Surface Rights) St. of Utah
5	Township 9 South, Range 16 East Section 9: N2SE, SESE	U-40894 HBP	Newfield Production Company	(Surface Rights) USA
6	Township 9 South, Range 16 East Section 9: E2SW, SWSE	U-79831 HBP	Newfield Production Company	(Surface Rights) USA

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
7	Township 9 South, Range 16 East Section 9: NE, NENW Section 10: N2NW	U-65207 HBP	Newfield Production Company Yates Petroleum Corporation MYCO Industries Inc. ABO Petroleum Corporation Yates Drilling Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
South Wells Draw #13-10-9-16

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

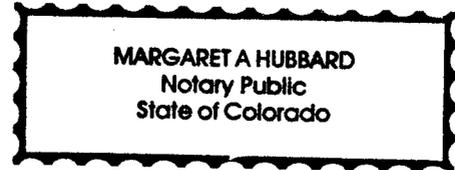
Signed: *Eric Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 18<sup>TH</sup> day of MARCH, 2008.

Notary Public in and for the State of Colorado: *Margaret A. Hubbard*

My Commission Expires: FEBRUARY 26, 2010

**My Commission Expires  
February 26, 2010**



Attachment E

# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"

CEMENT TOP AT: Surface per CBL

CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

**PRODUCTION CASING**

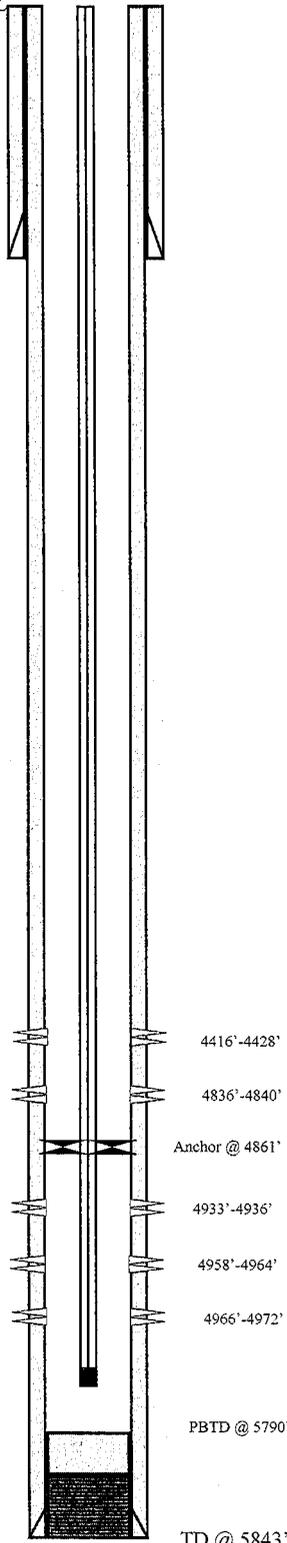
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log (Schlumberger)

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 95 - 3/4" plain. 96 - 3/4" scraped, 1 - 8'x3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10 x 14' RHAC Pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR



**FRAC JOB**

9/11/98 4836'-4972' Frac B-1 & B-2 sand as follows:  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-23000 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' Frac PB-10 sand as follows:  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

**PERFORATION RECORD**

Date	Depth Range	Holes	Notes
9/9/98	4836'-4840'	4	JSPF 16 holes
9/9/98	4933'-4936'	4	JSPF 12 holes
9/9/98	4958'-4964'	4	JSPF 24 holes
9/9/98	4966'-4972'	4	JSPF 24 holes
9/9/98	4416'-4428'	4	JSPF 48 holes



S. Wells Draw #13-10-9-16  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107

AHqm. E-1

# S. Wells Draw #5-10-9-16

Initial Production: 74 BOPD,  
79 MCFD, 3 BWPD

Spud Date: 4-28-98  
Put on Production:  
Put on Injection:  
GL: 5707.6 KB:5717.6'

Injection Wellbore  
Diagram

**SURFACE CASING**

SIZE: 8 5/8" / J-55 / 24 #  
LENGTH: 7 jts @ 293'  
HOLE SIZE: 12 1/4"  
DEPTH LANDED: 293'  
CEMENT DATA: 120 sx Premium, est 8 bbls cmt to surface

**PRODUCTION CASING**

SIZE: 5 1/2" / J-55 / 15.5 #  
LENGTH: 137 jts @ 5877'  
HOLE SIZE: 7 7/8"  
DEPTH LANDED: 5888'  
CEMENT DATA: 350 sx Class C & 370 sx Class G  
CEMENT TOP AT:

**TUBING RECORD**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 133 jts (4097.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4109.45' KB  
PACKER: 4113.72'  
TOTAL STRING LENGTH: EOT @ 4117.88' KB

**FRAC JOB**

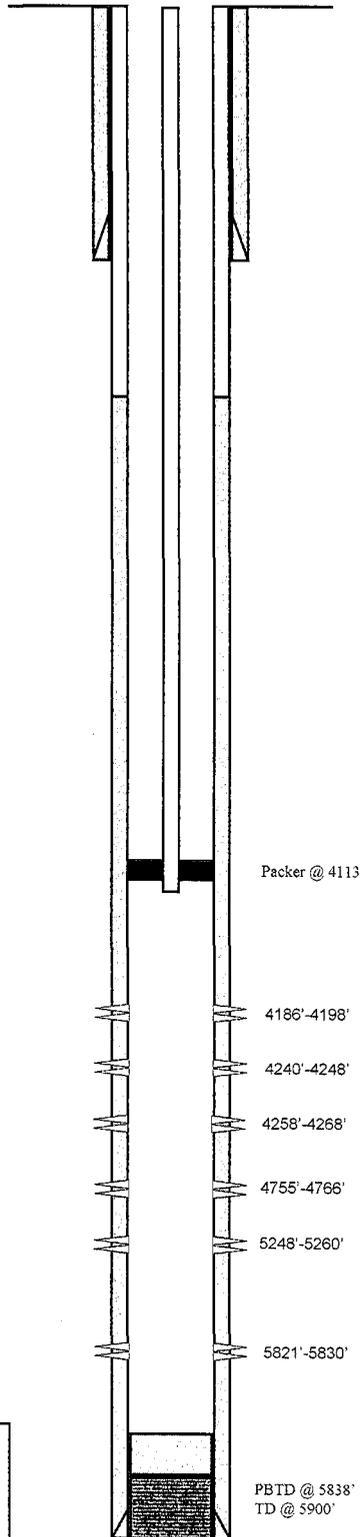
6-10-98 5821'-5830' **Frac CP sand as follows:**  
111,300# 20/40 sand in 611 bbls Viking.  
Perfs broke @ 4050 psi. Treated w/avg  
press of 2235 psi w/avg rate of 28.3 BPM.  
ISIP-2200 psi, 5 min 1650 psi. Flowback  
on 12/64" ck for 3 hrs & died.

6-12-98 5248'-5260' **Frac A sand as follows:**  
95,420# 20/40 sand in 530 bbls Viking.  
Perfs broke @ 3220psi. Treated w/avg  
press of 1850 psi w/avg rate of 28.2 BPM.  
ISIP-1890 psi, 5 min 1775 psi. Flowback  
on 12/64" ck for 4 hrs & died.

6-14-98 4755'-4766' **Frac D sand as follows:**  
114,163# 20/40 sand in 521 bbls Viking.  
Perfs broke @ 3070 psi. Treated w/avg  
press of 2350 psi w/avg rate of 26.4 BPM.  
ISIP-3870 psi, 5 min 2365 psi. Flowback  
on 12/64" ck for 3 hrs & died. Screened out.

3/18/02 Break GB-4 & GB-6 zones. Wait on MIT.  
4/24/02 Perform MIT. Wait on approval to inject.

3/23/07 **5 Year MIT completed and Submitted.**



**PERFORATION RECORD**

Date	Interval	Perforations	Holes
6/09/98	5821'-5830'	4 JSPF	36 hole
6/11/98	5248'-5260'	4 JSPF	48 hole
6/12/98	4755'-4766'	4 JSPF	44 hole
3/18/02	4258'-4268'	4 JSPF	40 hole
3/18/02	4240'-4248'	4 JSPF	32 hole
3/18/02	4186'-4198'	4 JSPF	48 hole

**NEWFIELD**

South Wells Draw #5-10-9-16  
1980 FNL & 660 FWL  
NWNE Section 10-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31811; Lease #U-72107

# South Wells Draw #12-10-9-16

Spud Date: 4/23/98  
 Put on Production: 6/5/98  
 GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
 287 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (287')  
 DEPTH LANDED: 288'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5832')  
 DEPTH LANDED: 5843'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2 7/8" / 6.5#/ N-80 / J-55  
 NO. OF JOINTS: 4 jts. (155.19') M-50  
 NO. OF JOINTS: 153 jts. (4760.67') N-80  
 NO. OF JOINTS: 7 jts. (194.72'') J-55  
 TUBING ANCHOR: 5126.15' KB  
 NO. OF JOINTS: 2 jts ( 61.27')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5191.22' KB  
 NO. OF JOINTS: 2 jts ( 61.27')  
 TOTAL STRING LENGTH: EOT @ 5254.19' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 22' polished rod.  
 SUCKER RODS: 4- 1 1/2" weighted bars, 14- 3/4" guided rods, 93- 3/4" plain rods, 95-3/4" guided 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 Central Hyd pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/26/98 5169'-5165' **Frac A-3 sand as follows:**  
 104,640# 20/40 sand in 531 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi.

5/28/98 4872'-4884' **Frac C sand as follows:**  
 114,680# of 20/40 sand in 554 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 2900 psi.

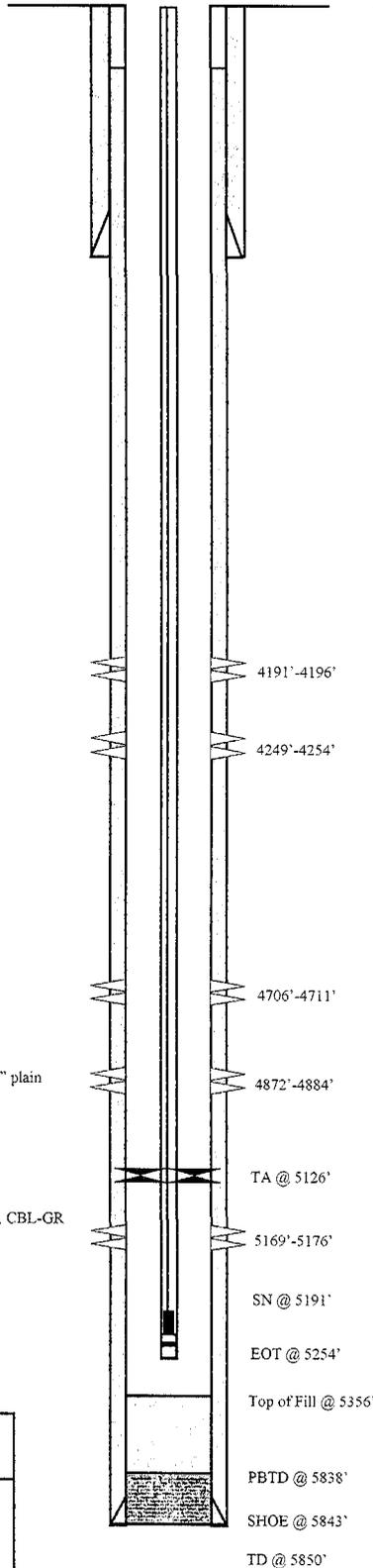
5/30/98 4706'-4711' **Frac D-1 sand as follows:**  
 95,560# 20/40 sand in 503 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi.

6/2/98 4191'-4254' **Frac GB-4 & GB-6 sands as follows:**  
 111,500# of 20/40 sand in 506 bbls Viking I-25 fluid. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP: 2250 psi.

09/11/03 **Pump Change:** Update Tbg & rod detail.  
 08/11/04 **Tubing Leak.** Update tubing & rod detail.

**PERFORATION RECORD**

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes





**Inland Resources Inc.**

**South Wells Draw #12-10-9-16**

2130' FSL & 629' FWL

NW/SW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32046; Lease #UTU-72107

A Ham. E-3

# South Wells Draw #11-10-9-16

Spud Date: 4/23/98

Put on Production:  
6/3/98 GL: 5668'  
KB: 5680'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293')  
DEPTH LANDED: 293' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

**PRODUCTION CASING**

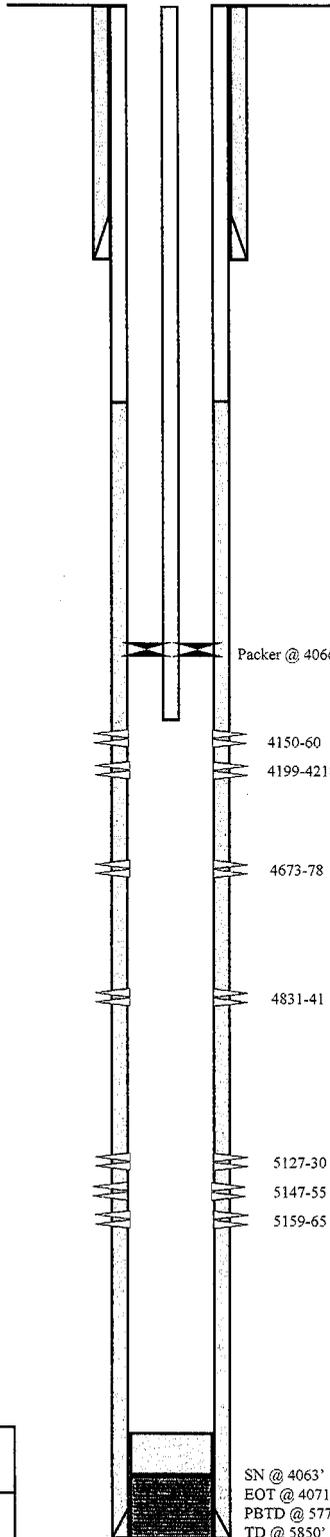
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5815')  
DEPTH LANDED: 5825'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
CEMENT TOP AT: 1669' CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 130 jts. (4050.78')  
SEATING NIPPLE: 4063.88'  
TUBING PACKER: 4066.90'  
TOTAL STRING LENGTH: EOT @ 4071.20'

Initial Production: 124 BOPD,  
132 MCFPD, 11 BWPD

**Injection Wellbore Diagram**



**FRAC JOB**

5/21/98 5127'-5165' **Frac A-1 & A-3 sands as follows:**  
97,420# 20/40 sand in 494 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 3000 psi. Calc. flush: 5127 gal. Actual flush: 4998 gal.

5/26/98 4831'-4841' **Frac C sand as follows:**  
97,480# of 20/40 sand in 508 bbls Viking I-25 fluid. Treated @ avg press of 2100 psi w/avg rate of 26 bpm. ISIP: 2350 psi. Calc. flush: 4831 gal. Actual flush: 4746 gal.

5/28/98 4673'-4678' **Frac D-1 sand as follows:**  
88,960# 20/40 sand in 476 bbls Viking I-25 fluid. Treated @ avg press of 2350 psi w/avg rate of 24 bpm. ISIP: 2500 psi. Calc. flush: 4673 gal. Actual flush: 4662 gal.

5/30/98 4150'-4218' **Frac GB-4 & GB-6 sands as follows:**  
105,300# of 20/40 sand in 513 bbls Viking I-25 fluid. Treated @ avg press of 1900 psi w/avg rate of 28 bpm. ISIP: 2300 psi. Calc. flush: 4150 gal. Actual flush: 4074 gal.

8/17/01 Pump change. Updated rod and tubing details.  
9/21/01 Convert to injector.

**PERFORATION RECORD**

Date	Interval	JSPF	Holes
5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	4831'-4841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes

SN @ 4063'  
EOT @ 4071'  
PBTB @ 5775'  
TD @ 5850'



**Inland Resources Inc.**

**South Wells Draw #11-10-9-16**

1606' FSL & 1898' FWL

NESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32045; Lease #UTU-72107

# Castle Peak Fed. #24-10A-9-16

Spud Date: 5/20/82  
 Put on Production: 6/28/82  
 GL: 5702' KB: 5712'

Initial Production: 47 BOPD,  
 14 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 32#  
 LENGTH:  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sxs cement.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH:  
 DEPTH LANDED: 5997' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 1165 sxs cement.  
 CEMENT TOP AT: 1160' per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55  
 NO. OF JOINTS: 178 jts (5528.60')  
 TUBING ANCHOR: 5538.60'  
 NO. OF JOINTS: 1 jts (31.05')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 5572.45'  
 NO. OF JOINTS: 1 jts (30.92')  
 TOTAL STRING LENGTH: EOT @ 5604.87'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 6-1 1/4" weight bars; 214-3/4" scraped rods; 1-2', 2-6',  
 1-8' x 3/4" pony rods.  
 PUMP SIZE: 2" x 1-1/2" x 16" RWAC w/ sm plunger  
 STROKE LENGTH: 74  
 PUMP SPEED, SPM: 5

### FRAC JOB

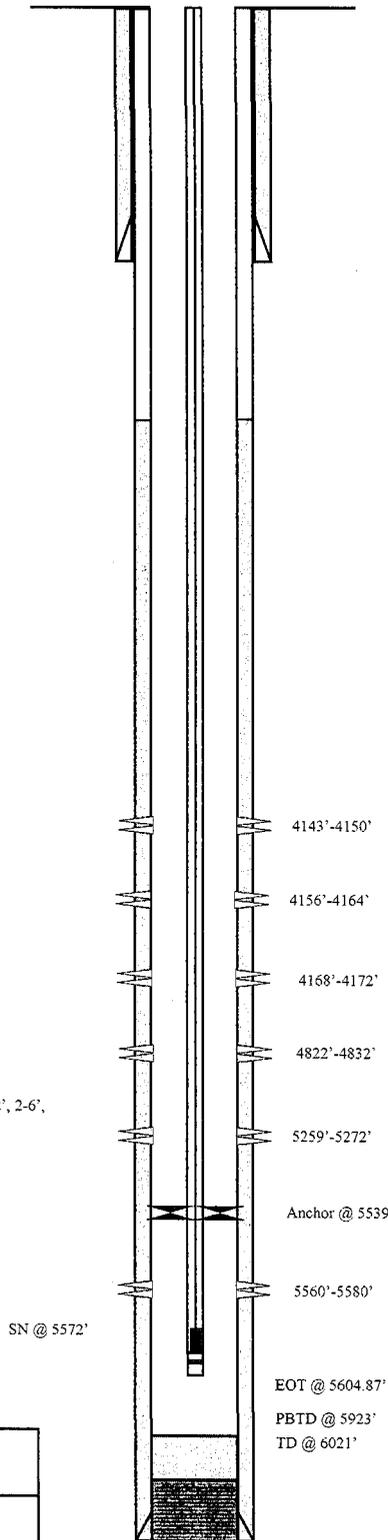
6/10/82 5560'-5580' **Frac CP sand as follows:**  
 33,000# 20/40 sand + 12,000# 10/20 sand in  
 690 bbls YF4PSD frac fluid. Treated @ avg  
 press of 1450 psi w/avg rate of 12 BPM.  
 ISIP 1700 psi. Calc. flush: 5560 gal. Actual  
 flush: 5544 gal.

6/11/82 5259'-5272' **Frac LODC sand as follows:**  
 29,000# 20/40 sand + 6,320# 10/20 sand in  
 644 bbls YF4PSD frac fluid. Treated @ avg  
 press of 1450 psi w/avg rate of 10 BPM.  
 ISIP 3800 psi. Calc. flush: 5259 gal. Actual  
 flush: 5334 gal.

6/12/82 4822'-4832' **Frac C sand as follows:**  
 9,326# 20/40 sand in 375 bbls YF4PSD frac  
 fluid. Treated @ avg press of 1950 psi w/avg  
 rate of 10 BPM. ISIP 3400 psi. Calc. flush:  
 4822 gal. Actual flush: 126 gal.

6/16/02 4143'-4172' **Frac GB4 sand as follows:**  
 63,600# 20/40 sand in 471 bbls Viking I-25  
 frac fluid. Treated @ avg press of 2000 psi  
 w/avg rate of 25.7 BPM. ISIP 2080 psi.  
 Calc. flush: 4143 gal. Actual flush: 4074 gal.

1/27/06 Pump change. Update rod and tubing details  
 12/21/07 Tubing Leak. Updated rod & tubing details.



### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
6/09/82	5560'-5580'	2 JSPP	40 holes
6/11/82	5259'-5272'	2 JSPP	26 holes
6/12/82	4822'-4832'	2 JSPP	20 holes
6/16/02	4168'-4172'	4 JSPP	16 holes
6/16/02	4156'-4164'	4 JSPP	32 holes
6/16/02	4143'-4150'	4 JSPP	28 holes

**NEWFIELD**

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**Castle Peak Fed. #24-10A-9-16**

660' FSL & 1980' FWL

SESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-30555; Lease #U-017985

A Ham. E-5

# Monument Fed. #34-10J-9-16

Spud Date: 1/12/94  
 Put on Production: 2/15/94  
 Put on Injection: 11/09/94  
 GL: 5716' KB: 5726'

Initial Production: 43 BOPD,  
 172 MCFD, 07 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (266.87')  
 DEPTH LANDED: 274'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt. 5 bbl. to surface.

### PRODUCTION CASING

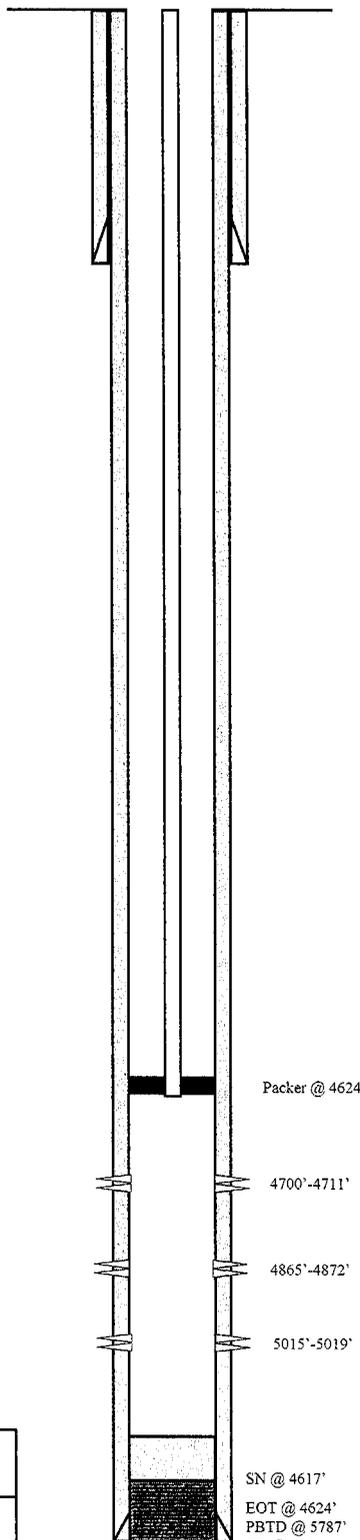
CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5832.04')  
 DEPTH LANDED: 5832.04'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 110 sxs Hilift + 290 sxs Class "G".  
 CEMENT TOP AT: 2730' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 146 jts. (4616.62' KB)  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4617.72' KB  
 TUBING PACKER: 4624.7' KB  
 STRING LENGTH: EOT @ 4624.72' KB

### FRAC JOB

1/31/94	4865'-5019'	<b>Frac zone as follows:</b> 32,000# 16/30 sand in 311 bbls frac fluid. Treated @ avg press of 2500 psi w/avg rate of 29.6 BPM. ISIP 2600 psi. Calc. flush: 4865 gal. Actual flush: 1408 gal.
2/07/94	4700'-4711'	Screened out. <b>Frac zone as follows:</b> 35,720# 16/30 sand in 414 bbls frac fluid. Treated @ avg press of 2500 psi w/avg rate of 25 BPM. ISIP 2000 psi. Calc. flush: 4700 gal. Actual flush: 4698 gal.



### PERFORATION RECORD

1/28/94	5015'-5019'	2 SPF	08 holes
1/28/94	4865'-4872'	1 SPF	07 holes
2/03/94	4700'-4711'	2 SPF	22 holes



**Inland Resources Inc.**  
 Monument Butte Fed. #34-10J-9-16  
 592' FSL & 1979' FEL  
 SWSE Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31416; Lease #U-107985

A.H.M. E-6

# South Wells Draw #9-9-9-16

Spud Date: 5/20/98  
 P  
 ut on Production: 7/15/98

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 311'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbbs cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5830.81')  
 DEPTH LANDED: 5842.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx 28:72 POZ type III & 360 sk Class G  
 CEMENT TOP AT: 2907' CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8"/16.5#/M-50 tbg.  
 NO. OF JOINTS: 132 jts.  
 SEAT NIPPLE: 4104'  
 PACKER: 4107'  
 TOTAL STRING LENGTH: EOT @ 4111'

### FRAC JOB

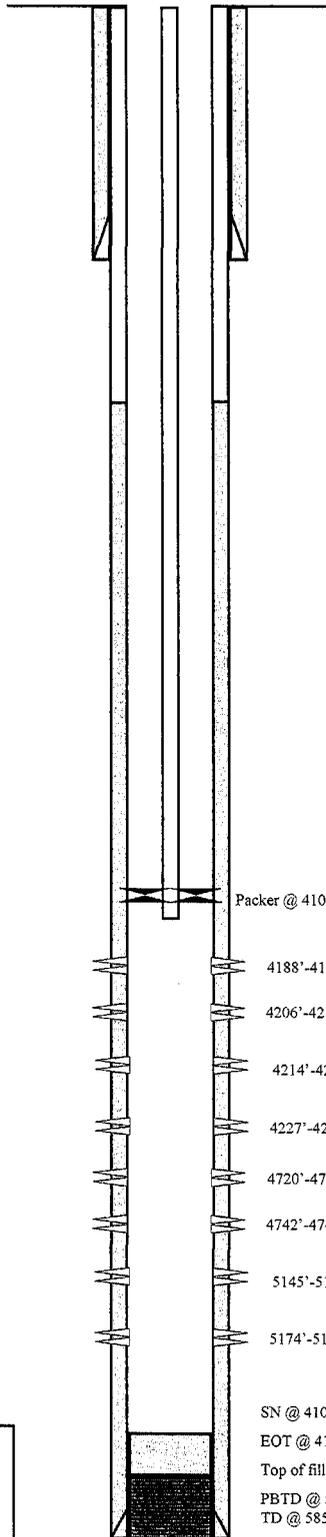
7/2/98 5145'-5186' **Frac A-3 sand as follows:**  
 101,290# 20/40 sand in 455 bbbs Viking I-25 fluid. Perfs brokedown @ 2902 psi. Treated @ avg press of 3000 psi w/avg rate of 30 bpm. Due to rapidly increasing pressure, sand was cut @ blender @ 9.6#. Flushed 63 bbbs before perfs locked up w/9.5 sand @ perfs. ISIP: 3600 psi, 5-min 2877 psi. Flowback on 12/64" choke for 2.5 hours and died.

7/7/98 5026'-5034' **Frac B-2 sand as follows:**  
 96,120# of 20/40 sand in 516 bbbs Viking I-25 fluid. Perfs brokedown @ 3770 psi. Treated @ avg press of 1950 psi w/avg rate of 30 bpm. ISIP-2050 psi, 5-min 1915 psi. Flowback on 12/64" choke for 3.5 hours and died.

7/9/98 4720'-4744' **Frac D-1 sand as follows:**  
 88,475# 20/40 sand in 497 bbbs Viking I-25 fluid. Perfs brokedown @ 3212 psi. Treated @ avg press of 2000 psi w/avg rate of 26 bpm. ISIP: 2340 psi, 5-min 2000 psi. Flowback on 12/64" choke for 4.5 hours and died.

7/11/98 4188'-4232' **Frac GB-4 sands as follows:**  
 93,342# of 20/40 sand in 587 bbbs Viking I-25 fluid. Perfs brokedown @ 3100 psi. Treated @ avg press of 1600 psi w/avg rate of 26.4 bpm. ISIP-2116 psi, 5-min 1857 psi. Flowback on 12/64" choke for 2 hours and died.

11/14/01 **Convert to injector.**  
 11/7/06 **5 Year MIT completed and submitted.**



### PERFORATION RECORD

Date	Interval	Perforations	Holes
7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes

**NEWFIELD**

South Wells Draw #9-9-9-16  
 2081' FSL & 720' FEL  
 NESE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32043; Lease #U-40894

A Ham. E-7

Spud Date: 5-4-98  
 Put on Production: 6-29-98  
 GL: 5757.4' KB: 5767.4'

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

Initial Production: 89 BOPD,  
 102 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 8 jts @ 292.44'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 292.94'  
 CEMENT DATA: 120 sx Premium Plus, est 6 bbbls cmt to surface

**PRODUCTION CASING**

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5824'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5835'  
 CEMENT DATA: 360 sx 28.72 Poz & 375 sx Class G  
 CEMENT TOP AT: surface

**TUBING RECORD**

SIZE/GRADE/WT.: 2 7/8", M-50  
 NO. OF JOINTS: 168 jts (5198.98')  
 TUBING ANCHOR: 5211.16'  
 NO. OF JOINTS: 2 jts (59.28')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5273.16'  
 NO. OF JOINTS: 62.62'  
 EOT: 5337.22'

**SUCKER RODS**

1 - 22' x 1 1/2" Polished Rod  
 4-1 1/2" wt rods, 97-3/4" plain, 95-3/4" scraped, 1-6',  
 2-4' x 3/4" pony rod, 14 x 3/4" scraped rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 10" X 14"  
 RHAC  
 STROKE LENGTH: 56"  
 PUMP SPEED: 8 1/2 SPM

**FRAC JOB**

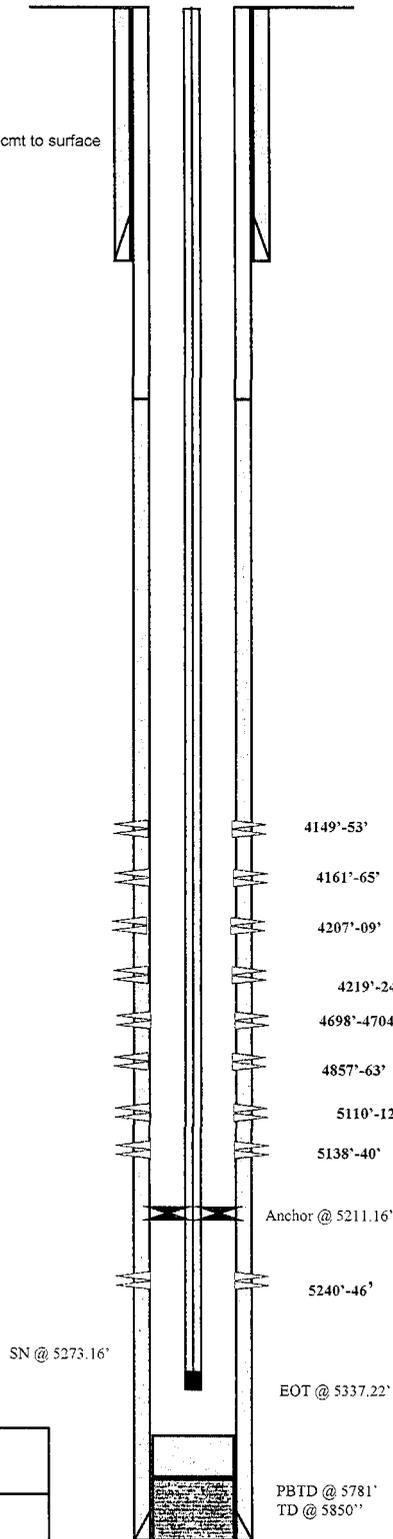
6-19-98 5110'-5246' **Frac A/LDC sand as follows:**  
 77,000# 20/40 sand in 467 bbbls Viking.  
 Perfs broke @ 3260 psi. ISIP-3740 psi,  
 5 min 3120 psi. Flowback on 12/64" ck for 3 hrs & died.

6-21-98 4857'-4863' **Frac C sand as follows:**  
 54,400# 20/40 sand in 260 bbbls Viking.  
 Perfs broke @ 2385 psi. Treated w/avg  
 press of 2000 psi w/avg rate of 29 BPM.  
 Screened out.

6-24-98 4698'-4704' **Frac D sand as follows:**  
 104,000# 20/40 sand in 436 bbbls Viking.  
 Perfs broke @ 3520 psi. Treated w/avg  
 press of 2310 psi w/avg rate of 25.4 BPM.  
 ISIP-2310 psi, 5 min 2150 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

6-26-98 4149'-4224' **Frac GB sand as follows:**  
 108,354# 20/40 sand in 646 bbbls Viking.  
 Perfs broke @ 2710 psi. Treated w/avg  
 press of 1770 psi w/avg rate of 26 BPM.  
 ISIP-2350 psi, 5 min 2050 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

9/7/07 Tubing Leak. Updated rod & tubing details.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
6-18-98	5110'-5112'	4 JSPF	8 holes
6-18-98	5138'-5140'	4 JSPF	8 holes
6-18-98	5240'-5246'	4 JSPF	8 holes
6-20-98	4857'-4863'	4 JSPF	8 holes
6-23-98	4698'-4704'	4 JSPF	24 holes
6-25-98	4149'-4153'	4 JSPF	16 holes
6-25-98	4161'-4165'	4 JSPF	16 holes
6-25-98	4207'-4209'	4 JSPF	8 holes
6-25-98	4219'-4224'	4 JSPF	20 holes

**NEWFIELD**

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**S. Wells Draw #16-9-9-16**

696 FSL 744 FEL  
 SESE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32044; Lease #U-40894

A Hawk. 6-8

# FEDERAL 15-9-9-16

Spud Date: 03/27/07  
 Put on Production: 05/18/07  
 GL:5788' KB:5800'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.28')  
 DEPTH LANDED: 324.13' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6038.30')  
 DEPTH LANDED: 6051.55' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 179 jts (5602.27')  
 TUBING ANCHOR: 5614.27'  
 NO. OF JOINTS: 2 jts (63.15')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5680.22'  
 NO. OF JOINTS: 2 jts (63.13')  
 TOTAL STRING LENGTH: EOT @ 5744.90'

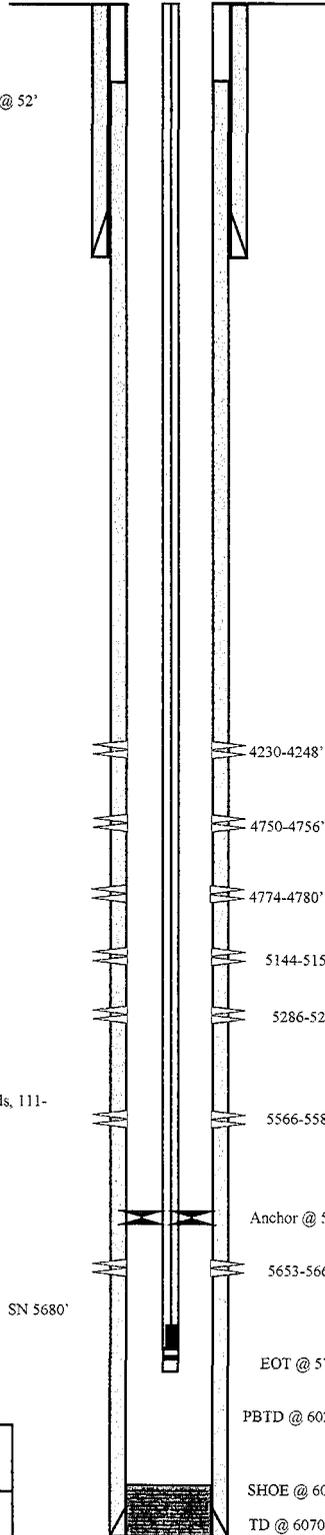
### SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 1-2', 6' & 1-8' x 3/4" pony subs, 99-3/4" guided rods, 111-3/4" slick rods, 10-3/4" guided rods, 6-1 1/2" weight bars.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15' RHAC w/ sm plunger  
 STROKE LENGTH: 76"  
 PUMP SPEED, 5 SPM:

### FRAC JOB

05/09/07	5653-5664'	<b>Frac CP2 sands as follows:</b> 19973# 20/40 sand in 326 bbls Lightning 17 frac fluid. Treated @ avg press of 1977 psi w/avg rate of 24.7 BPM. ISIP 1722 psi. Calc flush: 5651 gal. Actual flush: 5166 gal.
05/14/07	5566-5580'	<b>Frac CP.5 sands as follows:</b> 45412# 20/40 sand in 433 bbls Lightning 17 frac fluid. Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM. ISIP 1956 psi. Calc flush: 5564 gal. Actual flush: 5122 gal.
05/14/07	5286-5292'	<b>Frac LODC sands as follows:</b> 19538# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2539 psi w/avg rate of 24.8 BPM. ISIP 2675 psi. Calc flush: 5284 gal. Actual flush: 4830 gal.
05/14/07	5144-5154'	<b>Frac A3 sands as follows:</b> 45178# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 1893 psi w/avg rate of 24.8 BPM. ISIP 2111 psi. Calc flush: 5142 gal. Actual flush: 4662 gal
05/14/07	4750-4780'	<b>Frac D2 sands as follows:</b> 60592# 20/40 sand in 489 bbls Lightning 17 frac fluid. Treated @ avg press of 1606 psi w/avg rate of 24.8 BPM. ISIP 1847 psi. Calc flush: 4748 gal. Actual flush: 4284 gal
05/14/07	4230-4248'	<b>Frac GB6 sands as follows:</b> 92270# 20/40 sand in 664 bbls Lightning 17 frac fluid. Treated @ avg press of 1955 psi w/avg rate of 24.8 BPM. ISIP 2175 psi. Calc flush: 4228 gal. Actual flush: 4116 gal
9-5-07		Pump Change Updated rod & tubing details.
12-13-07		Pump Change. Updated rod & tubing details.

Cement Top @ 52'



### PERFORATION RECORD

05/09/07	5653-5664'	4 JSPF	44 holes
05/14/07	5566-5580'	4 JSPF	56 holes
05/14/07	5286-5292'	4 JSPF	24 holes
05/14/07	5144-5154'	4 JSPF	40 holes
05/14/07	4774-4780'	4 JSPF	24 holes
05/14/07	4750-4756'	4 JSPF	24 holes
05/14/07	4230-4248'	4 JSPF	72 holes

**NEWFIELD**

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**FEDERAL 15-9-9-16**

731' FSL & 1804' FEL

SW/SE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33054; Lease # UTU-020252 A

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

Spud Date: 8/03/08  
 Put on Production: 9/09/08  
 GL: 5712' KB: 5724'

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.99')  
 DEPTH LANDED: 324.84'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sx of Class "G" cement

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts. (6496.62')  
 DEPTH LANDED: 6254.87'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300sx of Prelite & 400 sx of 50/50 poz  
 CEMENT TOP AT: 200'

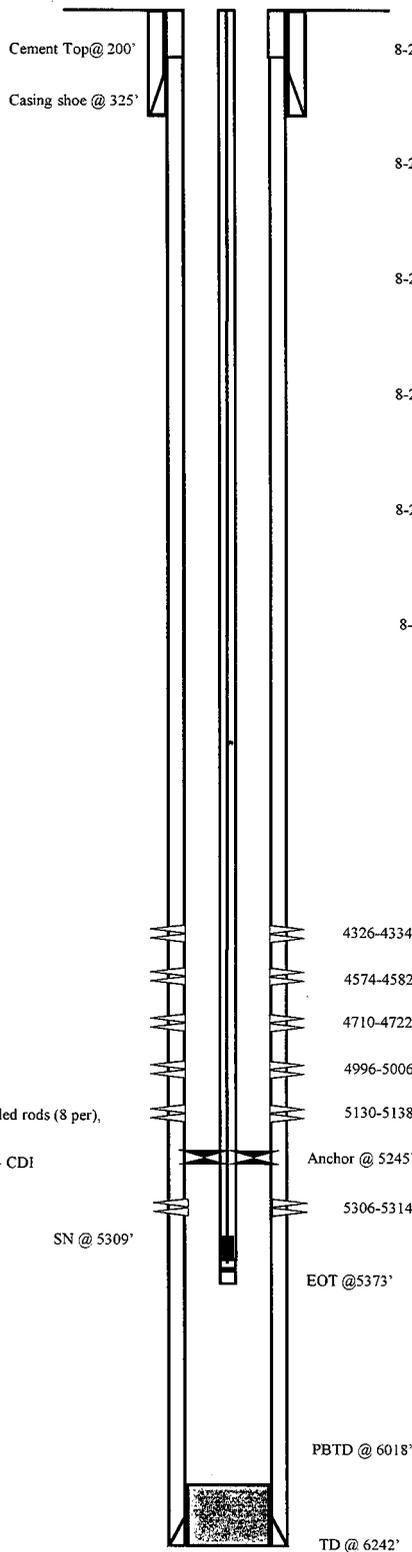
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 170 jts (5232.78')  
 TUBING ANCHOR: 5244.78'  
 NO. OF JOINTS: 2 jts (61.69')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5309.27'  
 NO OF JOINTS: 2 jts (61.70')  
 TOTAL STRING LENGTH: EOT @ 5372.57'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod.  
 SUCKER RODS: 1-2', 6', 8', x 7/8" pony subs, 207-7/8" guided rods (8 per), 4-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" x 19.5 RHAC rod pump- CDI  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5

## Wellbore Diagram



## FRAC JOB

8-29-08 5306-5314' **Frac A1 sds as follows:**  
 Frac w/40,245#s of 20/40 sand in 430 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2781 psi w/ ave rate of 22.9 BPM. ISIP 4100 psi. Actual flush: 4885 gals.

8-29-08 5130-5138' **Frac B2 sds as follows:**  
 Frac w/24,627#s of 20/40 sand in 360 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2215 psi w/ ave rate of 23.1 BPM. ISIP 2003 psi. Actual flush: 4624 gals.

8-29-08 4996-5006' **Frac C sds as follows:**  
 Frac w/45,080#s of 20/40 sand in 438 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2077 psi w/ ave rate of 22.8 BPM. ISIP 2192 psi. Actual flush: 4507 gals.

8-29-08 4710-4722' **Frac DS1 sds as follows:**  
 Frac w/30,050#s of 20/40 sand in 385 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2236 psi w/ ave rate of 23.0 BPM. ISIP 2291 psi. Actual flush: 4200 gals.

8-29-08 4574-4582' **Frac PB11 sds as follows:**  
 Frac w/25,866#s of 20/40 sand in 350 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2153 psi w/ ave rate of 23.0 BPM. ISIP 2211 psi. Actual flush: 4066 gals.

8-29-08 4326-4334' **Frac GB6 sds as follows:**  
 Frac w/31,865#s of 20/40 sand in 353 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1971 psi w/ ave rate of 22.9 BPM. ISIP 1951 psi. Actual flush: 4242 gals.

## PERFORATION RECORD

Date	Interval	Tool	Holes
8-29-08	4326-4334'	4 JSPF	32 holes
8-29-08	4574-4582'	4 JSPF	32 holes
8-29-08	4710-4722'	4 JSPF	48 holes
8-29-08	4996-5006'	4 JSPF	40 holes
8-29-08	5130-5138'	4 JSPF	32 holes
8-29-08	5306-5314'	4 JSPF	32 holes

**NEWFIELD**

S. Wells Draw #N-10-9-16  
 2151' FSL & 623' FWL  
 NWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33779; Lease #UTU-72107

Spud Date: 3/29/08  
 Put on Production: 5/21/08  
 GL: 5776' KB: 5788'

# State 1-16-9-16

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 152 jts  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5835'  
 CEMENT DATA: 300 sx Prem. Lite II & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 90'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5491.1')  
 TUBING ANCHOR: 5503'  
 NO. OF JOINTS: 1 jt (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5537' KB  
 NO. OF JOINTS: 2 jts (62.9')  
 TOTAL STRING LENGTH: EOT @ 5602 w/12 kb

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod 'B'  
 SUCKER RODS: 1-2', 1-4' x 3/4" pony rods, 95- 3/4" guided rods, 43-3/4" sucker rods, 74- 3/4" guided rods, 6- 1 1/2" sinker bars, 6-1" stabilizer rods  
 PUMP SIZE: 2-1/2" x 1-1/4" x 12' x 16' RHAC pump 'CDI'  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4

### FRAC JOB

05-15-08 5549-5556' **Frac CP1 sds as follows:**  
 19,592# 20/40 sand in 324 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2457 psi @ ave rate of 23.1 BPM. ISIP 1720 psi. Actual Flush: 5040 gals.

05-15-08 5200-5211' **Frac LODC sds as follows:**  
 44,487# 20/40 sand in 448 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2174 psi @ ave rate of 23.4 BPM. ISIP 2560 psi. Actual Flush: 4696 gals.

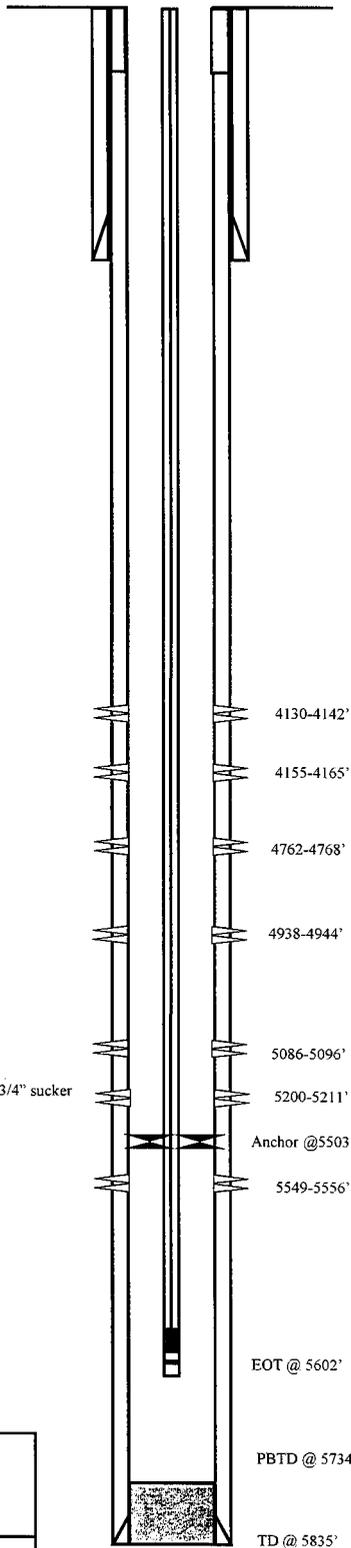
05-15-08 5086-5096' **Frac A1 sds as follows:**  
 45,335# 20/40 sand in 439 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1987 psi @ ave rate of 23.3 BPM. ISIP 2240 psi. Actual Flush: 4578 gals.

05-15-08 4938-4944' **Frac B2 sds as follows:**  
 20,020# 20/40 sand in 310 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2133 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1885 psi. Actual Flush: 4431 gals.

05-15-08 4762-4768' **Frac D3 sds as follows:**  
 20,619# 20/40 sand in 307 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1898 psi @ ave rate of 23.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2099 psi. Actual Flush: 4255 gals.

05-15-08 4155-4165' **Frac GB4 & GB6 sds as follows:**  
 91,335# 20/40 sand in 664 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1983 psi @ ave rate of 23.3 BPM. ISIP 1900 psi. Actual Flush: 4078 gals.

2/19/09 Pump Change. Updated r & t details.  
 9/17/09 Tubing Leak. Updated rod & tubing details.  
 11/19/09 Pump Change. Updated rod & tubing.  
 6/14/2010 Tubing Leak. Update rod and tubing details  
 03/25/11 Pump Change. Rod & tubing updated.



### PERFORATION RECORD

4130-4142'	4 JSPF	48 holes
4155-4165'	4 JSPF	40 holes
4762-4768'	4 JSPF	24 holes
4938-4944'	4 JSPF	24 holes
5086-5096'	4 JSPF	40 holes
5200-5211'	4 JSPF	44 holes
5549-5556'	4 JSPF	28 holes

**NEWFIELD**



State 1-16-9-16  
 687' FNL & 831' FEL  
 NE/NE Section 16-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33845; Lease #Utah State ML-16532

# Greater Monument Butte R-10-9-16

Spud Date: 7/12/2011  
 Put on Production: 9/14/2011  
 GL: 5705' KB: 5717'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (314.06')  
 DEPTH LANDED: 324.38' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

**PRODUCTION CASING**

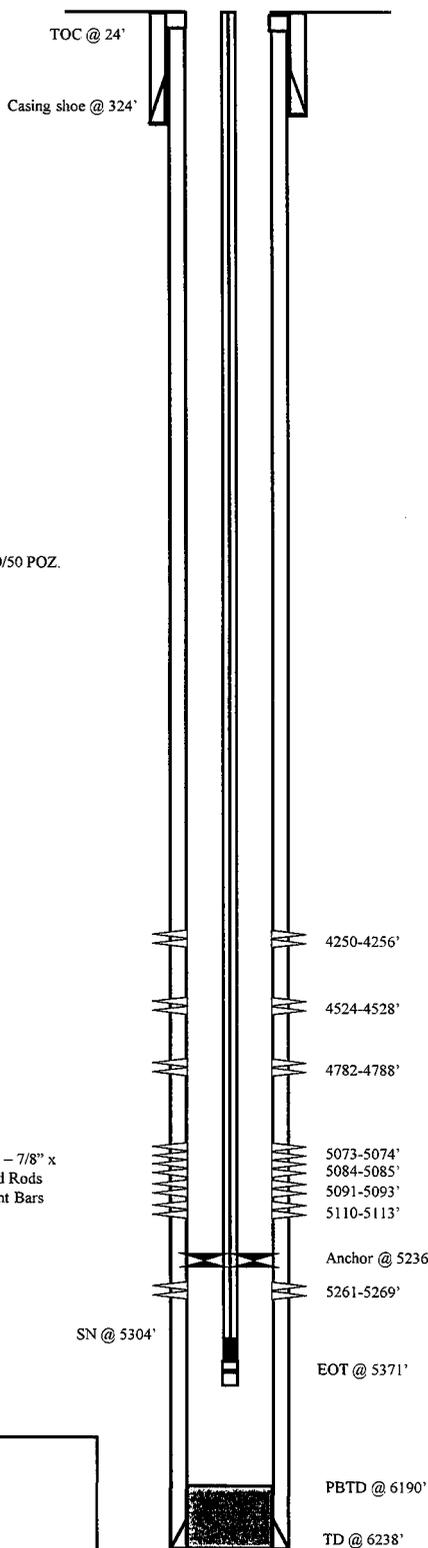
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6198.77')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6214.38' KB  
 CEMENT DATA: 260 sxs Prem. Lite II mixed & 460 sxs 50/50 POZ.  
 CEMENT TOP AT: 24'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 161 jts. (5225.1')  
 TUBING ANCHOR: 5235.9'  
 NO. OF JOINTS: 2 jts. (64.8')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5303.5' KB  
 BLEED NIPPLE: 5304.6' KB  
 NO. OF JOINTS: 2 jts. (64.8')  
 NOTCHED COLLAR: 5370.2' KB  
 TOTAL STRING LENGTH: EOT @ 5371' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, [Polished Rod], 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 8' Pony Rod, 100 - 7/8" 4per Guided Rods (2500'), 104 - 3/4" 4per Guided Rods (2600'), 5 - 1 1/2" Weight Bars (125'), 5 - 1" x 4' Stabilizer Pony Rod (20')  
 PUMP SIZE: 2 1/2 x 1 3/4" x 20' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: 4 SPM



**FRAC JOB**

Date	Job ID	Description
8/8/2011	5261-5269'	<b>Frac A3, sands as follows:</b> Frac with 45116# 20/40 white sand in 299 bbls Lightning 17 fluid; 518 total bbls fluid to recover.
8/18/2011	5073-5113'	<b>Frac B2 and B1, sands as follows:</b> Frac with 34454# 20/40 white sand in 298 bbls Lightning 17 fluid; 471 total bbls fluid to recover.
8/18/2011	4782-4788'	<b>Frac D1, sands as follows:</b> Frac with 19177# 20/40 white sand in 167 bbls Lightning 17 fluid; 280 total bbls fluid to recover.
8/18/2011	4524-4528'	<b>Frac PB8, sands as follows:</b> Frac with 19101# 20/40 white sand in 167 bbls Lightning 17 fluid; 274 total bbls fluid to recover.
8/18/2011	4250-4256'	<b>Frac GB4, sands as follows:</b> Frac with 25032# 20/40 white sand in 205 bbls Lightning 17 fluid; 304 total bbls fluid to recover.

**PERFORATION RECORD**

Depth Range	Tool Joint	Holes
4250-4256'	3 JSPF	18 holes
4524-4528'	3 JSPF	12 holes
4782-4788'	3 JSPF	18 holes
5073-5074'	3 JSPF	3 holes
5084-5085'	3 JSPF	3 holes
5091-5093'	3 JSPF	6 holes
5110-5113'	3 JSPF	9 holes
5261-5269'	3 JSPF	24 holes



**Greater Monument Butte R-10-9-16**  
 644' FSL & 2017' FWL (SE/SW)  
 Section 10, T9S, R16E  
 Duchesne County, Utah  
 API # 43-013-50539; Lease #UTU-72107

# Greater Monument Butte C-15-9-16

Spud Date: 7/11/2011  
 Put on Production: 8/25/2011  
 GL: 5705' KB: 5717'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (312.87')  
 DEPTH LANDED: 323.19' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 170 sxs Class "G" cmt

**PRODUCTION CASING**

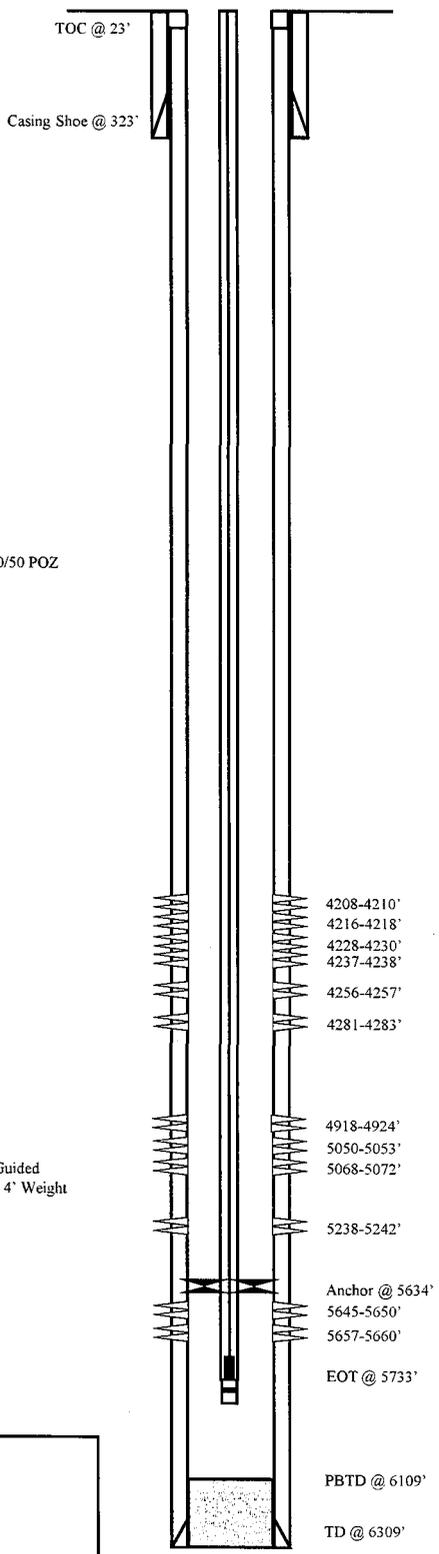
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (6179.07') – Including Shoe Joint  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6196.68' KB  
 CEMENT DATA: 245 sxs Prem. Lite II mixed & 460 sxs 50/50 POZ  
 CEMENT TOP AT: 23'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jts. (5621.92')  
 TUBING ANCHOR: 5633.92' KB  
 NO. OF JOINTS: 1 jt. (31.6')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5668.33' KB  
 NO. OF JOINTS: 2 jts. (63.2')  
 NOTCHED COLLAR: 5730.6' KB  
 TOTAL STRING LENGTH: EOT @ 5733.07' KB

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 – 7/8" x 4' Pony Rod, 120 – 7/8" 4per Guided Rods (3000'), 99 – 3/4" x 4per Guided Rod (2475'), 5 – 1" x 4' Weight Bars (20'), 5 – 1" x 4' Stabilizer Bar (20')  
 PUMP SIZE: 2 1/2 x 1 1/2" x 21' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: 5 SPM



**FRAC JOB**

**8/8/2011 5645-5660' Frac CP1, sands as follows:**  
 Frac with 59554# 20/40 sand in 264 bbls Lightning 17 fluid; 564 bbls total fluid to recover.

**8/17/2011 5050-5242' Frac A3 and B2, sands as follows:**  
 Frac with 44321# 20/40 sand in 209 bbls Lightning 17 fluid; 415 bbls total fluid to recover.

**8/17/2011 4918-4924' Frac C, sands as follows:**  
 Frac with 29822# 20/40 sand in 177 bbls Lightning 17 fluid; 338 bbls total fluid to recover.

**8/17/2011 4208-4283' Frac GB4 and GB6, sands as follows:**  
 Frac with 91815# 20/40 sand in 759 bbls Lightning 17 fluid; 1282 bbls total fluid to recover.

**PERFORATION RECORD**

4208-4210'	3 JSPF	6 holes
4216-4218'	3 JSPF	6 holes
4228-4230'	3 JPSF	6 holes
4237-4238'	3 JSPF	3 holes
4256-4257'	3 JSPF	3 holes
4281-4283'	3 JSPF	6 holes
4918-4924'	3 JSPF	18 holes
5050-5053'	3 JSPF	9 holes
5068-5072'	3 JSPF	12 holes
5238-5242'	3 JSPF	12 holes
5645-5650'	3 JSPF	15 holes
5657-5660'	3 JSPF	9 holes



**Greater Monument Butte C-15-9-16**  
 624' FSL & 2022' FWL (SE/SW)  
 Section 15, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-50540; Lease #UTU-72107

# South Wells Draw 12-10-9-16

Spud Date: 4/23/98  
 Put on Production: 6/5/98  
 GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
 287 MCFPD, 8 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (287')  
 DEPTH LANDED: 288' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

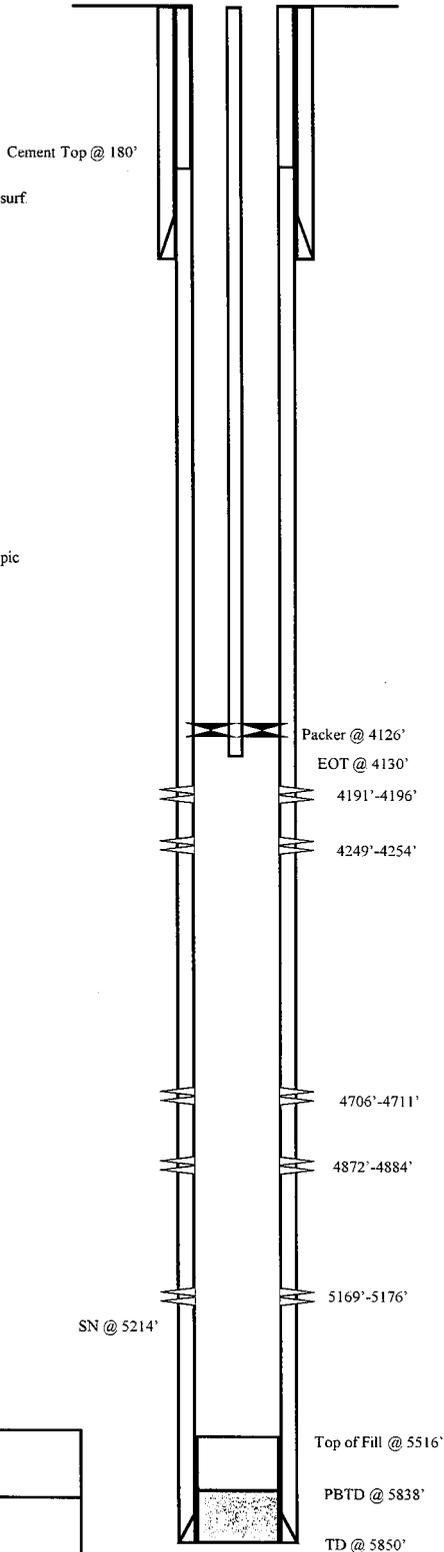
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5832')  
 DEPTH LANDED: 5843'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT: 180'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 132 jts. (4109.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4121.4'  
 CE @ 4125.73'  
 TOTAL STRING LENGTH: EOT @ 4130' KB

## Injection Wellbore Diagram



## FRAC JOB

5/26/98	5169'-5176'	<b>Frac A-3 sand as follows:</b> 104,640# 20/40 sand in 531 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi.
5/28/98	4872'-4884'	<b>Frac C sand as follows:</b> 114,680# of 20/40 sand in 554 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP-2900 psi.
5/30/98	4706'-4711'	<b>Frac D-1 sand as follows:</b> 95,560# 20/40 sand in 503 bbls Viking I-25 fluid. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi.
6/2/98	4191'-4254'	<b>Frac GB-4 &amp; GB-6 sands as follows:</b> 111,500# of 20/40 sand in 506 bbls Viking I-25 fluid. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP-2250 psi.
09/11/03		<b>Pump Change:</b> Update Tbg & rod detail.
9/25/08		<b>Pump Change:</b> Updated r & t detail.
2/26/10		<b>Convert well to Injection</b>
3/3/10		<b>MIT completed - updated tbg detail</b>

## PERFORATION RECORD

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes



**South Wells Draw #12-10-9-16**  
 2130' FSL & 629' FWL  
 NW/SW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32046; Lease #UTU-72107

# Castle Peak Unit #11-15

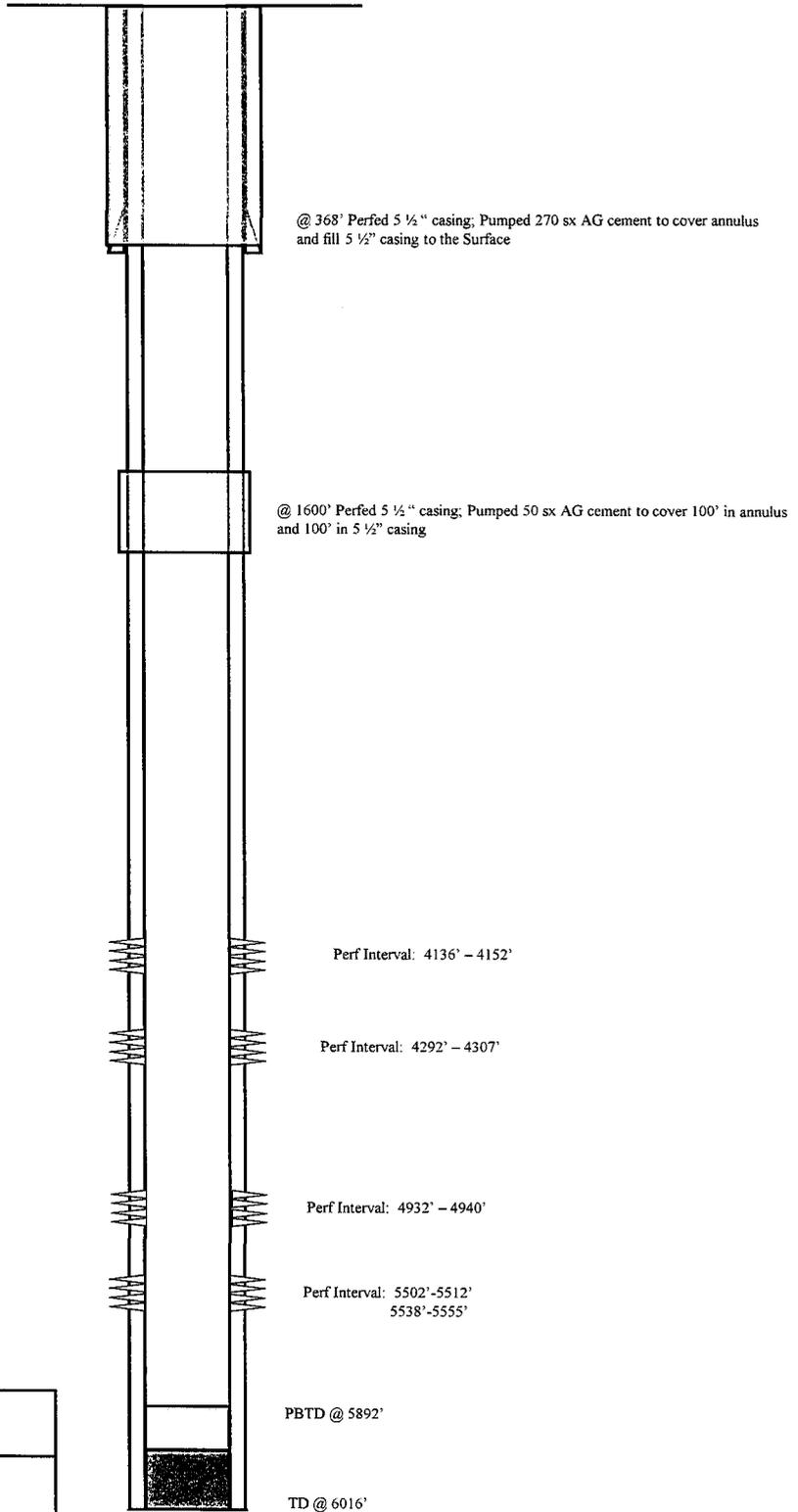
Spud Date: 6/1/1982  
P&A'd: 9/18/1990  
GL: 5752'

Put on Production: 8/26/1982

Cum Prod: 2719 BO; 11,204 Mcf

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock Corp. Current status on file is P&A'd.

P & A  
Wellbore Diagram



<b>NEWFIELD</b> 
<b>Castle Peak Unit #11-15</b> 626' FNL & 515' FWL NWNW Section 15-T9S-R16E Duchesne Co, Utah API #43-013-30664; Lease #U-017985

Spud Date: 2-7-94

# Balcron Monument Federal #21-15J

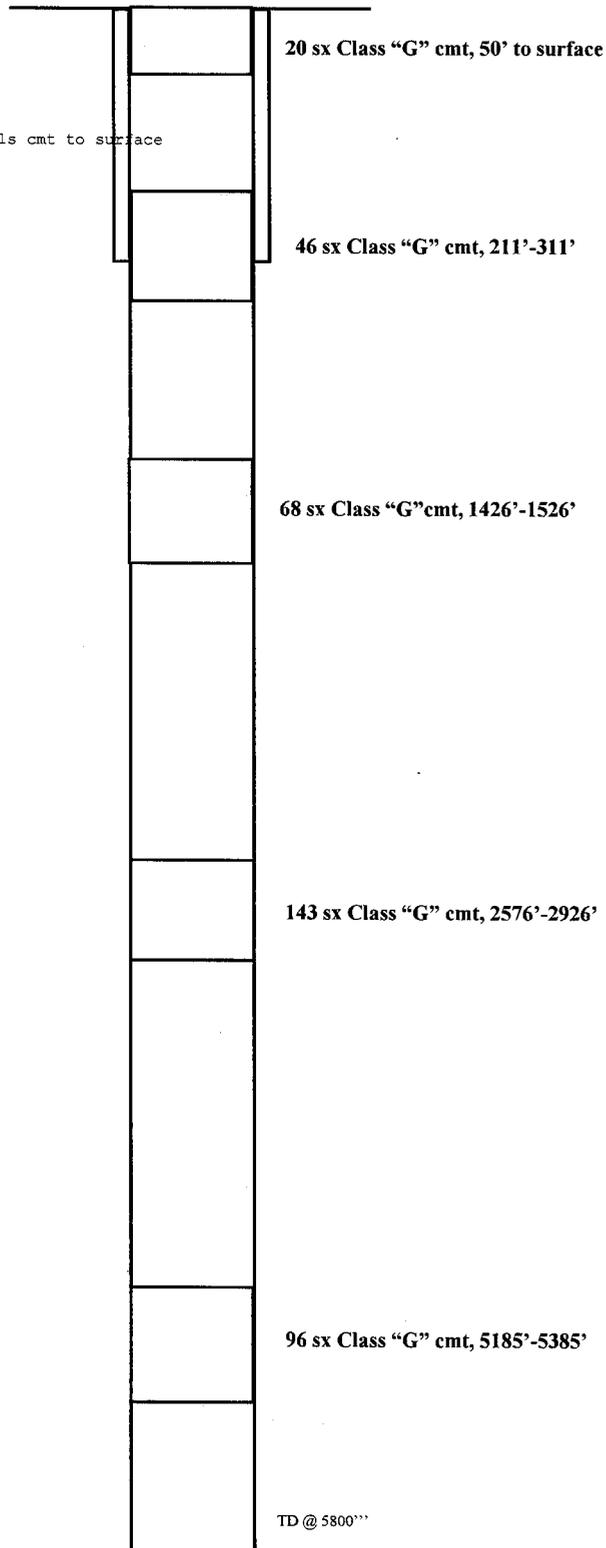
Put on Production:

GL: 5737.20' KB: 5747.20'

Wellbore Diagram

**SURFACE CASING**

SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24 #  
LENGTH: 5 jts @ 205.74'  
HOLE SIZE: 12 1/4"  
DEPTH LANDED: 249.40  
CEMENT DATA: 150 sx Class G, est 3 bbls cmt to surface



**NEWFIELD**



Balcron Monument Federal #21-15J  
645 FNL 1830 FWL  
NENW Section 15-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31422; Lease #U-017985

West Coast Region  
5125 Boylan Street  
Bakersfield, CA 83308  
(661) 325-4138  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	NEWFIELD EXPLORATION	Sales RDT:	31706
Region:	WESTERN REGION	Account Manager:	RANDY HUBER (435) 823-0023
Area:	MYTON, UT	Sample #:	43420
Lease/Platform:	SOUTH WELLS DRAW	Analysis ID #:	79309
Entity (or well #):	13-10-9-16	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 43420 @ 75 °F					
Sampling Date:	02/13/08	<b>Anions</b>	mg/l	meq/l	<b>Cations</b>	mg/l	meq/l
Analysis Date:	02/22/08	<b>Chloride:</b>	13644.0	384.85	<b>Sodium:</b>	9398.8	408.82
Analyst:	LISA HAMILTON	<b>Bicarbonate:</b>	1187.0	19.45	<b>Magnesium:</b>	1.5	0.12
TDS (mg/l or g/m3):	24451.5	<b>Carbonate:</b>	173.0	5.77	<b>Calcium:</b>	0.1	0.
Density (g/cm3, tonne/m3):	1.017	<b>Sulfate:</b>	3.0	0.06	<b>Strontium:</b>	1.0	0.02
Anion/Cation Ratio:	1	Phosphate:			<b>Barium:</b>	3.0	0.04
Carbon Dioxide:		Borate:			<b>Iron:</b>	8.0	0.29
Oxygen:		Silicate:			<b>Potassium:</b>	32.0	0.82
Comments:		Hydrogen Sulfide:			<b>Aluminum:</b>		
		pH at time of sampling:			<b>Chromium:</b>		
		pH at time of analysis:		8.79	<b>Copper:</b>		
		<b>pH used in Calculation:</b>		<b>8.79</b>	<b>Lead:</b>		
					<b>Manganese:</b>	0.1	0.
					<b>Nickel:</b>		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO3		Gypsum CaSO4*2H2O		Anhydrite CaSO4		Celestite SrSO4		Barite BaSO4		CO2 Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	-1.34	0.00	-6.95	0.00	-7.01	0.00	-4.14	0.00	-0.55	0.00	0.02
100	0	-1.42	0.00	-6.97	0.00	-6.97	0.00	-4.13	0.00	-0.71	0.00	0.05
120	0	-1.50	0.00	-6.99	0.00	-6.90	0.00	-4.12	0.00	-0.85	0.00	0.09
140	0	-1.56	0.00	-6.99	0.00	-6.81	0.00	-4.09	0.00	-0.96	0.00	0.18

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
 Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
 Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

West Coast Region  
5125 Boylan Street  
Bakersfield, CA 83308  
(661) 325-4138  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	NEWFIELD EXPLORATION	Sales RDT:	31706
Region:	WESTERN REGION	Account Manager:	RANDY HUBER (435) 823-0023
Area:	MYTON, UT	Sample #:	409372
Lease/Platform:	MONUMENT BUTTE FEDERAL	Analysis ID #:	78567
Entity (or well #):	INJECTION SYSTEM	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	TRIPLEX SUCTION		

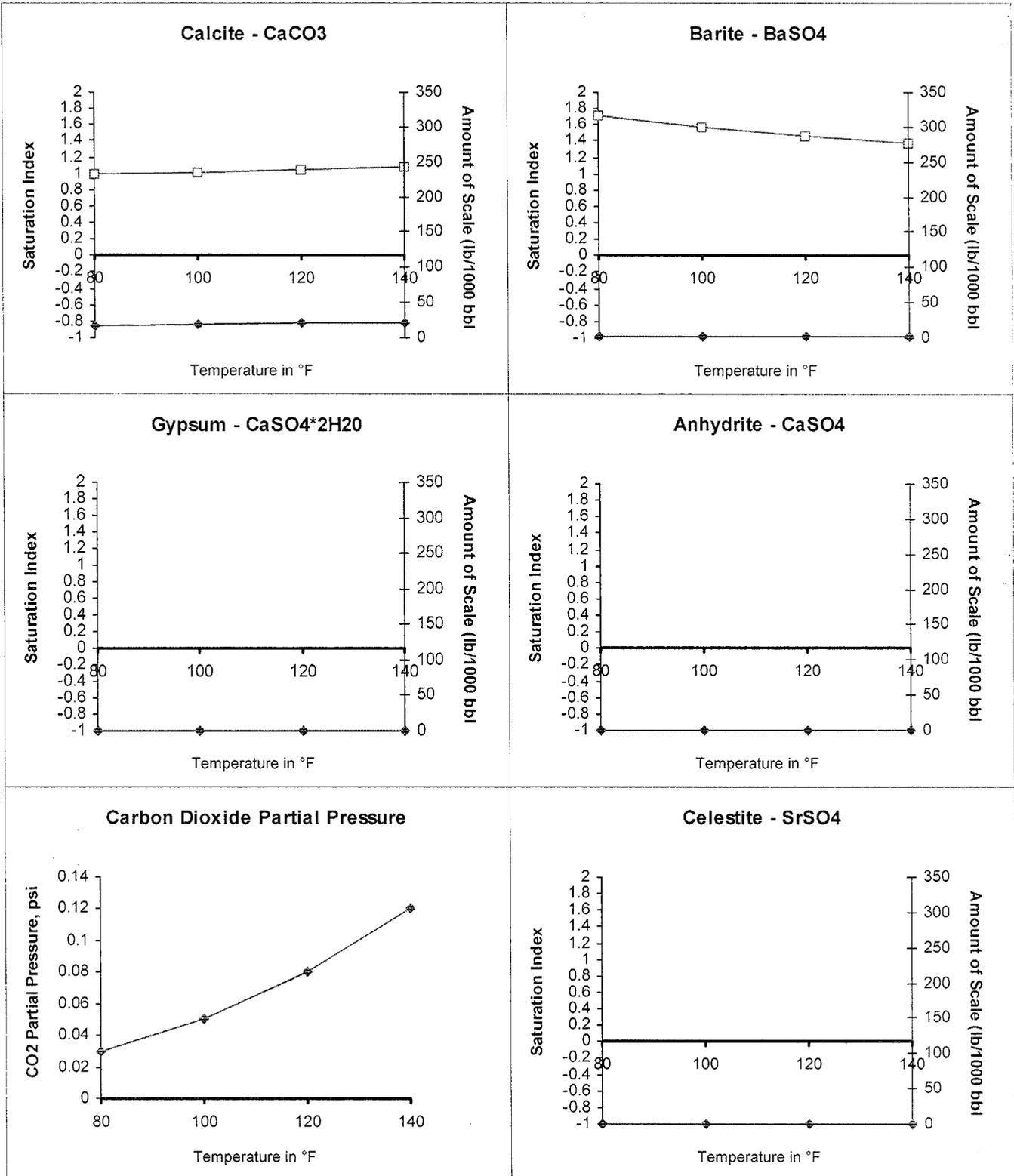
Summary		Analysis of Sample 409372 @ 75 °F					
Sampling Date:	01/21/08	<b>Anions</b>	mg/l	meq/l	<b>Cations</b>	mg/l	meq/l
Analysis Date:	01/25/08	Chloride:	1529.0	43.13	Sodium:	1199.3	52.17
Analyst:	STACEY SMITH	Bicarbonate:	577.0	9.46	Magnesium:	18.0	1.48
TDS (mg/l or g/m3):	3497	Carbonate:	34.0	1.13	Calcium:	34.0	1.7
Density (g/cm3, tonne/m3):	1.002	Sulfate:	92.0	1.92	Strontium:	2.0	0.05
Anion/Cation Ratio:	1.0000003	Phosphate:			Barium:	5.0	0.07
Carbon Dioxide:		Borate:			Iron:	0.1	0.
Oxygen:		Silicate:			Potassium:	6.5	0.17
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		8.48	Copper:		
		pH used in Calculation:		8.48	Lead:		
					Manganese:	0.050	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	1.00	17.46	-2.30	0.00	-2.37	0.00	-1.78	0.00	1.71	2.79	0.03
100	0	1.02	18.86	-2.31	0.00	-2.31	0.00	-1.76	0.00	1.57	2.79	0.05
120	0	1.05	20.26	-2.30	0.00	-2.23	0.00	-1.73	0.00	1.46	2.79	0.08
140	0	1.08	21.66	-2.29	0.00	-2.12	0.00	-1.69	0.00	1.37	2.79	0.12

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
 Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
 Note 3: The reported CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.

### Scale Predictions from Baker Petrolite

Analysis of Sample 409372 @ 75 °F for NEWFIELD EXPLORATION, 01/25/08



**Attachment "G"**

**South Wells Draw 13-10-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4836	4972	4904	2300	0.91	2269
4416	4428	4422	1600	0.80	1571
				<b>Minimum</b>	<u>1571</u> ←

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

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

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



Attachment G-1  
1 of 2

### Daily Completion Report

**S. WELLS DRAW 13-10-9-16**  
SW/SW Section 10, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32047

Spud Date: 8/15/98  
MIRU Drl Rig: 8/15/98, Union #14  
TD: 5850'  
Completion Rig: Flint #4357

**9/9/98 PO: Perf & break down C&B sds. (Day 1)**

Summary: 9/8/98 – CP: 0. MIRU Flint #4357. NU BOP. PU & TIH w/4-3/4" bit, 5-1/2" csg scraper, 186 jts 2-7/8" 8rd 6.5# M-50 tbg. Tag PBTD @ 5790'. Press test csg & BOP to 3000 psi. TOH w/tbg. LD bit & scraper. SIFN.  
DC: \$21,279 TWC: \$174,563

**9/10/98 PO: Frac C/B sds. (Day 2)**

Summary: 9/9/98 – CP: 0. RU Schlumberger & perf C/B sds @ 4836-40', 4933-36', 4958-64' & 4966-72' w/4 jspf. TIH w/5-1/2" RTTS pkr & tbg. Set pkr @ 4886'. Break dn perms 4933' through 4972' @ 3200 psi. Get IR of 1 BPM @ 1400 psi. Break dn perms 4836-40' @ 3400 psi. Get IR of 1 BPM @ 1600 psi. Lost 2 BW. Release pkr. Pull OET to 4830'. IFL @ sfc. Made 11 swab runs, rec 101 BTF w/tr oil & gas. FFL @ 4600'. SIFN.  
DC: \$3,743 TWC: \$178,306

**9/11/98 PO: Perf PB sds. PU & frac tbg & pkr. (Day 3)**

Summary: 9/10/98 – TP: 50, CP: 50. Bleed gas off well. IFL @ 4200'. Made 2 swab runs, rec 7 BTF w/tr oil. FFL @ 4600'. TOH w/tbg. NU isolation tool. RU BJ Services & frac C/B sds w/112,100# 20/40 sd in 548 bbls Viking I-25 fluid. Perfs broke back @ 3118 psi @ 21 BPM. Treated @ ave press of 2080 psi w/ave rate of 30.4 BPM. ISIP: 2300 psi, 5 min: 2180 psi. Flowback on 12/64 choke for 3-1/2 hrs & died. Rec 170 BTF (est 31% of load). SIFN w/est 378 BWTR.  
DC: \$24,259 TWC: \$202,565

**9/12/98 PO: Frac PB sds dn tbg. (Day 4)**

Summary: 9/11/98 – CP: 250. Bleed off est 8 bbls frac fluid. TIH w/5-1/2" RBP & tbg. Set plug @ 4603'. Press test plug to 3000 psi. Swab FL dn to 3900'. Rec 84 BTF. TOH w/tbg. RU Schlumberger & perf PB sds @ 4416-28' w/4 jspf. PU & TIH w/5-1/2" RTTS pkr & 136 jts 2-7/8 8rd 6.5# L-80 tbg. Set pkr @ 4280'. RU swab equipment. IFL @ 3900'. Made 1 swab run, rec 1 BTF. FFL @ 4200'. SIFN w/est 285 BWTR.  
DC: \$4,890 TWC: \$207,455

**9/13/98 PO: LD frac string & pkr. Pull plug. CO PBTD. Swab. (Day 5)**

Summary: 9/12/98 – TP: 250, CP: 0. Bleed gas off tbg. IFL @ 4100'. Made 1 dry swab run. Fill csg w/61 BW. RU BJ Services to tbg & frac PB sds w/8,220# 20/40 sd in 66 bbls Viking I-25 fluid. Perfs broke dn @ 3990 psi. Treated @ ave press of 2220 psi w/ave rate of 12.6 BPM. ISIP: 1600 psi, 5 min: 1485 psi. Flowback on 12/64 choke for 1 hr & died. Rec 45 BTF (est 68% of load). SIFN w/est 367 BWTR.  
DC: \$11,960 TWC: \$219,415

**9/14/98 SD for Sunday.**



Attachment 9-1

2 of 2

## Daily Completion Report – Page Two

**S. WELLS DRAW 13-10-9-16**  
SW/SW Section 10, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32047

Spud Date: 8/15/98  
MIRU Drl Rig: 8/15/98, Union #14  
TD: 5850'  
Completion Rig: Flint #4357

**9/15/98 PO: Swab well. Trip production tbg. (Day 6)**

Summary: 9/14/98 – TP: 0, CP: 0. Release pkr @ 4280'. Circ. TOH & LD 136 jts L-80 tbg & pkr. TIH w/RH & M-50 tbg. Tag sd @ 4453'. CO sd to RBP @ 4603'. Release plug. TOH w/tbg. LD plug. TIH w/NC & tbg. Tag sd @ 5543'. CO sd to PBSD @ 5790'. Circ hole clean. Lost est 30 BW. Pull EOT to 5674'. IFL @ sfc. Made 5 swab runs, rec 72 BTF w/tr oil & tr sd. FFL @ 1000'. SIFN w/est 325 BWTR.  
DC: \$3,568 TWC: \$222,983

**9/16/98 PO: PU rods. Place well on production. (Day 7)**

Summary: 9/15/98 – TP: 0, CP: 0. IFL @ 700'. Made 15 swab runs, rec 182 BO (est 170 BW, 12 BO) w/no sd & strong gas. FFL @ 3100'. Pmp 30 BW dn tbg. TIH w/tbg. Tag PBSD @ 5790 (no fill). TOH w/tbg. TIH w/production tbg as follows: 2-7/8" NC, 2 jts tbg, SN, 4 jts tbg, 5-1/2" TA, 156 jts 2-7/8 8rd 6.5# tbg. Had to displace oil & gas f/well 4 times on TIH. Lost add'l 100 BW, rec est 40 BO. ND BOP. Set TA @ 4861' w/SN @ 4989' & EOT @ 5053'. Land tbg w/12,000# tension. NU wellhead. SIFN w/est 285 BWTR.  
DC: \$2,800 TWC: \$225,783

**9/17/98 PO: Well on production. (Day 8)**

Summary: 9/16/98 – TP: 0, CP: 0. Circ well dn tbg w/40 BW. Returned 40 BW w/tr oil. PU & TIH w/rod string as follows: 2-1/2 x 1-1/2 x 10 x 14' RHAC pmp, 4 – 1-1/2" weight rods, 4 – 3/4" scraped rods, 95 – 3/4" plain rods, 96 – 3/4" scraped rods, 1 – 8' x 3/4" pony rod, 1-1/2" x 22' polished rod. Seat pmp. RU pumping unit. With hole full, press test pmp & tbg to 400 psi. Stroke pmp up w/unit to 800 psi. Good pmp action. RDMO. **PLACE WELL ON PRODUCTION @ 12:30 PM, 9/16/98 w/72" SL @ 8 SPM.** Est 285 BWTR.  
DC: \$107,736 TWC: \$333,519

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4321'.
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 41 Class G Cement down 5 -1/2" casing to 354.

The approximate cost to plug and abandon this well is \$35,401.

A Hummer H-1

# S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
Put on Production: 9/16/98  
GL: 5738' KB: 5748' (10' KB)

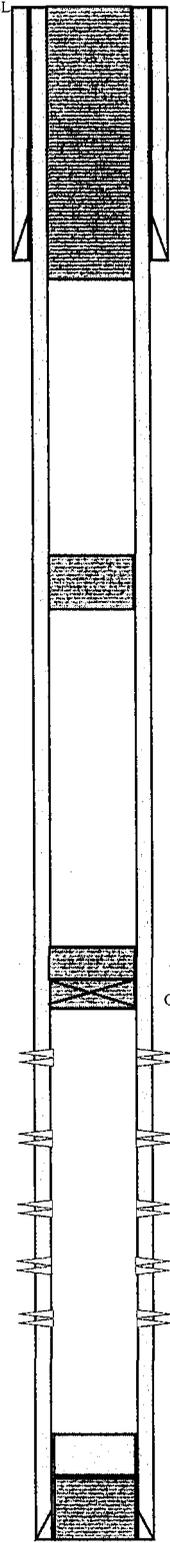
Initial Production: 12 BOPD,  
86 MCFD, 2 BWPD

## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (294')  
DEPTH LANDED: 304' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbis to surf.

CEMENT TOP AT: Surface per CBL



Pump 41sx Class G Cement down 5 -1/2" casing to 354'

Casing Shoe @ 304'

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 @ 4321'

4416'-4428'

4836'-4840'

4933'-4936'

4958'-4964'

4966'-4972'

PBTD @ 5790'

TD @ 5843'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5834')  
SET AT: 5843' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
CEMENT TOP AT: Surface per cement bond log(Schlumberger)



S. Wells Draw #13-10-9-16  
610 FSL 632 FWL  
SWSW Section 10-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32047; Lease #UTU-72107

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.  
USA UTU-72107

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
S WELLS DRAW UNIT

8. Well Name and No.  
S WELLS DRAW 13-10-9-16

9. API Well No.  
4301332047

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435 646 3721

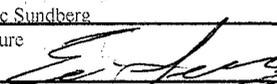
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
610 FSL 632 FWL  
SWSW Section 10 T9S R16E

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

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

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

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

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

Title  
Regulatory Analyst

Date  
3/17/08

**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)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72107
<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: S WELLS DRAW 13-10-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013320470000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0610 FSL 0632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <span style="border: 1px solid black; padding: 2px;">PUT ON INJECTION</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/25/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The above reference well was put on injection at 9:30 AM on  
05/25/2012.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
  
**Date:** June 04, 2012  
  
**By:**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/25/2012	

# S. Wells Draw 13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.(294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

CEMENT TOP AT:  
 Surface per CBL

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4291.5')  
 SEATING NIPPLE: 2-7/8"  
 SN LANDED AT: 4301.5' KB  
 CE @ 4305 8'  
 TOTAL STRING LENGTH: EOT @ 4306' KB

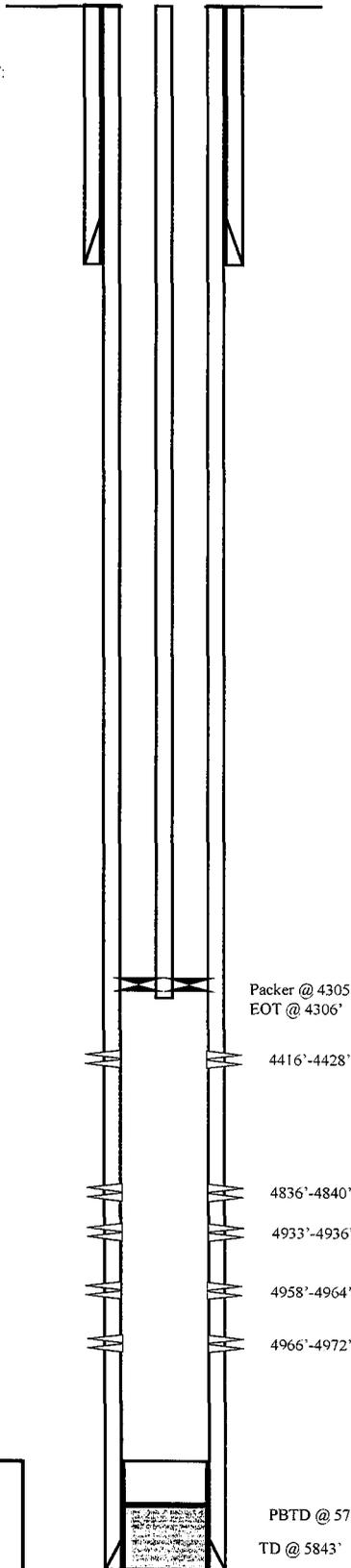
### FRAC JOB

9/11/98 4836'-4972' **Frac B-1 & B-2 sand as follows:**  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10 sand as follows:**  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

04/06/12 **Convert to Injection Well**

04/10/12 **Conversion MIT Finalized** – update tbg detail



### PERFORATION RECORD

Date	Depth Range	Perforation Type	Number of Holes
9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes

**NEWFIELD**

  
**S. Wells Draw 13-10-9-16**  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

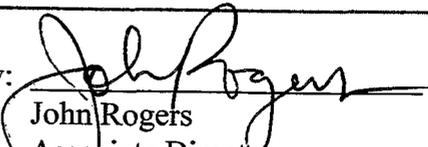
Cause No. UIC-231

**Operator:** Newfield Production Company  
**Well:** South Wells Draw 13-10-9-16  
**Location:** Section 10, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32047  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 15, 2012.
2. Maximum Allowable Injection Pressure: 1,571 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,979' – 5,843')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

5-14-2012  
Date

JR/MLR/js

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

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



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72107
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: S WELLS DRAW 13-10-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013320470000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0610 FSL 0632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The subject well has been converted from a producing oil well to an injection well on 04/06/2012. On 04/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/10/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

Date: May 03, 2012

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/13/2012	

# Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 4/10/12 Time 11:00  am  pm

Test Conducted by: Trent Horrocks

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

Well: South Wells Draw 13-10-9-16	Field: Monument Butte
Well Location: SWD 13-10-9-16	API No: 43-013-32047
SW1SW Sec. 10 T9S R16E Duch. Co. UT.	

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1250</u>	psig
5	<u>1250</u>	psig
10	<u>1250</u>	psig
15	<u>1250</u>	psig
20	<u>1250</u>	psig
25	<u>1250</u>	psig
30 min	<u>1250</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

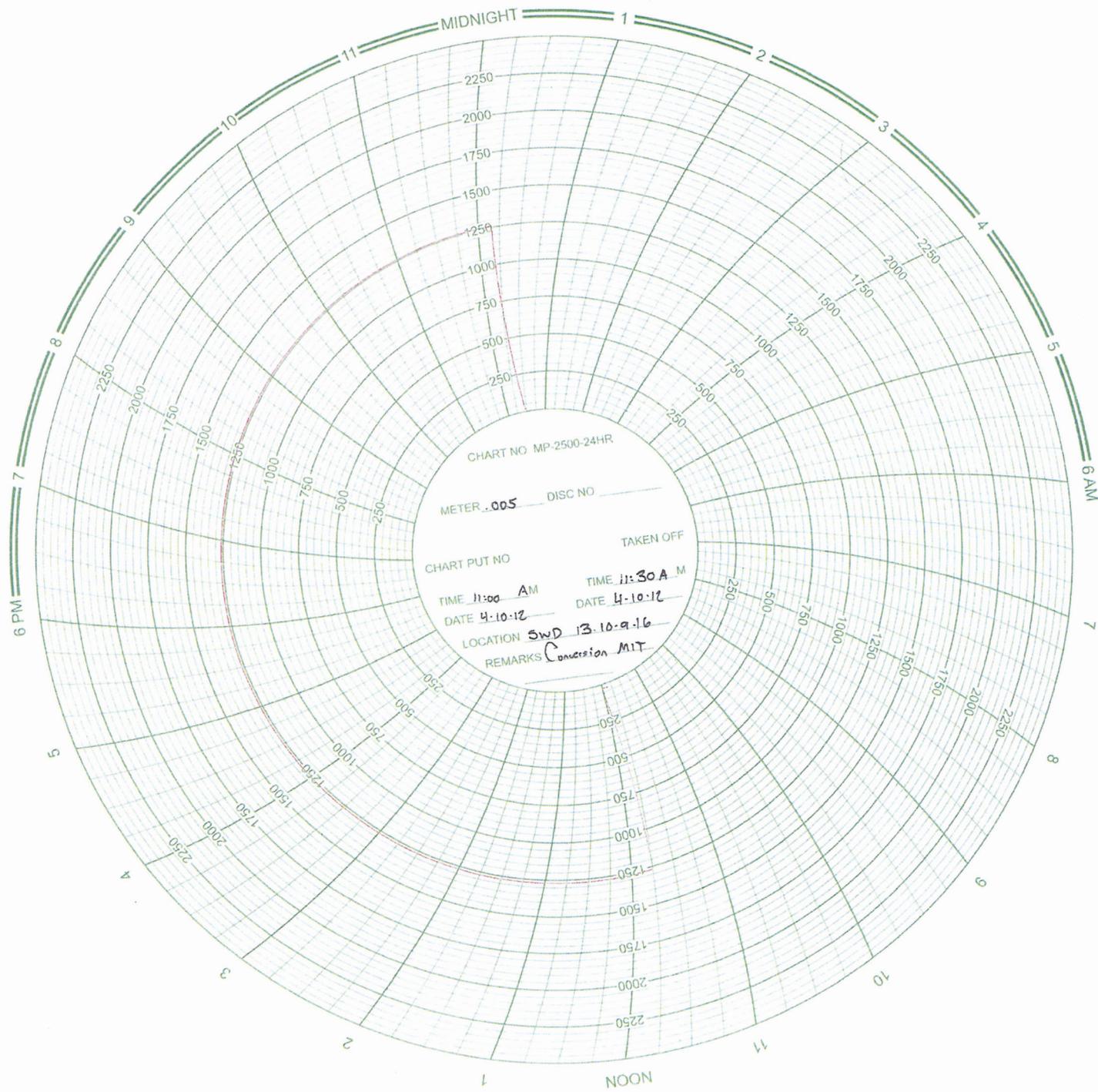
Tubing pressure: 50 psig

Result:  Pass  Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Trent Horrocks

Sundry Number: 24829 API Well Number: 43013320470000





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 15, 2012

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

Subject: Greater Monument Butte Unit Well: South Wells Draw 13-10-9-16, Section 10, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32047

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 amended application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,979 feet in the South Wells Draw 13-10-9-16 well.

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

Sincerely,

  
John Rogers  
Associate Director

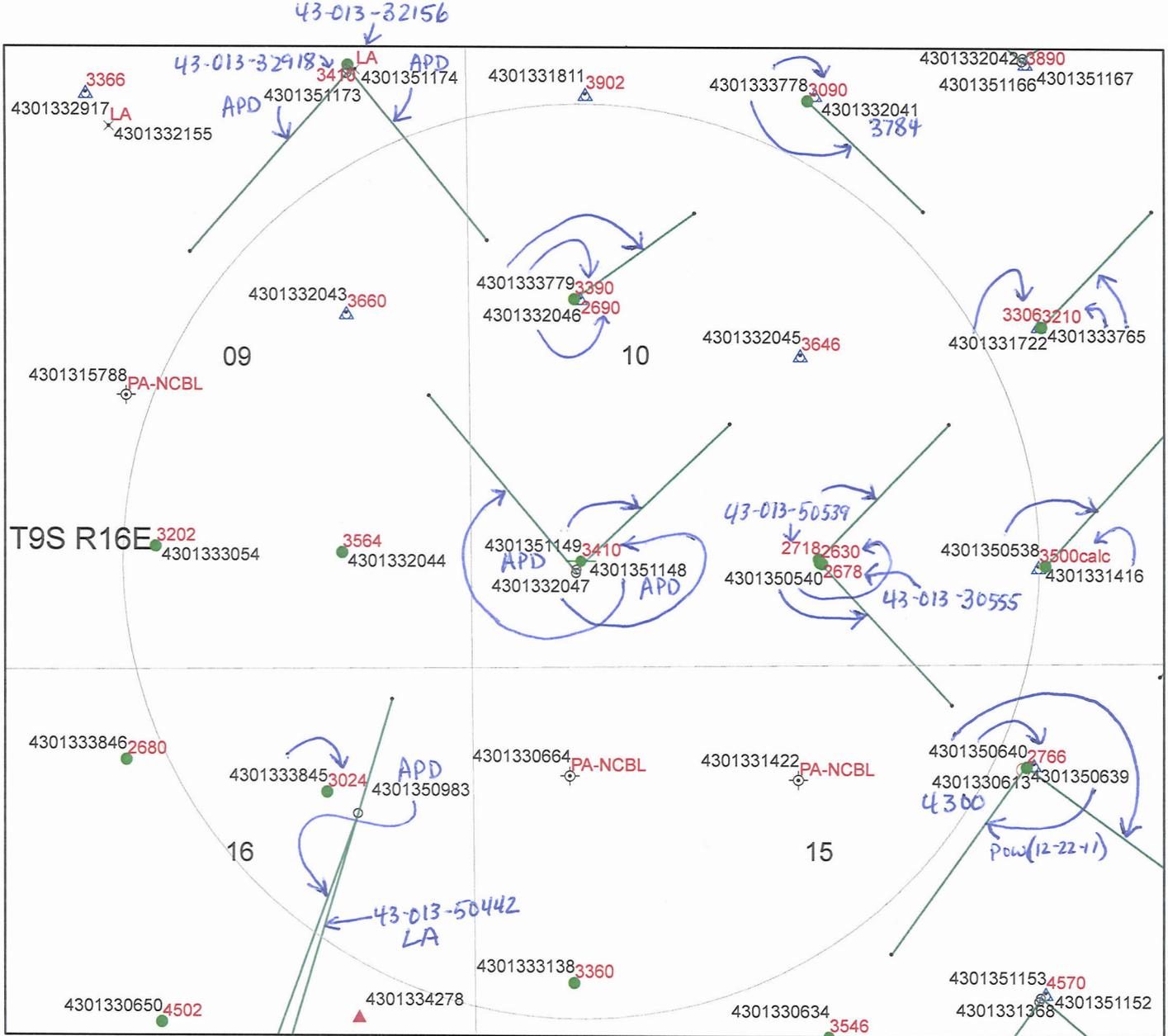
JR/MLR/js

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

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

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# Cement Bond Tops

## SOUTH WELLS DRAW 13-10-9-16

API #43-013-32047  
UIC-231-04.4

### Legend

- |   |     |
|---|-----|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_32 | PGW |
| <b>SGID93.ENERGY.DNROilGasWells</b>       | POW |
| <b>GIS_STAT_TYPE</b>                      | RET |
| APD                                       | SGW |
| DRL                                       | SOW |
| GIW                                       | TA  |
| GSW                                       | TW  |
| LA  | WDW |
| LOC                                       | WIW |
| OPS                                       | WSW |
| PA  |     |

- SGID93.BOUNDARIES.Counties
  - SGID93.ENERGY.DNROilGasWells\_HDBottom
  - SGID93.ENERGY.DNROilGasWells\_HDPath
  - Wells-CbttopsMaster02\_03\_12



1870calc = approx cement top calculated from well completion report



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

**Applicant:** Newfield Production Company **Well:** S Wells Draw 13-10-9-16 (amended submittal)

**Location:** 10/9S/16E **API:** 43-013-32047

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 304 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,843 feet. A cement bond log demonstrates adequate bond in this well up to about 3,410 feet. A 2 7/8 inch tubing with a packer is proposed to be set at 4,381 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Previously, a UIC Conversion Permit was issued for the well on 6/12/2001 to Inland Resources Inc. An amended application was received from Newfield on 3/20/2008. Considerable time has elapsed since the previous permit was issued and the amended application was submitted. Several new wells have been drilled in the AOR. Therefore, it has been deemed necessary to re-evaluate wells in the AOR prior to re-issuing the UIC Permit. On the basis of surface locations, there are 8 producing wells, 4 injection wells, 1 shut-in well (the proposed injection well), and 2 P/A wells in the AOR. Additionally, there is one currently permitted surface location outside the AOR for a directional well to be drilled to a bottom hole location inside the AOR. Also, there is one permitted surface location inside the AOR from which a horizontal well will be drilled to a bottom hole location outside the AOR. All existing wells in the AOR have evidence of adequate casing and cement for the proposed injection interval. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**S Wells Draw 13-10-9-16**

**page 2**

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1500 feet. Injection shall be limited to the interval between 3,979 feet and 5,843 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 13-10-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,571 psig. The requested maximum pressure is 1,571 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

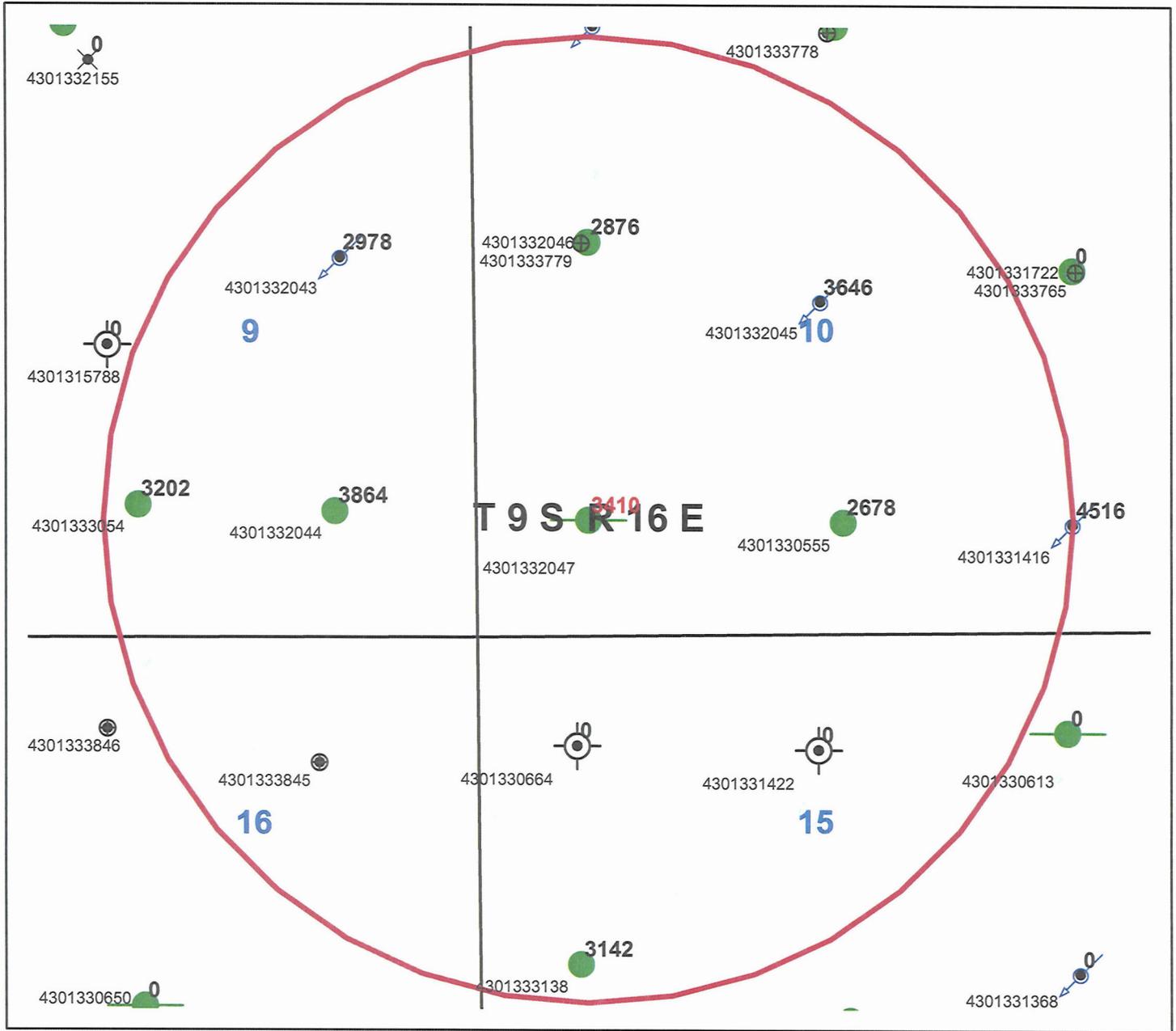
**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the South Wells Draw Unit July 16, 2001. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue. Both the initial application by Inland Resources Inc. (received 2/5/2001) and the subsequent amended application by Newfield Exploration Company (received 3/20/2008) were submitted as South Wells Draw Unit. Subsequently, on December 1, 2009, the Board of Oil, Gas & Mining approved the Greater Monument Butte Unit, which incorporates the South Wells Draw Unit and many others into a single larger unit.

**Bonding:** Bonded with the BLM.

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

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

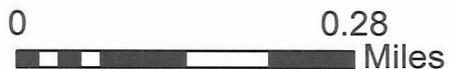
Reviewer(s): Mark Reinbold Date 2/10/2012 (amended submittal)



# South Wells Draw 13-10-9-16

## Legend

- |                    |     |     |
|--------------------|-----|-----|
| <b>wells point</b> | ●   | POW |
| <b>WELLTYPE</b>    | ☀   | SGW |
| ⚡                  | —●— | SOW |
| ⚙                  | ⚡   | TA  |
| ×                  | ○   | TW  |
| •                  | ⚡   | WDW |
| ⊙                  | ⚡   | WIW |
| ☀                  | ●   | WSW |



<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>1. TYPE OF WELL</b> Water Injection Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72107
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 13-10-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0610 FSL 0632 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013320470000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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: 9/20/2013	<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 09/20/2013. Results from the test indicate that the fracture gradient is 0.847 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1571 psi to 1800 psi.

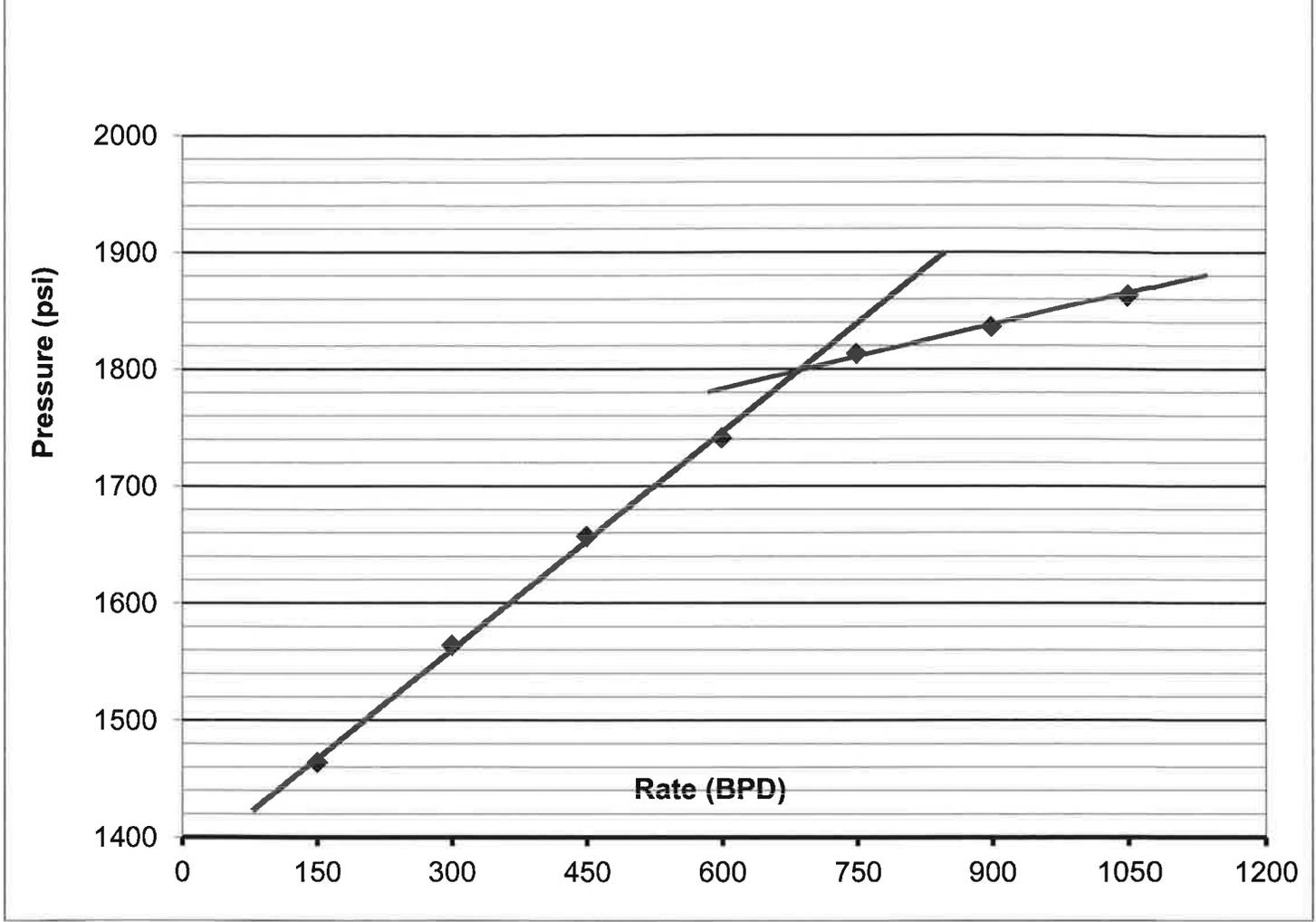
**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: October 24, 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> 9/24/2013	

**South Wells Draw 13-10-9-16  
Greater Monument Butte Unit  
Step Rate Test  
September 20, 2013**



<b>Start Pressure:</b>	1406 psi	<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
		1	150	1464
		2	300	1564
<b>Top Perforation:</b>	4416 feet	3	450	1657
<b>Fracture pressure (Pfp):</b>	1800 psi	4	600	1741
<b>FG:</b>	0.847 psi/ft	5	750	1813
		6	900	1836
		7	1050	1863

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 09/23/2013 08:07:33  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\South Wells Draw 13-10-9-16 SRT (9-20-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Sep 20, 2013 08:59:59 AM MDT  
 Data End Date: Sep 20, 2013 12:59:59 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

**South Wells Draw 13-10-9-16 SRT (9-20-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Sep 20, 2013 08:59:59 AM	1406.4
2	Sep 20, 2013 09:04:59 AM	1406.6
3	Sep 20, 2013 09:09:59 AM	1407.4
4	Sep 20, 2013 09:14:59 AM	1404
5	Sep 20, 2013 09:19:59 AM	1404.2
6	Sep 20, 2013 09:24:59 AM	1405.6
7	Sep 20, 2013 09:30:00 AM	1408.2
8	Sep 20, 2013 09:35:01 AM	1422
9	Sep 20, 2013 09:40:00 AM	1434.4
10	Sep 20, 2013 09:44:59 AM	1443.2
11	Sep 20, 2013 09:49:59 AM	1450.8
12	Sep 20, 2013 09:54:59 AM	1458.4
13	Sep 20, 2013 09:59:59 AM	1464
14	Sep 20, 2013 10:04:59 AM	1498.8
15	Sep 20, 2013 10:09:59 AM	1516.2
16	Sep 20, 2013 10:15:00 AM	1530.4
17	Sep 20, 2013 10:19:59 AM	1541.6
18	Sep 20, 2013 10:25:00 AM	1554.2
19	Sep 20, 2013 10:29:59 AM	1564
20	Sep 20, 2013 10:34:59 AM	1598.6
21	Sep 20, 2013 10:39:59 AM	1615.8
22	Sep 20, 2013 10:44:59 AM	1628.4
23	Sep 20, 2013 10:49:59 AM	1638.6
24	Sep 20, 2013 10:54:59 AM	1648.2
25	Sep 20, 2013 11:00:00 AM	1656.8
26	Sep 20, 2013 11:04:59 AM	1690.6
27	Sep 20, 2013 11:10:00 AM	1704.6
28	Sep 20, 2013 11:14:59 AM	1715
29	Sep 20, 2013 11:19:59 AM	1724.8
30	Sep 20, 2013 11:24:59 AM	1733.6
31	Sep 20, 2013 11:29:59 AM	1741.4
32	Sep 20, 2013 11:34:59 AM	1774
33	Sep 20, 2013 11:39:59 AM	1786
34	Sep 20, 2013 11:45:00 AM	1794.2
35	Sep 20, 2013 11:49:59 AM	1800.4
36	Sep 20, 2013 11:55:00 AM	1806.4
37	Sep 20, 2013 11:59:59 AM	1813
38	Sep 20, 2013 12:04:59 PM	1824

**South Wells Draw 13-10-9-16 SRT (9-20-13)**

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
39	Sep 20, 2013 12:09:59 PM	1823
40	Sep 20, 2013 12:14:59 PM	1827.8
41	Sep 20, 2013 12:19:59 PM	1830.6
42	Sep 20, 2013 12:24:59 PM	1833.8
43	Sep 20, 2013 12:30:00 PM	1836.4
44	Sep 20, 2013 12:34:59 PM	1845.4
45	Sep 20, 2013 12:40:00 PM	1849.6
46	Sep 20, 2013 12:44:59 PM	1853.2
47	Sep 20, 2013 12:49:59 PM	1860
48	Sep 20, 2013 12:54:59 PM	1864.6
49	Sep 20, 2013 12:59:59 PM	1863.2

End of Report

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 09/23/2013 08:07:59  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\South Wells Draw 13-10-9-16 ISIP (9-20-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N87695  
 Device ID: PrTemp  
 Data Start Date: Sep 20, 2013 01:00:10 PM MDT  
 Data End Date: Sep 20, 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

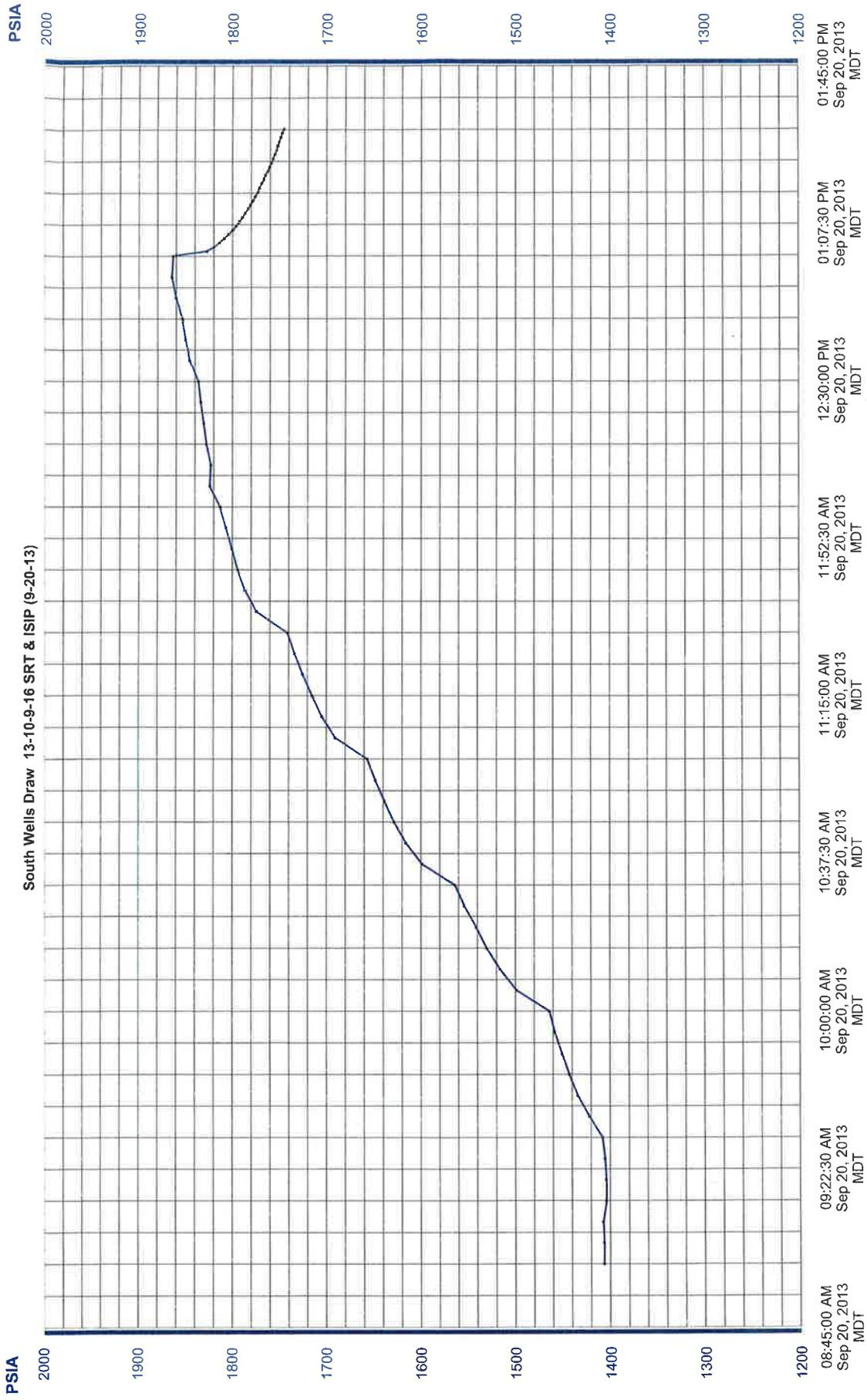
**South Wells Draw 13-10-9-16 ISIP (9-20-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
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1	Sep 20, 2013 01:00:10 PM	1859.8
2	Sep 20, 2013 01:01:10 PM	1827.4
3	Sep 20, 2013 01:02:10 PM	1819.8
4	Sep 20, 2013 01:03:10 PM	1813.8
5	Sep 20, 2013 01:04:10 PM	1808.6
6	Sep 20, 2013 01:05:10 PM	1803.8
7	Sep 20, 2013 01:06:10 PM	1799.6
8	Sep 20, 2013 01:07:10 PM	1796
9	Sep 20, 2013 01:08:11 PM	1792.4
10	Sep 20, 2013 01:09:10 PM	1789.2
11	Sep 20, 2013 01:10:10 PM	1786.4
12	Sep 20, 2013 01:11:10 PM	1783.2
13	Sep 20, 2013 01:12:10 PM	1780.8
14	Sep 20, 2013 01:13:10 PM	1778.2
15	Sep 20, 2013 01:14:10 PM	1775.8
16	Sep 20, 2013 01:15:10 PM	1773
17	Sep 20, 2013 01:16:10 PM	1771.2
18	Sep 20, 2013 01:17:10 PM	1769
19	Sep 20, 2013 01:18:10 PM	1766.8
20	Sep 20, 2013 01:19:10 PM	1765
21	Sep 20, 2013 01:20:10 PM	1762.4
22	Sep 20, 2013 01:21:10 PM	1760.6
23	Sep 20, 2013 01:22:10 PM	1758.6
24	Sep 20, 2013 01:23:10 PM	1757
25	Sep 20, 2013 01:24:10 PM	1755
26	Sep 20, 2013 01:25:10 PM	1753.2
27	Sep 20, 2013 01:26:10 PM	1751.8
28	Sep 20, 2013 01:27:10 PM	1750.4
29	Sep 20, 2013 01:28:10 PM	1748.8
30	Sep 20, 2013 01:29:10 PM	1747.2
31	Sep 20, 2013 01:30:10 PM	1745.6

End of Report



# S. Wells Draw 13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 304'KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sx Premium cmt & 45 sx Class "G", est 7 bbls to surf.

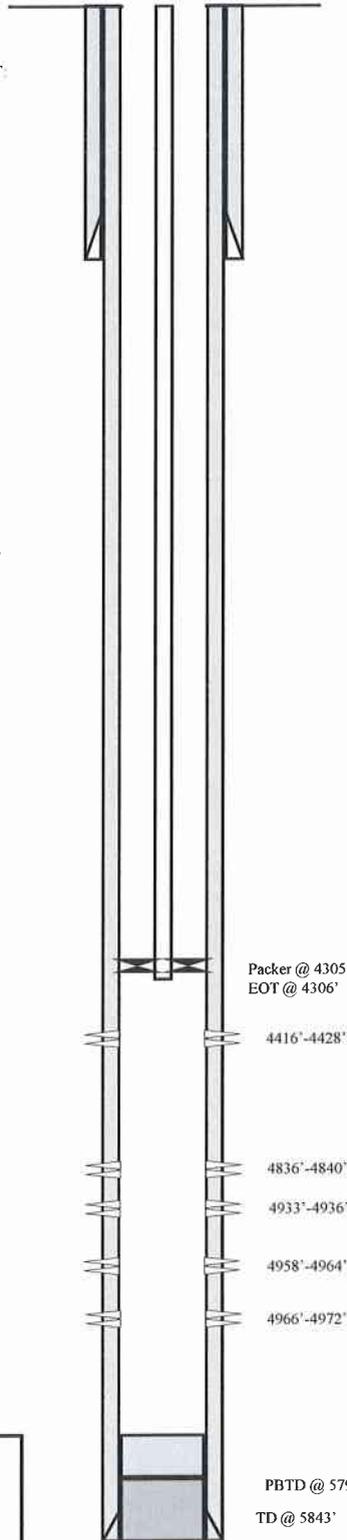
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx Premium modified mixed & 300 sx class "G"  
 CEMENT TOP AT: Surface per cement bond log(Schlumberger)

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 139 jts (4291.5')  
 SEATING NIPPLE: 2-7/8"  
 SN LANDED AT: 4301.5' KB  
 CE @ 4305.8'  
 TOTAL STRING LENGTH: EOT @ 4306' KB

CEMENT TOP AT:  
 Surface per CBL



### FRAC JOB

9/11/98 4836'-4972' **Frac B-1 & B-2 sand as follows:**  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.

9/13/98 4416'-4428' **Frac PB-10 sand as follows:**  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

04/06/12 **Convert to Injection Well**  
 04/10/12 **Conversion MIT Finalized – update tbg detail**

### PERFORATION RECORD

Date	Interval	Tool	Holes
9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes

**NEWFIELD**

**S. Wells Draw 13-10-9-16**  
 610 FSL 632 FWL  
 SWSW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32047; Lease #UTU-72107