

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

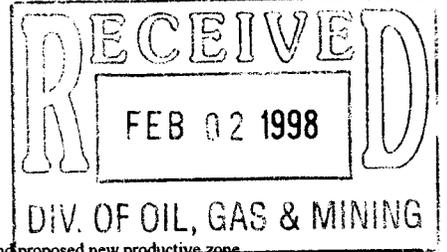
1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]
2. NAME OF OPERATOR Inland Production Company
3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface SE/SE 696' FSL & 744' FEL
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) 744'
16. NO. OF ACRES IN LEASE 240
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.) 5757.4' GR
22. APPROX. DATE WORK WILL START\* 2nd Quarter 1998

5. LEASE DESIGNATION AND SERIAL NO. UTU-40894
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME S. Wells Draw
9. WELL NO. #16-9-9-16
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R16E
12. County Duchesne
13. STATE UT

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.



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 1/22/98

(This space for Federal or State office use)

PERMIT NO. 43-013-32044 APPROVAL DATE
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY Bradley G. Hill TITLE RECLAMATION IST III DATE 3/31/98

\*See Instructions On Reverse Side

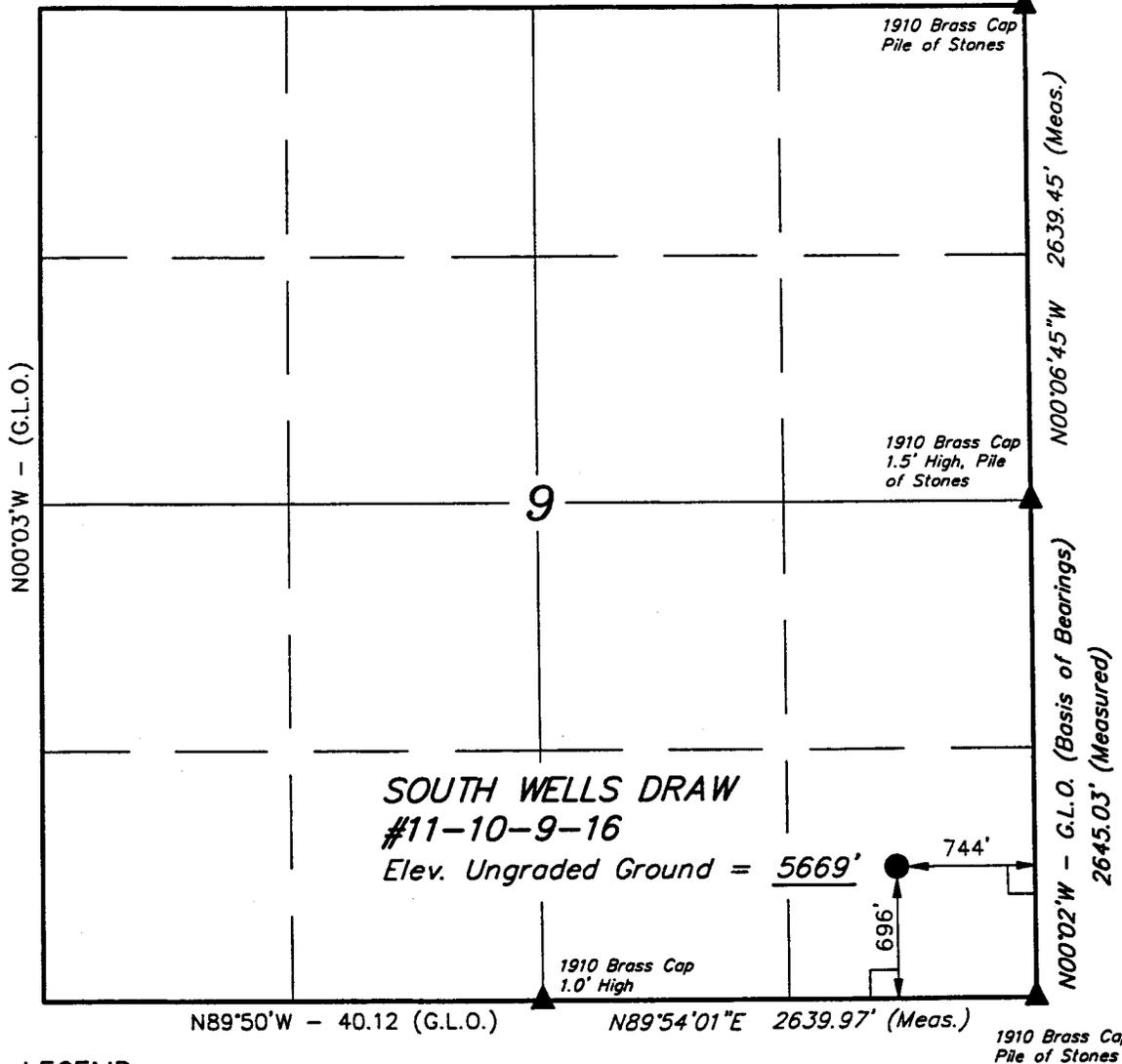
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

INLAND PRODUCTION CO.

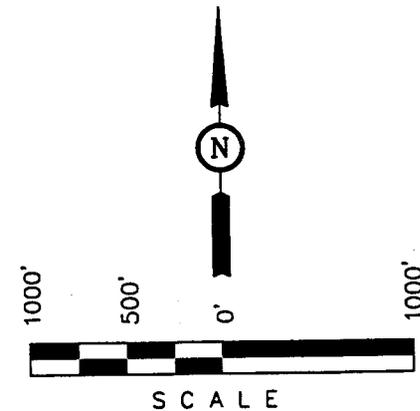
Well location, SOUTH WELLS DRAW #16-9-9-16, located as shown in the SE 1/4 SE 1/4 of Section 9, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

N89°52'W - 80.22 (G.L.O.)



BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 9, 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.

*Robert L. ...*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 481319  
 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: 01-12-98	DATE DRAWN: 01-13-98
PARTY J.F.      B.B.      D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #16-9-9-16  
SE/SE SECTION 9, 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' – 1525'
Green River	1525'
Wasatch	6500'

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

Green River Formation 1525' – 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 H2S 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 #16-9-9-16  
SE/SE SECTION 9, 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 # 16-9-9-16 located in the SE 1/4 SE 1/4 Section 9, 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.

S. WELLS DRAW # 16-9-9-16

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 #16-9-9-16 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

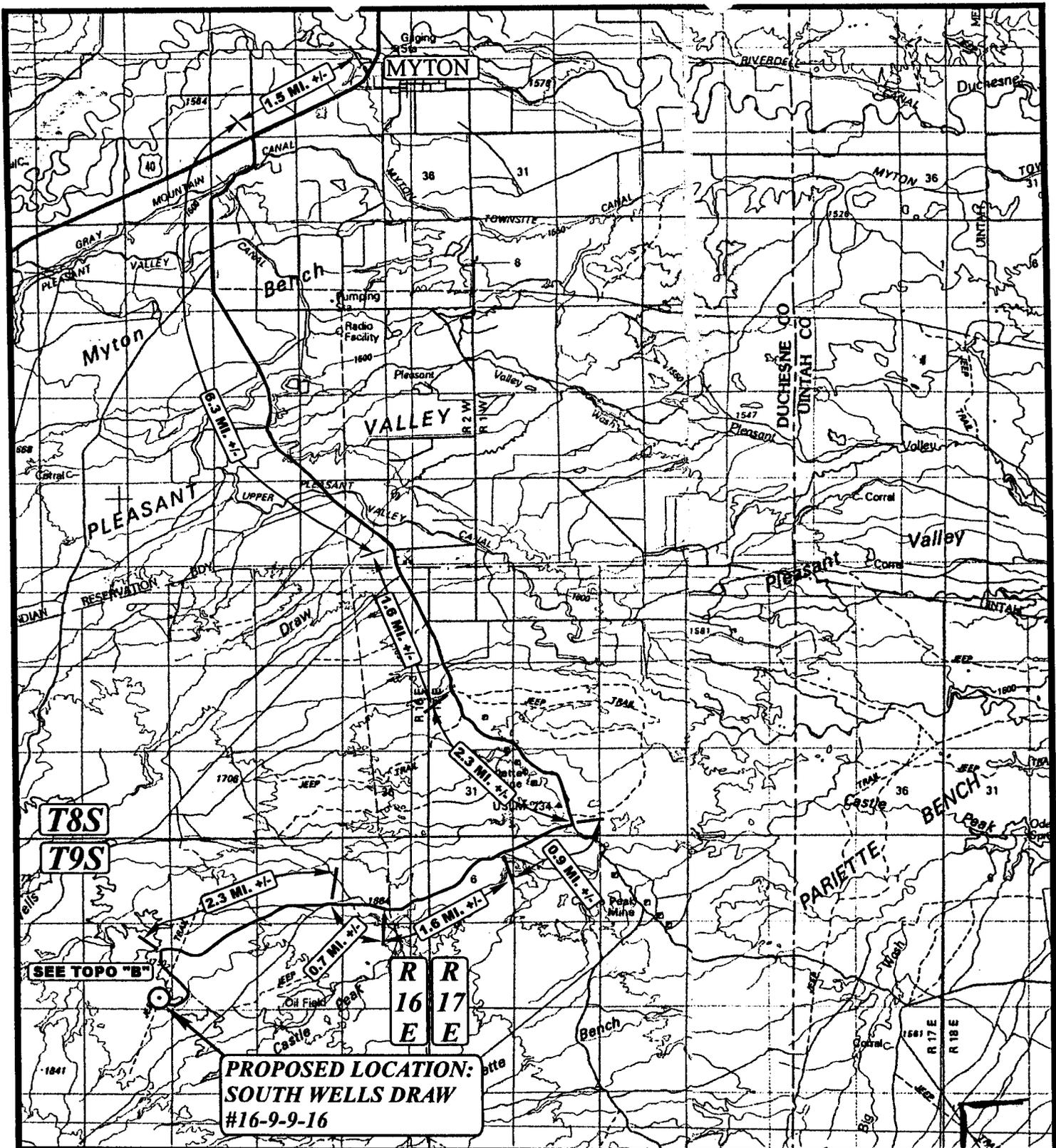
Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #16-9-9-16 SE/SE Section 9, Township 9S, Range 16E: Lease UTU-40894 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond 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.

1/22/98

Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



**LEGEND:**

⊙ PROPOSED LOCATION

**INLAND PRODUCTION CO.**

**SOUTH WELLS DRAW #16-9-9-16**  
**SECTION 9, T9S, R16E, S.L.B.&M.**  
**696' FSL 744' FEL**



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

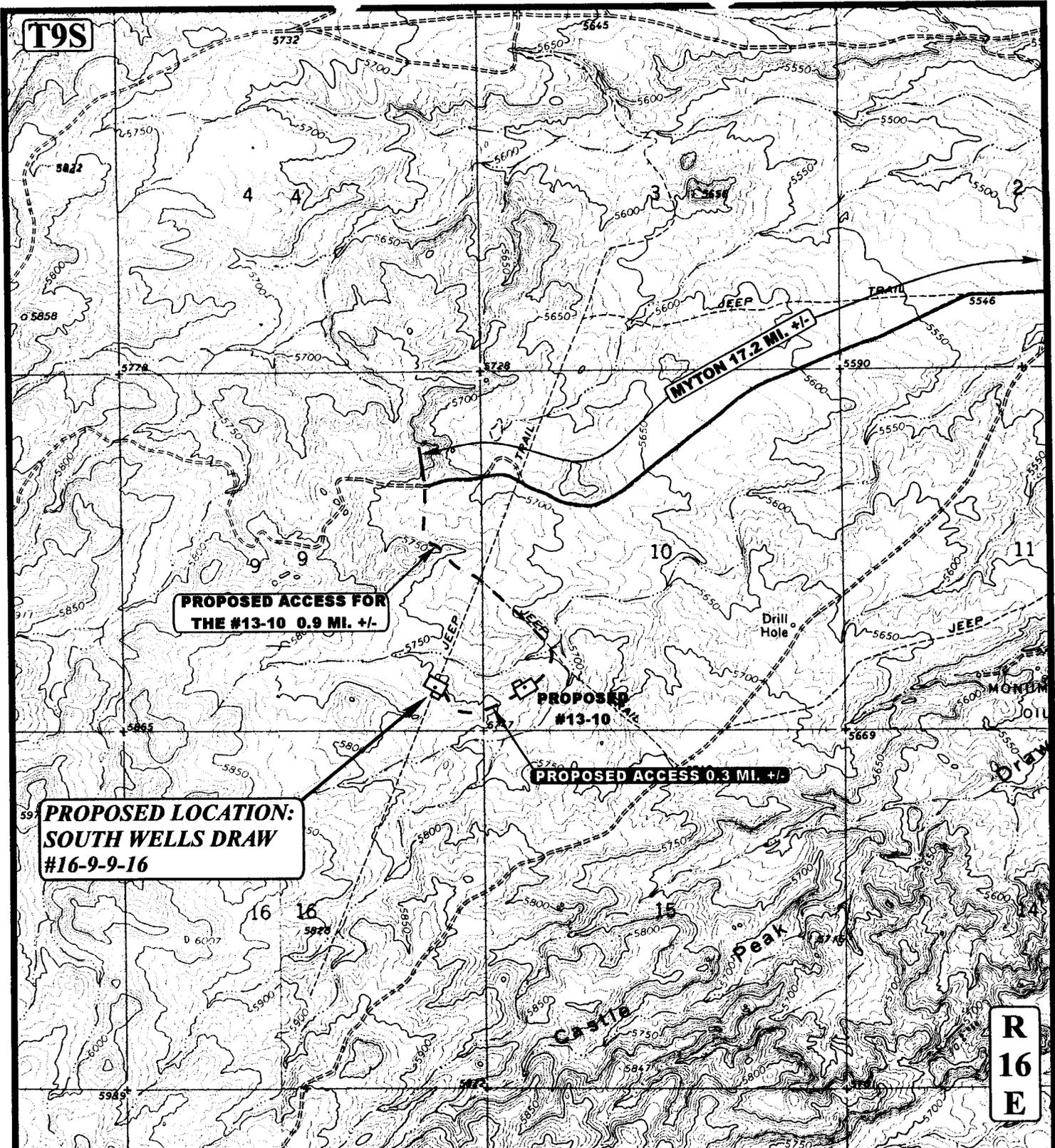


**TOPOGRAPHIC**  
**MAP**

**1** MONTH  
**13** DAY  
**98** YEAR

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





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**INLAND PRODUCTION CO.**

**SOUTH WELLS DRAW #16-9-9-16**  
**SECTION 9, T9S, R16E, S.L.B.&M.**  
**696' FSL 744' FEL**



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

**TOPOGRAPHIC**  
**MAP**

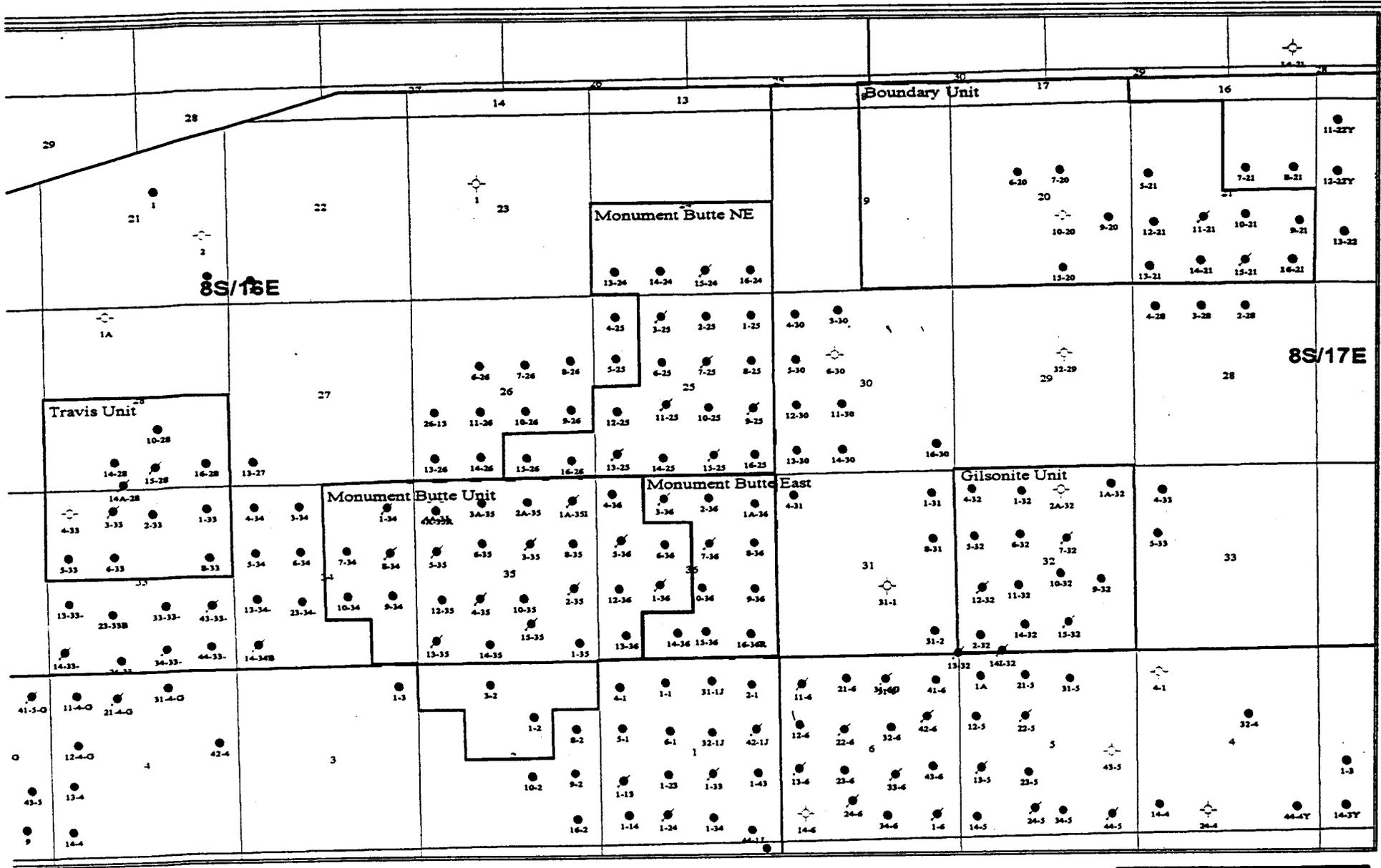
<b>1</b>	<b>13</b>	<b>1998</b>
MONTH	DAY	YEAR

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

**R**  
**16**  
**E**

**B**  
TOPO

EXHIBIT "C"



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

Regional Area

Dache County, Utah

Date: 4/18/97 J.A.

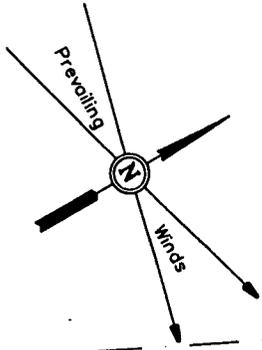
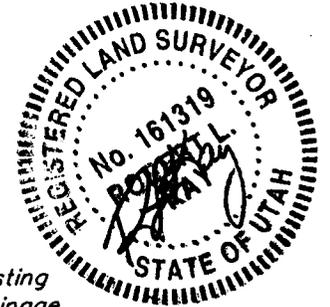




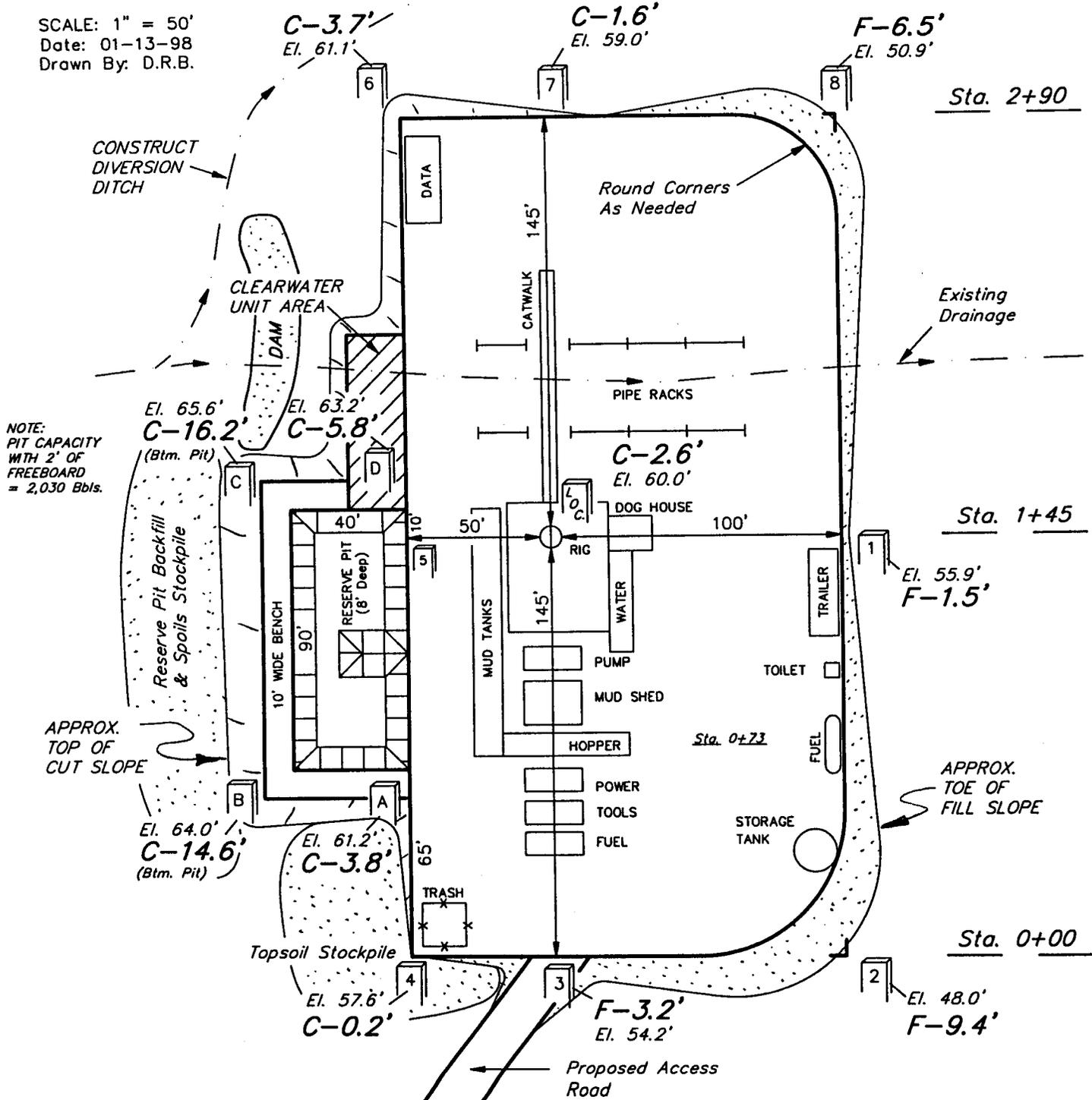
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

SOUTH WELLS DRAW #16-9-9-16  
SECTION 9, T9S, R16E, S.L.B.&M.  
696' FSL 744' FEL



SCALE: 1" = 50'  
Date: 01-13-98  
Drawn By: D.R.B.



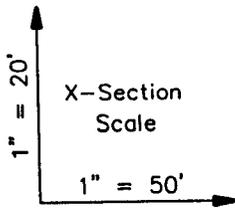
Elev. Ungraded Ground at Location Stake = 5760.0'  
Elev. Graded Ground at Location Stake = 5757.4'

**INLAND PRODUCTION CO.**

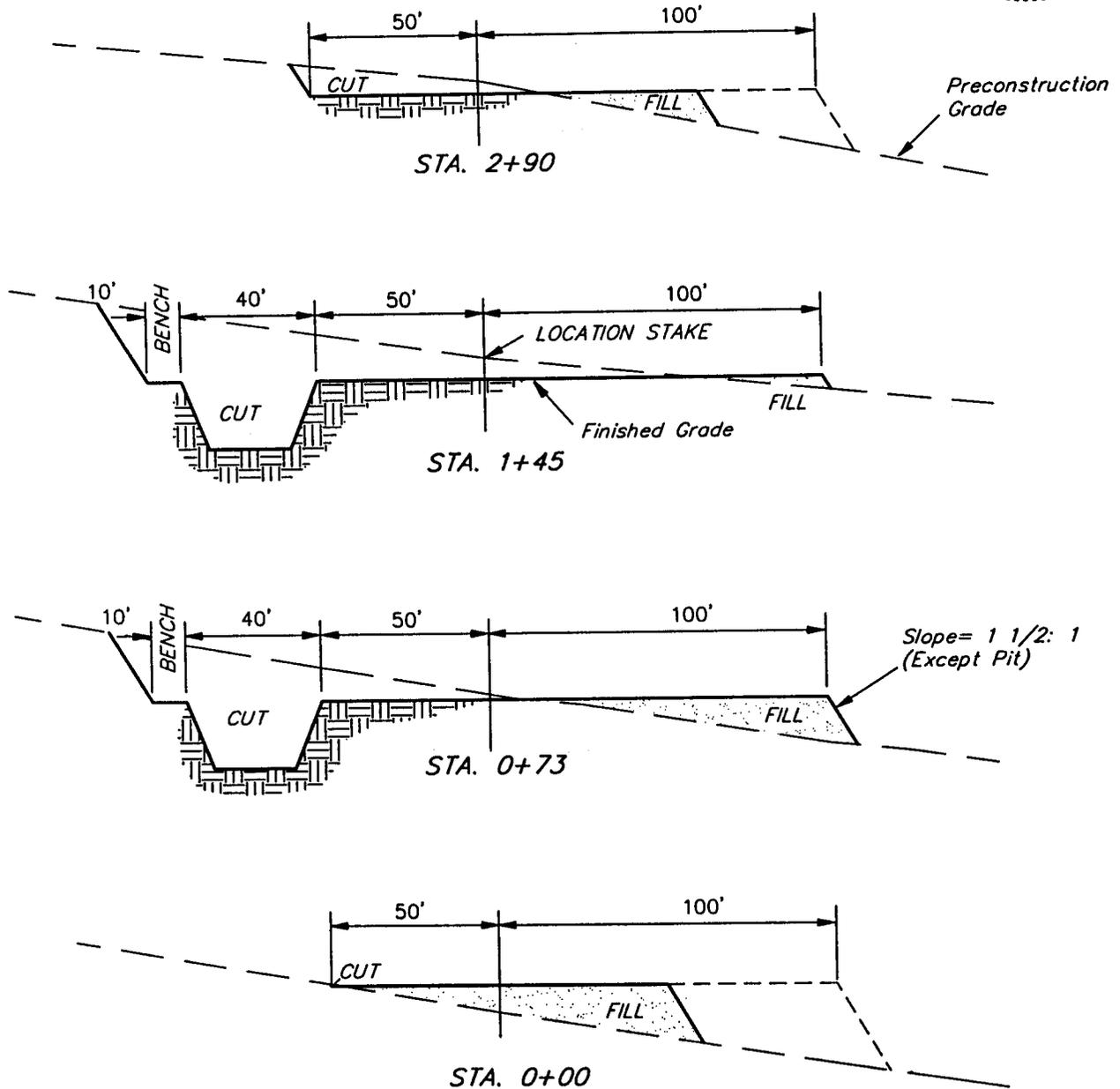
**TYPICAL CROSS SECTIONS FOR**

**SOUTH WELLS DRAW #16-9-9-16**  
**SECTION 9, T9S, R16E, S.L.B.&M.**

**696' FSL 744' FEL**



Date: 01-13-98  
 Drawn By: D.R.B.



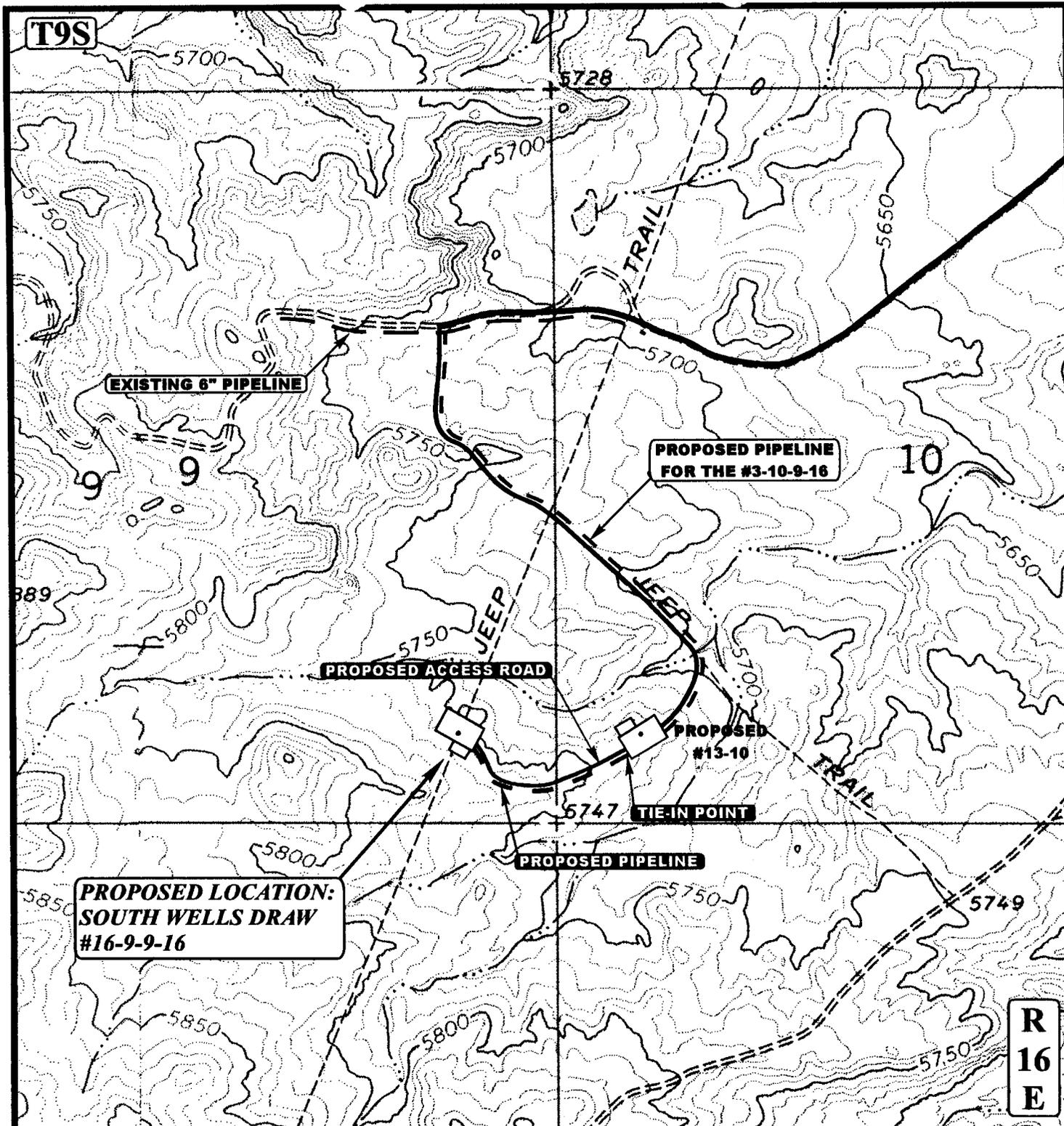
**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 870 Cu. Yds.
Remaining Location	= 3,710 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,580 CU.YDS.</b>
<b>FILL</b>	<b>= 3,210 CU.YDS.</b>

<b>EXCESS MATERIAL AFTER 5% COMPACTION</b>	<b>= 1,200 Cu. Yds.</b>
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,200 Cu. Yds.
<b>EXCESS MATERIAL After Reserve Pit is Backfilled &amp; Topsoil is Re-distributed</b>	<b>= 0 Cu. Yds.</b>

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

EXHIBIT "G"



**APPROXIMATE TOTAL PIPELINE DISTANCE = 1500' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - - PROPOSED PIPELINE
- PROPOSED ACCESS



**INLAND PRODUCTION CO.**  
**SOUTH WELLS DRAW #16-9-9-16**  
**SECTION 9, T9S, R16E, S.L.B.&M.**  
**696' FSL 744' FEL**



**Uintah 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>98</b>
MONTH	DAY	YEAR

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



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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

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

API Number:

Lease Number: U-40894

Location: SESE Sec. 9, T9S, R16E

**GENERAL**

Access pad from E, off of 13-10-9-16 location.

**CULTURAL RESOURCES**

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

**PALEONTOLOGICAL RESOURCES**

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

**SOILS, WATERSHEDS, AND FLOODPLAINS**

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

**WILDLIFE AND FISHERIES**

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

**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

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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

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

API Number:

Lease Number: U-40894

Location: SESE Sec. 9, T9S, R16E

**GENERAL**

Access pad from E, off of 13-10-9-16 location.

**CULTURAL RESOURCES**

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

**PALEONTOLOGICAL RESOURCES**

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

**SOILS, WATERSHEDS, AND FLOODPLAINS**

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

**WILDLIFE AND FISHERIES**

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

**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: 43-013-32044

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

PROPOSED LOCATION:  
SESE 09 - T09S - R16E  
SURFACE: 0696-FSL-0744-FEL  
BOTTOM: 0696-FSL-0744-FEL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: UTU - 40894

PROPOSED PRODUCING FORMATION: GRRV

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

RECEIVED AND/OR REVIEWED:

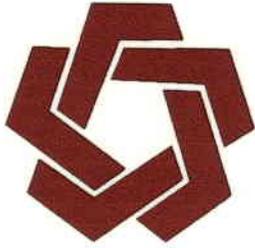
Plat  
 Bond: Federal  State  Fee   
(Number 4488944)  
 Potash (Y/N)  
 Oil shale (Y/N)  
 Water permit  
(Number GILSONITE STATE 7-32)  
 RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

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

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

STIPULATIONS: 0 FEDERAL APPROVAL  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



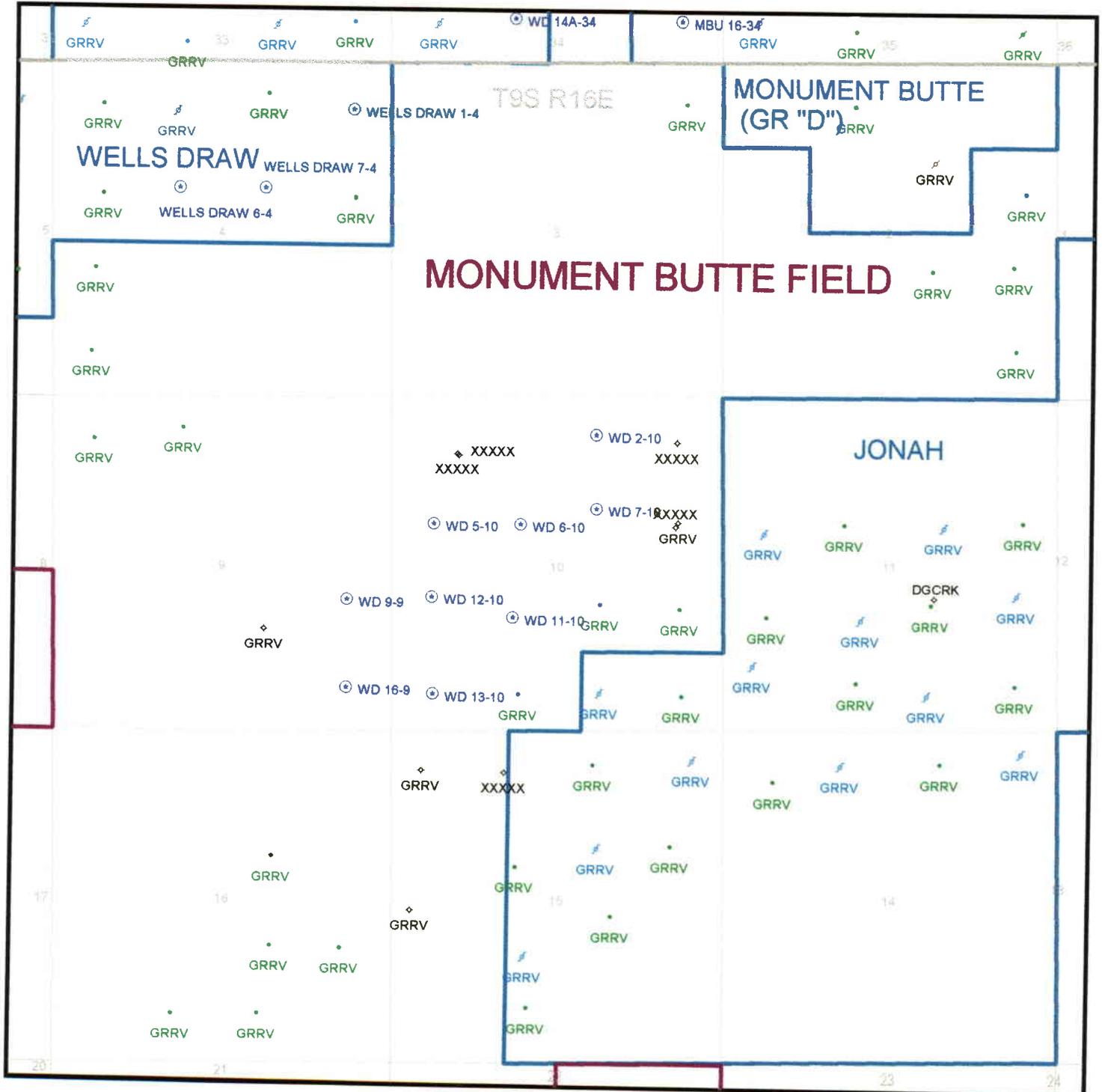
DIVISION OF OIL, GAS & MINING

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)

March 31, 1998

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

Re: S. Wells Draw 16-9-9-16 Well, 696' FSL, 744' FEL, SE SE,  
Sec. 9, 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 43-013-32044.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

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 16-9-9-16  
**API Number:** 43-013-32044  
**Lease:** UTU-40894  
**Location:** SE SE **Sec.** 9 **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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL GAS [ ] SINGLE MULTIPLE WELL [X] WELL [ ] OTHER [ ] ZONE [ ] 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 SE/SE At proposed Prod. Zone 696' FSL & 744' FEL

5. LEASE DESIGNATION AND SERIAL NO. UTU-40894

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Castle Peak

8. FARM OR LEASE NAME S. Wells Draw

9. WELL NO. #16-9-9-16

10. FIELD AND POOL OR WILDCAT Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 17.2 Miles southwest of Myton, UT 43-013-32044

12. County Duchesne 13. STATE UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 744'

16. NO. OF ACRES IN LEASE 240

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5757.4' 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 1/22/98

(This space for Federal or State office use)

PERMIT NO. NOTICE OF APPROVAL APPROVAL DATE

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

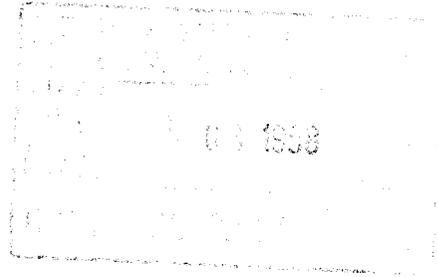
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard B. Cleaves TITLE Assistant Field Manager Mineral Resources DATE 03/30/1998

\*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: S. Wells Draw 16-9-9-16

API Number: 43-013-32044

Lease Number: U -40894

Location: SESE Sec. 09 T. 9S R. 16E

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

### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

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

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

A. **DRILLING PROGRAM**

1. **Casing Program and Auxiliary Equipment**

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 2,072$  ft.

**SURFACE USE PROGRAM**  
Conditions of Approval (COAs)

**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)

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

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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: SOUTH WELLS DRAW 16-9-9-16

Api No. 43-013-32044

Section 9 Township 9S Range 16E County DUCHESNE

Drilling Contractor \_\_\_\_\_

Rig # \_\_\_\_\_

SPUDDED:

Date 5/5/98

Time \_\_\_\_\_

How DRY HOLE

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

Reported by MIKE WARD

Telephone # \_\_\_\_\_

Date: 5/11/98 Signed: JLT



May 14, 1998 - 4:05 PM  
 INLAND RESOURCES  
 No. 4164 P. 2/3

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	12372	43-013-32044	S. Wells Draw 16-9-9-16	SE/SE	9	TOYS	R16E	Duchesne	5/4/98	

WELL 1 COMMENTS: Spud well w/ ZCM Drilling @ 3:40 pm 5/4/98.  
 Entities added 5-20-98. Lic

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-32054	Jonah Unit 8-14-9-16	SE/NE	14	TOYS	R16E	Duchesne	5/6/98	

WELL 2 COMMENTS: Spud well w/ ZCM Drilling @ 11:40 am, 5/6/98.  
 Jonah Unit

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	11880	43-013-32050	Beluga 3-18-9-17	NE/W	18	09S	17E	Duchesne	5/11/98	

WELL 3 COMMENTS: Spud well w/ Union, Rig #7 @ 11:00 am, 5/11/98.  
 Beluga Unit

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

WELL 4 COMMENTS:

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

WELL 5 COMMENTS:

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

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

(3/89)

Shannon Smith  
 Signature

Engineering Secretary      04/02/98  
 Title      Date

Phone No.      (303) 382-4441

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-40894**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

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

9. API Well No.

**43-013-32044**

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)

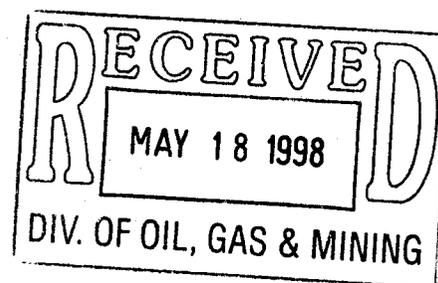
**696 FSL 744 FEL                      SE/SE Section 9, T09S R16E**

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 <b>Surface Spud</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

RU ZCM Drilling. Drl 12-1/4" sfc hole to 30'. **SPUD WELL @ 3:40 PM, 5/4/98.** Drl 30'-305'. C&C. LDDP & hammer. Run 8-5/8" GS, 8 jt 8-5/8" 24# J-55 ST&C csg (292.44). Csg set @ 292.94'. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/120 sx Premium Plus w/2% CaCl2, 2% gel and 1/2#/sk flocele (14.8 ppg 1.37 cf/sk yield). Est 6 bbl cmt returns. Drl MH & RH for Big A #46. RDMOL.



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

Signed Shannon Smith Title Engineering Secretary Date 5/7/98

(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-40894**

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

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

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

9. API Well No.  
**43-013-32044**

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)  
**696 FSL 744 FEL                      SE/SE Section 9, T09S R16E**

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

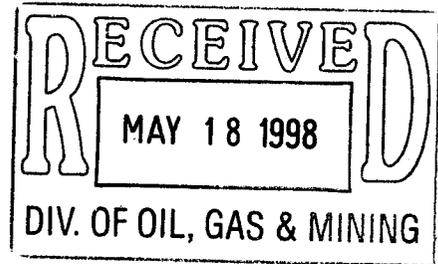
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input 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

(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 5/7/98 - 5/13/98**

MIRU Big A #46. NU. Test lines, valves, rams & manifold to 2000 psi, Hydril & csg to 1500 psi. Spud rotary rig @ 5:15 pm, 5/10/98. GIH w/BHA. Srvy. Drl plug, cmt & GS. RS. Drl & srvy 305' - 4447'.



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Smith Title Engineering Secretary Date 5/14/98

(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-40894**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

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

9. API Well No.

**43-013-32044**

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)

**696 FSL 744 FEL                      SE/SE Section 9, T09S R16E**

12. CHECK APPROPRIATE BOX(es) 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

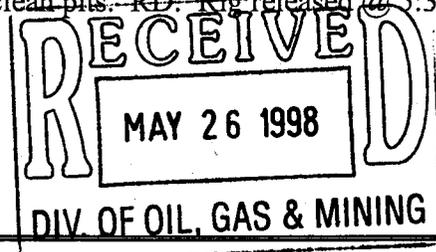
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 5/14/98 - 5/20/98**

Drilled 7-7/8" hole w/Big A, Rig #46 from 4447' - 5850'.

Run 5-1/2" GS, 1 jt 5-1/2" csg (43'), 5-1/2" FC, 137 jts 5-1/2", 15.5#, J-55, LT & C csg (5824'). Csg set @ 5835'. RD Casers. RU BJ. C&C. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/360 sx 28:72 Poz Type III w/.5% SM, 6#/sk BA 91, 10% gel, 2#/sk Kol Seal & 1/4#/sk Cello Flake (11.0 ppg 3.42 cf/sk yield) & 375 sx Class G & 10% A-10 & .1% R3 (14.4 ppg 1.54 cf/sk yield). POB @ 1:30 PM, 5/15/98 w/2000 psi. Est 13 bbl cmt returns. RD BJ. ND BOP's. Set slips w/80,000#, dump & clean pits. RD. Rig released @ 5:30 pm, 5/15/98. RDMOL.



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

Signed Shannon Smith Title Engineering Secretary Date 5/22/98

(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-40894**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.

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

9. API Well No.

**43-013-32044**

2. Name of Operator

**INLAND PRODUCTION COMPANY**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

3. Address and Telephone No.

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

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**696 FSL 744 FEL                      SE/SE Section 9, 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

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

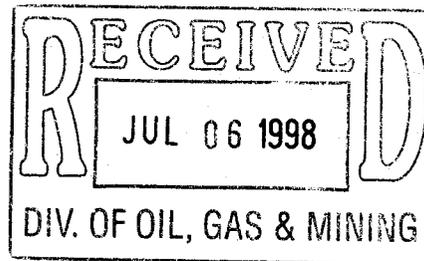
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 6/18/98 - 6/24/98**

Perf A/LDC sds @ 5110-12', 5138-40' & 5240-46'.

Perf C sds @ 4857-63'.

Perf D sds @ 4698-4704'.



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

Signed Shannon Smith Title Engineering Secretary Date 7/2/98

(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-40894**

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

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

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

9. API Well No.  
**43-013-32044**

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)  
**696 FSL 744 FEL                      SE/SE Section 9, T09S R16E**

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

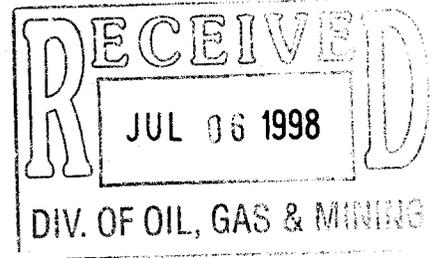
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input 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

(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 6/25/98 - 7/1/98**

Perf GB sds @ 4149-53', 4161-65', 4207-09' & 4219-24'.  
Run production string.  
Place well on production @ 2:00 PM, 6/29/98.



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Smith Title Engineering Secretary Date 7/2/98

(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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-40894

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
S. Wells Draw

9. WELL NO.  
#16-9-9-16

10. FIELD AND POOL, OR WILDCAT  
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 9, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Inland Production Company

3. ADDRESS OF OPERATOR  
P.O. Box 790233 Vernal, UT 84079 (435) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface SE/SE  
At top prod. interval reported below 696' FSL & 744' FEL  
At total depth

14. PERMIT NO. 43-013-32044  
DATE ISSUED 3/30/98

15. DATE SPUDDED 5/4/98  
16. DATE T.D. REACHED 5/14/98  
17. DATE COMPL. (Ready to prod.) 6/29/98  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5757.4' GR  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5850'  
21. PLUG, BACK T.D., MD & TVD 5781'  
22. IF MULTIPLE COMPLET. HOW MANY\*  
23. INTERVALS ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
Green River - Refer to Item #31  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIGL/SP/GR/CAL - CN/CD/GR - CBL 9-7-98  
27. WAS WELL CORRD No

28. CASING RECORD (Report all strings set in logs)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	292.94'	12 1/4	120 sx Prem + w/ 2% CC 2% flocele	gel + 1/4#/sk
5 1/2	15.5#	5835'	7 7/8	360 sx Poz Type III + Add & 375 sx Class G & 10% A-3 & .1% R3	1/4#/skCF

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@ 5333'	TA@ 5207'

31. PERFORATION RECORD (Interval, size and number)  
A/LDC 5110'-12', 5138'-40', 5240'-46',  
C 4857'-63'  
D 4698'-4704'  
GB 4149'-53', 4161'-65', 4207'-09',  
4219'-24'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Refer to Item	#37

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6/29/98	Pumping - 2 1/2" X 1 1/2" X 16 RHAC pump	Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 Day Avg	7/98	N/A	→	89	102	7	1.1

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 all available records  
SIGNED Cheryl Cameron TITLE Regulatory Specialist DATE 7/31/98

\*(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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3657'		#32.			
Garden Gulch 2	3978'		Perf A/LDC @ 5110'-12', 5138'-40', 5240'-46'			
Point 3	4234'		Frac w/ 77,350# 20/40 sd in 467 bbls			
X Marker	4500'		Viking 1-25 fluid			
Y Marker	4534'					
Douglas Creek	4654'		Perf C sd @ 4857'-63'			
Bi-Carb	4891'		Frac w/ 54,400# 20/40 sd in 260 bbls			
B-Lime	5007'		Viking 1-25 fluid			
Castle Peak	5527'		Perf D sd @ 4698'-4704'			
Basal Carb	NDE		Frac w/ 104,000# 20/40 sd in 436 bbls			
			Viking 1-25 fluid			
			Perf GB sd @ 4149'-53', 4161'-65', 4207'-09', 4219'-24'			
			Frac w/ 108,354# 20/40 sd in 646 bbls			
			Viking 1-25 fluid			

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



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555  
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

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		



# 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

**OPERATOR CHANGE WORKSHEET**

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

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**CA No. Unit: SOUTH WELLS DRAW (GR)**

<b>WELL(S)</b>								
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

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-40894
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: S WELLS DRAW 16-9-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0696 FSL 0744 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 09 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013320440000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
9. API NUMBER: 43013320440000	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/26/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 08/25/2014. On 08/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/26/2014 the casing was pressured up to 1431 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was not a State representative available to witness the test.

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

Date: September 04, 2014

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/27/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 8 / 22 / 14 Time 1:00 am  pm  
Test Conducted by: Jonny Daniels  
Others Present: \_\_\_\_\_

Well: <u>3. wells draw 10-9-9-10</u>	Field: <u>GIMBU</u>
Well Location: <u>SE/SE Sec. 9, T9S, R10E</u> <u>Duchesne County</u>	API No: <u>43-013-32044</u>

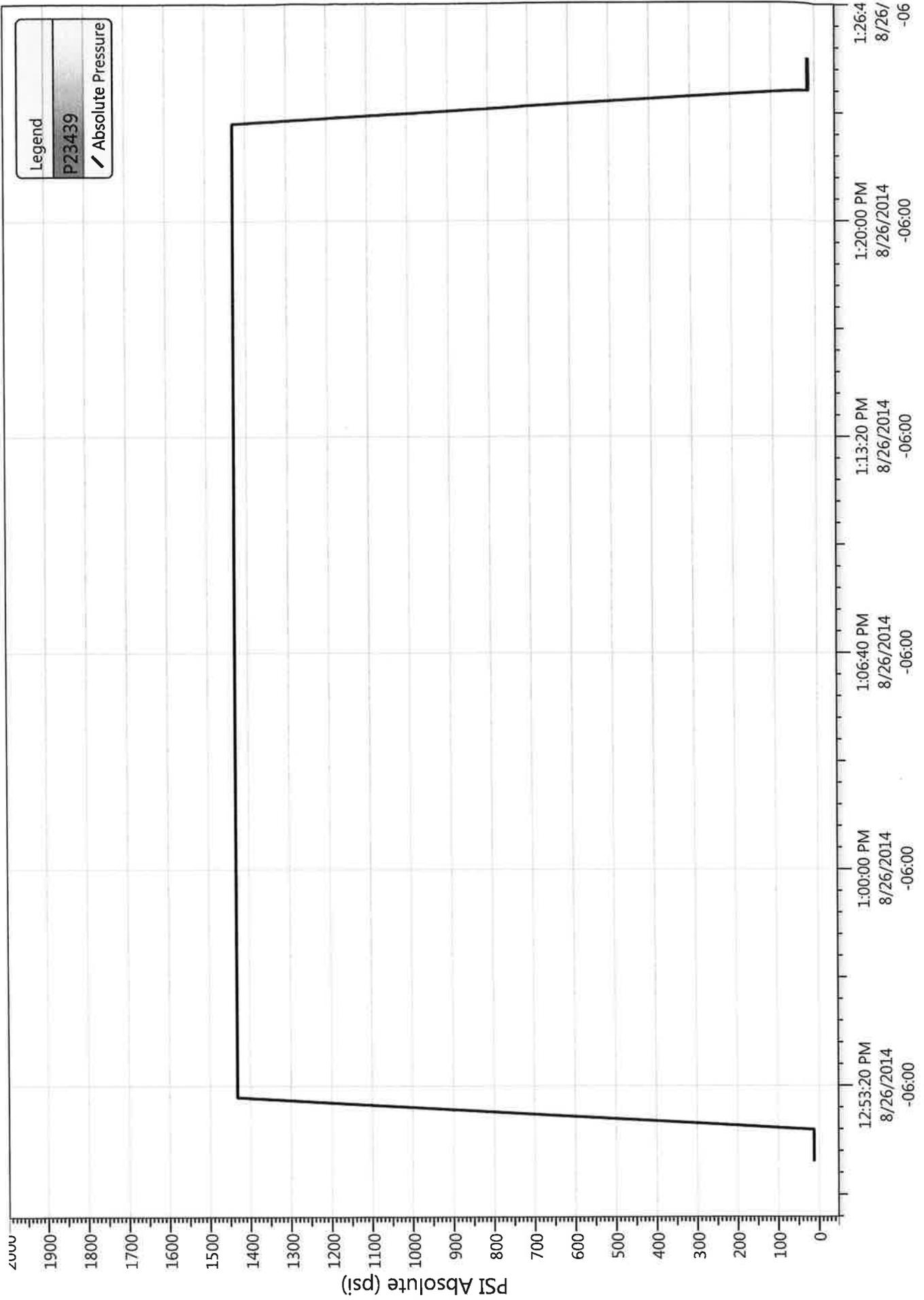
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1432</u>	psig
5	<u>1432</u>	psig
10	<u>1431</u>	psig
15	<u>1431</u>	psig
20	<u>1431</u>	psig
25	<u>1432</u>	psig
30 min	<u>1431</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result:  **Pass**  **Fail**

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Jonny Daniels

S. Wells Draw 16-9-9-16  
8/26/2014 12:50:40 PM





Well Name: S Wells Drw 16-9-9-16

### Job Detail Summary Report

Primary Job Type	Job Start Date	Job End Date
Conversion	8/22/2014	8/26/2014

**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
8/22/2014	8/22/2014	MIRU LD RODS
Start Time	End Time	Comment
06:00	07:00	TRAVEL TIME
Start Time	End Time	Comment
07:00	07:30	S.S.T, TESTED TBG TO 3000 PSI
Start Time	End Time	Comment
07:30	12:00	L.D 94 3/4" 4 PER, 64 3/4" SLICK, 46 3/4" 4 PER, 4 WEIGHT BARS, PUMP, STOPED TWICE & FLUSHED W/ 20 BBL ON THE WAY OUT
Start Time	End Time	Comment
12:00	13:00	R.U & RIH W/ SANDLINE, TAGGED @ 5460, 321' OF FILL, 214' RAT HOLE, POOH & HANG BACK SANDLINE
Start Time	End Time	Comment
13:00	14:30	XO TO TBG EQUIP, N.D W.H, N.U BOP'S, R.U FLOOR & TONGS, UNSET TAC
Start Time	End Time	Comment
14:30	18:30	POOH W/ 126 JOINTS 2 7/8" M-50 BREAKING AND DOPING ON THE WAY OUT, L.D 42 JOINTS 2 7/8" M-50, TAC, 2 JOINTS 2 7/8 M-50, S.N, 2 JOINTS 2 7/8 M-50, N.C
Start Time	End Time	Comment
18:30	19:00	SWI, CLEAN UP FOR THE NIGHT
Start Time	End Time	Comment
19:00	20:00	TRAVEL TIME

**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
8/25/2014	8/25/2014	Set packer
Start Time	End Time	Comment
06:00	07:00	STAND DOWN
Start Time	End Time	Comment
07:00	08:00	Travel time
Start Time	End Time	Comment
08:00	08:30	CSG 0 PSI. RIG MAINTAINANCE
Start Time	End Time	Comment
08:30	10:00	M.U & RIH W/ 2 3/8" COLLAR, X.N, 2 3/8" PUP, XO, PKR, ON/OFF, S.N, 127 JOINTS 2 7/8" M-50 B.06
Start Time	End Time	Comment
10:00	14:00	PUMP, 10 BBL PAD, DROP VALVE, FILLED TBG W/ 15 BBL, PUMPED TBG UP TO 3000 PSI, LOST 20 PSI IN 3 30 MIN TESTS, TIGHTENED GUAGE & NEEDLE VALVE DUE TO LEAK, PUMPED UP TO 3000 PSI, PASSED 30 MIN TEST
Start Time	End Time	Comment
14:00	15:00	M.U & RIH W/ OVERSHOT & SANDLINE, FISH VALVE, POOH & R.D SANDLINE
Start Time	End Time	Comment
15:00	16:00	R.D FLOOR & TONGS, N.D BOP'S, N.U B-1
Start Time	End Time	Comment
16:00	17:00	PUMPED 50 BBL PKR FLUID, SET PKR W/ 15,000 TENSION, N.U INJECTION HEAD, PUMPED CSG UP TO 1,500 PSI, HELD FOR 30 MIN
Start Time	End Time	Comment
17:00	19:00	PREP TO R.D, R.D, PREP RIG TO MOVE, CLEAN UP LOCATION, MOVE RIG & EQUIP TO INJECTION LOCATION
Start Time	End Time	Comment
19:00	20:00	Travel time
Report Start Date	Report End Date	24hr Activity Summary
8/26/2014	8/26/2014	Conduct MIT



Well Name: S Wells Drw 16-9-9-16

### Job Detail Summary Report

Start Time	End Time	Comment
12:50	13:20	On 08/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/26/2014 the casing was pressured up to 1431 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was not a State representative available to witness the test.

**NEWFIELD**

**Schematic**

**Well Name: S Wells Drw 16-9-9-16**

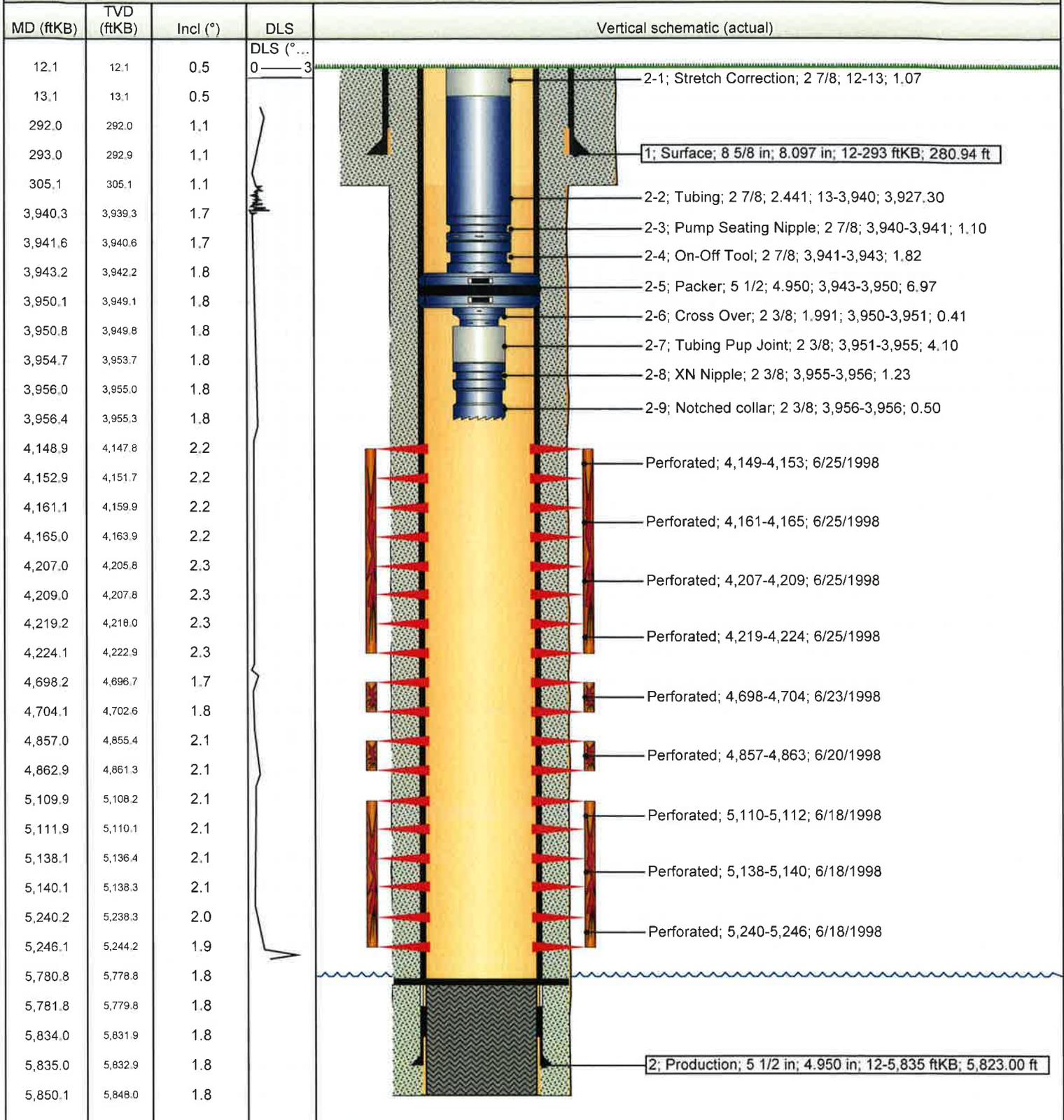
Surface Legal Location 696' FSL & 744' FEL (SESE) SECTION 9-T9S-R16E		API/UWI 43013320440000	Well RC 500151181	Lease	State/Province Utah	Field Name GMBU CTB5	County DUCHESNE
Spud Date 5/4/1998	Rig Release Date 5/15/1998	On Production Date 6/29/1998	Original KB Elevation (ft) 5,769	Ground Elevation (ft) 5,757	Total Depth All (TVD) (ftKB)	PBTd (All) (ftKB) Original Hole - 5,781.0	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 8/22/2014	Job End Date 8/26/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

**TD: 5,850.0**

Vertical - Original Hole, 8/27/2014 8:52:50 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
S Wells Drw 16-9-9-16**

Surface Legal Location 696' FSL & 744' FEL (SESE) SECTION 9-T9S-R16E		API/UWI 43013320440000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 5/4/1998		Spud Date 5/4/1998		Final Rig Release Date 5/15/1998	
Original KB Elevation (ft) 5,769		Ground Elevation (ft) 5,757		Total Depth (ftKB) 5,850.0	
				Total Depth All (TVD) (ftKB) 5,850.0	
				PBTD (All) (ftKB) Original Hole - 5,781.0	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/6/1998	8 5/8	8.097	24.00	J-55	293
Production	5/15/1998	5 1/2	4.950	15.50	J-55	5,835

**Cement****String: Surface, 293ftKB 5/6/1998**

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 305.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description CMT W/120 SX PREMIUM PLUS W/2% CaCl <sub>2</sub> , 2% GEL AND 1/2#/SK FLOCELE (14.8 PPG 1.37 CF/SK YIELD). EST 6 BBL CMT RETURNS.		Fluid Type Lead	Amount (sacks) 120	Class Premium Plus	Estimated Top (ftKB) 12.0

**String: Production, 5,835ftKB 5/16/1998**

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,850.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description CMT W/360 SX 28:72 POZ TYPE III W/5% SM, 6#/SK BA 91, 10% GEL, 2#/SK KOL SEAL & 1/4#/SK CELLO FLAKE (11.0 PPG 3.42 CF/SK YIELD)		Fluid Type Lead	Amount (sacks) 360	Class 28:72 POZ TYPE III	Estimated Top (ftKB) 12.0
Fluid Description 375 SX CLASS G & 10% A-10 & .1% R3 (14.4 PPG 1.54 CF/SK YIELD).		Fluid Type Tail	Amount (sacks) 275	Class G	Estimated Top (ftKB) 2,925.0

**Tubing Strings**

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		8/22/2014		3,956.5				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Stretch Correction	1	2 7/8				1.07	12.0	13.1
Tubing	127	2 7/8	2.441	6.50	J-55	3,927.30	13.1	3,940.4
Pump Seating Nipple	1	2 7/8				1.10	3,940.4	3,941.5
On-Off Tool	1	2 7/8				1.82	3,941.5	3,943.3
Packer	1	5 1/2	4.950			6.97	3,943.3	3,950.3
Cross Over	1	2 3/8	1.991			0.41	3,950.3	3,950.7
Tubing Pup Joint	1	2 3/8				4.10	3,950.7	3,954.8
XN Nipple	1	2 3/8				1.23	3,954.8	3,956.0
Notched collar	1	2 3/8				0.50	3,956.0	3,956.5

**Rod Strings**

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

**Other In Hole**

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,500	5,492	11/5/2008	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Norm Hole Dia (in)	Date
4	GB, Original Hole	4,149	4,153	4	90		6/25/1998
4	GB, Original Hole	4,161	4,165	4	90		6/25/1998
4	GB, Original Hole	4,207	4,209	4	90		6/25/1998
4	GB, Original Hole	4,219	4,224	4	90		6/25/1998
3	D, Original Hole	4,698	4,704	4	90		6/23/1998
2	C, Original Hole	4,857	4,863	4	90		6/20/1998
1	A/LDC, Original Hole	5,110	5,112	4	90		6/18/1998
1	A/LDC, Original Hole	5,138	5,140	4	90		6/18/1998
1	A/LDC, Original Hole	5,240	5,246	4	90		6/18/1998

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	3,740						
2							
3	3,670						
4	2,350						

**NEWFIELD**

**Newfield Wellbore Diagram Data  
S Wells Drw 16-9-9-16**



Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 77350 lb
2		Proppant Bulk Sand 54400 lb
3		Proppant Bulk Sand 104000 lb
4		Proppant Bulk Sand 108354 lb

<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-40894
<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 16-9-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0696 FSL 0744 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 09 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013320440000
	<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: 9/17/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 1:34 PM on 09/17/2014.

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

Date: ~~September 23, 2014~~

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> 9/17/2014	



GARY R. HERBERT  
Governor

SPENCER J. COX  
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-418

**Operator:** Newfield Production Company  
**Well:** South Wells Draw 16-9-9-16  
**Location:** Section 9, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32044  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on April 1, 2014.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,978' – 5,781')
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

9/15/2014  
Date

JR/MLR/js

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

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





**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

April 1, 2014

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

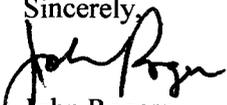
Subject: Greater Monument Butte Unit Well: South Wells Draw 16-9-9-16, Section 9, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32044

Newfield Production Company:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,978 feet in the South Wells Draw 16-9-9-16 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.

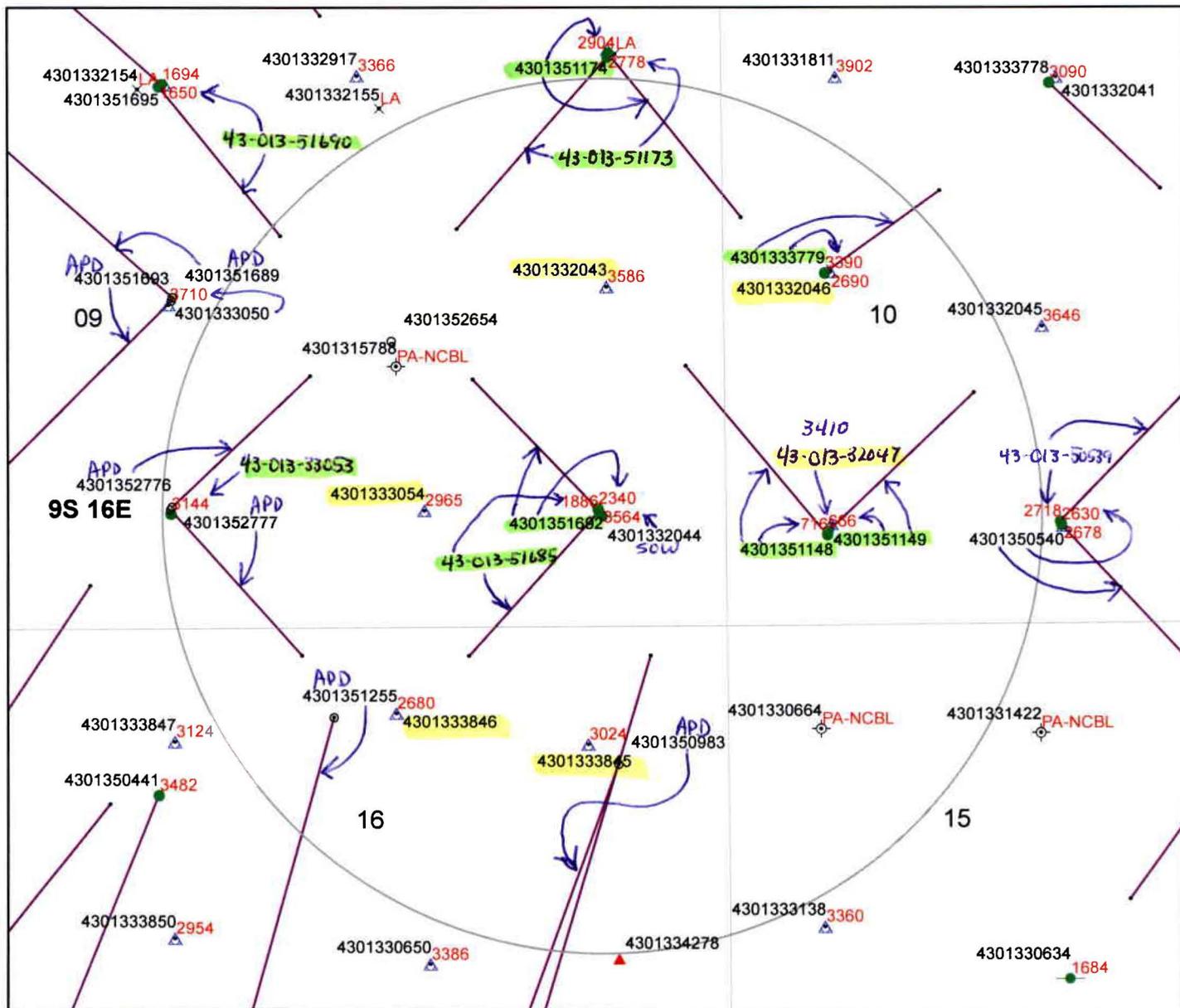
Sincerely,  
  
John Rogers  
Associate Director

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





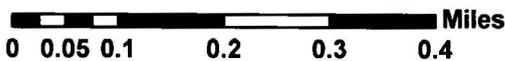
**Legend**

**Oil & Gas Well Type**

- APD-Approved Permit
- ⦿ DRL-Spudded (Drilling Commenced)
- ⚡ GIW-Gas Injection Well
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- ⊙ OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⚡ PGW-Producing Gas Well
- POW-Producing Oil Well *in AQR*
- ▲ RET-Returned APD
- ⚡ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- △ WW-Water Injection Well *in AOR*
- WSW-Water Supply Well

**Cement Bond Tops  
South Wells Draw 16-9-9-16  
API #43-013-32044  
UIC-418.6**

*(updated 9/4/2014)*



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

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

**Applicant:** Newfield Production Company      **Well:** South Wells Draw 16-9-9-16

**Location:** 9/9S/16E      **API:** 43-013-32044

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and 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 293 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,835 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,564 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,099 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (9/4/2014), based on surface locations, there are 6 producing wells, 6 injection wells, 1 shut-in well (the proposed injection well), and 2 P/A wells in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there are 3 directional producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there are 2 approved surface locations inside the AOR for horizontal wells to be drilled to bottom hole locations outside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,978 feet and 5,781 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-9-9-16 well is 0.92 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,279 psig. The requested maximum pressure is 2,279 psig. We intend to permit this well at a maximum pressure of 2,000 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 16-9-9-16**

**page 2**

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 3/28/2014 (revised 9/4/2014)

4770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED.TAX I.D.# 87-0217663  
 801-204-6910

The Salt Lake Tribune

MEDIAONE  
 A NEARSTAR PUBLICATION COMPANY  
 WWW.MEDIAONE.COM

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	RECEIVED	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	MAR 05 2014 DIV OF OIL, GAS & MINING	900	

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE	
8015385340		0000941195 /	
SCHEDULE			
Start 02/22/2014		End 02/22/2014	
CUST. REF. NO.			
Newfield Cause UIC-418			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATL			
SIZE			
96	Lines	2.00	COLUMN
TIMES		RATE	
3			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
327.56			

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 9, 13, 16, 17, 20, 22, AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
 Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
 API 43-013-32912  
 Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
 API 43-013-32951  
 Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
 API 43-013-32907  
 Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
 API 43-013-32913  
 Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
 API 43-013-33053  
 South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
 API 43-013-32044  
 Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32659  
 Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32655  
 Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32649  
 State 16-1-0 well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-31022  
 Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33032  
 Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33108  
 Monument Federal 11-22-9-16 well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-31647  
 Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-30662

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

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH, CAUSE NO. UIC-418 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, UTAH ON FEBRUARY 25, 2014. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION IN UTAH ON FEBRUARY 25, 2014. UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

Dated this 18th day of February, 2014.  
 STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/ Brad Hill  
 Permitting Manager

941195

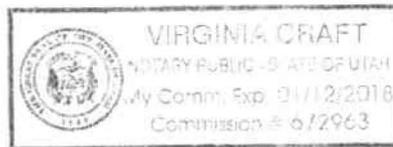
UPAXLP

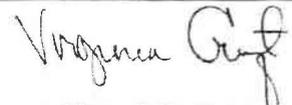
PUBLISHED ON Start 02/22/2014 End 02/22/2014

SIGNATURE 

DATE 2/25/2014

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



  
 NOTARY SIGNATURE

2250/REB/GG-UIC Admin/GF13/0131

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 25 day of February, 2014, and that the last publication of such notice was in the issue of such newspaper dated the 25 day of February, 2014, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

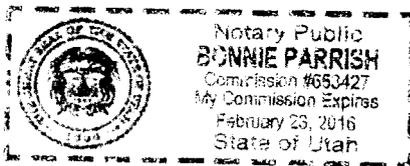
  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me on this

26 day of February, 2014

by Kevin Ashby.

  
\_\_\_\_\_  
Notary Public



**BEFORE THE  
DIVISION  
OF OIL, GAS  
AND MINING,  
DEPART-  
MENT OF  
NATURAL  
RESOURCES,  
STATE OF  
UTAH,  
NOTICE OF  
AGENCY  
ACTION,  
CAUSE NO.  
UIC-418**

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, tele-

25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32951  
Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32907  
Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32913  
Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33053  
South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32044  
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659  
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655  
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649  
State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022  
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33032  
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108  
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township

City, UT 84114-5801,  
phone number (801)  
538-5340. If such  
a protest or notice  
of intervention is  
received, a hearing  
will be scheduled in  
accordance with the  
aforementioned ad-  
ministrative procedur-  
al rules. Protestants  
and/or interveners  
should be prepared  
to demonstrate at  
the hearing how this  
matter affects their  
interests.

Dated this 18th day  
of February, 2014.

STATE OF UTAH  
DIVISION OF  
OIL, GAS & MIN-  
ING

/s/  
Brad Hill  
Permitting Man-  
ager

Published in the  
Uintah Basin Stan-  
dard February 25, 2014.

Formation will be  
used for water injec-  
tion. The maximum  
requested injection  
pressures and rates  
will be determined  
based on fracture  
gradient informa-  
tion submitted by  
Newfield Production  
Company.

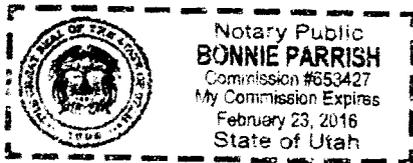
Any person  
desiring to object to  
the application or  
otherwise intervene  
in the proceeding,  
must file a written  
protest or notice of  
intervention with  
the Division within  
fifteen days following  
publication of this  
notice. The Division's  
Presiding Officer  
for the proceeding is  
Brad Hill, Permitting  
Manager, at P.O. Box  
145801, Salt Lake

26 day of February, 20 14

by Kevin Ashby.

*Bonnie Parrish*

Notary Public



IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912

Ashley Federal 16-

Range 16 East  
API 43-013-32655  
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649  
State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022  
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33032  
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108  
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East

API 43-013-31647  
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662

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

Selected zones in the Green River

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912

Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32951

Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32907

Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32913

Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33053

South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32044

Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659

Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655

Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649

State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022

Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33032

Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108

Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-31647

Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662

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

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 14-25-9-15, ASHLEY FEDERAL 16-25-9-15,  
ASHLEY FEDERAL 14-26-9-15, ASHLEY FEDERAL 16-26-9-15,  
FEDERAL 14-9-9-16, SOUTH WELLS DRAW 16-9-9-16,  
FEDERAL 2-13-9-16, FEDERAL 8-13-9-16, FEDERAL 14-13-9-16,  
STATE 16-1-O, FEDERAL 9-17-9-16, FEDERAL 10-20-9-16,  
MONUMENT FEDERAL 11-22-9-16Y, FEDERAL 7-23.**

**Cause No. UIC-418**

Publication Notices were sent to the following:

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

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

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

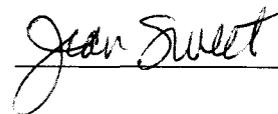
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*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 20, 2014

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

**Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-418**

MESSAGE

**UB Standard Legals** <ubslegals@ubmedia.biz>  
To: Jean Sweet <jsweet@utah.gov>

Thu, Feb 20, 2014 at 3:52 PM

On 2/20/2014 9:52 AM, Jean Sweet wrote:

To Whom It May Concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

—  
Jean Sweet  
Executive Secretary  
Utah Division of Oil, Gas and Mining  
801-538-5329

Received. It will be published Feb. 25.  
Thank you.  
Cindy



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*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 20, 2014

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

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

Please send proof of publication and billing for **account #9001402352** to:

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

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Order Confirmation for Ad #0000941195-01**

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

<b>Total Amount</b>	<b>\$327.56</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$327.56</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Cause UIC-4	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jeon			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 96 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	2/22/2014	

**Ad Content Proof Actual Size**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32912  
Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32951  
Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32907  
Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32913  
Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33052  
South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32044  
Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32659  
Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32655  
Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32649  
State 16-1-0 well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-31022  
Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33052  
Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33108  
Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-31647  
Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30662

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

Selected zones in the Greer River Formation will be used for water injector. The maximum requested injector pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 18th day of February, 2014.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

941195

UPXIP

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

February 7, 2014

**RECEIVED**

FEB 10 2014

DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
South Wells Draw #16-9-9-16  
Monument Butte Field, Lease #UTU-40894  
Section 9-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the South Wells Draw #16-9-9-16 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,

  
Jill L Loyle  
Regulatory Associate

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW #16-9-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-40894**  
**FEBRUARY 7, 2014**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
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 – SOUTH WELLS DRAW #16-9-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – SOUTH WELLS DRAW #9-9-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – SOUTH WELLS DRAW #13-10-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – SOUTH WELLS DRAW #12-10-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – CASTLE PEAK FEDERAL #24-10A-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #8-9-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #14-9-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #15-9-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – STATE #1-16-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – STATE #2-16-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – GMBU #M-9-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – GMBU #T-9-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – GMBU #L-9-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – GMBU #O-10-9-16
ATTACHMENT F	WATER ANALYSIS – WELL SI – NO ANALYSIS PROVIDED
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 6/17/98 – 6/30/98
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# 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

## Proposed Injection 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

### TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50  
 NO. OF JOINTS: 168 jts. (5199.0')  
 TUBING ANCHOR: 5199.0'  
 NO. OF JOINTS: 2 jts. (59.3')  
 SEATING NIPPLE: 2 7/8" (1.10")  
 SN LANDED AT: 5261.1'  
 NO. OF JOINTS: 2 jts (62.6')  
 TOTAL STRING LENGTH: EOT @ 5325'

### FRAC JOB

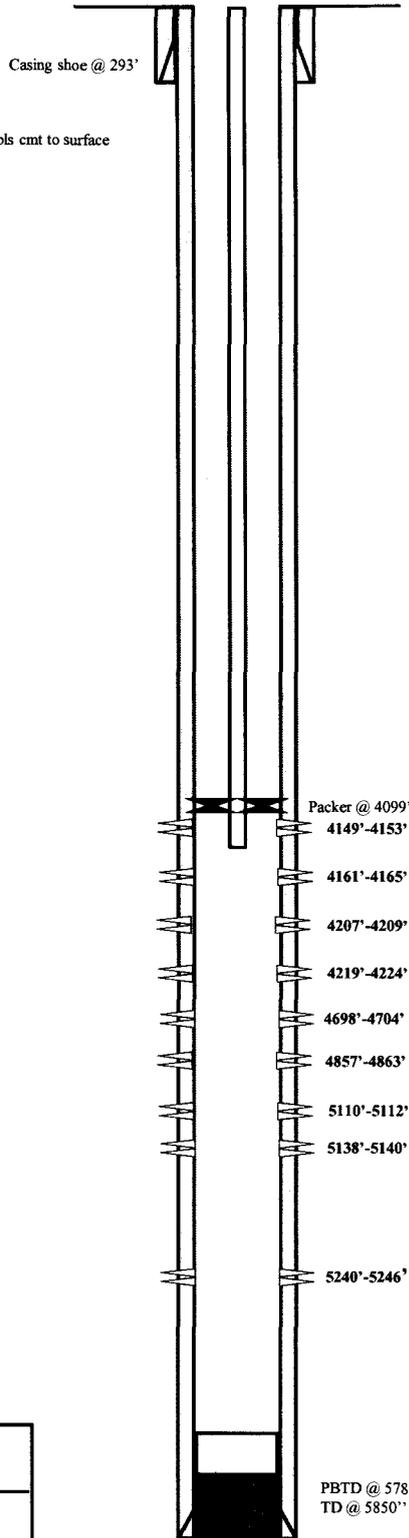
**6-19-98 5110'-5246'** **Frac A/LDC sand as follows:**  
 77,000# 20/40 sand in 467 bbls Viking.  
 Perfs broke @ 3260 psi. ISIP-3740 psi,  
 5 min 3120 psi. Flowback on 12/64" ck for 3 hrs & died.

**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.

9/7/07 Tubing Leak. Updated rod & tubing details.  
 9/20/2010 Tubing leak. Updated rod and tubing detail.



### PERFORATION RECORD

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**

---

**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

## 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, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the South Wells Draw #16-9-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

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

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

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

The injection zone is in the Green River Formation. For the South Wells Draw #16-9-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3978' - 5781'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever is shallower. The Garden Gulch Marker top is at 3657' and the TD is at 5850'.

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

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

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-40894) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 292' KB, and 5-1/2", 15.5# casing run from surface to 5835' 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.

**2.8 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 2279 psig.

**2.9 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 #16-9-9-16, for existing perforations (4149' - 5246') calculates at 0.92 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 2279 psig. We may add additional perforations between 3657' and 5850'. See Attachments G and G-1.

**2.10 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 #16-9-9-16, the proposed injection zone (3978' - 5781') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 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-13.

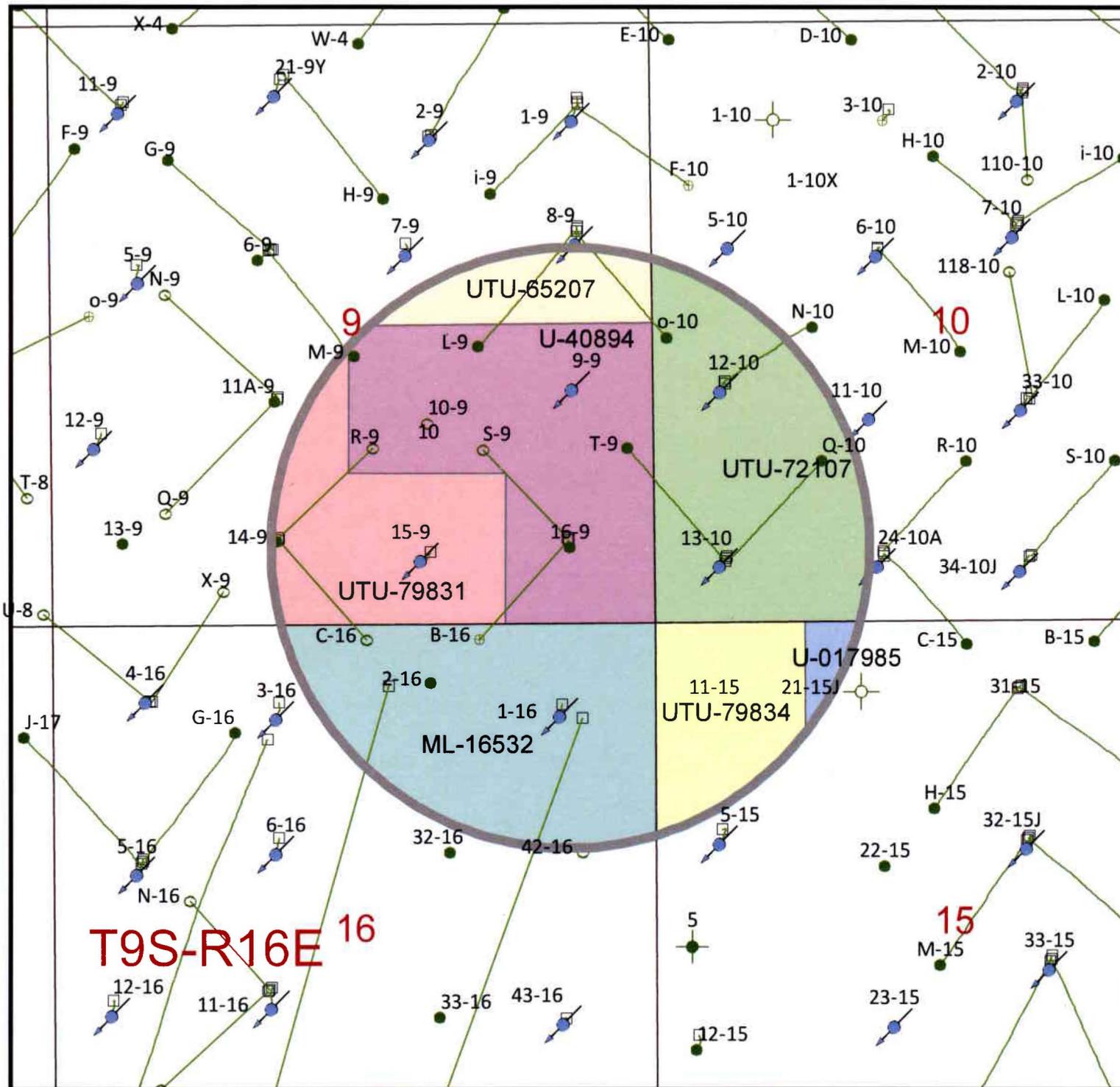
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

**2.12 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.

**2.13 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.



### Lease Number

- ML-16532
- U-017985
- U-40894
- UTU-65207
- UTU-72107
- UTU-79831
- UTU-79834

Half-Mile Buffer

### 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
- Well Surface Location

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



## 1/2 Mile Radius Map

Duchesne County

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

Jan. 6, 2014

**T9S-R16E 16**

**9**

**10**

**15**

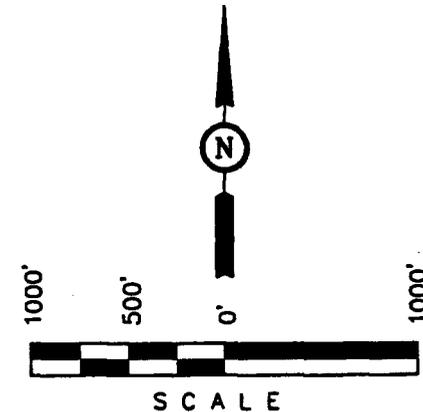
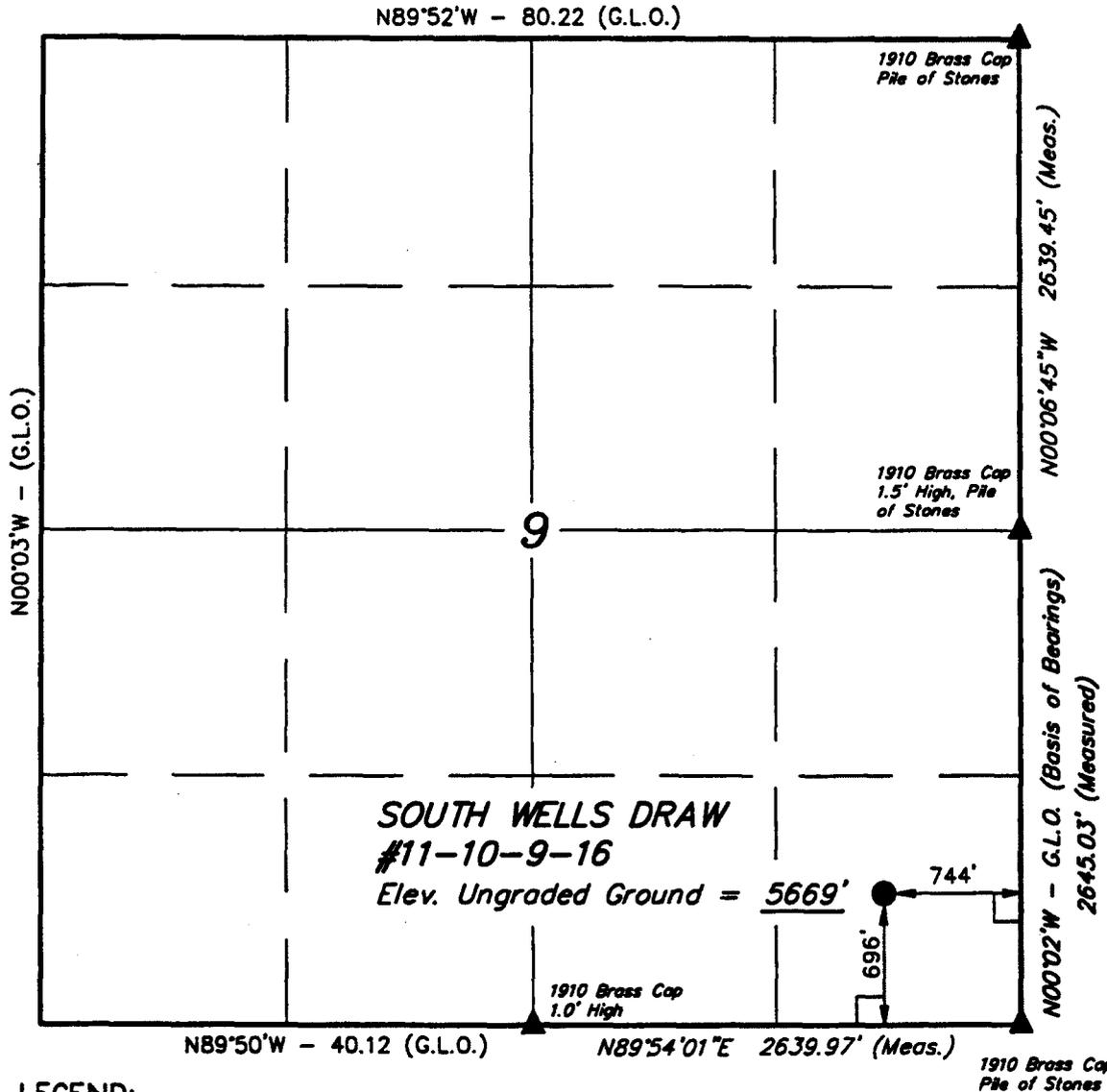
## T9S, R16E, S.L.B.&M.

### INLAND PRODUCTION CO.

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

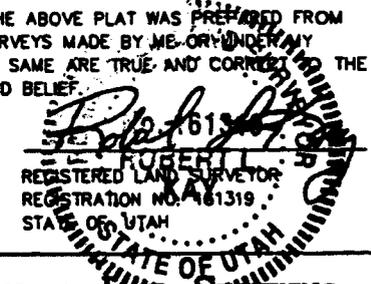
#### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 9, 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.



<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 01-12-98	DATE DRAWN: 01-13-98
PARTY J.F.    B.B.    D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

#### LEGEND:

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

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 16: ALL	State of Utah ML 16532 HBP	QEP Energy Company El Paso E&P Company, LP Isramco Resources Inc Brave River Production Santa Fe Snyder Corporation Santa Fe Snyder Corporation Oxy USA Inc MYCO Industries Inc ABO Petroleum Corporation Yates Petroleum Corporation Newfield RMI LLC Newfield Production Company	State of Utah
2	T9S-R16E SLM Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 9: N2SE, SESE	USA UTU-40894 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R16E SLM Section 9: NE, NENW Section 10: N2NW	USA UTU-65207 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA

5	T9S-R16E SLM Section 10: S2N2,N2S2, S2SW	USA UTU-72107 HBP	Newfield Production Company Newfield RMI LLC	USA
6	T9S-R16E SLM Section 9: E2SW, SWSE	USA UTU-79831 HBP	Newfield Production Company Newfield RMI LLC	USA
7	T9S-R16E SLM Section 15: W2W2	USA UTU-79834 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

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

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: Jill L. Loyle  
Newfield Production Company  
Jill L. Loyle  
Regulatory Associate

Sworn to and subscribed before me this 7<sup>th</sup> day of February, 2014.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15

LYDIA BIONDO  
Notary Public  
State of Colorado

## 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

#### TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50  
 NO. OF JOINTS: 168 jts. (5199.0')  
 TUBING ANCHOR: 5199.0'  
 NO. OF JOINTS: 2 jts. (59.3')  
 SEATING NIPPLE: 2 7/8" (1.10")  
 SN LANDED AT: 5261.1'  
 NO. OF JOINTS: 2 jts (62.6')  
 TOTAL STRING LENGTH: EOT @ 5325'

#### SUCKER RODS

POLISHED ROD: 1 - 22' x 1 1/2"  
 SUCKER RODS: 1-6' x 3/4" pony rod, 2-8' x 3/4" pony rods, 95- 3/4" guided rods, 86- 3/4" guided rods, 25- 3/4" guided rods, 4- 1 1/2" weight bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 15' RHAC  
 STROKE LENGTH: 124"  
 PUMP SPEED, SPM: ?

#### FRAC JOB

6-19-98 5110'-5246' **Frac A/LDC sand as follows:**  
 77,000# 20/40 sand in 467 bbls Viking.  
 Perfs broke @ 3280 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.

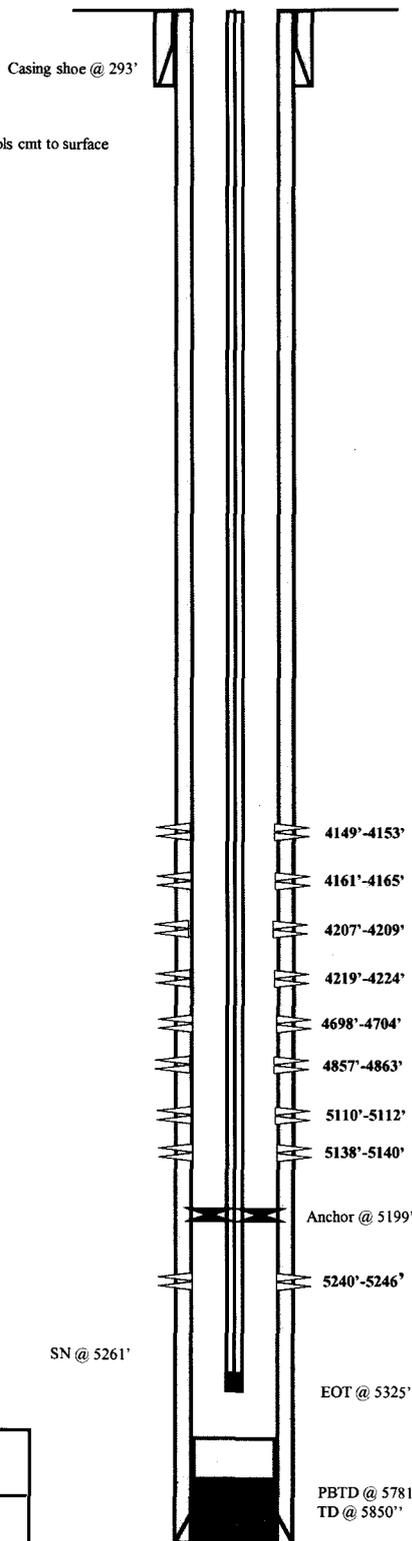
6-26-98 4149'-4224' **Frac GB sand as follows:**  
 108,354# 20/40 sand in 646 bbls Viking.  
 Perfs broke @ 2710 psi. Treated w/avg  
 press of 1770 psi w/avg rate of 26 BPM.  
 ISIP-2350 psi, 5 min 2050 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

9/7/07 Tubing Leak. Updated rod & tubing details.

9/20/2010 Tubing leak. Updated rod and tubing detail.

#### PERFORATION RECORD

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**

---

**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

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

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

Initial Production: 80 BOPD,  
 60 MCFPD, 20 BWPD

Injection Wellbore Diagram

### SURFACE CASING

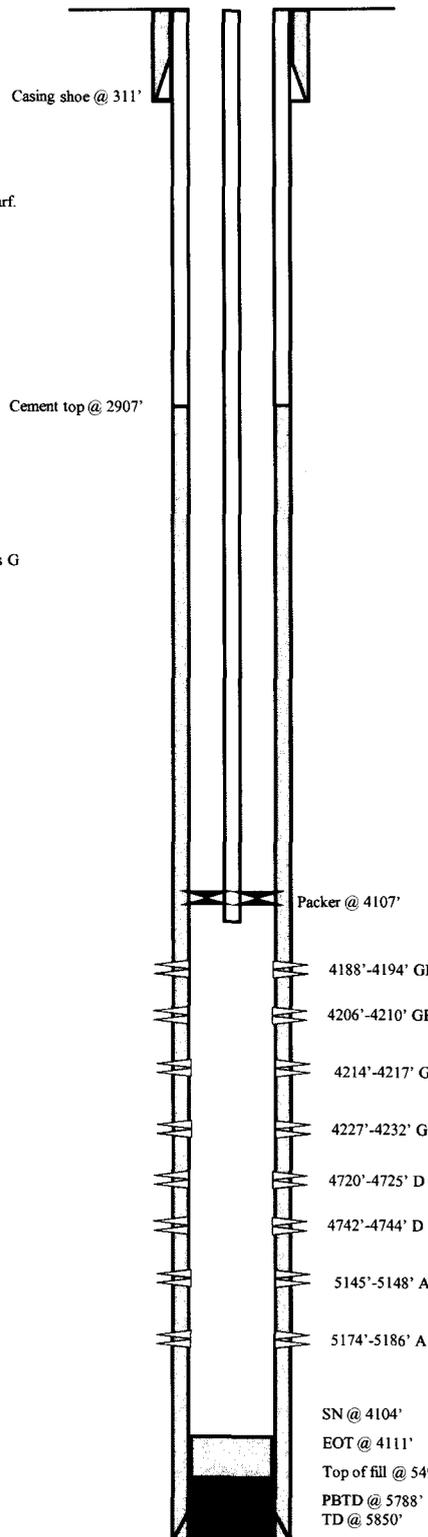
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310')  
 DEPTH LANDED: 311'(GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

### 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

### TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/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 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.

11/14/01 Convert to injector.

### PERFORATION RECORD

Date	Interval	Grade	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



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

## 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.

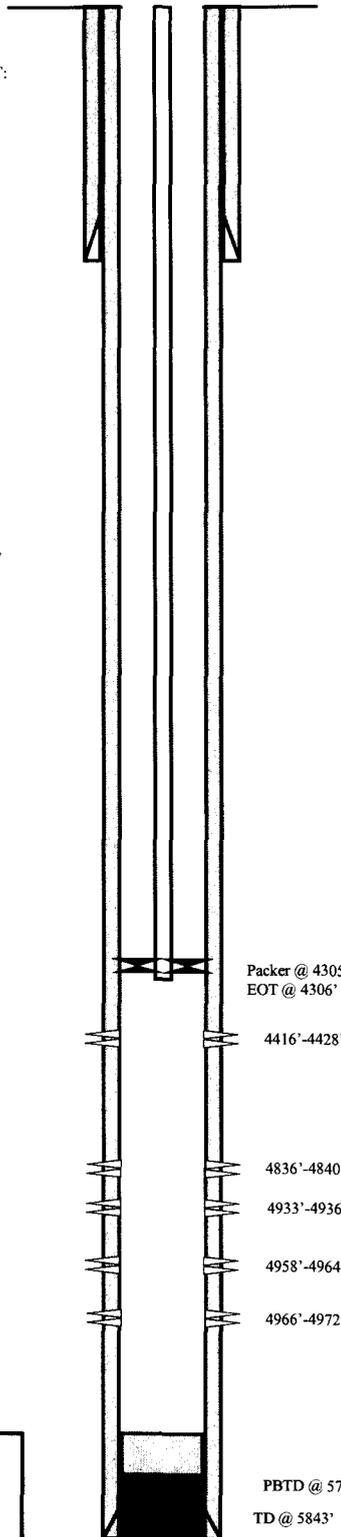
#### PRODUCTION CASING

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

## 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.

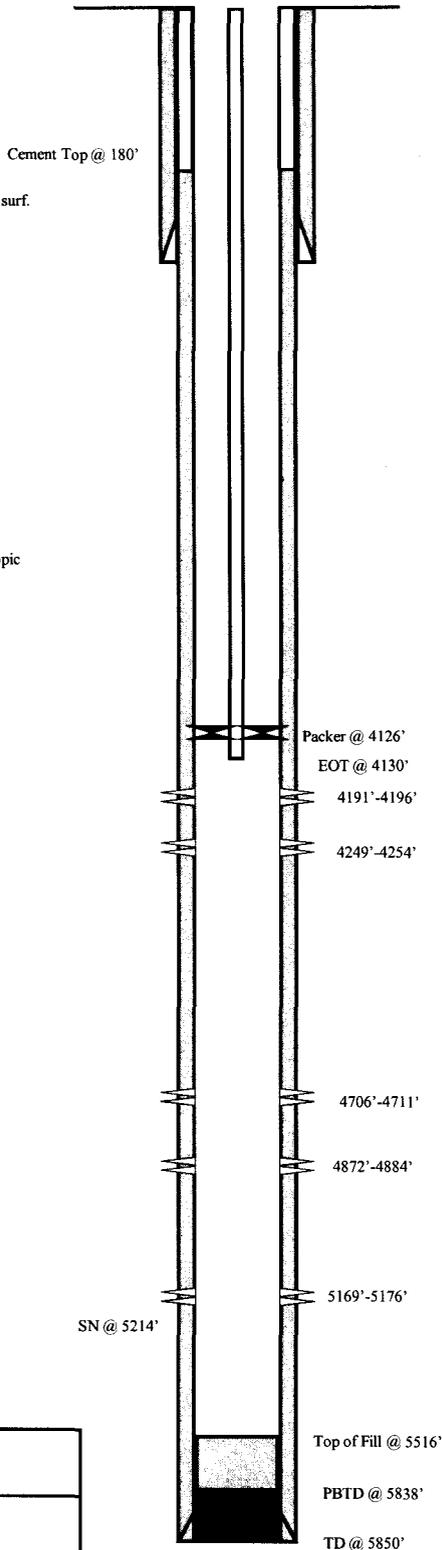
### PRODUCTION CASING

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

### Wellbore Diagram



### FRAC JOB

5/26/98	5169'-5176'	<b>Frac A-3 sand as follows:</b> 104,640# of 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

**NEWFIELD**

**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 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

Injection Wellbore  
 Diagram

**SURFACE CASING**

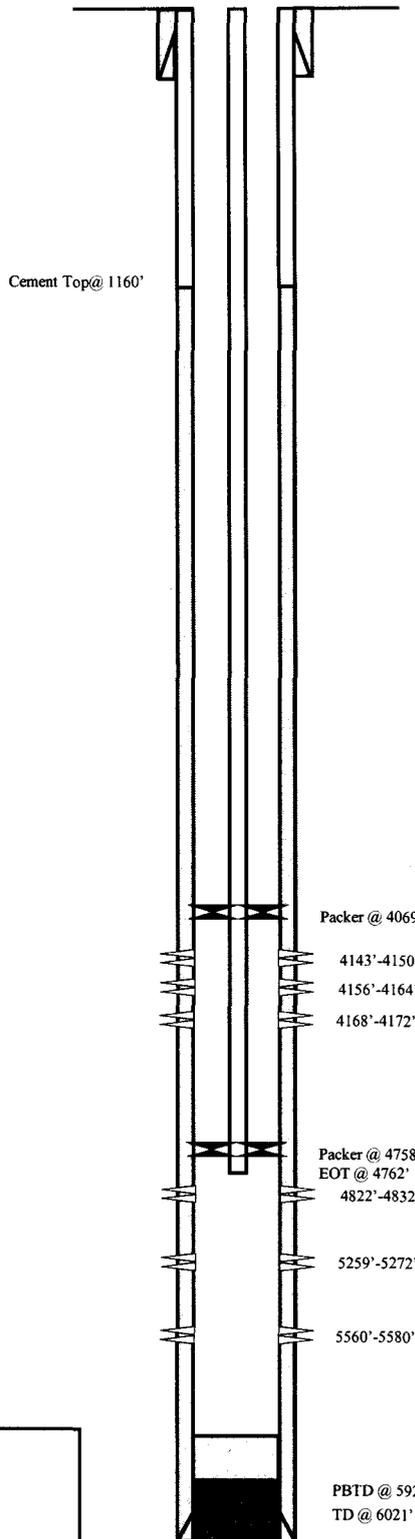
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 32#  
 LENGTH:  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 sxs cement.

**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 / 4.7#  
 XO: 2-3/8" (0.3)  
 TBG: 1 jt 2-3/8" (31.8)  
 TBG PUP: 2-3/8" (22.2)  
 NO. OF JOINTS: 129 jts (3996.9')  
 XO: 2-3/8" (0.5)  
 PACKER: 5-1/2" / 6.5# CE @ 4069'  
 XO: 2-3/8" (0.5)  
 NO. OF JOINTS: 22 jts (682.5')  
 XO: 2-3/8" (0.5)  
 SEAL ASSEMBLY: 2-7/8" (0.3)  
 PACKER: 5-1/2" / 6.5# CE @ 4758'  
 TOTAL STRING LENGTH: EOT @ 4762'



**FRAC JOB**

6/10/82	5560'-5580'	<b>Frac CP sand as follows:</b> 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'	<b>Frac LODC sand as follows:</b> 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'	<b>Frac C sand as follows:</b> 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'	<b>Frac GB4 sand as follows:</b> 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		<b>Pump change.</b> Update rod and tubing details
12/21/07		<b>Tubing Leak.</b> Updated rod & tubing details.
04/04/12		<b>Convert to injection well</b>
04/10/12		<b>Conversion MIT Finalized</b> - update tbg detail

**PERFORATION RECORD**

6/09/82	5560'-5580'	2 JSPF	40 holes
6/11/82	5259'-5272'	2 JSPF	26 holes
6/12/82	4822'-4832'	2 JSPF	20 holes
6/16/02	4168'-4172'	4 JSPF	16 holes
6/16/02	4156'-4164'	4 JSPF	32 holes
6/16/02	4143'-4150'	4 JSPF	28 holes

**NEWFIELD**

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

600' FSL & 2020' FWL  
 SESW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30555; Lease #UTU-72107

## FEDERAL 8-9-9-16

Spud Date: 03/04/07  
 Put on Production: 05/11/07  
 GL: 5721' KB: 5733'

### Injection Wellbore Diagram

#### SURFACE CASING

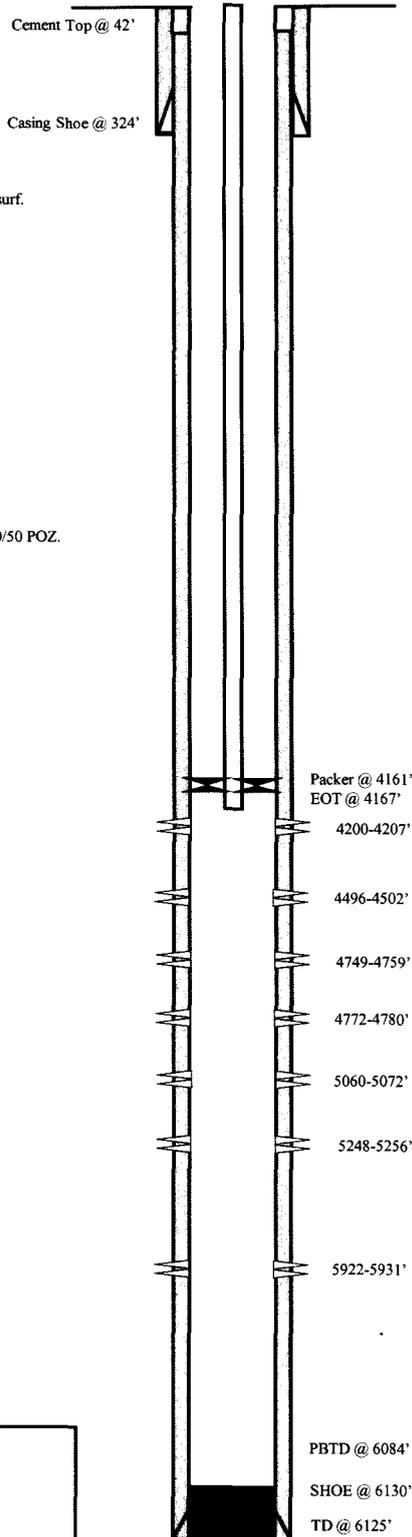
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (313.01')  
 DEPTH LANDED: 323.91' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6116.90')  
 DEPTH LANDED: 6130.15' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 42'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 126 jts (4144.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4165.2' KB  
 PACKER CE @ 4161.30'  
 TOTAL STRING LENGTH: EOT @ 4167' KB



#### FRAC JOB

04/12/07 5922-5931' **Frac CP5 sands as follows:**  
 14948# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 1920 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 5920 gal. Actual flush: 5376 gal.

04/12/07 5248-5256' **Frac A3 sands as follows:**  
 40548# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 25.1 BPM. ISIP 2075 psi. Calc flush: 5246 gal. Actual flush: 4742 gal.

04/12/07 5060-5072' **Frac B2 sands as follows:**  
 90627# 20/40 sand in 659 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25.4 BPM. ISIP 3544 psi. Calc flush: 5058 gal. Actual flush: 4553 gal.

04/12/07 4772-4780' **Frac D1 sands as follows:**  
 124470# 20/40 sand in 856 bbls Lightning 17 frac fluid. Treated @ avg press of 2033 psi w/avg rate of 25 BPM. ISIP 2150 psi. Calc flush: 4770 gal. Actual flush: 4242 gal.

04/13/07 4496-4502' **Frac PB10 sands as follows:**  
 14785# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2026 psi w/avg rate of 14.6 BPM. ISIP 2160 psi. Calc flush: 4494 gal. Actual flush: 3990 gal.

04/13/07 4200-4207' **Frac GB2 sands as follows:**  
 32559# 20/40 sand in 313 bbls Lightning 17 frac fluid. Treated @ avg press of 2966 psi w/avg rate of 25.1 BPM. ISIP 4000 psi. Calc flush: 4198 gal. Actual flush: 3658 gal.

05/17/12 **Convert to Injection Well**

05/22/12 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

04/04/07	5922-5931'	4 JSPF	36 holes
04/12/07	5248-5256'	4 JSPF	32 holes
04/12/07	5060-5072'	4 JSPF	48 holes
04/12/07	4772-4780'	4 JSPF	32 holes
04/12/07	4749-4759'	4 JSPF	40 holes
04/13/07	4496-4502'	4 JSPF	24 holes
04/13/07	4200-4207'	4 JSPF	28 holes

**NEWFIELD**

**FEDERAL 8-9-9-16**

1773'FNL & 666' FEL  
 SE/NE Section 9-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32918; Lease # UTU-65207

## FEDERAL 14-9-9-16

Spud Date: 03/20/07  
 Put on Production: 05/15/07  
 GL: 5814' KB: 5826'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7jts (311.85')  
 DEPTH LANDED: 321.85'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sxs Class "G", circ. 5 bbls to surf.

#### PRODUCTION CASING

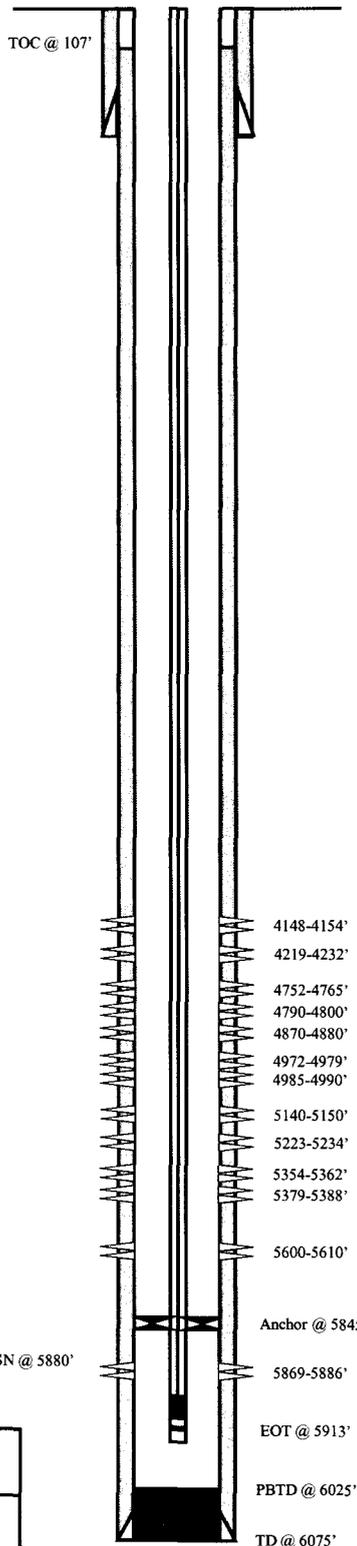
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137jts (6072.44')  
 DEPTH LANDED: 6070.44'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Premilite II & 450 sxs 50/50 POZ.  
 CEMENT TOP: 103' per CBL 4/18/07

#### TUBING (KS 11/28/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185jts (5833.4')  
 TUBING ANCHOR: 5845.4'  
 NO. OF JOINTS: 1jt (31.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5879.8'  
 NO. OF JOINTS: 1jt (31.6')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 5913'

#### SUCKER RODS (KS 11/28/12)

POLISHED ROD: 26' x 1-1/2" Polished Rod  
 SUCKER RODS: 99 x 3/4" 4per Guided Rods, 111 x 3/4" Sucker Rods, 18 x 3/4" 4per Guided Rods, 6 x 1-1/2" Sinker Bars  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 3.9  
 PUMPING UNIT: AMERICAN C-228-246-86



#### FRAC JOB

Date	Job ID	Description
05/07/07	5869-5886'	<b>Frac CP4 sands as follows:</b> 58920# 20/40 sand in 518 bbls Lightning 17 frac fluid.
05/07/07	5600-5610'	<b>Frac CP1 sands as follows:</b> 24630# 20/40 sand in 362 bbls Lightning 17 frac fluid.
05/08/07	5354-5388'	<b>Frac L.ODC sands as follows:</b> 59848# 20/40 sand in 500 bbls Lightning 17 frac fluid.
05/08/07	5223-5234'	<b>Frac A3 sands as follows:</b> 29710# 20/40 sand in 343 bbls Lightning 17 frac fluid.
05/08/07	5140-5150'	<b>Frac A1 sands as follows:</b> 45023# 20/40 sand in 417 bbls Lightning 17 frac fluid.
05/08/07	4985-4990'	<b>Frac B2 sands as follows:</b> 49798# 20/40 sand in 438 bbls Lightning 17 frac fluid.
05/08/07	4870-4979	<b>Frac C sands as follows:</b> 19413# 20/40 sand in 293 bbls Lightning 17 frac fluid.
05/08/07	4752-4800	<b>Frac D3 &amp; D2 sands as follows:</b> 90249# 20/40 sand in 1959 bbls Lightning 17 frac fluid.
05/08/07	4148-4232	<b>Frac GB6 &amp; GB4 sands as follows:</b> 40824# 20/40 sand in 382 bbls Lightning 17 frac fluid.
05/23/08		updated rod and tubing detail
03/12/11		Parted Rods. Rod & tubing details updated

#### PERFORATION RECORD

Date	Job ID	Tool Type	Holes
04/18/07	5869-5886'	4 JSPF	68 holes
05/07/07	5600-5610'	4 JSPF	40holes
05/07/07	5379-5388'	4 JSPF	36 holes
05/08/07	5354-5362'	4 JSPF	32 holes
05/08/07	5223-5234'	4 JSPF	44 holes
05/08/07	5140-5150'	4 JSPF	40 holes
05/08/07	4985-4990'	4 JSPF	20 holes
05/08/07	4972-4979'	4 JSPF	28 holes
05/08/07	4870-4880'	4 JSPF	40 holes
05/08/07	4790-4800'	4 JSPF	40 holes
05/08/07	4752-4765'	4 JSPF	52 holes
05/08/07	4219-4232'	4 JSPF	52 holes
05/08/07	4148-4154'	4 JSPF	24 holes

**NEWFIELD**

---

**FEDERAL 14-9-9-16**

718' FSL & 1976' FWL

SE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33053; Lease # UTU-79831

Spud Date: 03/27/07  
 Put on Production: 05/18/07  
 GL:5788' KB:5800'

## FEDERAL 15-9-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

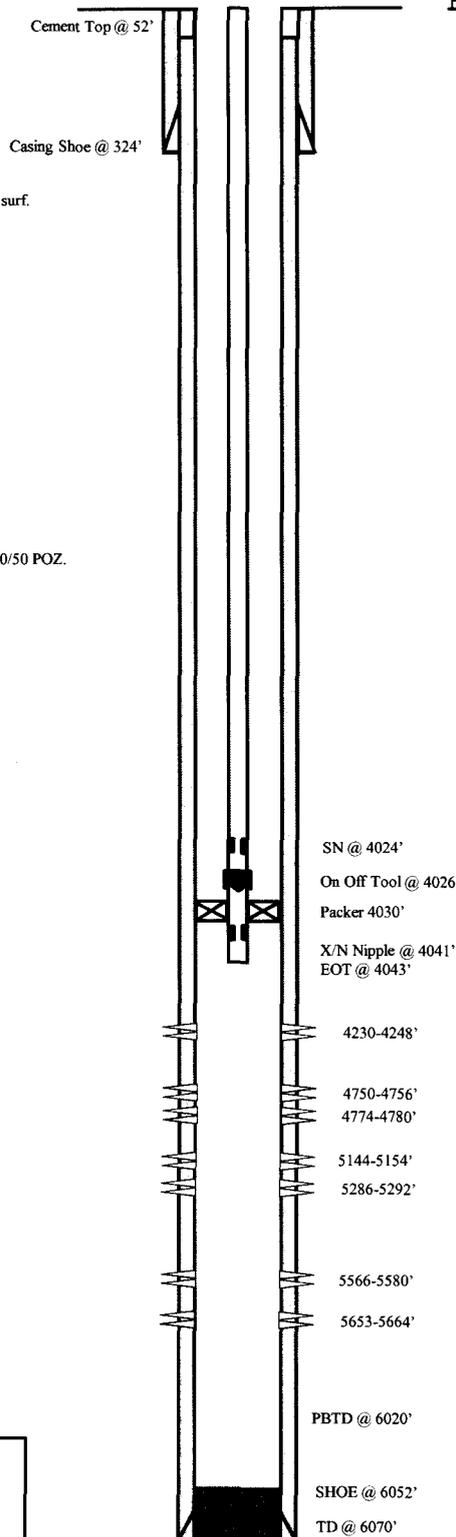
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.28')  
 DEPTH LANDED: 324.13' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### 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.  
 CEMENT TOP: 52'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 128 jts (4012.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4024.5'  
 ON/OFF TOOL AT: 4025.6'  
 ARROW #1 PACKER CE AT: 4030'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4034.4'  
 TBG PUP 2-3/8 J-55 AT: 4034.9'  
 X/N NIPPLE AT: 4041.2'  
 TOTAL STRING LENGTH: EOT @ 4043'



#### 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.
6/27/2011		Pump Change. Updated rod & tubing details.
10/22/12	4058-4064'	<b>Frac GB2 sands as follows:</b> 24437# 20/40 sand in 272 bbls Lightning 17 frac fluid.
10/24/12		<b>Convert to Injection Well</b>
10/25/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### 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
10/20/12	4058-4064'	3 JSPF	18 holes

**NEWFIELD**

**FEDERAL 15-9-9-16**

731' FSL & 1804' FEL  
 SW/SE Section 9-T9S-R16E  
 Duchesne Co, Utah

API #43-013-33054; Lease # UTU-79831

Spud Date: 3/29/08  
 Put on Production: 5/21/08  
 GL: 5776' KB: 5788'

## State 1-16-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

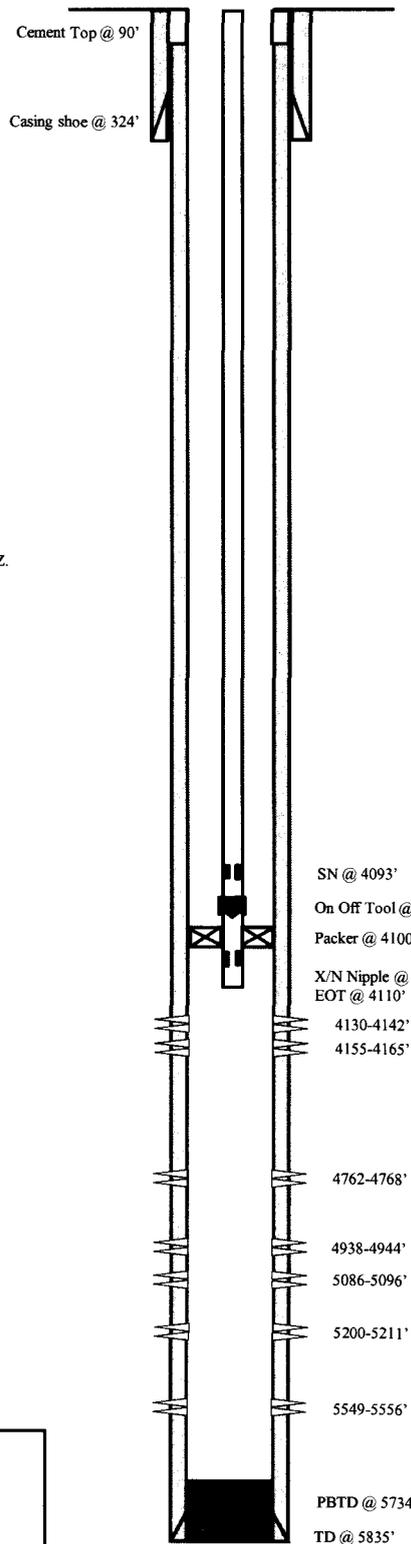
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 323.67  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt

#### 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: 130 jts (4081')  
 SEATING NIPPLE: 2-7/8" N-80 (1.10')  
 SN LANDED AT: 4093' KB  
 ON/OFF TOOL AT: 4094.1'  
 ARROW #1 PACKER CE AT: 4100.4'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4104.1'  
 TBG PUP 2-3/8 J-55 AT: 4104.6'  
 X/N NIPPLE AT: 4108.7'  
 TOTAL STRING LENGTH: EOT @ 4110.27'



#### FRAC JOB

05-15-08	5549-5556'	<b>Frac CP1 sds as follows:</b> 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'	<b>Frac LODC sds as follows:</b> 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'	<b>Frac A1 sds as follows:</b> 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'	<b>Frac B2 sds as follows:</b> 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'	<b>Frac D3 sds as follows:</b> 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'	<b>Frac GB4 &amp; GB6 sds as follows:</b> 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		<b>Pump Change.</b> Updated r & t details.
9/17/09		<b>Tubing Leak.</b> Updated rod & tubing details.
11/19/09		<b>Pump Change.</b> Updated rod & tubing.
6/14/2010		<b>Tubing Leak.</b> Update rod and tubing details
03/25/11		<b>Pump Change.</b> Rod & tubing updated.
07/11/13		<b>Convert to Injection Well</b>
07/15/13		<b>Conversion MIT Finalized</b> - update tbg detail

#### 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

## State 2-16-9-16

Spud Date: 3/31/08

Put on Production: 5/28/08  
GL: 5809' KB: 5821'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (314.36')  
DEPTH LANDED: 324.36'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx Class "G", circ. 3 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (5817.67')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5815.67'  
CEMENT DATA: 315 sxs Prem. Lite II & 415 sxs 50/50 Poz  
CEMENT TOP AT: 54' per CBL 5/15/08

#### TUBING (GI 4/5/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 178 jts (5548.8')  
TUBING ANCHOR: 5560.8'  
NO. OF JOINTS: 1 jt (31.5')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5595.1' KB  
NO. OF JOINTS: 2 jts (62.1')  
NOTCHED COLLAR: 2-7/8" (0.5')  
TOTAL STRING LENGTH: EOT @ 5659' KB

#### SUCKER RODS (GI 4/5/11)

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 8', 4', 4' 7/8" pony rods, 97 x 3/4" guided rods, 79 x 3/4" guided rods, 40 x 3/4" guided rods, 6 x 1-1/2" weight rods, 6(4') x 1" stabilizer rods.  
PUMP SIZE: 2-1/2" x 1-1/4" x 16 RHAC  
STROKE LENGTH: 63"  
PUMP SPEED, SPM: 4  
PUMPING UNIT: LUFKIN C-228-212-86

#### FRAC JOB

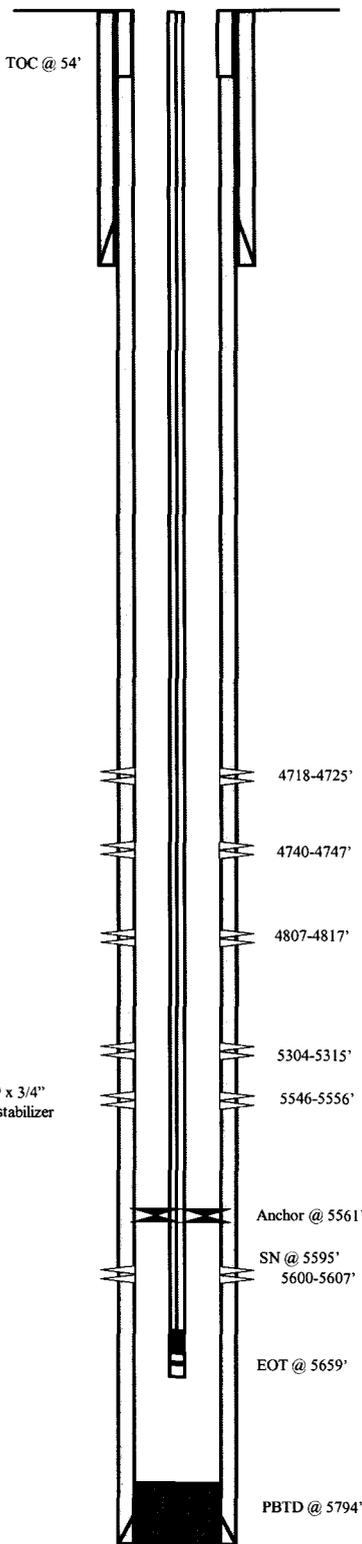
05-21-08 5546-5556' **Frac CP1 sds as follows:**  
15,030# 20/40 sand in 274 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1971 psi @ ave rate of 26.4 BPM. ISIP 1642 psi. Actual Flush: 5040 gals.

05-21-08 5304-5315' **Frac LODC sds as follows:**  
20,640# 20/40 sand in 313 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2881 psi @ ave rate of 23 BPM. ISIP 2797 psi. Actual Flush: 4801 gals.

05-21-08 4807-4817' **Frac C sds as follows:**  
24,830# 20/40 sand in 339 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2219 psi @ ave rate of 23 BPM. ISIP 2256 psi. Actual Flush: 4330 gals.

05-22-08 4718-4725' **Frac D2 & D3 sds as follows:**  
25,834# 20/40 sand in 447 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2017 psi @ ave rate of 23.5 BPM. ISIP 2000 psi. Actual flush: 4670 gals.

2/18/09 Tubing Leak. Updated r & t details.  
4/7/11 Tubing leak. Updated Rod & tubing details.



#### PERFORATION RECORD

Depth Range	Number of JSPF	Number of Holes
4718-4725'	4 JSPF	28 holes
4740-4747'	4 JSPF	28 holes
4807-4817'	4 JSPF	40 holes
5304-5315'	4 JSPF	44 holes
5546-5556'	4 JSPF	40 holes
5600-5607'	4 JSPF	28 holes

**NEWFIELD**

State 2-16-9-16  
497' FNL & 1982' FEL  
NW/NE Section 16-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33846; Lease #ML-16532

## NEWFIELD



### GMBU M-9-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Legal Location: SE/NW Section 9, T9S, R16E; 1977 FNL & 1935 FWL

Elevation: 5787' GL + 10' KB

API Number: 43-013-51690; Lease Number: UTU-79833

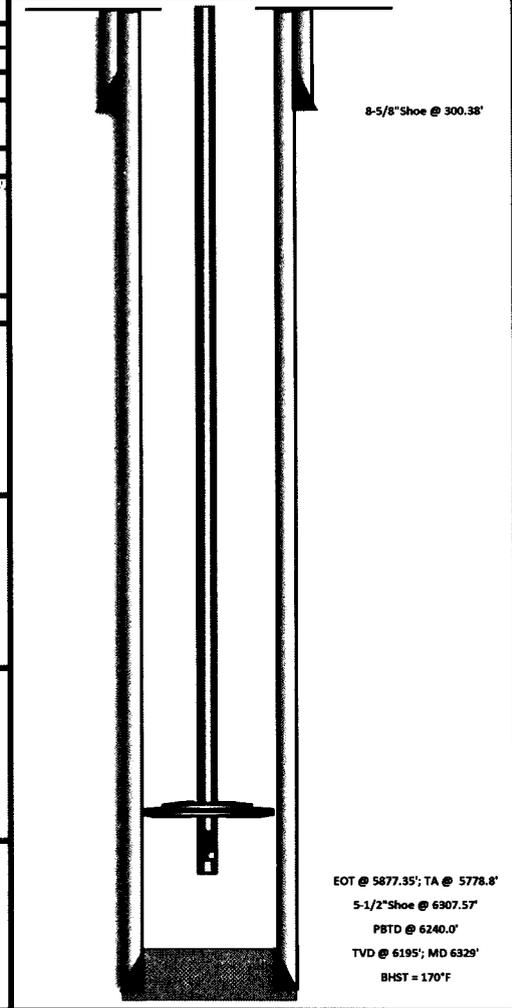
Paul Lembcke

PFM 6/13/2013

Spud Date: 5/27/2013

PoP Date: 7/3/2013

Casing Detail	Casing	Top	Bottom	Size	WT.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	300'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,308'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TBC Detail	Top	Bottom	Coupling	Size	WT.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,877'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,779'	
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump			
	Polish Rod			0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5796'			
	Pony Rod			30'	46'	7/8"	Tenaris D78	16	1				
	4per Guided Rod			46'	1,896'	7/8"	Tenaris D78	1850	74				
	4per Guided Rod			1,896'	5,046'	3/4"	Tenaris D78	3150	126				
8per Guided Rod			5,046'	5,796'	7/8"	Tenaris D78	750	30					
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	2	-	-	Formation:	GB4						
	0'	0'	2	-	-	20/40 White:	24,648 lbs	15% HCl:	0 gals				
	0'	0'	2	-	-	Pad:	2,880 gals	Treating Fluid:	3,600 gals				
	0'	0'	2	-	-	Flush:	4,276 gals	Load to Recover:	10,756 gals				
	0'	0'	2	-	-	ISIP=	0.852 psi/ft	Max STP:	2,602 psi				
	4,276'	4,282'	2	0.34	6/25/2013								
3	0'	0'	2	-	-	Formation:	C-Sand D1						
	0'	0'	2	-	-	20/40 White:	22,811 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Pad:	2,953 gals	Treating Fluid:	5,350 gals				
	0'	0'	2	-	-	Flush:	4,893 gals	Load to Recover:	13,700 gals				
	0'	0'	2	-	-	ISIP=	0.808 psi/ft	Max STP:	2,549 psi				
	4,860'	4,862'	2	0.34	6/25/2013								
5,038'	5,042'	2	0.34	6/25/2013									
2	0'	0'	2	-	-	Formation:	A3 B2						
	0'	0'	2	-	-	20/40 White:	79,948 lbs	15% HCl:	504 gals				
	0'	0'	2	-	-	Pad:	3,738 gals	Treating Fluid:	18,670 gals				
	5,172'	5,174'	2	0.34	6/25/2013	Flush:	5,116 gals	Load to Recover:	28,028 gals				
	5,328'	5,329'	2	0.34	6/25/2013	ISIP=	1.208 psi/ft	Max STP:	4,265 psi				
	5,336'	5,337'	2	0.34	6/25/2013								
5,342'	5,344'	2	0.34	6/25/2013									
1	0'	0'	2	-	-	Formation:	CP1						
	0'	0'	2	-	-	20/40 White:	14,738 lbs	15% HCl:	756 gals				
	0'	0'	2	-	-	Pad:	3,797 gals	Treating Fluid:	3,560 gals				
	0'	0'	2	-	-	Flush:	5,830 gals	Load to Recover:	13,943 gals				
	0'	0'	2	-	-	ISIP=	0.821 psi/ft	Max STP:	3,521 psi				
	5,788'	5,794'	2	0.34	6/20/2013								
CEMENT	Surf	On 5/28/13 Baker Hughes cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 10 bbls to the pit.											
	Prod	On 6/7/13 Baker pumped 220sks lead @ 11 ppg w/ 3.53 yield plus 455 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 1 bbls to the pit. TOC @ 210'.											



EOT @ 5877.35'; TA @ 5778.8'  
 5-1/2" Shoe @ 6307.57'  
 P8TD @ 6240.0'  
 TVD @ 6195'; MD 6329'  
 BHST = 170°F

## NEWFIELD



### GMBU T-9-9-16

Greater Monument Butte - Duchesne County, Utah, USA

Surface Location: SW/SW - Sec 10, T9S, R16E; 571' FSL & 621' FWL

Elevation: 5743' GL + 10' KB

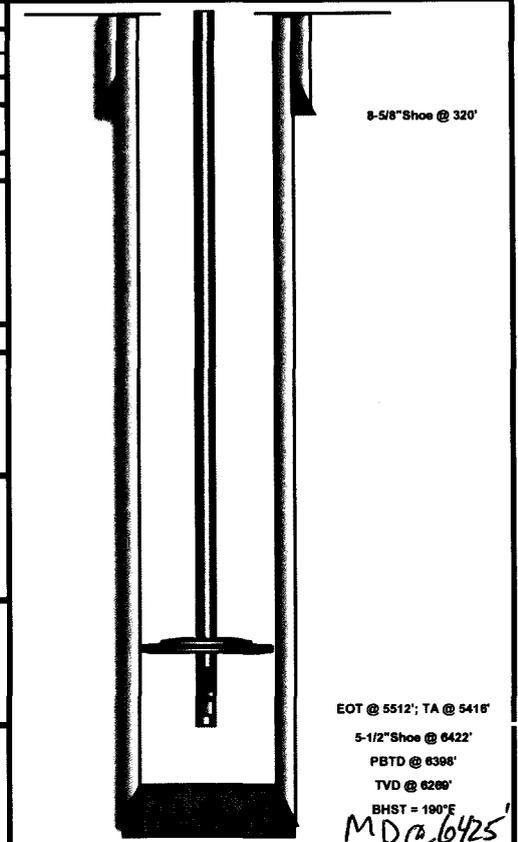
AP# 43-013-51148; Lease# UTU-72107

Mickey Moulton

DLB 5/6/13

Spud Date: 10/5/12; PoP Date: 1/21/13

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	bb/ft	Coupling	Hole	
	Surf	10'	320'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2,6749	STC	12,250	
Prod	10'	6,422'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7,875		
TBG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger			
	10'	5,512'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,416'			
ROD DETAIL	Component			Top	Bottom	Size	Grade	Length	Count	Pump				
	4per Guided Rod				30'	1 1/4"	C(API)	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @				
	Pony Rod				30'	7/8"	C(API)	2'	1	5,440'				
	Polish Rod				32'	40'	7/8"	C(API)	8'	1				
	4per Guided Rod				40'	1,840'	7/8"	Tenaris D78	1,800'	72				
	4per Guided Rod				1,840'	4,740'	3/4"	Tenaris D78	2,900'	116				
8per Guided Rod				4,740'	5,440'	3/4"	Tenaris D78	700'	28					
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary								
4	4,274'	4,276'	3	0.34	1/8/2013	Formation:	GB-4							
	4,281'	4,283'	3	0.34	1/8/2013	20/40 White:	61,226 lbs	15% HCl:	0 gals					
	4,289'	4,291'	3	0.34	1/8/2013	Pad:	1,789 gals	Treating Fluid:	13,563 gals					
						Flush:	4,255 gals	Load to Recover:	19,607 gals					
						ISIP=	0.902 psi/ft	Max STP:	2,287 psi					
3	4,972'	4,973'	3	0.34	1/8/2013	Formation:	B-1 C-Sand							
	4,982'	4,984'	3	0.34	1/8/2013	20/40 White:	53,857 lbs	15% HCl:	504 gals					
	5,071'	5,073'	3	0.34	1/8/2013	Pad:	1,865 gals	Treating Fluid:	12,697 gals					
	5,081'	5,083'	3	0.34	1/8/2013	Flush:	4,969 gals	Load to Recover:	20,036 gals					
						ISIP=	0.896 psi/ft	Max STP:	3,217 psi					
2	5,130'	5,132'	3	0.34	1/8/2013	Formation:	A-3 B-3							
	5,260'	5,262'	3	0.34	1/8/2013	20/40 White:	74,900 lbs	15% HCl:	1,823 gals					
	5,281'	5,282'	3	0.34	1/8/2013	Pad:	3,251 gals	Treating Fluid:	15,162 gals					
	5,298'	5,300'	3	0.34	1/8/2013	Flush:	5,641 gals	Load to Recover:	25,877 gals					
						ISIP=	0.900 psi/ft	Max STP:	2,886 psi					
1	5,407'	5,409'	3	0.34	1/8/2013	Formation:	LODC							
	5,420'	5,422'	3	0.34	1/8/2013	20/40 White:	370,555 lbs	15% HCl:	714 gals					
	5,436'	5,438'	3	0.34	1/8/2013	Pad:	4,070 gals	Treating Fluid:	9,549 gals					
						Flush:	4,712 gals	Load to Recover:	18,835 gals					
						ISIP=	N/A psi/ft	Max STP:	3,359 psi					
CEMENT	Surf	On 10/6/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5bbbs to the pit.												
	Prod	On 10/17/2012 Baker pumped 470 sks lead @ 11 ppg w/ 3.53 yield plus 240 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25bbbs to the pit. TOC @ 1'.												



EOT @ 5512'; TA @ 5416'  
 5-1/2" Shoe @ 6422'  
 PBTD @ 6398'  
 TVD @ 6209'  
 BHST = 190°F  
 MDCB.6425'

## GMBU L-9-9-16

Spud Date: 9/28/12  
 Put on Production: 11/6/12  
 GL: 5722' KB: 5732'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6jts (263.15')  
 DEPTH LANDED: 319.62'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sxs Class "G" cmt, circ 5 bbls to surf.

#### PRODUCTION CASING

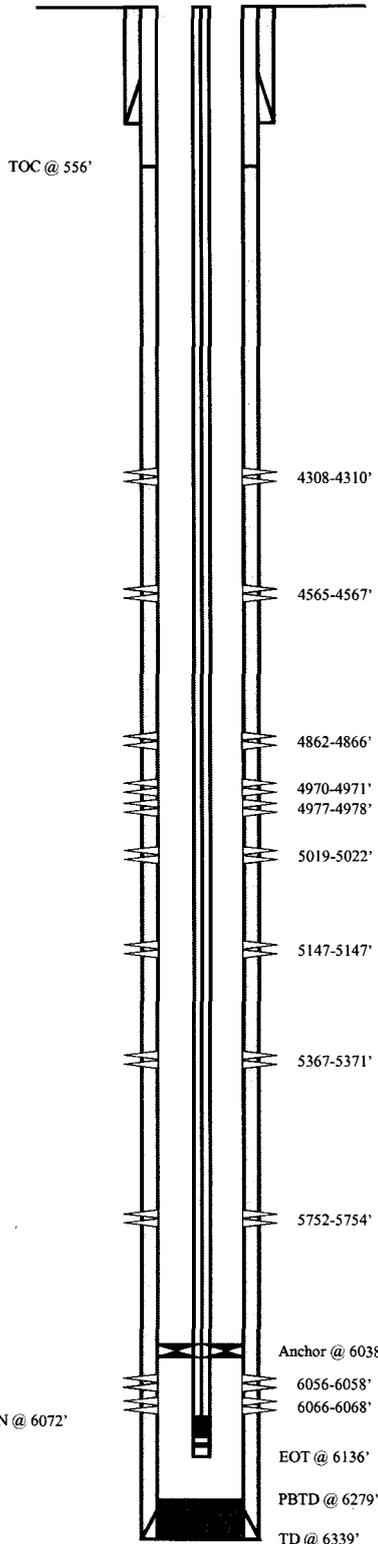
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154jts. (6306.08')  
 DEPTH LANDED: 6322.69'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240sxs Premilite II & 470sxs 50:50 POZ.  
 CEMENT TOP: 556' per CBL 10/22/12

#### TUBING (KS 11/6/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 192jts (6026.7')  
 TUBING ANCHOR: 6037.5'  
 NO. OF JOINTS: 1jt (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6071.8'  
 NO. OF JOINTS: 2jts (63')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 6136'

#### SUCKER RODS (KS 11/6/12)

POLISHED ROD: 30' x 1-1/2" Polished Rods  
 SUCKER RODS: 2', 6', 8' x 7/8" Pony Rods, 71 x 7/8"  
 4per Guided Rods, 140 x 3/4" 4per Guided Rods, 30 x 7/8"  
 8per Guided Rods  
 PUMP SIZE: 2-1/2" x 1-3/4" x 21' x 24' RHAC  
 STROKE LENGTH: 146"  
 PUMP SPEED, SPM: 4.5  
 PUMPING UNIT: DARCO C-640-365-168



#### FRAC JOB

5752-6068' **Frac zone as follows:**  
 50,838# 20/40 sand in 302 bbls 17# Borate Treated @ 3324 avg PSI w/avg rate of 38 BPM. ISIP 1515 psi.

5147-5371' **Frac zone as follows:**  
 35,419# 20/40 sand in 228 bbls 17# Borate Treated @ 3162 avg PSI w/avg rate of 32 BPM. ISIP 1725 psi.

4970-5022' **Frac zone as follows:**  
 50,077# 20/40 sand in 301 bbls 17# Borate Treated @ 3632 avg PSI w/avg rate of 28 BPM. ISIP 1850 psi.

4862-4866' **Frac zone as follows:**  
 59,471# 20/40 sand in 349 bbls 17# Borate Treated @ 3403 avg PSI w/avg rate of 29 BPM. ISIP 1975 psi.

4308-4567' **Frac zone as follows:**  
 30,160# 20/40 sand in 196 bbls 17# Borate Treated @ 3263 avg PSI w/avg rate of 32 BPM. ISIP 1585 psi.

#### PERFORATION RECORD

Depth Range	Perforation Type	Date
4308-4310'	3 JSPF	10/24/12
4565-4567'	3 JSPF	10/24/12
4862-4866'	3 JSPF	10/24/12
4970-4971'	3 JSPF	10/24/12
4977-4978'	3 JSPF	10/24/12
5019-5022'	3 JSPF	10/24/12
5147-5148'	3 JSPF	10/24/12
5367-5371'	3 JSPF	10/24/12
5752-5754'	3 JSPF	10/22/12
6056-6058'	3 JSPF	10/22/12
6066-6068'	3 JSPF	10/22/12

**NEWFIELD**

---

**GMBU L-9-9-16**  
 1817' FNL & 669' FEL  
 SE/NE Section 9, T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-51173; Lease #UTU-65207

## NEWFIELD



**GMBU O-10-9-16**  
Monument Butte - Duchesne County, Utah, USA

Surf Location: SE/NE Sec 9, T9S, R10E; 1796' FNL & 663' FEL

5722' GL 10' KB

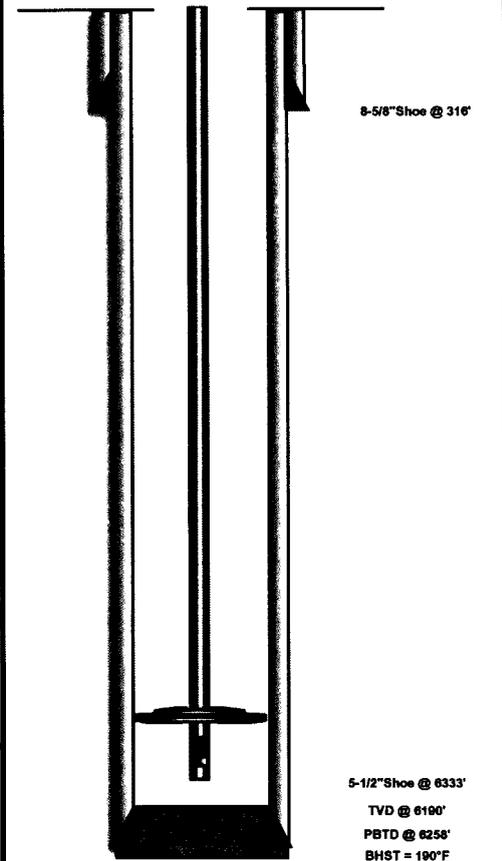
API#: 43-013-51174; Lease#: UTU-65207

Mickey Moulton

DLB 12/4/12

Spud Date: 9/29/12; PoP Date: 10/31/12

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/R	Coupling	Hole
	Surf	10'	316'	8.625"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,333'	5.5"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TBOG DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6,133'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 6,034'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod			30	1 1/2"	Spray Meata	30	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 6067'. Pump # 2061 (25-175-RHAC-20-4-21-24) W/ 4" SM Plunger & 224" Max Stroke				
	Pony Rod			30	7/8"	Tenaris D78	2	1					
	Pony Rod			32	7/8"	Tenaris D78	4	1					
	Pony Rod			36	7/8"	Tenaris D78	6	1					
	4per Guided Rod			42	7/8"	Tenaris D78	1900	76					
	4per Guided Rod			1942	3/4"	Tenaris D78	3375	135					
	8per Guided Rod			5317	7/8"	Tenaris D78	750	30					
8per Guided Rod			8067	7/8"	Tenaris D78								
Stage	Top	Bottom	SPF	Gun Size	Date	Frac Summary							
4	4,271'	4,272'	3	1'	10/23/2012	Formation:	GB-4		KCL 7%				
	4,279'	4,281'	3	2'	10/23/2012	20/40 White:	49,979 lbs	15% HCl:	0 gals				
	4,286'	4,288'	3	2'	10/23/2012	Pad:	2,902 gals	Treating Fluid:	11,975 gals				
						Flush:	4,166 gals	Load to Recover:	10,043 gals				
						ISIP=	0.886 psi/ft	Max STP:	2,932 psi				
3	4,760'	4,762'	3	2'	10/23/2012	Formation:	D-1 DS-2		KCL 7%				
	4,846'	4,848'	3	2'	10/23/2012	20/40 White:	63,364 lbs	15% HCl:	252 gals				
	4,855'	4,858'	3	3'	10/23/2012	Pad:	2,919 gals	Treating Fluid:	15,178 gals				
						Flush:	4,666 gals	Load to Recover:	23,015 gals				
						ISIP=	0.936 psi/ft	Max STP:	3,193 psi				
2	5,150'	5,152'	3	2'	10/23/2012	Formation:	A-3 B-2		KCL 7%				
	5,320'	5,322'	3	2'	10/23/2012	20/40 White:	88,248 lbs	15% HCl:	252 gals				
	5,327'	5,329'	3	2'	10/23/2012	Pad:	2,759 gals	Treating Fluid:	20,039 gals				
						Flush:	5,002 gals	Load to Recover:	28,052 gals				
						ISIP=	0.858 psi/ft	Max STP:	3,459 psi				
1	6,051'	6,054'	3	3'	10/22/2012	Formation:	CP-5		KCL 7%				
	6,062'	6,065'	3	3'	10/22/2012	20/40 White:	34,955 lbs	15% HCl:	378 gals				
						Pad:	4,259 gals	Treating Fluid:	9,029 gals				
						Flush:	6,014 gals	Load to Recover:	19,680 gals				
						ISIP=	0.813 psi/ft	Max STP:	3,027 psi				
CEMENT	Surf	On 9/29/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 1 bbls to the pit.											
	Prod	On 10/6/12 Baker pumped 240 sks lead @ 11 ppg w/ 3.53 yield plus 470 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 15 bbls to the pit. TOC @ 204'.											



MD @ 6331'

# 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'

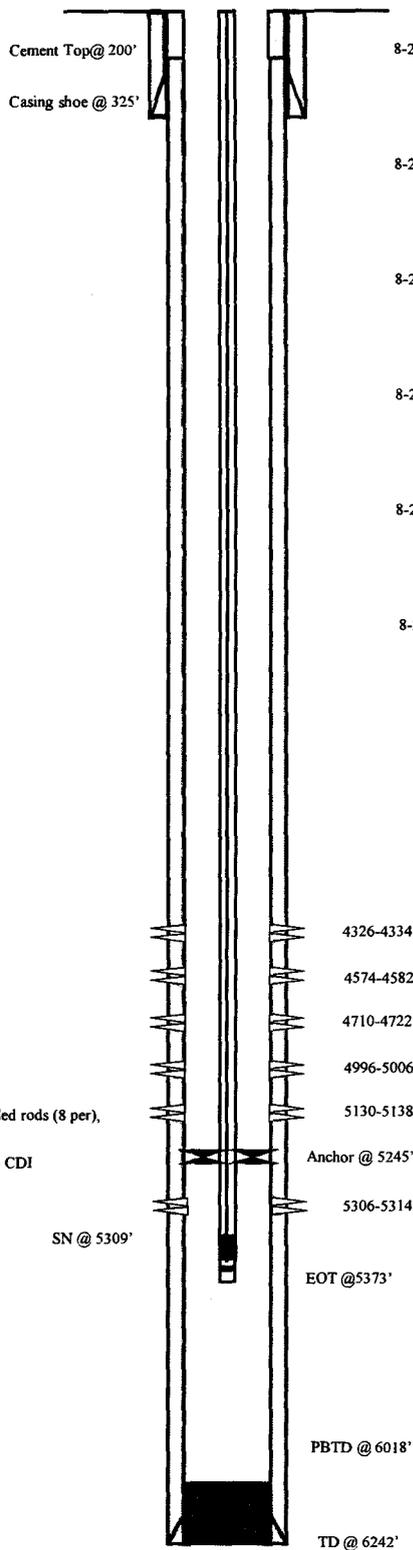
## TUBING

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'	<b>Frac A1 sds as follows:</b> 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'	<b>Frac B2 sds as follows:</b> 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'	<b>Frac C sds as follows:</b> 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'	<b>Frac DS1 sds as follows:</b> 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'	<b>Frac PB1 sds as follows:</b> 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'	<b>Frac GB6 sds as follows:</b> 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

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



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



Schematic

43-013-51692

Well Name: GMBU S-9-9-16

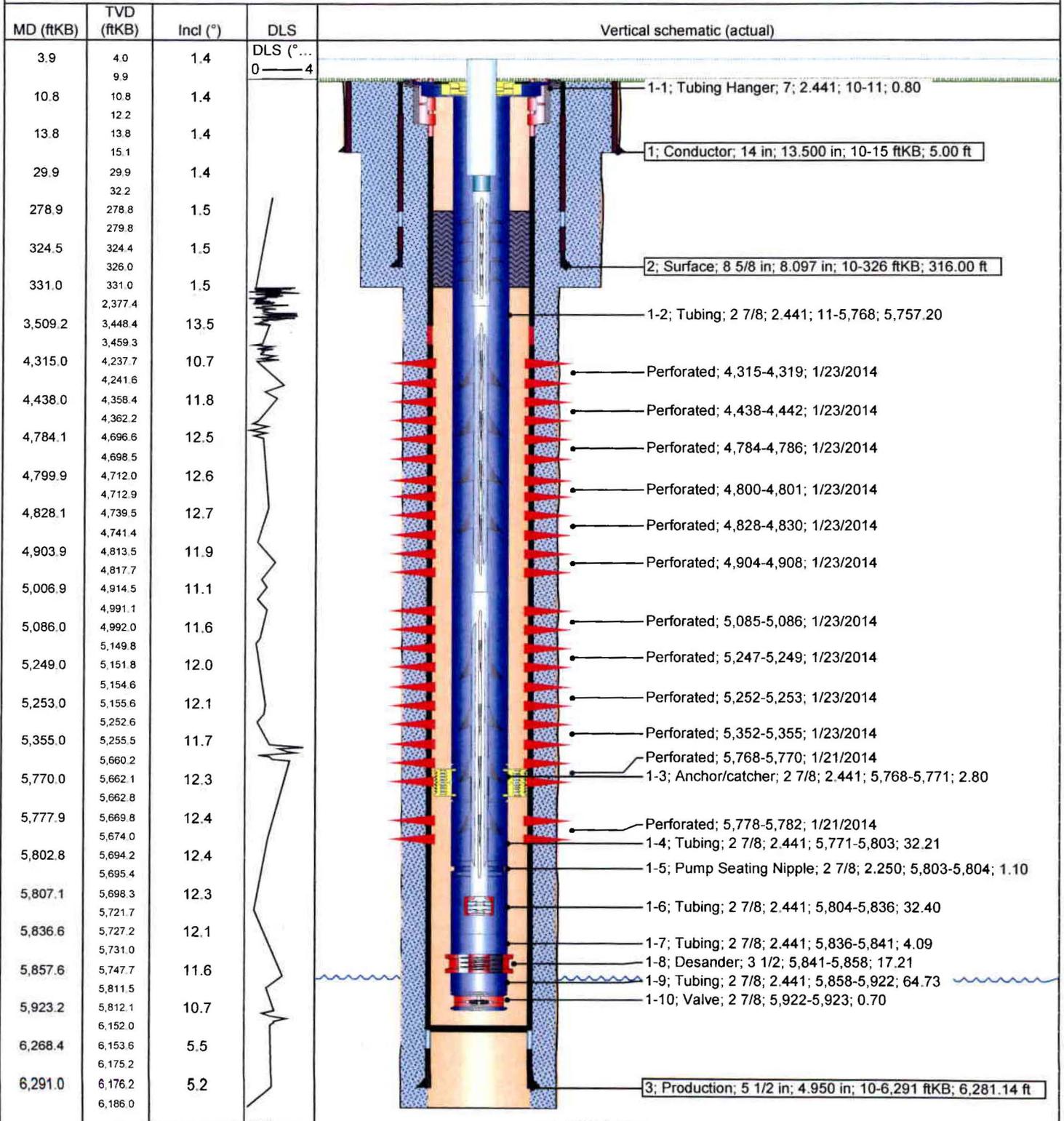
Surface Legal Location SESE 738 FSL 759 FEL Sec 9 T9S R16E Mer SLB		API/UWI 43013516920000	Well RC 500334459	Lease UTU40894	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/18/2013	Rig Release Date 1/7/2014	On Production Date	Original KB Elevation (ft) 5,771	Ground Elevation (ft) 5,761	Total Depth All (TVD) (ftKB) Original Hole - 6,186.1	PBD (All) (ftKB) Original Hole - 6,266.7	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/21/2014	Job End Date 1/31/2014
------------------------------------	--	---------------------------	-----------------------------	---------------------------

TD: 6,301.0

Slant - Original Hole, 2/28/2014 6:22:06 AM





Schematic

43-013-51685

Well Name: GMBU B-16-9-16

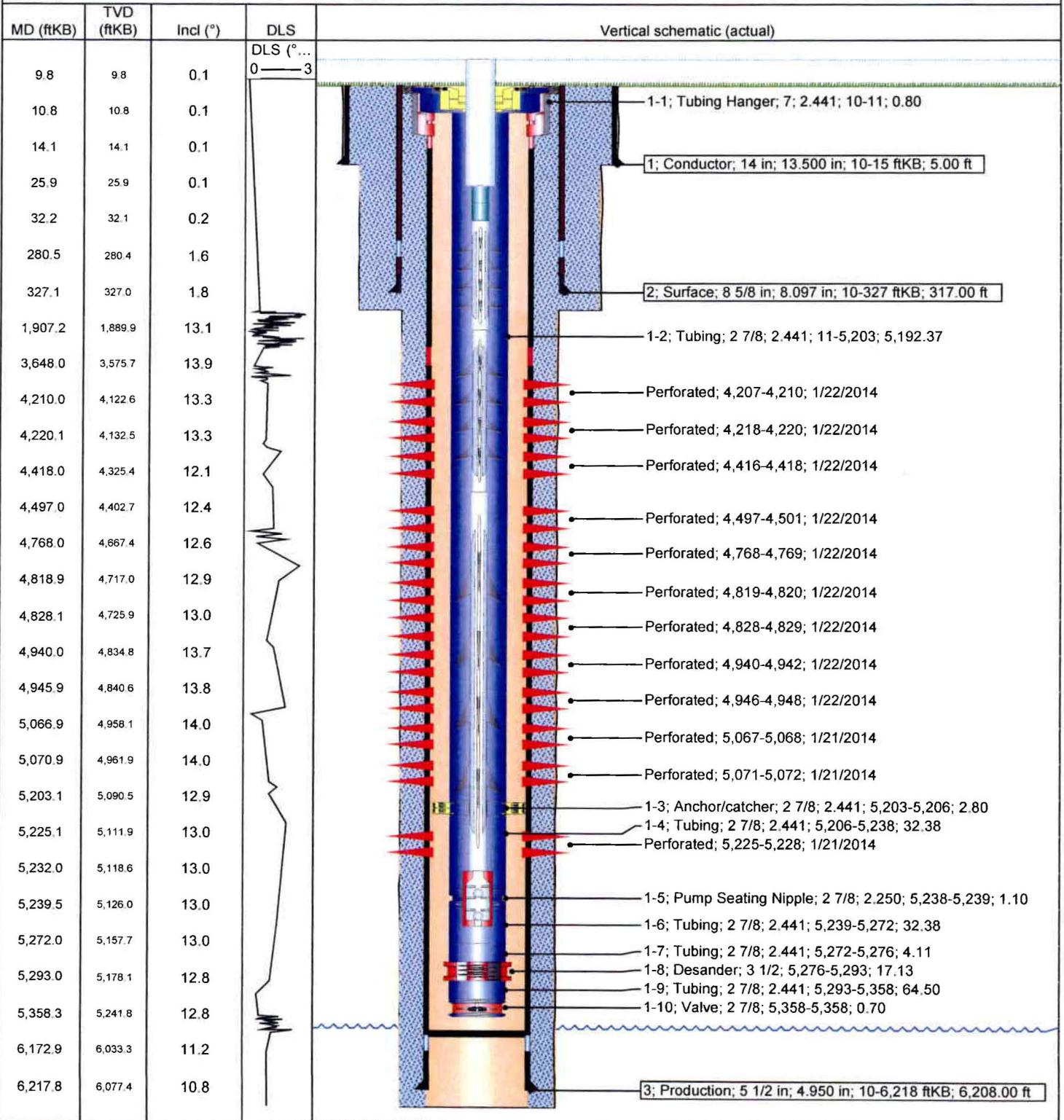
Surface Legal Location SESE 718 FSL 752 FEL Sec 9 T9S R16E Mer SLB		API/UWI 43013516850000	Well RC 500346804	Lease UTU40894	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/18/2013	Rig Release Date 1/2/2014	On Production Date	Original KB Elevation (ft) 5,771	Ground Elevation (ft) 5,761	Total Depth All (TVD) (ftKB) Original Hole - 6,085.4	PBD (All) (ftKB) Original Hole - 6,171.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Other Stimulation	Secondary Job Type P&P	Job Start Date 1/21/2014	Job End Date 1/28/2014
------------------------------------	---------------------------------------	---------------------------	-----------------------------	---------------------------

TD: 6,226.0

Slant - Original Hole, 2/28/2014 6:22:56 AM



43-013-51149

# NEWFIELD



## GMBU Q-10-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Location: SW/SW - Sec 10, T8S, R16E; 591' FSL & 628' FWL

Elevation: 5743' GL + 10' KB

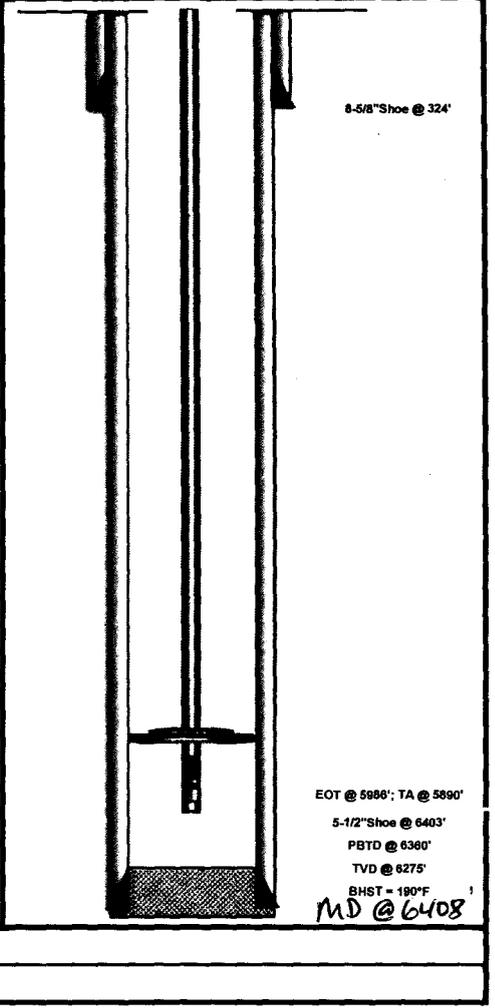
Mickey Moulton

DLB 5/6/13

API#: 43-013-51149; Lease#: UTU-72107

Spud Date: 10/4/12; PoP Date: 1/21/13

Casing Detail	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	bb/R	Coupling	Hole
	Surf	10'	324'	8.625	24#	J-55	7.972"	2,950	1,370	8.087"	2.6749	STC	12.250
Prod	10'	6,403'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TBG Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,986'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,890'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod			30'	1 1/2"	C(API)	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,913'				
	Pony Rod		30'	32'	7/8"	C(API)	2'	1					
	Pony Rod		32'	38'	7/8"	C(API)	6'	1					
	4per Guided Rod		38'	1,863'	7/8"	Tenaris D78	1,825'	73					
	4per Guided Rod		1,863'	5,213'	3/4"	Tenaris D78	3,350'	134					
	8per Guided Rod		5,213'	5,913'	7/8"	Tenaris D78	700'	28					
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,261'	4,263'	3	0.34		Formation:	GB-4					7% KCL	
	4,269'	4,271'	3	0.34		20/40 White:	57,646 lbs	15% HCl:				0 gals	
	4,283'	4,285'	3	0.34		Pad:	3,091 gals	Treating Fluid:				13,003 gals	
						Flush:	4,204 gals	Load to Recover:				20,298 gals	
						ISIP=	0.905 psi/ft	Max STP:				2,539 psi	
4	4,445'	4,447'	3	0.34	1/7/2013	Formation:	PB-8					7% KCL	
	4,453'	4,455'	3	0.34	1/7/2013	20/40 White:	45,051 lbs	15% HCl:				504 gals	
						Pad:	3,490 gals	Treating Fluid:				10,308 gals	
						Flush:	4,435 gals	Load to Recover:				18,737 gals	
						ISIP=	1.035 psi/ft	Max STP:				3,604 psi	
3	4,529'	4,530'	3	0.34	1/7/2013	Formation:	PB-11 PB-10					7% KCL	
	4,537'	4,539'	3	0.34	1/7/2013	20/40 White:	89,589 lbs	15% HCl:				504 gals	
	4,608'	4,608'	3	0.34	1/7/2013	Pad:	2,873 gals	Treating Fluid:				19,392 gals	
	4,610'	4,612'	3	0.34	1/7/2013	Flush:	4,532 gals	Load to Recover:				27,301 gals	
						ISIP=	0.923 psi/ft	Max STP:				3,092 psi	
2	5,311'	5,315'	3	0.34	1/7/2013	Formation:	A-3					7% KCL	
						20/40 White:	54,384 lbs	15% HCl:				504 gals	
						Pad:	5,309 gals	Treating Fluid:				7,390 gals	
						Flush:	5,300 gals	Load to Recover:				18,503 gals	
						ISIP=	0.856 psi/ft	Max STP:				3,170 psi	
1	5,894'	5,896'	3	0.34	1/5/2013	Formation:	CP-3					7% KCL	
	5,900'	5,902'	3	0.34	1/5/2013	20/40 White:	54,384 lbs	15% HCl:				750 gals	
	5,906'	5,908'	3	0.34	1/5/2013	Pad:	4,450 gals	Treating Fluid:				12,300 gals	
						Flush:	5,560 gals	Load to Recover:				22,810 gals	
						ISIP=	N/A psi/ft	Max STP:				2,344 psi	
CEMENT	Surf	On 10/6/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5bbbs to the pit.											
	Prod	On 10/13/12 Baker pumped 470 sks lead @ 11 ppg w/ 3.53 yield plus 240 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25bbbs to the pit. TOC @ 10'.											



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **WELLS DRAW INJ FACILITY**  
 Sample Point: **Commingled After Filter**  
 Sample Date: **11/18/2013**  
 Sample ID: **WA-259493**

Sales Rep: **Jacob Bird**  
 Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date: 11/26/2013		Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Pressure 1 (psig):	2000	Potassium (K):	39.00	Sulfate (SO4):	41.00
System Temperature 2 (°F):	210	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1122.00
System Pressure 2 (psig):	2000	Calcium (Ca):	41.00	Carbonate (CO3):	
Calculated Density (g/ml):	0.999	Strontium (Sr):	0.70	Acetic Acid (CH3COO)	
pH:	6.50	Barium (Ba):	0.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	2413.76	Iron (Fe):	0.11	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	24.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.00	Silica (SiO2):	4.92

Notes:  
 B=.4 AI=.18 Li=0

(PTB = Pounds per Thousand Barrels)

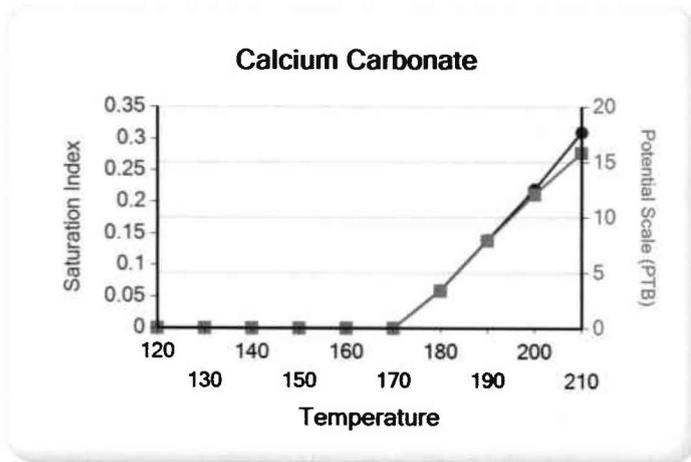
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.14	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.06	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate

These scales have positive scaling potential under final temperature and pressure:



**Attachment "G"**

**SouthWells Draw #16-9-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5110	5246	5178	3740	1.16	3707
4698	4704	4701	2310	0.92	2279 ←
4149	4224	4187	2350	1.00	2323
				<b>Minimum</b>	<u><u>2279</u></u>

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

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

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



### Daily Completion Report

**S. WELLS DRAW 16-9-9-16**  
SE/SE Section 9, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32044

Spud Date: 5/4/98  
MIRU Dri Rig: 5/10/98, Big A #46  
TD: 5850'  
Completion Rig: Flint #4891

**6/17/98 PO: Perf A/LDC sds. (Day 1)**

Summary: 6/16/98 – MIRU Flint #4352. NU BOP. PU & TIH w/4-3/4" bit, 5-1/2" csg scraper, 187 jts 2-7/8 8rd 6.5# M-50 tbg. Tag PBDT @ 5781'. Press test csg & BOP to 3000 psi. Swab FL dn to 4600'. TOH w/tbg. LD bit & scraper. SIFN.  
DC: \$21,636 TWC: \$176,525

**6/18/98 PO: Frac A/LDC sds. (Day 2)**

Summary: 6/17/98 – CP: 0. RU Schlumberger & perf A/LDC sds @ 5110-12', 5138-40' & 5240-46' w/4 jspf. TIH w/tbg to 5750'. IFL @ 4600'. Made 4 swab runs, rec 15 BTF w/tr oil. FFL @ 5300'. SIFN.  
DC: \$2,188 TWC: \$178,713

**6/19/98 PO: Perf C sds. (Day 3)**

Summary: 6/18/98 – TP: 0, CP: 0. IFL @ 5300'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU BJ Services & frac A/LDC sds w/77,350# 20/40 sd in 467 bbls Viking I-25 fluid. Perfs broke dn @ 3260 psi. Pressure increased rapidly when sd hit perfs. Rate was increased to 35 BTF w/no pressure breakover. Sn was cut @ blender @ 8.1#. Final 30 bbls of flush required stepping rate dn to avoid over pressure. ISIP: 3740 psi, 5 min: 3120 psi. Flowback on 12/64 choke for 3 hrs & died. Rec 70 BTF (est 15% of load). SIFN w/est 397 BWTR.  
DC: \$20,741 TWC: \$199,454

**6/20/98 PO: Frac C sds. (Day 4)**

Summary: 6/19/98 – CP: 0. TIH w/5-1/2" RBP & tbg. Set plug @ 4909'. Press test plug to 3000 psi. Circ hole clean. Swab FL dn to 4300'. Rec 92 BTF. TOH w/tbg. RU Schlumberger & perf C sds @ 4857-63' w/4 jspf. TIH w/tbg to 1256'. SIFN w/est 305 BWTR.  
DC: \$3,217 TWC: \$202,671

**6/21/98 PO: Perf D sds. (Day 5)**

Summary: 6/20/98 – TP: 0, CP: 0. Con't TIH w/tbg f/1256' to 4877'. IFL @ 4300'. Made 5 swab runs, rec 10 BTF. FFL @ 4800'. TOH w/tbg. NU isolation tool. RU BJ Services & frac C sds w/54,400# 20/40 sd in 260 bbls Viking I-25 fluid. Perfs broke dn @ 2385 psi. Treated @ ave press of 2000 psi w/ave rate of 29 BPM. Screened out w/7-1/2# sd @ perfs & 7-1/2# sd @ blender. Cut sd & flush 5 bbls before zone locked up. Flowback est 44 bbls frac fluid. ND isolation tool. TIH w/RH & tbg. Circ out sd laden fluids to 4830'. Pull EOT to 4768'. SIFN w/est 511 BWTR.  
DC: \$19,292 TWC: \$221,963

**6/22/98 SD for Sunday.**

**6/23/98 PO: Frac D sds. (Day 6)**

Summary: 6/22/98 – TP: 0, CP: 0. TIH w/RH & tbg f/4768'. Tag sd @ 4859'. CO sd to RBP @ 4909'. Release plug. Pull up & reset @ 4750'. Press test plug to 3000 psi. Swab FL dn to 4200'. Rec 90 BTF. TOH w/tbg. RU Schlumberger & perf D sds @ 4698-4704' w/4 jspf. TIH w/tbg to 4704'. IFL @ 4200'. Made 3 swab runs, rec 12 BTF. FFL @ 4700'. SIFN w/est 409 BWTR.  
DC: \$3,091 TWC: \$225,054



## Daily Completion Report - Page Two

**S. WELLS DRAW 16-9-9-16**  
SE/SE Section 9, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32044

Spud Date: 5/4/98  
MIRU Drl Rig: 5/10/98, Big A #46  
TD: 5850'  
Completion Rig: Flint #4891

**6/24/98 PO: Perf GB sds. (Day 7)**

Summary: 6/23/98 – TP: 0, CP: 0. IFL @ 4600', made 2 swb runs, rec 1 BTF w/tr oil, FFL @ 4700'. TOH w/tbg. NU isolation tool. RU BJ Services and frac D sds w/104,000# 20/40 sd in 436 bbls Viking I-25 fluid. Perfs broke dn @ 3520 psi. Treated @ ave press of 2310 psi w/ave rate of 25.4 bpm w/7-1/2# sd on perfs. Pressure increased rapidly. Sd was cut @ blender @ 9-1/2#. Flushed 26 bbls before zone locked up. ISIP: 3670 psi, 5 min: 2150 psi. Est 81,500# sd in perfs, 22,500# sd left in csg. Flowback on 12/64" ck for 4 hrs, then well oozed heavy sd for 2 hrs before dying. Rec 115 BTF (est 26% of load). SIFN w/est 729 BWTR.  
DC: \$24,871 TWC: \$249,925

**6/25/98 PO: Frac GB sds. (Day 8)**

Summary: 6/24/98 – CP: 0. TIH w/RH & tbg. Tag sd @ 3947'. CO sd to RBP @ 4750'. Release plug. Pull up & reset @ 4310'. Press test plug to 3000 psi. Swab FL dn to 3600'. Rec 77 BTF. TOH w/tbg. RU Schlumberger & perf GB sds @ 4149-53', 4161-65', 4207-09' & 4219-24' w/4 jspf. TIH w/tbg to 1258'. SIFN w/est 652 BWTR.  
DC: \$4,435 TWC: \$254,360

**6/26/98 PO: Run production string. (Day 9)**

Summary: 6/25/98 - TIH w/ TBG to 4270'. RU swab eq, made 2 swab runs rec 19 bbls WTR w/ trace oil, IFL @ 3300' FFL @ 4100, RD swab eq. TOOH w/ TBG. NU isolation tool. RU BJ Services and frac GB sand w/ 108,354 # of 20/40 sand in 646 bbls of Viking I-25 fluid. Broke perfs down @ 2710 psi, treated @ average press of 1770 psi, w/ average rate of 26.0 BPM, ISIP - 2350 psi, 5 min SI 2050 psi. Flow back on 12/64 choke for 4 Hrs & died. Rec 150 BTF. ( Est 23 % of load ). SIFN. Est 1,781 BWTR.  
DC: \$23,605 TWC: \$277,965

**6/27/98 PO: Run production string. (Day 10)**

Summary: 6/26/98 – TP: 0, CP: 0. TIH w/RH & TBG, tagged sand @ 4208'. Reverse circ sand out to RBP @ 4310'. Release plug. TOH w/TBG & LD plug. TIH w/ TBG tagged sand @ 5098'. Reverse circ sand out to 5500', reset TBG @ 5446'. RU swab eq, made 14 swab runs recovered 168 BW w/trace of oil, no sand. IFL @ surface. FFL @ 1600'. SIFN w/est 1,613 BWTR.  
DC: \$2,345 TWC: \$280,310

**6/28/98 PO: Place well on production. (Day 11)**

Summary: 6/27/98 – TP: 0, CP: 0. RU swab eq, made 14 swab runs recovered 163 BW & 12 BO, good gas, no sand on last 5 runs. IFL @ 700'. FFL @ 2000'. Flush TBG w/#) BW. TIH w/ 2 jts tbg. Tagged sand @ 5500'. TOH w/TBG TIH w/Production string - NC, 2 JTS, SN, 2 JTS, TA, 168 JTS TBG. ND BOP land TA w/10,000# tension. SIFN w/est 1,450 BWTR. EOT @ 5333', SN @ 5269', TA @ 5207'.  
DC: \$1,711 TWC: \$282,021

**6/29/98 SD for Sunday.**



Daily Completion Report - Page Three

**S. WELLS DRAW 16-9-9-16**  
SE/SE Section 9, T09S R16E  
DUCHESNE Co., Utah  
API # 43-013-32044

Spud Date: 5/4/98  
MIRU Drl Rig: 5/10/98, Big A #46  
TD: 5850'  
Completion Rig: Flint #4891

**6/30/98 PO: Well on production. (Day 12)**

Summary: 6/29/98 – PU & TIH w/rod string as follows: 2-1/2" x 1-1/2" x 16' RHAC rod pmp, 4 – 1-1/2" weight rods, 4 – 3/4" scraped rods, 107 – 3/4" plain rods, 95 – 3/4" scraped rods, 1 – 8', 1 – 4' x 3/4" pony rods, 1-1/2" x 22' polished rod. Seat pmp. RU pumping unit. Fill tbg w/5 BW. Press test pmp & tbg to 500 psi. Stroke pmp up w/unit to 1000 psi. Good pmp action. RDMO. **PLACE WELL ON PRODUCTION @ 2:00 PM, 6/29/98 W/74" SL @ 6 SPM.** Est 687 BWTR.  
DC: \$107,948 TWC: \$389,969

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4098'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 178' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 40 sx Class "G" cement down 5 ½" casing to 343'

The approximate cost to plug and abandon this well is \$42,000.

## 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

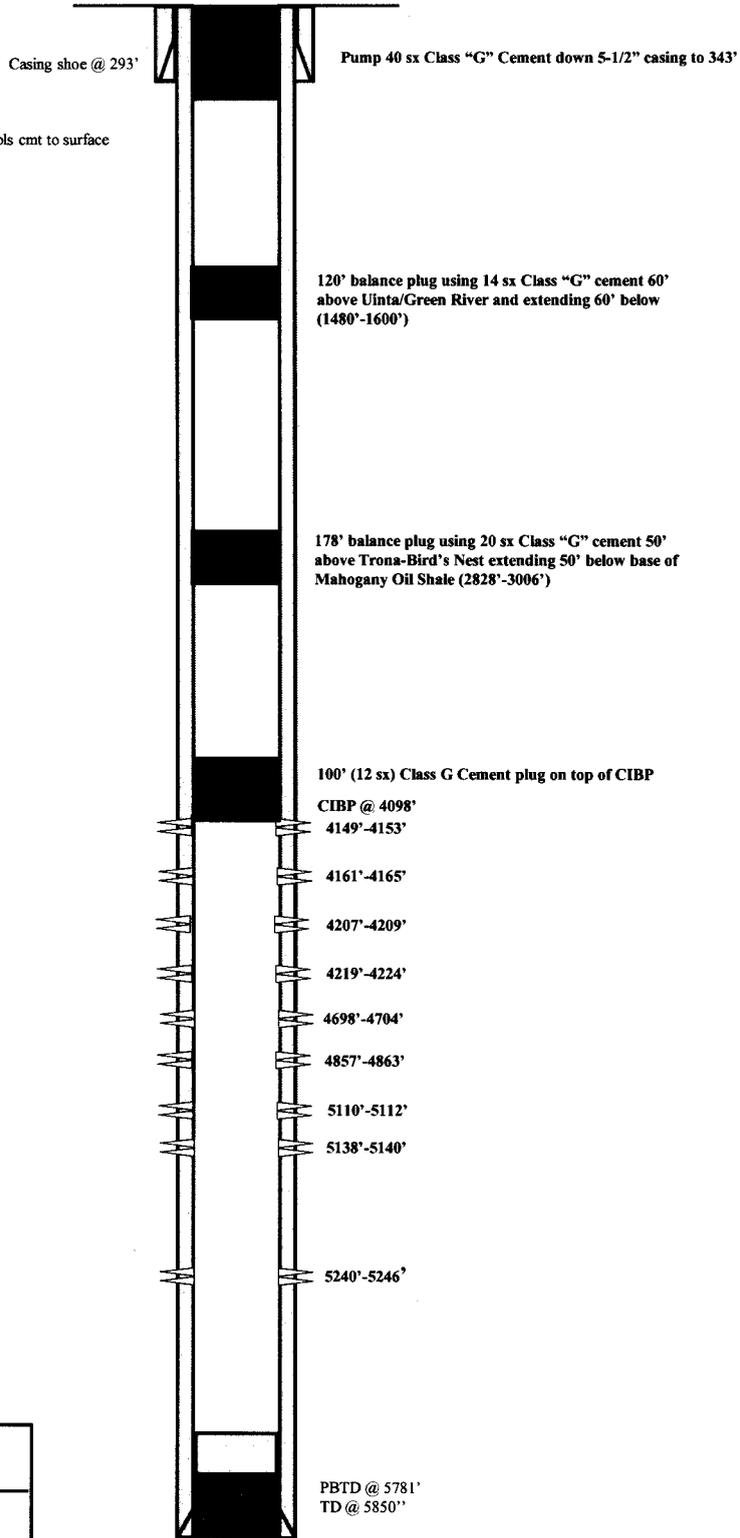
### Proposed P & A Wellbore Diagram

#### 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



**NEWFIELD**

---

**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