



July 19, 2004

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

RE: Applications for Permit to Drill: Federal 1-22-9-16, 13-9-9-18, 14-9-9-18,  
and 15-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 1-22-9-16 is an Exception Location. I have notified our office in Denver and they will send you the Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 20 2004

DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 20045. Lease Serial No.  
UTU-165406. If Indian, Allottee or Tribe Name  
N/A7. If Unit or CA Agreement, Name and No.  
N/A8. Lease Name and Well No.  
Federal 13-9-189. API Well No.  
43-047-3584010. Field and Pool, or Exploratory  
Eight Mile Flat11. Sec., T., R., M., or Blk. and Survey or Area  
SW/SW Sec. 9, T9S R18E12. County or Parish  
Uintah13. State  
UT1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
Inland Production Company3a. Address  
Route #3 Box 3630, Myton UT 840523b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface SW/SW 661' FSL 660' FWL 593430X 40.04000  
At proposed prod. zone 4432561Y - 109.9048614. Distance in miles and direction from nearest town or post office\*  
Approximatley 19.6 miles southeast of Myton, Utah15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig, unit line, if any) Approx. 659' f/lease, NA f/unit16. No. of Acres in lease  
1,116.4417. Spacing Unit dedicated to this well  
40 Acres18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1348'19. Proposed Depth  
6500'20. BLM/BIA Bond No. on file  
UTU005621. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5030' GL22. Approximate date work will start\*  
1st Quarter 200523. Estimated duration  
Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandie Crozier*  
Title Regulatory SpecialistName (Printed/Typed)  
Mandie CrozierDate  
7/19/04Approved by (Signature) *Bradley G. Hill*  
TitleName (Printed/Typed)  
BRADLEY G. HILL  
Office ENVIRONMENTAL SCIENTIST IIIDate  
07-21-04

Application approval does not warrant or certify 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, are attached.

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

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

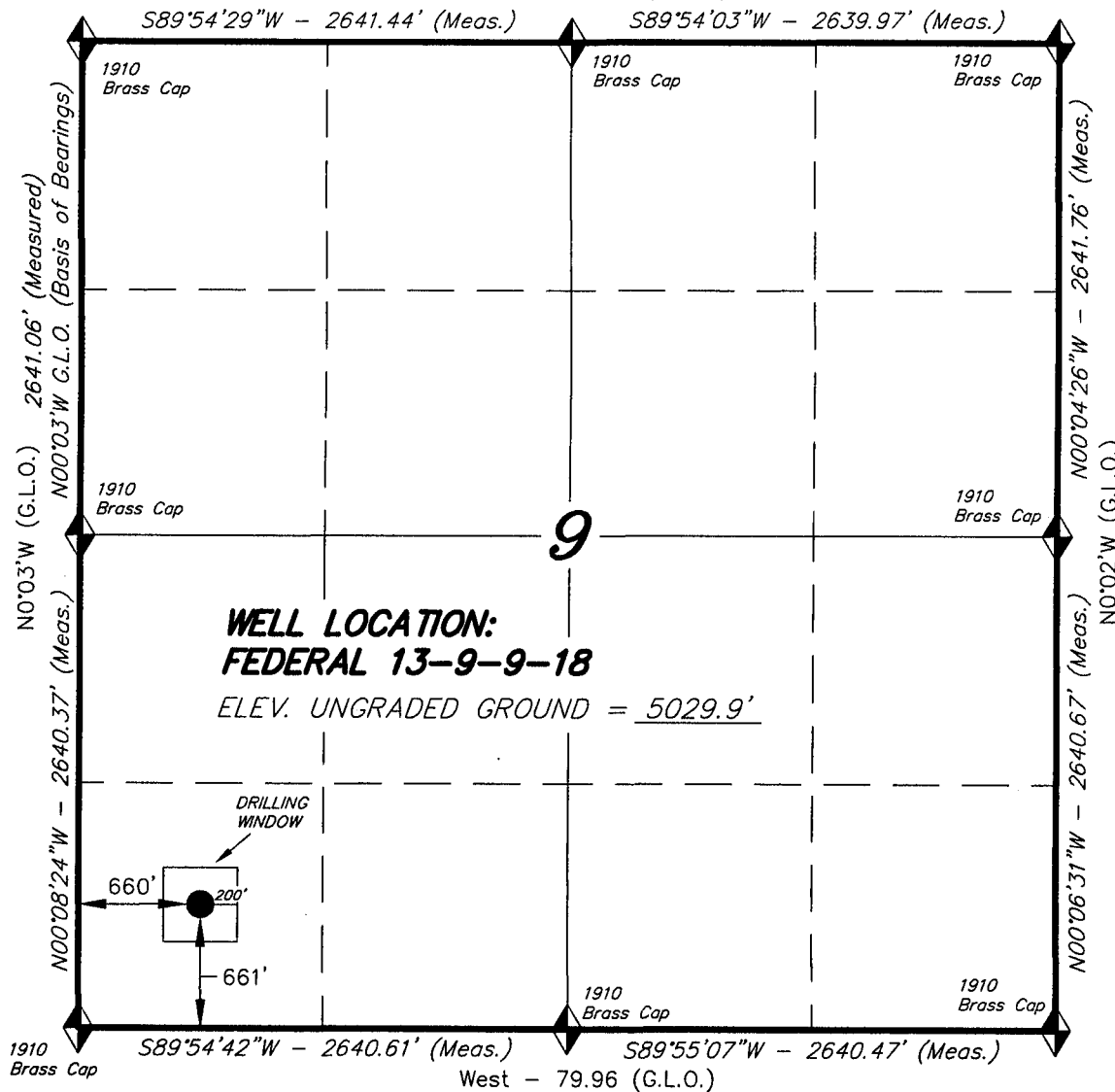
RECEIVED

JUL 20 2004

DIV. OF OIL, GAS &amp; MINING

**T9S, R18E, S.L.B.&M.**

N89°58'W - 79.98 (G.L.O.)



◆ = SECTION CORNERS LOCATED

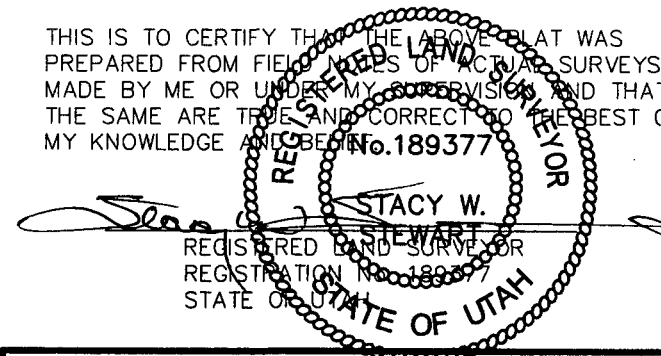
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 13-9-9-18,  
LOCATED AS SHOWN IN THE SW 1/4 SW  
1/4 OF SECTION 9, T9S, R18E, S.L.B.&M.  
UINTAH COUNTY, UTAH.



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



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 6-8-04      | DRAWN BY: F.T.M.    |
| NOTES:            | FILE #              |

**INLAND PRODUCTION COMPANY  
FEDERAL #13-9-9-18  
SW/SW SECTION 9, T9S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

|             |            |
|-------------|------------|
| Uinta       | 0' – 1640' |
| Green River | 1640'      |
| Wasatch     | 5855'      |

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

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

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

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

Please refer to the Monument Butte Field SOP.



**INLAND PRODUCTION COMPANY  
FEDERAL #13-9-9-18  
SW/SW SECTION 9, T9S, R18E  
UINTAH 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 Federal #13-9-9-18 located in the SW 1/4 SW 1/4 Section 9, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing dirt road to the southeast; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 2.7 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly along the proposed access road 500'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

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

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-156, 4/2/04. Paleontological Resource Survey prepared by, Wade E. Miller, 10/6/03. See attached report cover pages, Exhibit "D".

Inland Production Company requests 50' of disturbed area be granted for the Federal #13-9-9-18 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company also requests 50' of disturbed area be granted for the Federal #13-9-9-18 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

**Threatened, Endangered, And Other Sensitive Species**

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 1 and June 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 conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**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 August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

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

|                     |                               |            |
|---------------------|-------------------------------|------------|
| Shadscale           | <i>Atriplex confertifolia</i> | 4 lbs/acre |
| Scarlet Globmallow  | <i>Sphaeralcea concineae</i>  | 4 lbs/acre |
| Crested Wheat Grass |                               | 4 lbs/acre |

**Details of the On-Site Inspection**

The proposed Federal #13-9-9-18 was on-sited on 4/14/04. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

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

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #13-9-9-18 SW/SW Section 9, Township 9S, Range 18E: Lease UTU-16540 Uintah 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.

7/19/04

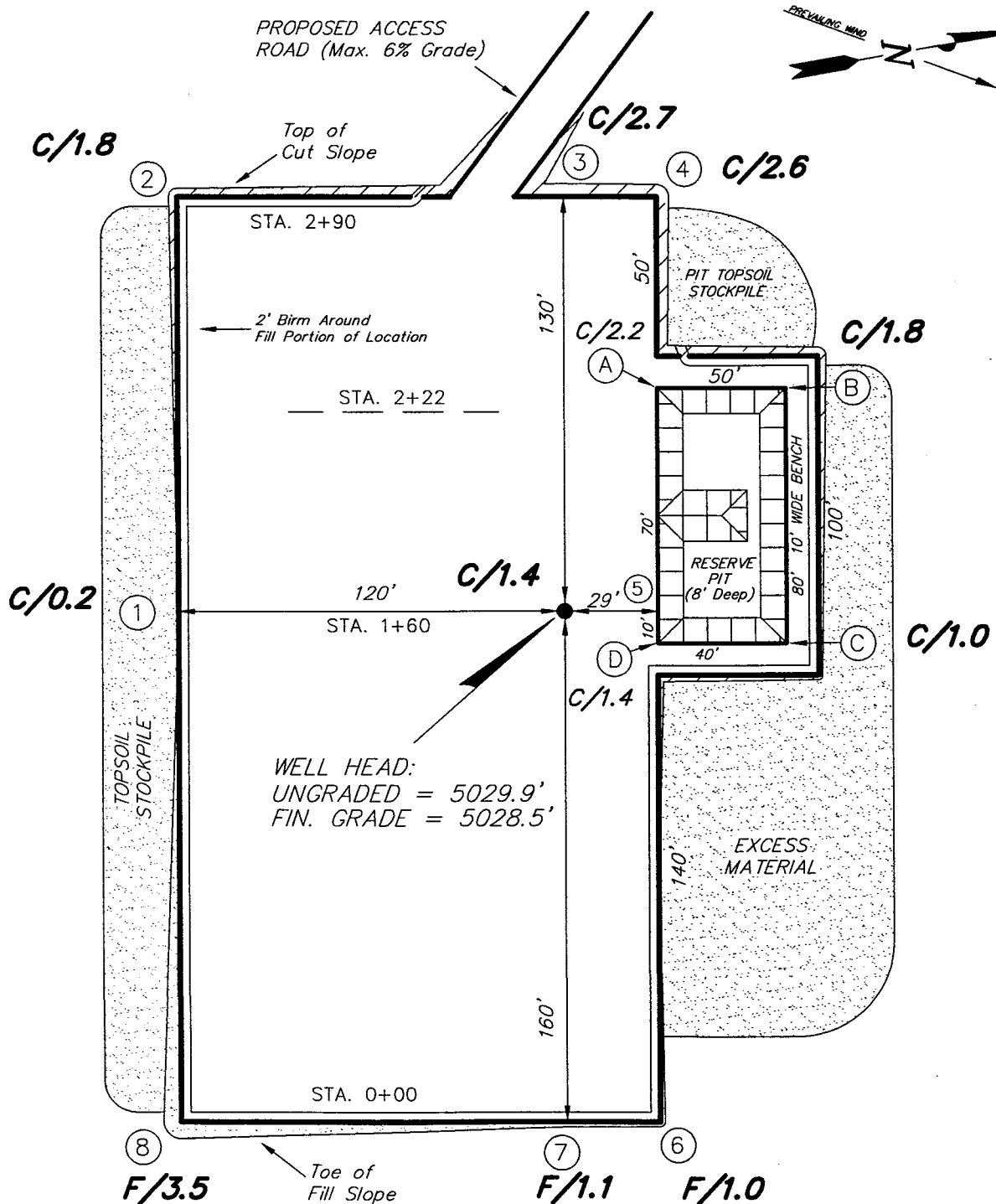
Date

Mandie Crozier  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 13-9-9-18

Section 9, T9S, R18E, S.L.B.&M.



## REFERENCE POINTS

210' EAST = 5026.5'  
 260' EAST = 5025.5'  
 170' SOUTH = 5028.2'  
 220' SOUTH = 5027.6'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

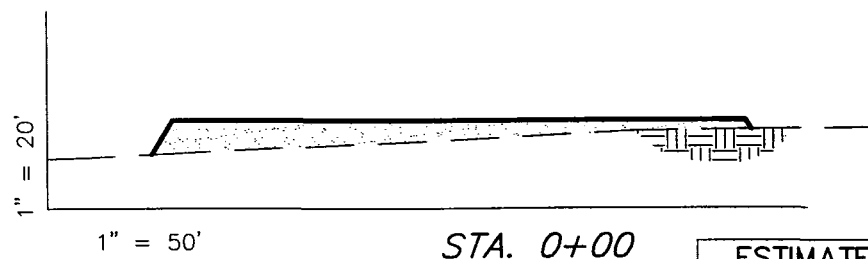
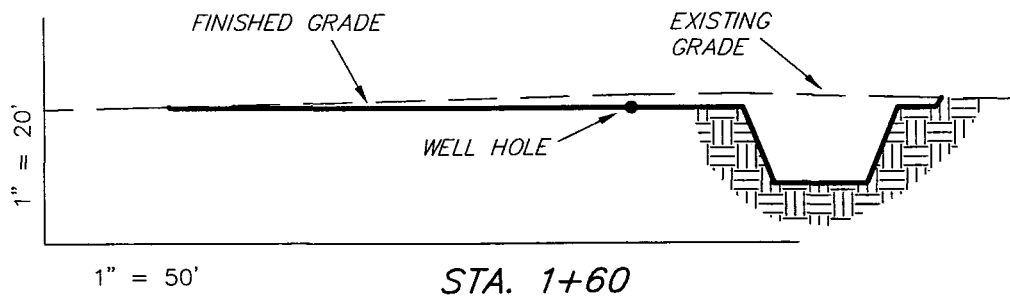
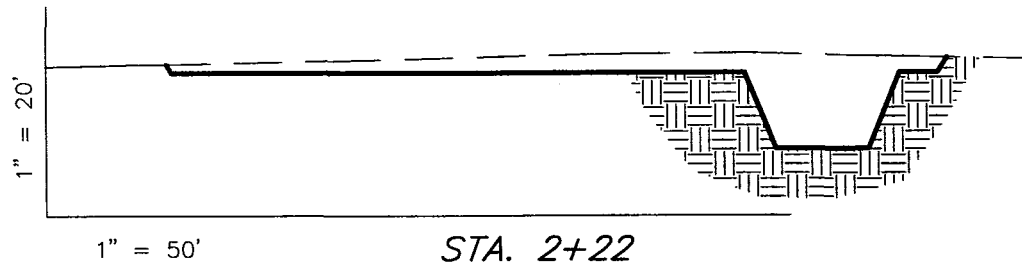
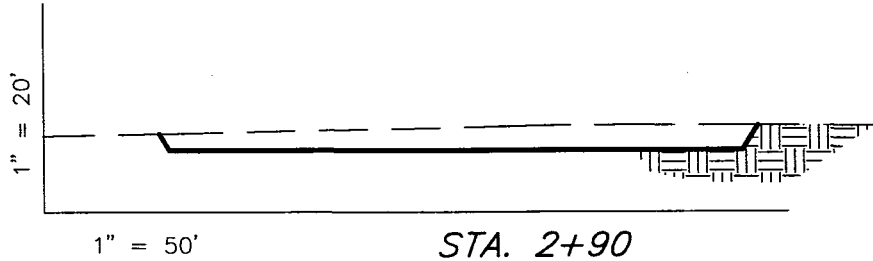
DRAWN BY: F.T.M.

DATE: 6-8-04

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**FEDERAL 13-9-9-18**



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

| ESTIMATED EARTHWORK QUANTITIES<br>(No Shrink or swell adjustments have been used)<br>(Expressed in Cubic Yards) |       |       |  |        |
|---|-------|-------|--|--------|
| ITEM  | CUT   | FILL  | 6" TOPSOIL                               | EXCESS |
| PAD   | 1,050 | 1,050 | Topsoil is<br>not included<br>in Pad Cut | 0      |
| PIT   | 640   | 0     |  | 640    |
| TOTALS  | 1,690 | 1,050 | 890                                      | 640    |

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

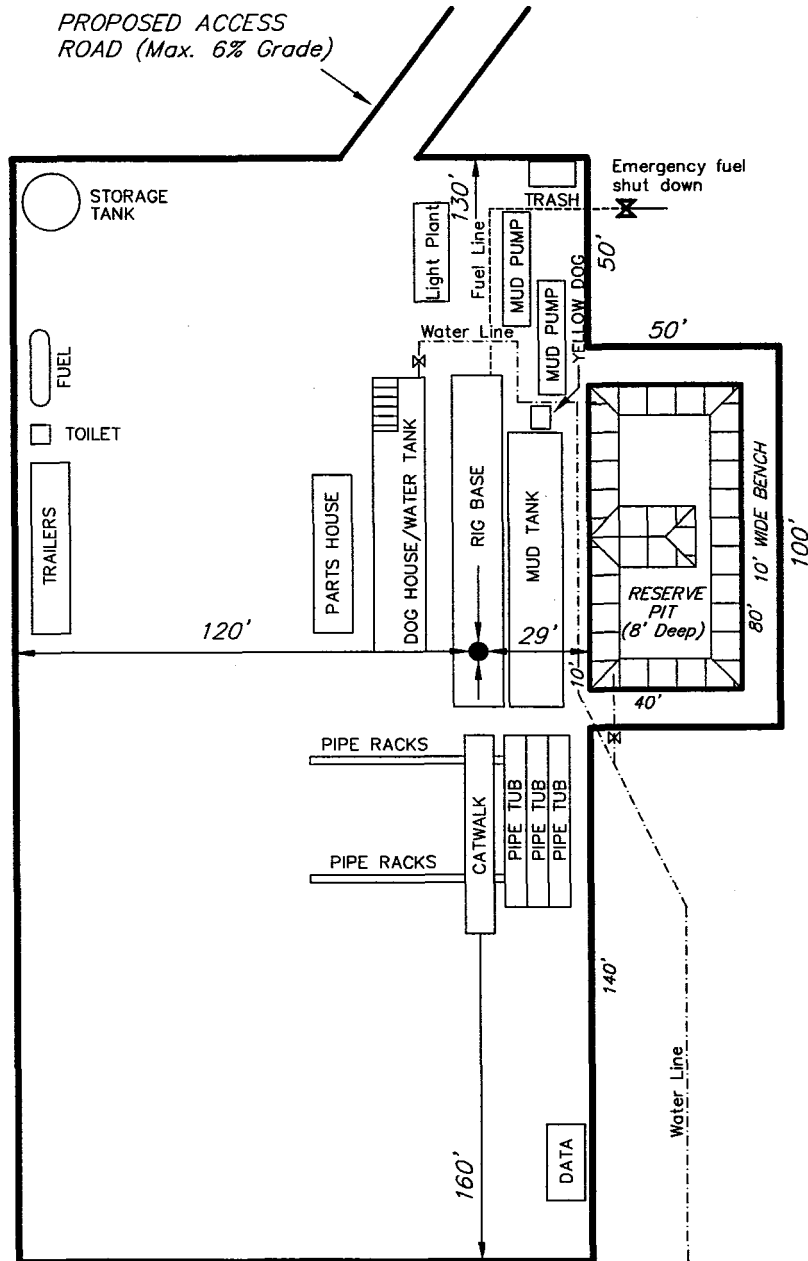
DATE: 6-8-04

**Tri State**  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 13-9-9-18



SURVEYED BY: D.J.S.

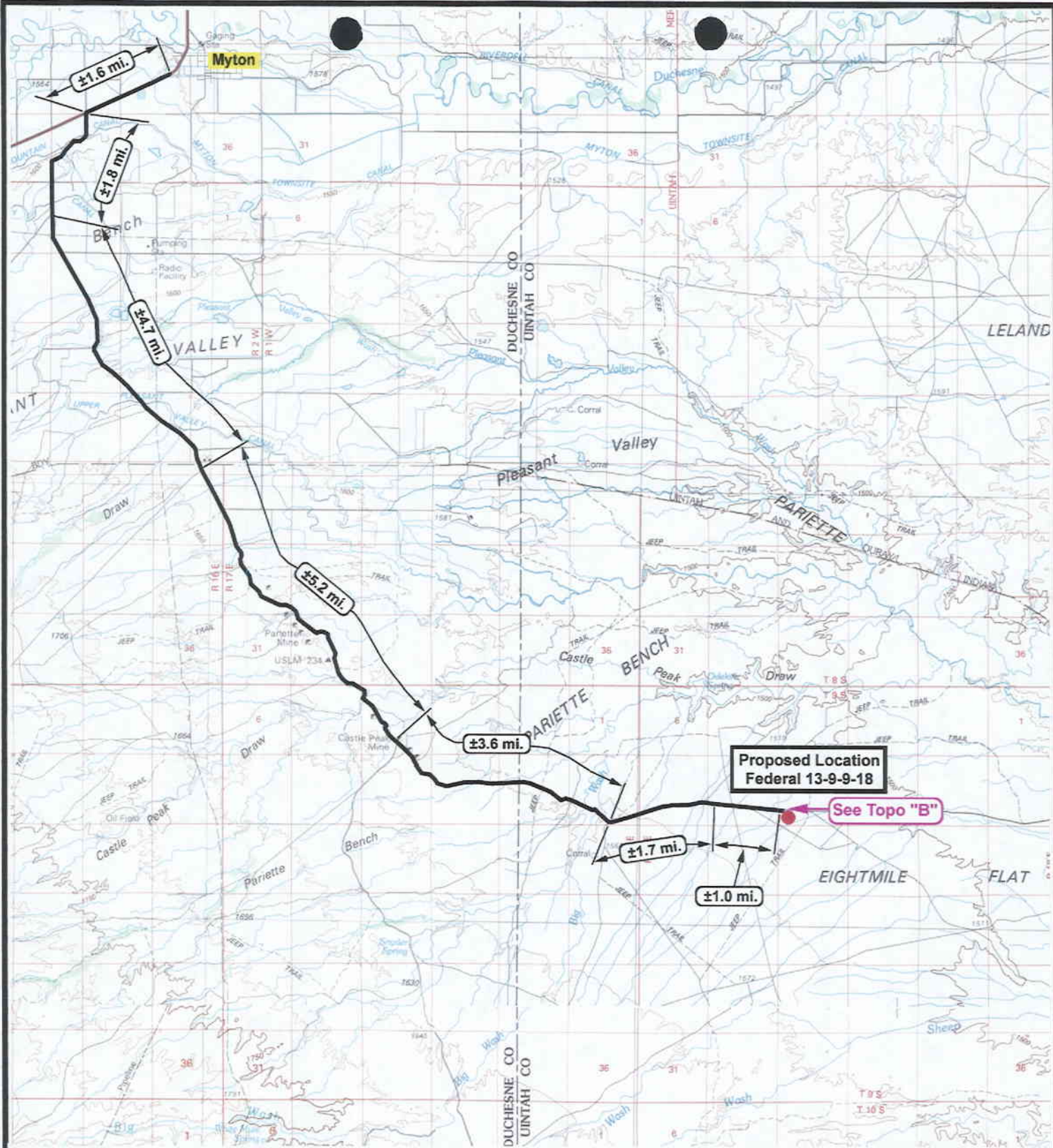
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 6-8-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501





**Federal 13-9-9-18  
SEC. 9, T9S, R18E, S.L.B.&M.**



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

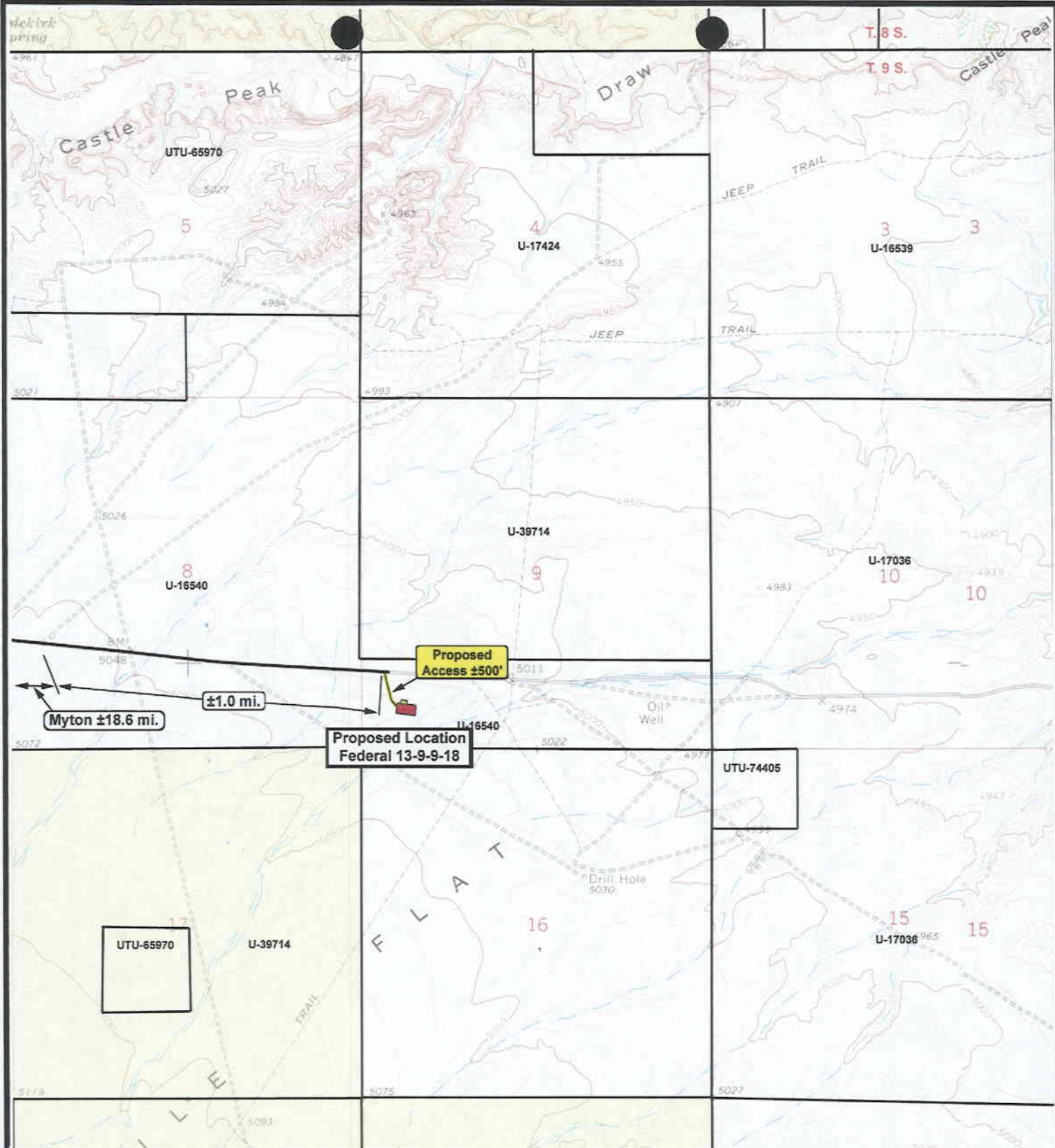
SCALE: 1 = 120,000  
DRAWN BY: bgm  
DATE: 06-25-2004

**Legend**  
— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP

**"A"**





**Federal 13-9-9-18  
SEC. 9, T9S, R18E, S.L.B.&M.**



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

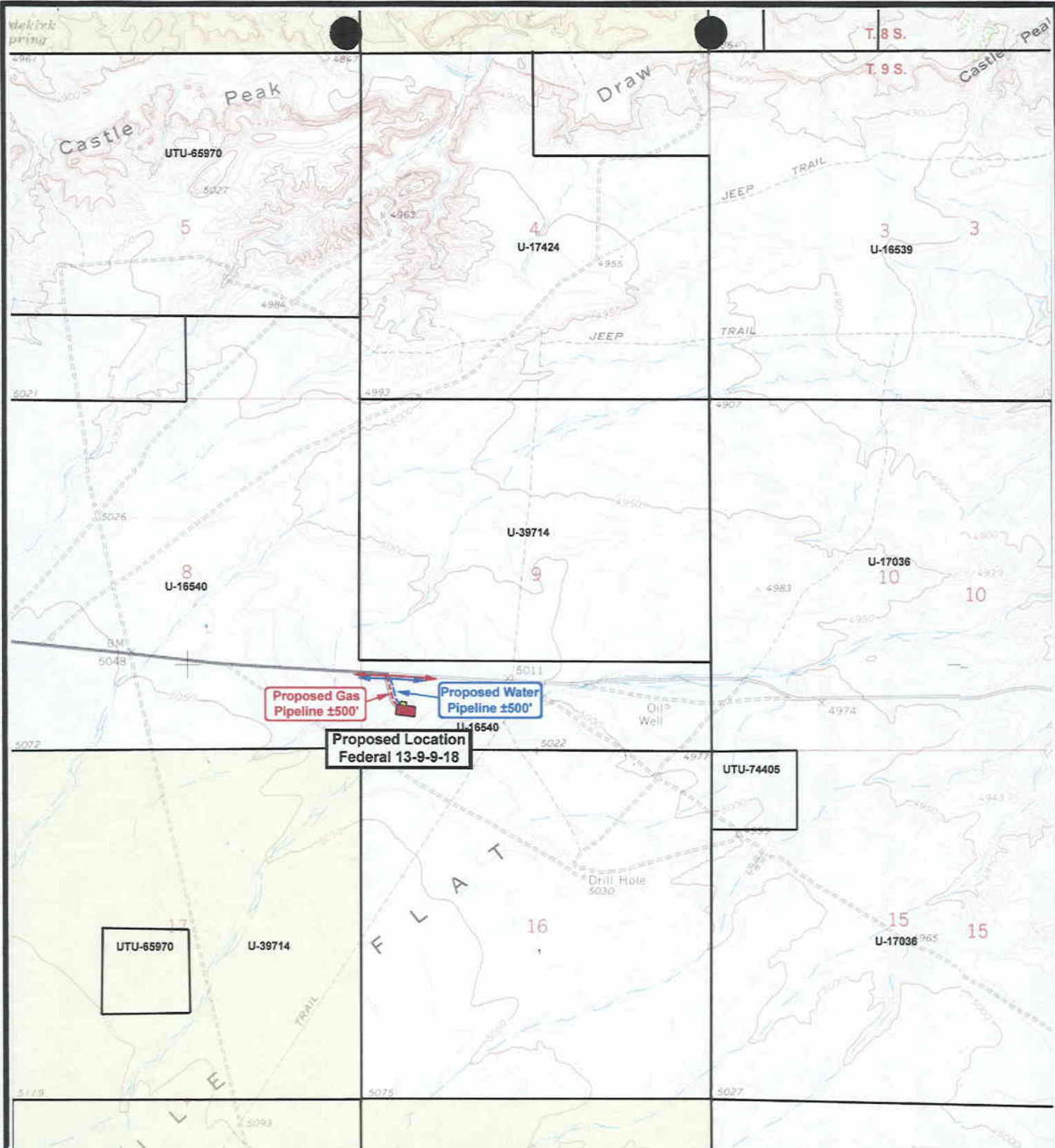
**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 06-25-2004**

**Legend**  
Existing Road  
Proposed Access

**TOPOGRAPHIC MAP**

**"B"**





**Federal 13-9-9-18**  
**SEC. 9, T9S, R18E, S.L.B.&M.**



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

**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 06-25-2004**

**Legend**

- Roads
- Existing Gas Line
- - - Proposed Gas Line
- Existing Water Line
- - - Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**

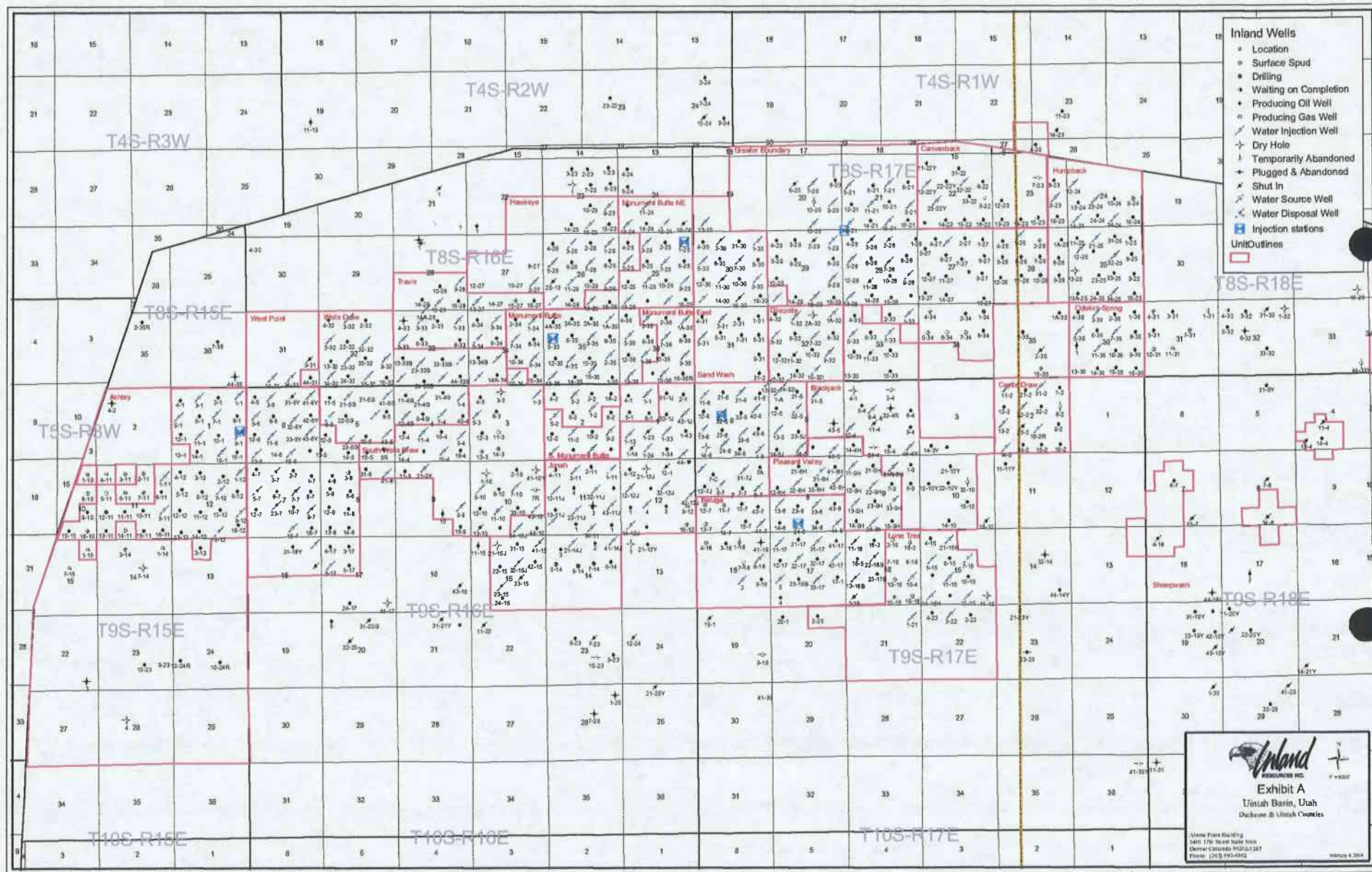




Exhibit "B"

# 2-M SYSTEM

Blowout Prevention Equipment Systems

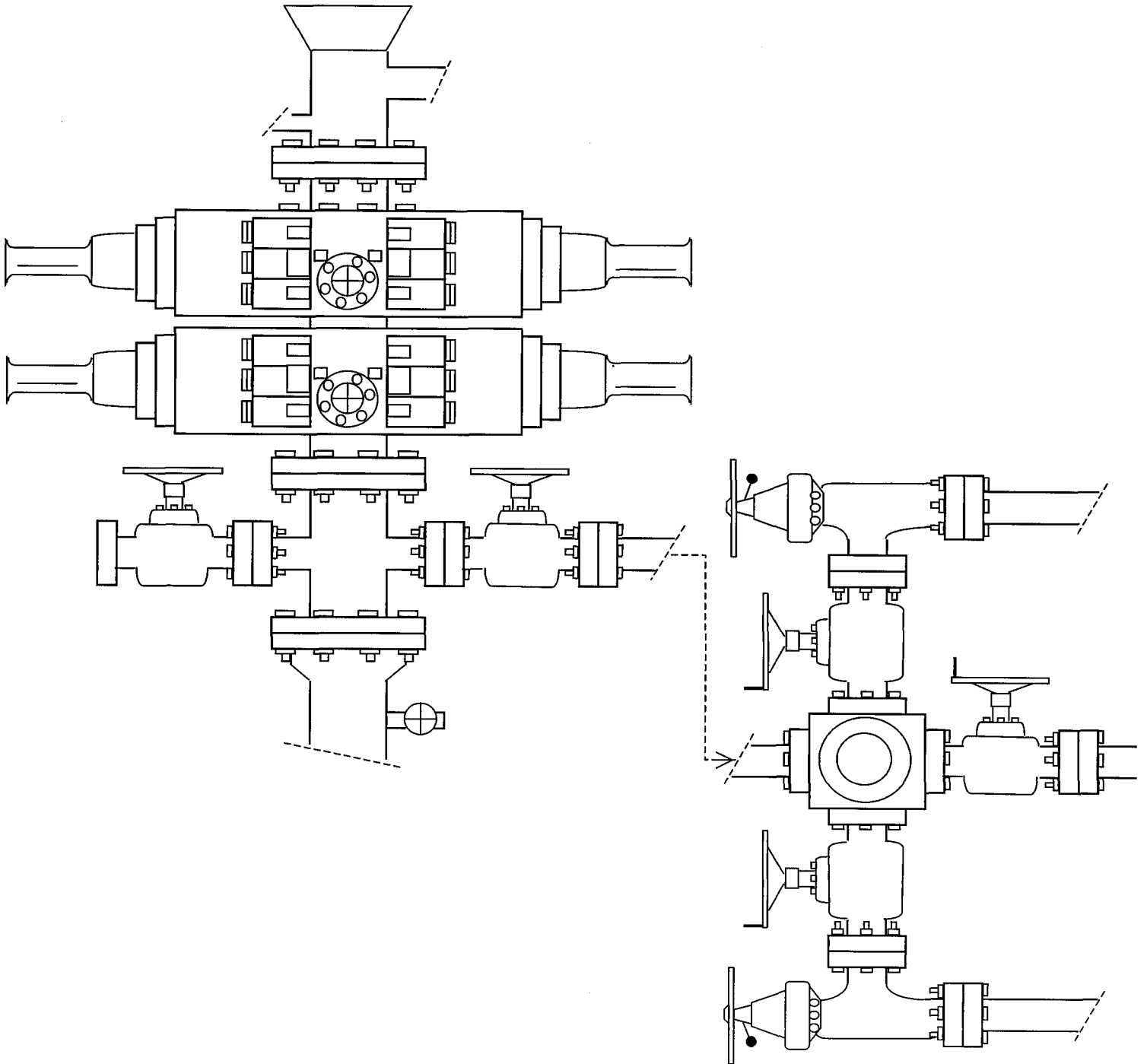


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
INLAND RESOURCE'S BLOCK SURVEY ON EIGHT MILE FLAT,  
TOWNSHIP 9 SOUTH, RANGE 18 EAST,  
SECTIONS 9, 10, 11, 14, 15 AND 23, UINTAH COUNTY, UTAH

by

Amanda Wilson  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Production  
Route 3 Box 3630  
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 03-156

April 2, 2004

United States Department of Interior (FLPMA)  
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0801b

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
UINTAH COUNTY, UTAH**

(Sections 9, 14, 15, 17, 21, 23 and north half section 20,  
Township 9 South, Range 18 East)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
October 6, 2003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/20/2004

API NO. ASSIGNED: 43-047-35840

WELL NAME: FEDERAL 13-9-9-18

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

SWSW 09 090S 180E

SURFACE: 0661 FSL 0660 FWL

BOTTOM: 0661 FSL 0660 FWL

UINTAH

8 MILE FLAT NORTH ( 590 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-16540

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 40.04000

LONGITUDE: 109.90486

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

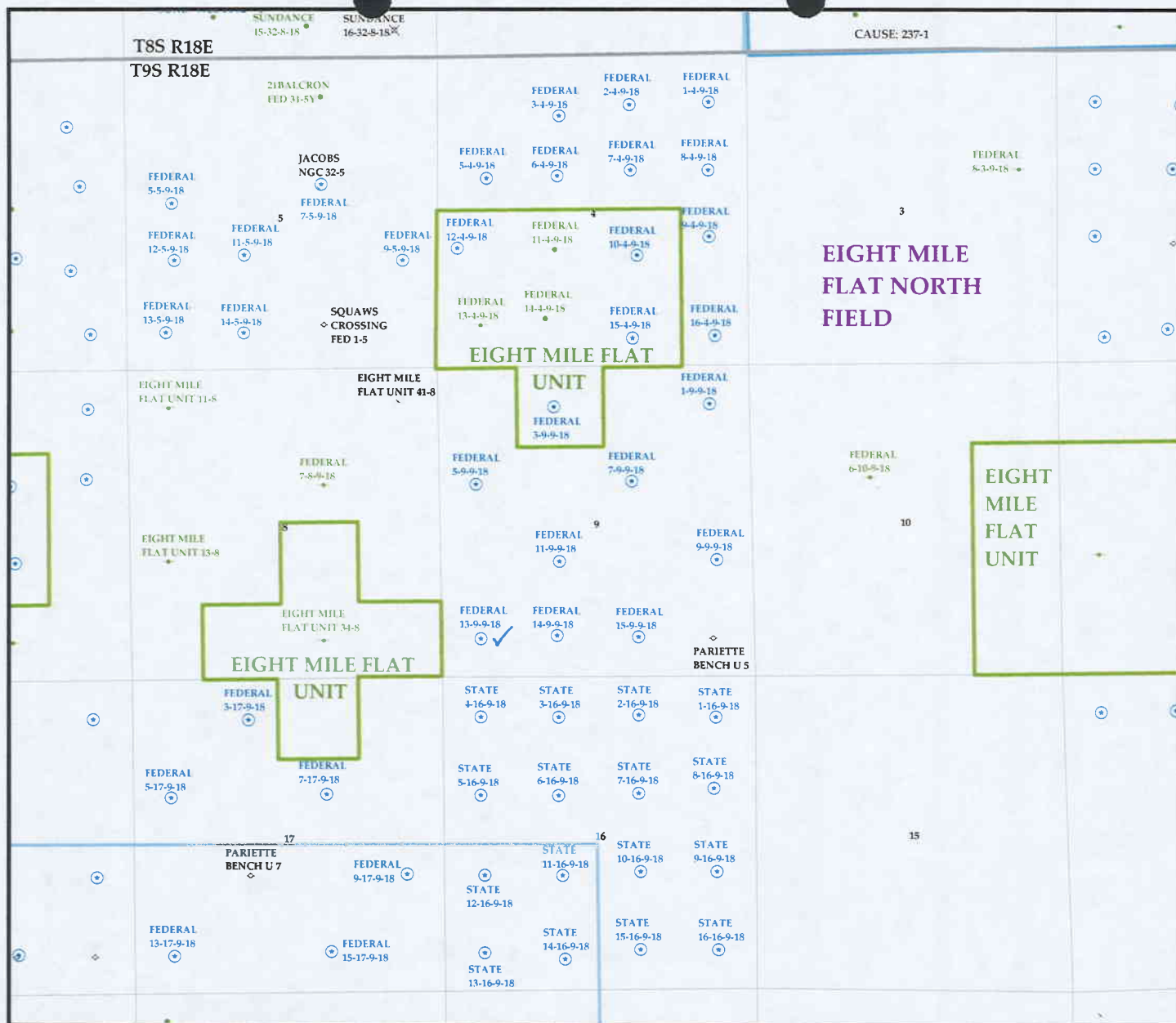
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
R649-3-3. Exception  
Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
R649-3-11. Directional Drill

## COMMENTS:

SQ. Separate file

## STIPULATIONS:

1- Federal Approval  
2- Spacing Stip.



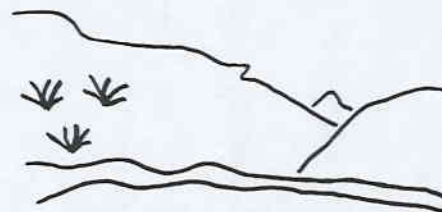
OPERATOR: INLAND PRODUCTION CO (N1590)

SEC. 9 T.9S R.18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

#### Wells

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

#### Units.shp

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

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 20-JULY-2004





## State of Utah

Department of  
Natural ResourcesROBERT L. MORGAN  
*Executive Director*Division of  
Oil, Gas & MiningLOWELL P. BRAXTON  
*Division Director*OLENE S. WALKER  
*Governor*GAYLE F. McKEACHNIE  
*Lieutenant Governor*

July 21, 2004

Inland Production Company  
Rte #3, Box 3630  
Myton, UT 84052Re: Federal 13-9-9-18 Well, 661' FSL, 660' FWL, SW SW, Sec. 9, T. 9 South,  
R. 18 East, Uintah 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 43-047-35840.

Sincerely,

A handwritten signature in dark ink, appearing to read "John R. Baza".  
John R. Baza  
Associate Directorpab  
Enclosurescc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company  
**Well Name & Number** Federal 13-9-9-18  
**API Number:** 43-047-35840  
**Lease:** UTU-16540

**Location:** SW SW                      **Sec.** 9                      **T.** 9 South                      **R.** 18 East

### **Conditions of Approval**

**1. General**

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

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

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

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

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

005

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: (New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

**WELL(S)**

| NAME               | SEC | TWN  | RNG  | API NO     | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |   |
|--------------------|-----|------|------|------------|-----------|------------|-----------|-------------|---|
| FEDERAL 15-31-8-18 | 31  | 080S | 180E | 4304735831 |           | Federal    | OW        | NEW         | K |
| STATE 7-2-9-18     | 02  | 090S | 180E | 4304735787 |           | State      | OW        | APD         | K |
| FEDERAL 13-9-9-18  | 09  | 090S | 180E | 4304735840 |           | Federal    | OW        | APD         | K |
| FEDERAL 14-9-9-18  | 09  | 090S | 180E | 4304735841 |           | Federal    | OW        | APD         | K |
| STATE 1-16-9-18    | 16  | 090S | 180E | 4304735811 | 14390     | State      | OW        | P           | K |
| STATE 2-16-9-18    | 16  | 090S | 180E | 4304735812 |           | State      | OW        | APD         | K |
| STATE 3-16-9-18    | 16  | 090S | 180E | 4304735813 | 99999     | State      | OW        | DRL         | K |
| STATE 4-16-9-18    | 16  | 090S | 180E | 4304735814 |           | State      | OW        | APD         | K |
| STATE 5-16-9-18    | 16  | 090S | 180E | 4304735815 |           | State      | OW        | APD         | K |
| STATE 6-16-9-18    | 16  | 090S | 180E | 4304735816 |           | State      | OW        | APD         | K |
| STATE 7-16-9-18    | 16  | 090S | 180E | 4304735817 |           | State      | OW        | NEW         | K |
| STATE 8-16-9-18    | 16  | 090S | 180E | 4304735818 |           | State      | OW        | APD         | K |
| STATE 9-16-9-18    | 16  | 090S | 180E | 4304735819 |           | State      | OW        | DRL         | K |
| STATE 10-16-9-18   | 16  | 090S | 180E | 4304735820 |           | State      | OW        | APD         | K |
| STATE 11-16-9-18   | 16  | 090S | 180E | 4304735822 |           | State      | OW        | DRL         | K |
| STATE 12-16-9-18   | 16  | 090S | 180E | 4304735823 |           | State      | OW        | APD         | K |
| STATE 13-16-9-18   | 16  | 090S | 180E | 4304735824 |           | State      | OW        | APD         | K |
| STATE 14-16-9-18   | 16  | 090S | 180E | 4304735825 |           | State      | OW        | NEW         | K |
| STATE 15-16-9-18   | 16  | 090S | 180E | 4304735826 |           | State      | OW        | APD         | K |
| STATE 16-16-9-18   | 16  | 090S | 180E | 4304735827 |           | State      | OW        | APD         | K |
|                    |     |      |      |            |           |            |           |             |   |
|                    |     |      |      |            |           |            |           |             |   |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. 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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**661 FSL 660 FWL SW/SW Section 9, T9S R18E**

5. Lease Designation and Serial No.

**UTU-16540**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 13-9-9-18**

9. API Well No.

**43-047-35840**

10. Field and Pool, or Exploratory Area

**EIGHT MILE FLAT NORTH**

11. County or Parish, State

**UINTAH COUNTY, UT.**

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

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 7/21/04 (expiration 7/21/05).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 07-12-05  
By: [Signature]

RECEIVED

JUL 12 2005

DIV. OF OIL, GAS & MINING

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

Signed

Mandie Crozier  
Mandie Crozier

Title

Regulatory Specialist

Date

7/18/05

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-35840  
**Well Name:** Federal 13-9-9-18  
**Location:** SW/SW Section 9, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 7/21/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandi Cozies  
Signature

7/18/05  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 13-9-9-18

Api No: 43-047-35840 Lease Type: FEDERAL

Section 09 Township 09S Range 18E County UINTAH

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 12/05/05

Time 12:00 NOON

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 12/06/2005 Signed CHD

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

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3830**  
**MYTON, UT 84052**

OPERATOR ACCT NO. **N2695**

| 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              | 15091          | 43-013-32707 | FEDERAL 5-35-8-17 | SWNW          | 35 | 8S | 17E | DUCHESNE | 12/02/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - J |                    |                |              |                   |               |    |    |     |          |           |                |
| B                              | 99999              | 12053          | 43-047-36501 | HUMPBAC 4-24-8-17 | NWNW          | 24 | 8S | 17E | UINTAH   | 12/02/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - K |                    |                |              |                   |               |    |    |     |          |           |                |
| B                              | 99999              | 14844          | 43-047-36049 | FEDERAL 4-9-9-18  | NWNW          | 9  | 9S | 18E | UINTAH   | 12/03/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - J |                    |                |              |                   |               |    |    |     |          |           |                |
| A                              | 99999              | 15092          | 43-013-32706 | FEDERAL 4-35-8-17 | NWNW          | 35 | 8S | 17E | DUCHESNE | 12/05/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - J |                    |                |              |                   |               |    |    |     |          |           |                |
| B                              | 99999              | 12053          | 43-047-36497 | HUMPBAC 6-24-8-17 | SENW          | 24 | 8S | 17E | UINTAH   | 12/05/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - J |                    |                |              |                   |               |    |    |     |          |           |                |
| B                              | 99999              | 14844          | 43-047-35840 | FEDERAL 13-9-9-18 | SWSW          | 9  | 9S | 18E | UINTAH   | 12/05/05  | 12/8/05        |
| WELL COMMENTS: <b>GRUV</b> - J |                    |                |              |                   |               |    |    |     |          |           |                |

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 COMMENTS section to explain why each Action Code was selected.

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DEC 08 2005

DIV. OF OIL, GAS & MINING

*Kim Kettle*  
Signature  
Production Clerk  
December 8, 2005  
Date

12/08/2005 11:08 4356453031

INLAND

PAGE 03

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

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

|          |  |
|----------|--|
| By _____ | RECEIVED<br>JUL 20 2004  |
|          | FORM APPROVED<br>OMB No. 1004-0136<br>Expires January 31, 2004 |

|  |   |  |
|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU-16540   |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                                |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>N/A                            |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   | 3b. Phone No. (include area code)<br>(435) 646-3721             | 8. Lease Name and Well No.<br>Federal 13-9-18                              |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)*<br>At surface SW/SW 661' FSL 660' FWL<br>At proposed prod. zone  |   | 9. API Well No.<br>4304735840  |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 19.6 miles southeast of Myton, Utah   |   | 10. Field and Pool, or Exploratory<br>Eight Mile Flat                      |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 659' f/lse, NA f/unit  |   | 11. Sec., T., R., M., or Blk. and Survey or Area<br>SW/SW Sec. 9, T9S R18E |
| 16. No. of Acres in lease<br>1,116.44  | 17. Spacing Unit dedicated to this well<br>40 Acres             | 12. County or Parish<br>Uintah   |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1348'   | 19. Proposed Depth<br>6500'                                     | 13. State<br>UT  |
| 20. BLM/BIA Bond No. on file<br>UTY0056  | 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5030' GL | 22. Approximate date work will start*<br>1st Quarter 2005                  |
| 23. Estimated duration<br>Approximately seven (7) days from spud to rig release.   |   |  |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

|   |  |                    |
|---|--|--------------------|
| 25. Signature<br><i>Mandie Crozier</i>                | Name (Printed/Typed)<br>Mandie Crozier   | Date<br>7/19/04    |
| Title<br>Regulatory Specialist                        |  |                    |
| Approved by (Signature)<br><i>Thomas R. Cleary</i>    | Name (Printed/Typed)<br>Thomas R. Cleary | Date<br>11/22/2005 |
| Title<br>Assistant Field Manager<br>Mineral Resources | Office                                   |                    |

Application approval does not warrant or certify the 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, are attached.

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

\*(Instructions on reverse)

UDOGM

RECEIVED

DEC 12 2005

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company

Well Name & Number: FEDERAL 13-9-9-18

API Number: 43-047-35840

Lease Number: UTU - 16540

Location: SWSW Sec. 9 TWN: 9S RNG: 18E

Agreement: N/A

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

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

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

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

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

#### **Casing Program and Auxiliary Equipment**

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 575$  ft.

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

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

661 FSL 660 FWL

SW/SW Section 9 T9S R18E

5. Lease Serial No.

UTU16540

6. If Indian, Allottee or Tribe Name.

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

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 13-9-9-18

9. API Well No.

4304735840

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Uintah, UT

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| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |
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| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Spud Notice _____                               |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           | _____   |

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

On 12/5/05 MIRU Ross # 21. Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 321.75 KB. On 12/11/05 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Justin Crum

Title

Drilling Foreman

Signature

Date

12/12/2005

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

Approved by

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(Instructions on reverse)

**RECEIVED**

**DEC 13 2005**

DIV. OF OIL, GAS & MINING





## DRILLING REPORT

**WELL NAME** Federal 13-9-9-18 **Report Date** December 12, 2005 **Days Since Spud** 01  
**TD** 312 **Footage** 312 **Frmtn** **PO** WOC **Rig** Ross # 21

### MUD PROPERTIES

**WT** Air **VIS** **WL** **FC** **CHLORIDES** **DAILY** **CUM**  
**OIL** **SLDS** **SD** **CALCIUM** **PV** **YP** **GEL**

### WATER USED (BBLs)

### BIT RECORD

**CUM ROTATING HRS:**

**BIT #** **SIZE** **TYPE** **SER #** **JETS** **HRS** **FT.** **OUT @** **GR.**  
**BIT #** **SIZE** **TYPE** **SER #** **JETS** **HRS** **FT.** **OUT @** **GR.**  
**WEIGHT ON BIT** **ROTARY RPM** **BHA** **FT CONSISTS OF**

### DEVIATION

### HYDRAULICS

**PUMP #1: LINERS** **STROKE** **SPM** **PRESS** 190 **Gals/Min.** **JET VEL:** **BIT HHP:**  
**PUMP #2: LINERS** **STROKE** **SPM** **PRESS** **ANN VEL,** **DP:** **DC:**

### DRILLING GAS

**AVG UNITS** **MAX UNITS** **CONNECT GAS** **TRIP GAS**  
**DRLG BREAK/SHOWS:**

### DAILY MUD MATERIALS

**PHP** cups  
**Poly** qts  
**Lime** sacks  
**Treat O Clay** gals.

### CHRONOLOGICAL OPERATIONS

12/5/05 HRS Spud well 12/5/2005 @ 12:00 PM With Ross # 21  
HRS Drill 312' of 12 1/4" hole. PU & MU 7 jt's 85/8" csg set @ 321.75' /KB  
HRS  
12/11/05 HRS Cement w/ 160 sks. Class G w/ 2% CaCL + 1/4# / sk Cello-Flake.  
HRS Mixed @ 15.8 ppg & 1.17 cf/sk yeild. Returned 5 bbls cement to pit.  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS  
HRS

**CUM MUD COST:**

### DAILY COST SUMMARY

Ross rig # 21 7,500  
IPC supervision 300  
Monk's location 10,300  
Oee-Arch-Srvy 7,500  
BJ cementing 4,064  
85/8CSGW/CON. 5,325  
WHI csgn head 800  
Float equip 550  
RNI wtr trk 300

**PROG TD @** 312 **EXPECTED @**

**DRILLING SUPERVISOR**

**DAILY COST:** \$36,639

**TOTAL COST:** \$36,639

RECEIVED

DEC 13 2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
661 FSL 660 FWL  
SW/SW Section 9 T9S R18E

5. Lease Serial No.

UTU16540

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

SUNDANCE UNIT

8. Well Name and No.

FEDERAL 13-9-9-18

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4304735840

10. Field and Pool, or Exploratory Area  
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11. County or Parish, State

Uintah, UT

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

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On 12/15/05 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5965'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 140 jt's of 5.5 J-55, 15.5# csgn. Set @ 5948' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 20 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 111,000 #'s tension. Release rig @ 5:30 PM on 12/20/05.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Justin Crum

Signature

Title

Drilling Foreman

Date

12/22/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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(Instructions on reverse)

Title

Date

Office

RECEIVED  
DEC 29 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5948.67

Flt cllr @ 5907.51

LAST CASING 8 5/8" SET AT 321'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 13-9-9-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

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

CONTRACTOR & RIG # NDSI rig # 1

TD DRILLER 5965' LOGGER 5970'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

| PIECES | OD     | ITEM - MAKE - DESCRIPTION | WT / FT | GRD  | THREAD | CONDT | LENGTH  |
|--------|--------|---------------------------|---------|------|--------|-------|---------|
|        |        | Landing Jt                |         |      |        |       | 14      |
|        |        | Short jt 6.90 @ 4040.83   |         |      |        |       |         |
| 139    | 5 1/2" | ETC LT & C casing         | 15.5#   | J-55 | 8rd    | A     | 5892.91 |
|        |        | Float collar              |         |      |        |       | 0.6     |
| 1      | 5 1/2" | ETC LT&C csg              | 15.5#   | J-55 | 8rd    | A     | 42.51   |
|        |        | <b>GUIDE</b> shoe         |         |      | 8rd    | A     | 0.65    |

|                         |         |     |                             |                |
|-------------------------|---------|-----|-----------------------------|----------------|
| CASING INVENTORY BAL.   | FEET    | JTS | TOTAL LENGTH OF STRING      | 5950.67        |
| TOTAL LENGTH OF STRING  | 5950.67 | 140 | LESS CUT OFF PIECE          | 14             |
| LESS NON CSG. ITEMS     | 15.25   |     | PLUS DATUM TO T/CUT OFF CSG | 12             |
| PLUS FULL JTS. LEFT OUT | 44.88   | 1   | CASING SET DEPTH            | <b>5948.67</b> |

|                             |            |           |   |
|-----------------------------|------------|-----------|---|
| TOTAL                       | 5980.30    | 141       | } COMPARE                               |
| TOTAL CSG. DEL. (W/O THRDS) | 5980.3     | 141       |   |
| TIMING                      | 1ST STAGE  | 2nd STAGE |   |
| BEGIN RUN CSG.              | 12/20/2005 | 6:30 AM   | GOOD CIRC THRU JOB <u>Yes</u>           |
| CSG. IN HOLE                | 12/20/2005 | 9:30 AM   | Bbls CMT CIRC TO SURFACE <u>20 bbls</u> |
| BEGIN CIRC                  | 12/20/2005 | 9:30 AM   | RECIPROCATED PIPE FOR <u>THRUSTROKE</u> |
| BEGIN PUMP CMT              | 12/20/2005 | 12:59 PM  | DID BACK PRES. VALVE HOLD ? <u>Yes</u>  |
| BEGIN DSPL. CMT             | 12/20/2005 | 1:59 PM   | BUMPED PLUG TO <u>2197</u> PSI          |
| PLUG DOWN                   | 12/20/2005 | 2:20 PM   |   |

|   |      |   |
|---|------|---|
| CEMENT USED   |      | CEMENT COMPANY- <b>B. J.</b>  |
| STAGE   | # SX | CEMENT TYPE & ADDITIVES   |
| 1   | 300  | Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake         |
|   |      | mixed @ 11.0 ppg W / 3.43 cf/sk yield   |
| 2   | 450  | 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD |
| CENTRALIZER & SCRATCHER PLACEMENT   |      | SHOW MAKE & SPACING   |
| Centralizers - Middle first, top second & third. Then every third collar for a total of 20. |      |   |
|   |      |   |
|   |      |   |

COMPANY REPRESENTATIVE Justin Crum

DATE 12/20/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

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3a. Address Route 3 Box 3630

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3b. Phone No. (include area code)

435.646.3721

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

661 FSL 660 FWL

SW/SW Section 9 T9S R18E

5. Lease Serial No.

UTU16540

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FEDERAL 13-9-9-18

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11. County or Parish, State

Uintah, UT

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

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

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

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

01/16/2006

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

Approved by

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**JAN 20 2006**

(Instructions on reverse)

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

RECEIVED  
1-31-06  
CHD

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

01/16/2006

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Date Federal Approval Of This  
Action Is Necessary

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By:

DIV. OF OIL, GAS & MINING

UNITED STATES  
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|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report                            |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |

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

Status report for time period 12/28/05 - 01/13/06

Subject well had completion procedures initiated in the Green River formation on 12-28-05 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5483'-5495'); Stage #2 (5331'-5339'); Stage #3(5009'-5015'); Stage #4 (4842'-4851'); Stage #5(4704'-4711'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-06-2006. Bridge plugs were drilled out and well was cleaned to 5904'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-13-2006.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Signature

Title

Production Clerk

Date

02/08/2006

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

Approved by

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

Title

Date

Office

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

(Instructions on reverse)

**RECEIVED**

**FEB 09 2006**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                  |  |  |                                      |                                 |                                    |
|------------------|--|--|--------------------------------------|---------------------------------|------------------------------------|
| 1a. TYPE OF WORK |  | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input type="checkbox"/>    | DRY <input type="checkbox"/>    | Other _____                        |
| 1b. TYPE OF WELL |  | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/>   | DEEPEN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/> |
|                  |  |  | DIFF RESVR. <input type="checkbox"/> | Other _____                     |                                    |

|   |  |  |
|---|--|--|
| 2. NAME OF OPERATOR<br>Newfield Exploration Company   |  | 9. WELL NO.<br>43-047-35840  |
| 3. ADDRESS AND TELEPHONE NO.<br>1401 17th St. Suite 1000 Denver, CO 80202   |  | 10. FIELD AND POOL OR WILDCAT<br>Eight Mile Flat                       |
| 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements. *)<br>At Surface 661' FSL & 660' FWL (SW/SW) Sec. 9, T9S, R18E<br>At top prod. Interval reported below _____ |  | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec. 9, T9S, R18E |

|                             |                        |                              |                 |
|-----------------------------|------------------------|------------------------------|-----------------|
| 14. API NO.<br>43-047-35840 | DATE ISSUED<br>7/21/04 | 12. COUNTY OR PARISH<br>Utah | 13. STATE<br>UT |
|-----------------------------|------------------------|------------------------------|-----------------|

|                                    |                                   |   |  |                               |
|------------------------------------|-----------------------------------|---|--|-------------------------------|
| 15. DATE SPUDDED<br>12/5/05        | 16. DATE T.D. REACHED<br>12/19/05 | 17. DATE COMPL. (Ready to prod.)<br>1/13/06 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>5030' GL 5042' KB | 19. ELEV. CASINGHEAD          |
| 20. TOTAL DEPTH, MD & TVD<br>5965' |                                   | 21. PLUG BACK T.D., MD & TVD<br>5904'       | 22. IF MULTIPLE COMPL. HOW MANY*<br>----->                   | 23. INTERVALS DRILLED BY<br>X |

|  |                                       |
|--|---------------------------------------|
| 24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*<br>Green River 4704'-5495' | 25. WAS DIRECTIONAL SURVEY MADE<br>No |
|--|---------------------------------------|

|  |                          |
|--|--------------------------|
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log | 27. WAS WELL CORED<br>No |
|--|--------------------------|

| 33. CASING RECORD (Report all strings set in well) |                 |                |           |   |               |
|--|-----------------|----------------|-----------|---|---------------|
| CASING SIZE/GRADE                                  | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD         | AMOUNT PULLED |
| 8-5/8" - J-55                                      | 24#             | 322'           | 12-1/4"   | To surface with 160 sx Class "G" cmt    |               |
| 5-1/2" - J-55                                      | 15.5#           | 5949'          | 7-7/8"    | 300 sx Premlite II and 450 sx 50/50 Poz |               |

| 29. LINER RECORD |          |             |               | 30. TUBING RECORD |        |                |
|------------------|----------|-------------|---------------|-------------------|--------|----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD)       | SIZE   | DEPTH SET (MD) |
|                  |          |             |               |                   | 2-7/8" | EOT @ 5556'    |
|                  |          |             |               |                   |        | TA @ 5457'     |

| 31. PERFORATION RECORD (Interval, size and number) |      |            |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |  |
|--|------|------------|--|--|--|
| INTERVAL   | SIZE | SPF/NUMBER |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED             |
| (CP3) 5483'-5495'                                  | .41" | 4/48       |  | 5483'-5495'                                    | Frac w/ 73,948# 20/40 sand in 591 bbls fluid |
| (CP1) 5331'-5339'                                  | .41" | 4/32       |  | 5331'-5339'                                    | Frac w/ 24,860# 20/40 sand in 345 bbls fluid |
| (A1) 5009'-5015'                                   | .41" | 4/24       |  | 5009'-5015'                                    | Frac w/ 19,836# 20/40 sand in 293 bbls fluid |
| (B2) 4842'-4851'                                   | .41" | 4/36       |  | 4842'-4851'                                    | Frac w/ 40,140# 20/40 sand in 442 bbls fluid |
| (C) 4704'-4711'                                    | .41" | 4/28       |  | 4704'-4711'                                    | Frac w/ 30,857# 20/40 sand in 354 bbls fluid |
|  |      |            |  |  |  |
|  |      |            |  |  |  |
|  |      |            |  |  |  |
|  |      |            |  |  |  |

|                                  |                 |   |                                   |                 |               |                                    |                      |
|----------------------------------|-----------------|---|-----------------------------------|-----------------|---------------|------------------------------------|----------------------|
| 33.*                             |                 | PRODUCTION  |                                   |                 |               | WELL STATUS (Producing or shut-in) |                      |
| DATE FIRST PRODUCTION<br>1/13/06 |                 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump |                                   |                 |               | PRODUCING                          |                      |
| DATE OF TEST<br>30 day ave       | HOURS TESTED    | CHOKE SIZE  | PROD'N. FOR TEST PERIOD<br>-----> | OIL--BBL.<br>27 | GAS--MCF<br>3 | WATER--BBL.<br>21                  | GAS-OIL RATIO<br>111 |
| FLOW, TUBING PRESS.              | CASING PRESSURE | CALCULATED 24-HOUR RATE<br>----->   | OIL--BBL.                         | GAS--MCF        | WATER--BBL.   | OIL GRAVITY-API (CORR.)            |                      |

|   |
|---|
| 34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)<br>Sold & Used for Fuel |
|---|

|                         |
|-------------------------|
| 35. LIST OF ATTACHMENTS |
|-------------------------|

|   |                       |           |
|---|-----------------------|-----------|
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | Regulatory Specialist | 2/14/2006 |
|---|-----------------------|-----------|

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| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); |     |        |                                | 38. GEOLOGIC MARKERS |             |                  |
|---|-----|--------|--------------------------------|----------------------|-------------|------------------|
| FORMATION   | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.    | NAME                 | TOP         |                  |
|   |     |        |                                |                      | MEAS. DEPTH | TRUE VERT. DEPTH |
|   |     |        | Well Name<br>Federal 13-9-9-18 | Garden Gulch Mkr     | 3602'       |                  |
|   |     |        |                                | Garden Gulch 1       | 3768'       |                  |
|   |     |        |                                | Garden Gulch 2       | 3885'       |                  |
|   |     |        |                                | Point 3 Mkr          | 4124'       |                  |
|   |     |        |                                | X Mkr                | 4365'       |                  |
|   |     |        |                                | Y-Mkr                | 4397'       |                  |
|   |     |        |                                | Douglas Creek Mkr    | 4533'       |                  |
|   |     |        |                                | BiCarbonate Mkr      | 4765'       |                  |
|   |     |        |                                | B Limestone Mkr      | 4905'       |                  |
|   |     |        |                                | Castle Peak          | 5300'       |                  |
|   |     |        |                                | Basal Carbonate      | 5718'       |                  |
|   |     |        |                                | Total Depth (LOGGERS | 5970'       |                  |





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
<http://www.epa.gov/region8>

JUN 17 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, Colorado 80202

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

Re: Final Permit & Aquifer Exemption  
EPA UIC Permit UT21129-07633  
Federal 13-9-9-18  
SWSW Sec. 9-T9S-R18E  
Uintah County, Utah  
API No.: 43-047-35840

Dear Mr. Sundberg:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 13-9-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on **JUN 05 2009**. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C.1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit. The EPA forms referenced in the permit are available at <http://www.epa.gov/safewater/uic/reportingforms.html>. Guidance documents for Cement Bond Logging, Radioactive Tracer testing, Step Rate testing, Mechanical Integrity demonstration, Procedure in the Event of a Mechanical Integrity Loss, and other UIC guidances, are available at [http://www.epa.gov/region8/water/uic/deep\\_injection.html](http://www.epa.gov/region8/water/uic/deep_injection.html). Upon request, hard copies of the EPA forms and guidances can be provided.

**RECEIVED**  
**JUN 22 2009**



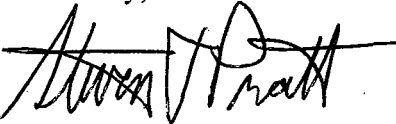
Printed on Recycled Paper  
DIV. OF OIL, GAS & MINING

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 312-6174.

FOR RECORD ONLY

Sincerely,

*for* 

Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

enclosure: Final UIC Permit  
Statement of Basis  
Aquifer Exemption

cc: Letter:

Uintah & Ouray Business Committee,  
Ute Indian Tribe:  
Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairwoman  
Frances Poowegup, Councilwoman  
Ronald Groves, Councilman  
Phillip Chimburas, Councilman  
Steven Cesspooch, Councilman

Daniel Picard, Superintendent  
Uintah & Ouray Indian Agency  
U.S. Bureau of Indian Affairs

cc: all enclosures:

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



Larry Love  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Gilbert Hunt  
Associate Director  
State of Utah - Natural Resources

Fluid Minerals Engineering Dept.  
U.S. Bureau of Land Management  
Vernal, Utah





**UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT**

PREPARED: June 2009

**Permit No. UT21129-07633**

**Class II Enhanced Oil Recovery Injection Well**

**Federal 13-9-9-18  
Uintah County, UT**

Issued To

**Newfield Production Company**

1001 Seventeenth Street, Suite 2000

Denver, CO 80202

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## Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

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

is authorized to construct and to operate the following Class II injection well or wells:

Federal 13-9-9-18  
661' FSL & 660' FWL., SWSW S9, T9S, R18E  
Uintah County, UT

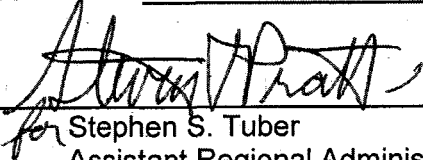
EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: JUN 17 2009

Effective Date JUN 17 2009



for Stephen S. Tuber  
Assistant Regional Administrator\*  
Office of Partnerships and Regulatory Assistance

\*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

## **PART II. SPECIFIC PERMIT CONDITIONS**

### **Section A. WELL CONSTRUCTION REQUIREMENTS**

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

#### **1. Casing and Cement.**

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

#### **2. Injection Tubing and Packer.**

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

#### **3. Sampling and Monitoring Devices.**

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
  - (i) on the injection tubing; and
  - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.



#### **4. Well Logging and Testing**

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

#### **5. Postponement of Construction or Conversion**

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

#### **6. Workovers and Alterations**

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

### **Section B. MECHANICAL INTEGRITY**

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

### **1. Demonstration of Mechanical Integrity (MI).**

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

### **2. Mechanical Integrity Test Methods and Criteria**

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

### **3. Notification Prior to Testing.**

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

### **4. Loss of Mechanical Integrity.**

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

## **Section C. WELL OPERATION**

**INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.**

Injection is approved under the following conditions:

### **1. Requirements Prior to Commencing Injection.**

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
  - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
  - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

### **2. Injection Interval.**

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

### **3. Injection Pressure Limitation**

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permittee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

#### **4. Injection Volume Limitation.**

Injection volume is limited to the total volume specified in APPENDIX C.

#### **5. Injection Fluid Limitation.**

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

#### **6. Tubing-Casing Annulus (TCA)**

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

### **Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS**

#### **1. Monitoring Parameters, Frequency, Records and Reports.**

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

#### **2. Monitoring Methods.**

- (a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

### **3. Records Retention.**

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

### **4. Annual Reports.**

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

## **Section E. PLUGGING AND ABANDONMENT**

### **1. Notification of Well Abandonment, Conversion or Closure.**

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

### **2. Well Plugging Requirements**

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water; and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

### **3. Approved Plugging and Abandonment Plan.**

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

### **4. Forty Five (45) Day Notice of Plugging and Abandonment.**

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abandonment plan.

### **5. Plugging and Abandonment Report.**

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

### **6. Inactive Wells.**

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

## **PART III. CONDITIONS APPLICABLE TO ALL PERMITS**

### **Section A. EFFECT OF PERMIT**

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

### **Section B. CHANGES TO PERMIT CONDITIONS**

#### ***1. Modification, Reissuance, or Termination.***

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

#### ***2. Conversions.***

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

#### ***3. Transfer of Permit.***

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.



#### **4. Permittee Change of Address.**

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

#### **5. Construction Changes, Workovers, Logging and Testing Data**

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

### **Section C. SEVERABILITY**

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

### **Section D. CONFIDENTIALITY**

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

### **Section E. GENERAL PERMIT REQUIREMENTS**

#### **1. Duty to Comply.**

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

## **2. Duty to Reapply.**

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

## **3. Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

## **4. Duty to Mitigate.**

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

## **5. Proper Operation and Maintenance.**

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

## **6. Permit Actions.**

This Permit may be modified, revoked and reissued or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

## **7. Property Rights.**

This Permit does not convey any property rights of any sort, or any exclusive privilege.

## **8. Duty to Provide Information.**

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

## **9. Inspection and Entry.**

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

#### **10. Signatory Requirements.**

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

#### **11. Reporting Requirements.**

- (a) **Planned changes.** The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) **Anticipated noncompliance.** The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) **Monitoring Reports.** Monitoring results shall be reported at the intervals specified in this Permit.
- (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) **Twenty-four hour reporting.** The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
  - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
  - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurrence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website <http://www.nrc.uscg.mil/index.htm>.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

## **Section F. FINANCIAL RESPONSIBILITY**

### ***1. Method of Providing Financial Responsibility.***

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

### ***2. Insolvency.***

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

- (c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

## APPENDIX A

### WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 13-9-9-18 was drilled to a total depth of 5,965 feet (KB) feet in the Wasatch Formation. Plug back total depth (PBTD) is 5,904 feet.

Surface casing (8-5/8 inch) was set at a depth of 322 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5,949 feet (KB) in a 7-7/8 inch hole with 750 sacks of Premium Lite II mixed and 450 sacks 50/50 of POZ mix. Top of cement by Cement Bond Log is 220 feet from surface.

CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone. A successful Part II (External) Mechanical Integrity Test (MI) will demonstrate that well construction is adequate to protect USDWs.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3,598 feet (top of Garden Gulch Member) and the top of the Wasatch Formation (5,835 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

# Federal 13-9-9-18

Spud Date: 12/5/05  
Put on Production: 1/13/06  
GL: 5030' KB:5042'

## Proposed Injection Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.75')  
DEPTH LANDED: 321.75' KB *TOC 12RA 1105'*  
HOLE SIZE: 12-1/4" *Green River 1298'*  
CEMENT DATA: 160sxs Class "G" mixed cmt, est 5 bbls cmt to surf.

### PRODUCTION CASINGS

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (5948.67')  
DEPTH LANDED: 5948.67' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
CEMENT TOP AT: 220'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 172 jts (5444.70')  
TUBING ANCHOR: 5456.70' KB  
NO. OF JOINTS: 1 jt (31.75')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5491.25' KB  
NO. OF JOINTS: 2 jts (62.96')  
TOTAL STRING LENGTH: EOT @ 5555.76' w/ 12' KB'

Cement Top @ 220'

### FRAC JOB

01/05/06 5483'-5495' Frac CP3 sands as follows:  
73,948# 20/40 sand in 591 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1224 psi  
w/avg rate of 25.1 BPM. ISIP 1400 psi. Calc  
flush: 5481 gal. Actual flush: 4956 gal.

01/05/06 5331'-5339' Frac CPI sands as follows:  
24,860# 20/40 sand in 345 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1272 psi  
w/avg rate of 25.1 BPM. ISIP 1620 psi. Calc  
flush: 5329 gal. Actual flush: 4788 gal.

01/05/06 5009'-5015' Frac A1 sands as follows:  
19,836# 20/40 sand in 293 bbls lightning Frac  
17 fluid. Treated @ avg press of 1702 psi  
w/avg rate of 24.9 BPM. ISIP 1640 psi. Calc  
flush: 5007 gal. Actual flush: 4494 gal.

01/05/06 4842'-4851' Frac B2 sands as follows:  
40,140# 20/40 sand in 442 bbls lightning  
Frac 17 fluid. Treated @ avg press of 2076 psi  
w/avg rate of 25.2 BPM. ISIP 1935 psi. Calc  
flush: 4840 gal. Actual flush: 4326 gal.

01/05/06 4704'-4711' Frac C sands as follows:  
30,857# 20/40 sand in 354 bbls lightning Frac  
17 fluid. Treated @ avg press of 1940 psi  
w/avg rate of 14.5 BPM. ISIP 2500 psi. Calc  
flush: 4702 gal. Actual flush: 4578 gal.

01/09/06 Pump Change. Update rod and tubing leak.

*3574-3598 Con Finns Zone*  
*3598-3620 Garden Creek*  
*808 Bond 3680-3992*  
*4576 Douglas Creek*

Packer @ 4669'  
4704'-4711'

4842'-4851'

5009'-5015'

5331'-5339'

5483'-5495'

### PERFORATION RECORD

| Date     | Interval    | Tool   | Holes    |
|----------|-------------|--------|----------|
| 12/28/05 | 5483'-5495' | 4 JSPF | 48 holes |
| 01/05/06 | 5331'-5339' | 4 JSPF | 32 holes |
| 01/05/06 | 5009'-5015' | 4 JSPF | 24 holes |
| 01/05/06 | 4842'-4851' | 4 JSPF | 36 holes |
| 01/05/06 | 4704'-4711' | 4 JSPF | 28 holes |

*5306-5316 Little Rock*

*5718 Bond Carbonate*  
*5835 Wash*

Top of Fill & PBTD @ 5904'

SHOE @ 5949'

TD @ 5965'

NEWFIELD

Federal 13-9-9-18

661' FSL & 660' FWL

SW/SW Section 9-T9S-R18E

Uintah County, Utah

API #43-047-35840; Lease #UTU-16540

MC 2/1/07

## APPENDIX B

### LOGGING AND TESTING REQUIREMENTS

#### Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

### NO LOGGING REQUIREMENTS

#### Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

| <b>WELL NAME:</b> Federal 13-9-9-18 |   |
|-------------------------------------|---|
| <b>TYPE OF TEST</b>                 | <b>DATE DUE</b>   |
| Radioactive Tracer Survey (2)       | Within a 180-day limited authorization to inject period and at least once within a five year period following the last successful test. |
| Standard Annulus Pressure           | Prior to receiving authorization to inject and at least once within a five year period following the last successful test.              |
| Pore Pressure                       | Prior to receiving authorization to inject.   |



## APPENDIX C

### OPERATING REQUIREMENTS

#### MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

| WELL NAME         | MAXIMUM ALLOWED INJECTION PRESSURE (psi) |
|-------------------|--|
|                   | ZONE 1 (Upper)                           |
| Federal 13-9-9-18 | 1,175                                    |

#### INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

| WELL NAME: Federal 13-9-9-18 |   |        |                                  |
|------------------------------|---|--------|----------------------------------|
| FORMATION NAME               | APPROVED INJECTION<br>INTERVAL (KB, ft) |        | FRACTURE<br>GRADIENT<br>(psi/ft) |
|                              | TOP                                     | BOTTOM |                                  |
| Green River Formation        | 3,598.00 - 5,835.00                     |        | 0.690                            |

#### ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

#### MAXIMUM INJECTION VOLUME:

| WELL NAME: Federal 13-9-9-18 |                             |
|------------------------------|-----------------------------|
| FORMATION NAME               | MAXIMUM VOLUME LIMIT (bbls) |
| Green River Formation        |                             |

## APPENDIX D

### MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

| OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS |  |
|--|--|
| OBSERVE<br>AND<br>RECORD                                   | Injection pressure (psig)                                    |
|  | Annulus pressure(s) (psig)                                   |
|  | Injection rate (bbl/day)                                     |
|  | Fluid volume injected since the well began injecting (bbls)  |
| ANNUALLY   |  |
| ANALYZE  | Injected fluid total dissolved solids (mg/l)                 |
|  | Injected fluid specific gravity                              |
|  | Injected fluid specific conductivity                         |
|  | Injected fluid pH  |
| ANNUALLY   |  |
| REPORT   | Each month's maximum and averaged injection pressures (psig) |
|  | Each month's maximum and minimum annulus pressure(s) (psig)  |
|  | Each month's injected volume (bbl)                           |
|  | Fluid volume injected since the well began injecting (bbl)   |
|  | Written results of annual injected fluid analysis            |
|  | Sources of all fluids injected during the year               |

In addition to these items, additional Logging and Testing results may be required periodically. For a list of those items and their due dates, please refer to APPENDIX B - LOGGING AND TESTING REQUIREMENTS.

## APPENDIX E

### PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

**PLUG NO. 1: Seal Injection Zone:** Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

**PLUG NO. 2: Seal Mahogany Shale and Trona intervals:** Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2,730 feet to 2,900 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 170 -foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2,730 feet to 2,900 feet.

**PLUG NO. 3: Seal USDWs:** Squeeze a cement plug (1,230 feet - 1,350 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 120-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1,230 feet to 1,350 feet.

**PLUG NO.4: Seal Surface:** Set a Class "G" cement plug within the 5-1/2 inch casing to 630 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

Federal 13-9-9-18

Spud Date: 12/5/05

Put on Production: 1/13/06

GL: 5030' KB: 5042'

Proposed P & A  
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311.75')

DEPTH LANDED: 321.75' KB

HOLE SIZE: 13-1/4"

CEMENT DATA: 160 sxs Class "G" mixed cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 140 jts. (5948.67')

DEPTH LANDED: 5948.67' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed &amp; 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 220'

Cement Top @ 220'

Pump 43 sx Class G Cement down 5-1/2" casing to 372'

Casing Shoe @ 322'

630'

Green River 1298'

1230'-1350' Cement Plug

Cement Plug 2730'-2900'

2783 Trans

2824-2844 Mahogany Branch

26' Class G Cement plug on top of CIBP  
CIBP 50' above top perf.

4704'-4711'

4842'-4851'

5009'-5015'

5331'-5339'

5483'-5495'

Top of Fill &amp; PBTD @ 5904'

SHOE @ 5949'

TD @ 5965'

**NEWFIELD**

Federal 13-9-9-18

661' FSL &amp; 660' FWL

SW/SW Section 9-T9S-R18E

Uintah County, Utah

API #43-047-35840; Lease #UTU-16540

MC 2/1/07

## **APPENDIX F**

### **CORRECTIVE ACTION REQUIREMENTS**

No corrective action is deemed necessary for this project.

# **STATEMENT OF BASIS**

**NEWFIELD PRODUCTION COMPANY**

**FEDERAL 13-9-9-18  
UINTAH COUNTY, UT**

**EPA PERMIT NO. UT21129-07633**

***CONTACT:*** Emmett Schmitz  
U. S. Environmental Protection Agency  
Ground Water Program, 8P-W-GW  
1595 Wynkoop Street  
Denver, Colorado 80202-1129  
Telephone: 1-800-227-8917 ext. 312-6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

## PART I. General Information and Description of Facility

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

on

March 5, 2007

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 13-9-9-18  
661' FSL & 660' FWL., SWSW S9, T9S, R18E  
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

Federal No. 13-9-9-18 is currently an active Green River Formation - Douglas Creek Member - oil well. The applicant intends to convert this oil well to Class II enhanced recovery injection well.

| TABLE 1.1                       |             |                   |
|---------------------------------|-------------|-------------------|
| WELL STATUS / DATE OF OPERATION |             |                   |
| NEW WELLS                       |             |                   |
| Well Name                       | Well Status | Date of Operation |
| Federal 13-9-9-18               | New         | N/A               |

## PART II. Permit Considerations (40 CFR 146.24)



## Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers (from USGS publication HA 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

### Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T7-9S and R15-19E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9,300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 feet to 800 feet of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 feet to 20 feet thick, is underlain by the Green River Formation. The Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone

deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200 feet per mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 feet to 6 feet wide but up to 28 feet wide, may extend many miles in length and occasionally extend as deep as 2,000 feet. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2,000 ft, far above the protective confining layer and much deeper injection zone.

**TABLE 2.1**  
**GEOLOGIC SETTING**  
**Federal 13-9-9-18**

| Formation Name                      | Top (ft) | Base (ft) | TDS (mg/l) | Lithology   |
|-------------------------------------|----------|-----------|------------|---|
| Uinta                               | 0        | 630       | < 10,000   | Sand and shale.   |
| Uinta                               | 630      | 1,298     |            | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green River                         | 1,298    | 5,835     |            | Interbedded sand, shale and carbonate with fluvial sand and shale.            |
| Green River: Trona                  | 2,783    | 2,824     |            | Evaporite   |
| Green River: Mahogany Bench         | 2,824    | 2,844     |            | Shale   |
| Green River: Garden Gulch Member    | 3,598    | 4,536     |            | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green River - Douglas Creek Member  | 4,536    | 5,718     | 6,318      | Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale. |
| Green River: Basal Carbonate Member | 5,718    | 5,835     |            | Carbonate   |

#### **Proposed Injection Zone(s) (TABLE 2.2)**

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The approved interval for Class II enhanced recovery injection is located between the top of the Garden Gulch Member (3,598 feet) and the top of the Wasatch Formation at 5,835 feet.

**TABLE 2.2**  
**INJECTION ZONES**  
**Federal 13-9-9-18**

| Formation Name        | Top (ft) | Base (ft) | TDS (mg/l) | Fracture Gradient (psi/ft) | Porosity | Exempted?* |
|-----------------------|----------|-----------|------------|----------------------------|----------|------------|
| Green River Formation | 3,598    | 5,835     | 6,318      | 0.690                      |          | P          |

\* C - Currently Exempted  
E - Previously Exempted  
P - Proposed Exemption  
N/A - Not Applicable

**Confining Zone(s) (TABLE 2.3)**

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 24-foot (3,574 feet - 3,598 feet) shale Confining Zone directly overlies the top of the Garden Gulch Member.

**TABLE 2.3**  
**CONFINING ZONES**  
**Federal 13-9-9-18**

| Formation Name | Formation Lithology | Top (ft) | Base (ft) |
|----------------|---------------------|----------|-----------|
| Green River    | Shale               | 3,574    | 3,598     |

**Underground Sources of Drinking Water (USDWs) (TABLE 2.4)**

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit total dissolved solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) around the Federal No. 13-9-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 630 feet from the surface. Absent definitive information relative to the water quality of the Uinta Formation, 630 feet to the base of the Uinta Formation (1,298 feet), the EPA will require during plugging and abandonment a cement plug at the base of the Uinta Formation to protect contamination of possible Uinta USDWs.

**TABLE 2.4**  
**UNDERGROUND SOURCES OF DRINKING WATER (USDW)**  
**Federal 13-9-9-18**

| Formation Name | Formation Lithology  | Top (ft) | Base (ft) | TDS (mg/l) |
|----------------|--|----------|-----------|------------|
| Uinta          | Sand and shale.  | 0        | 630       | < 10,000   |
| Uinta          | Interbedded sand, shale and carbonate with fluvial sand and shale. | 630      | 1,298     |            |

**Exempted Aquifer(s) (40 CFR 144.7 and 146.4)**

Aquifers exempted from protection as a USDW are listed in TABLE 2.5. Exempted is that portion of the aquifer between the depths listed ("TOP" and "BASE") and within the Exempted Radius of the well's surface location, or for an Area Permit, one-quarter (1/4) mile exterior to the defined Area Permit boundary. "Criteria" corresponds to the appropriate criteria (below) for exemption. "VOLUME" is the maximum volume of fluid which can be injected into the exempted area before the injected fluids exceed the exemption boundary, calculated using the following formula:

$$V = \text{Pi} * \text{radius}^2 * \text{height} * \text{porosity} / 5.615$$

where V = VOLUME (in barrels)

Pi = 3.1416

radius<sup>2</sup> = Exempted Radius (squared) - generally 1/4 mile

height = height of reservoir ("BOTTOM" - "TOP")

porosity = reservoir porosity (in percent)

5.615 = conversion factor (cubic feet per barrel)

**TABLE 2.5**  
**AQUIFER EXEMPTION**  
**Federal 13-9-9-18**

| Formation Name        | Top (ft) | Base (ft) | Criteria | Volume (bbl) |
|-----------------------|----------|-----------|----------|--------------|
| Green River Formation | 3,598    | 5,835     | b(1)     |              |

**An aquifer or a portion thereof may be determined to be an "exempted aquifer" provided it meets criteria, listed below.**

- a It does not currently serve as a source of drinking water; AND

- b(1) It cannot now and will not in the future serve as a source of drinking water because it is mineral, hydrocarbon, or geothermal energy producing, or can be demonstrated by a permit applicant as part of a permit for a Class II or III operation to contain minerals or hydrocarbons that considering their quantity and location are expected to be commercially producible; OR
- b(2) It cannot now and will not in the future serve as a source of drinking water because it is situated at a depth or location which makes recovery of water for drinking water purposes economically or technically impractical; OR
- b(3) It cannot now and will not in the future serve as a source of drinking water because it is so contaminated that it would be economically or technologically impractical to render that water fit for human consumption; OR
- b(4) It cannot now and will not in the future serve as a source of drinking water because it is located over a Class III well mining area subject to subsidence or catastrophic collapse; OR
- c The total dissolved solids content of the ground water is more than 3,000 and less than 10,000 mg/l and it is not reasonably expected to supply a public water system.

A November 9, 2006 "Production Water Analysis - Run D" obtained from the Federal No. 13-9-9-18 treater identified the total dissolved solids (TDS) of the producing zones water as 6,318 mg/l.

### **PART III. Well Construction (40 CFR 146.22)**

The Federal No. 13-9-9-18 was drilled to a total depth of 5,965 feet (KB) feet in the Wasatch Formation. Plug back total depth (PBD) is 5,904 feet.

Surface casing (8-5/8 inch) was set at a depth of 322 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5,949 feet (KB) in a 7-7/8 inch hole with 300 sacks of Premium Lite II mixed and 450 sacks 50/50 of POZ mix. Top of cement by Cement Bond Log is 220 feet from surface.

CBL analysis does not identify adequate 80% bond index cement bond within the Confining Zone. A successful Part II (External) Mechanical Integrity Test (MI) will demonstrate that well construction is adequate to protect USDWs.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3,598 feet (top of Garden Gulch Member) and the top of the Wasatch Formation (5,835 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

**TABLE 3.1**  
**WELL CONSTRUCTION REQUIREMENTS**  
**Federal 13-9-9-18**

| Casing Type | Hole Size (in) | Casing Size (in) | Cased Interval (ft) | Cemented Interval (ft) |
|-------------|----------------|------------------|---------------------|------------------------|
| Production  | 7.88           | 5.50             | 0 - 5,949           | 220 - 5,949            |
| Surface     | 12.25          | 8.63             | 0 - 322             | 0 - 322                |

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

#### **Casing and Cementing (TABLE 3.1)**

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

#### **Tubing and Packer**

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

#### **Tubing-Casing Annulus (TCA)**

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under conditions of the Permit.

#### **Monitoring Devices**

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

## PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

**TABLE 4.1**  
**AOR AND CORRECTIVE ACTION**

| Well Name         | Type     | Status<br>(Abandoned Y/N) | Total<br>Depth (ft) | TOC<br>Depth (ft) | CAP<br>Required (Y/N) |
|-------------------|----------|---------------------------|---------------------|-------------------|-----------------------|
| Federal 12-9-9-18 | Producer | No                        | 5,850               | 610               | No                    |
| Federal 14-9-9-18 | Other    | Yes                       | 5,725               | 0                 | No                    |
| Federal 16-8-9-18 | Producer | No                        | 5,870               | 340               | No                    |

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

### Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

### Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

## PART V. Well Operation Requirements (40 CFR 146.23)

**TABLE 5.1**  
**INJECTION ZONE PRESSURES**  
**Federal 13-9-9-18**

| Formation Name        | Depth Used<br>to Calculate<br>MAIP (ft) | Fracture<br>Gradient<br>(psi/ft) | Initial MAIP<br>(psi) |
|-----------------------|---|----------------------------------|-----------------------|
| Green River Formation | 4,704                                   | 0.690                            | 1,175                 |

### Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate will be a blend of culinary quality water from the Johnson Water District pipeline and/or water from the Green River pipeline, and produced water from Green River Formation wells proximate to the Federal No. 13-9-9-18.

### **Injection Pressure Limitation**

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

- FP = formation fracture pressure (measured at surface)
- fg = fracture gradient (from submitted data or tests)
- sg = specific gravity (of injected fluid)
- d = depth to top of injection zone (or top perforation)

### **Injection Volume Limitation**

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restriction on the cumulative volume or daily volume of authorized Class II fluid to be injected into the approved Green River Formation interval. The permittee shall not exceed the maximum authorized injection pressure.



### **Mechanical Integrity (40 CFR 146.8)**

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

**PART I MI:** Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1,000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

**PART II MI:** As the CBL does not exhibit the presence of annulus cement to meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% bond, or better) through the Confining Zone Part II mechanical integrity shall be required. The Part II MI demonstration shall be by Radioactive Tracer Survey or other approved test prior to injection and at least once within each five (5) year period following the last successful MI test. Approved tests for demonstrating Part II MI include a Temperature Survey, Noise Log or Oxygen Activation Log.

## **PART VI. Monitoring, Recordkeeping and Reporting Requirements**

### **Injection Well Monitoring Program**

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

## **PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)**

### **Plugging and Abandonment Plan**

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

**PLUG NO. 1: Seal Injection Zone:** Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

**PLUG NO. 2: Seal Mahogany Shale and Trona intervals:** Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2,730 feet to 2,900 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 170 -foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2,730 feet to 2,900 feet.

**PLUG NO. 3: Seal USDWs:** Squeeze a cement plug (1,230 feet - 1,350 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 120-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1,230 feet to 1,350 feet.

**PLUG NO.4: Seal Surface:** Set a Class "G" cement plug within the 5-1/2 inch casing to 630 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

## **PART VIII. Financial Responsibility (40 CFR 144.52)**

### **Demonstration of Financial Responsibility**

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

A June 27, 2008 demonstration of Financial Responsibility in the amount of \$59,344 has been provided.

The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of plugging and abandonment costs according to the approved Plugging and Abandonment Plan.

Financial Statement, received May 16, 2008

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

# UNDERGROUND INJECTION CONTROL PROGRAM

## AQUIFER EXEMPTION

EPA PERMIT NO. UT21129-07633

Newfield Production Company

**TABLE 1.1**  
**AQUIFER EXEMPTION PROPOSAL(S)**  
**Federal 13-9-9-18**

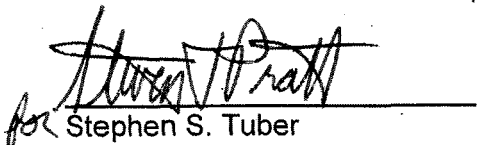
| Formation Name        | Top (ft) | Base (ft) | TDS (mg/l) |
|-----------------------|----------|-----------|------------|
| Green River Formation | 3,598.00 | 5,835.00  | 6,318.00   |

The formation listed above is hereby exempted from protection as an underground source of drinking water (USDW) in compliance with provisions of the Safe Drinking Water Act as amended (42 USC 300f-300j-9, commonly known as the SDWA) and attendant regulations at Title 40 of the Code of Federal Regulations, within the subsurface interval shown and within a 1/4 mile radial distance from the surface location of the:

Federal 13-9-9-18  
Monument Butte (Uintah)  
661' FSL & 660' FWL., SWSW S9, T9S, R18E  
Uintah County, UT

This aquifer exemption is granted in conjunction with an Underground Injection Control Permit issued for the injection of Class II fluids. This Aquifer Exemption has no expiration date.

The effective date of this exemption is **JUN 17 2009**

  
for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16540

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL:  
OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
FEDERAL 13-9-9-18

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304735840

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

PHONE NUMBER  
435.646.3721

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 661 FSL 660 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 9, T9S, R18E

STATE: UT

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

| TYPE OF SUBMISSION   | TYPE OF ACTION  |  |   |
|--|---|--|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><br>                           | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input checked="" type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARITLY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input type="checkbox"/> OTHER: - |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br>08/31/2010 |   |  |   |

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 08/24/2010.

On 08/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 08/31/2010 the casing was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21129-07633 API# 43-047-35840

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 09/07/2010

(This space for State use only)

RECEIVED

SEP 13 2010

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
661 FSL 660 FWL  
SWSW Section 9 T9S R18E

5. Lease Serial No.

USA UTU-16540

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 13-9-18

9. API Well No.  
4304735840

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

11. County or Parish, State  
UINTAH, UT

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

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

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

The subject well has been converted from a producing oil well to an injection well on 08/24/2010.

On 08/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 08/31/2010 the casing was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21129-07633 API# 43-047-35840

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naupoto

Signature

Title

Administrative Assistant

Date

09/07/2010

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

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

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

Title

Date

Office

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

(Instructions on page 2)

**RECEIVED**  
**SEP 13 2010**

DIV OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 8 / 31 / 2010  
Test conducted by: Alfredo Rios  
Others present: \_\_\_\_\_

|  |              |  |
|--|--------------|--|
| Well Name: <u>Federal 13-9-9-18</u>  | Type: ER SWD | Status: AC TA UC                               |
| Field: <u>Monument Butte</u>   |              |  |
| Location: <u>13-9-9-18</u> Sec: <u>9</u> T <u>9</u> N / (S) R <u>18</u> (E) W County: <u>Uintah</u> State: <u>Utah</u> |              |  |
| Operator: <u>Newfield</u>  |              |  |
| Last MIT: <u>      </u> / <u>      </u> / <u>      </u>  |              | Maximum Allowable Pressure: <u>      </u> PSIG |

Is this a regularly scheduled test?    ☐ Yes    ☒ No  
Initial test for permit?                ☒ Yes    ☐ No  
Test after well rework?                ☐ Yes    ☒ No  
Well injecting during test?            ☐ Yes    ☒ No    If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

| MIT DATA TABLE                          | Test #1  | Test #2   | Test #3   |
|---|--|---|---|
| <b>TUBING PRESSURE</b>                  |  |   |   |
| Initial Pressure                        | <u>50</u> psig   | psig  | psig  |
| End of test pressure                    | <u>50</u> psig   | psig  | psig  |
| <b>CASING / TUBING ANNULUS PRESSURE</b> |  |   |   |
| 0 minutes                               | <u>1560</u> psig   | psig  | psig  |
| 5 minutes                               | <u>1560</u> psig   | psig  | psig  |
| 10 minutes                              | <u>1560</u> psig   | psig  | psig  |
| 15 minutes                              | <u>1560</u> psig   | psig  | psig  |
| 20 minutes                              | <u>1560</u> psig   | psig  | psig  |
| 25 minutes                              | <u>1560</u> psig   | psig  | psig  |
| 30 minutes                              | <u>1560</u> psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| <b>RESULT</b>                           | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test?    ☐ Yes    ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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



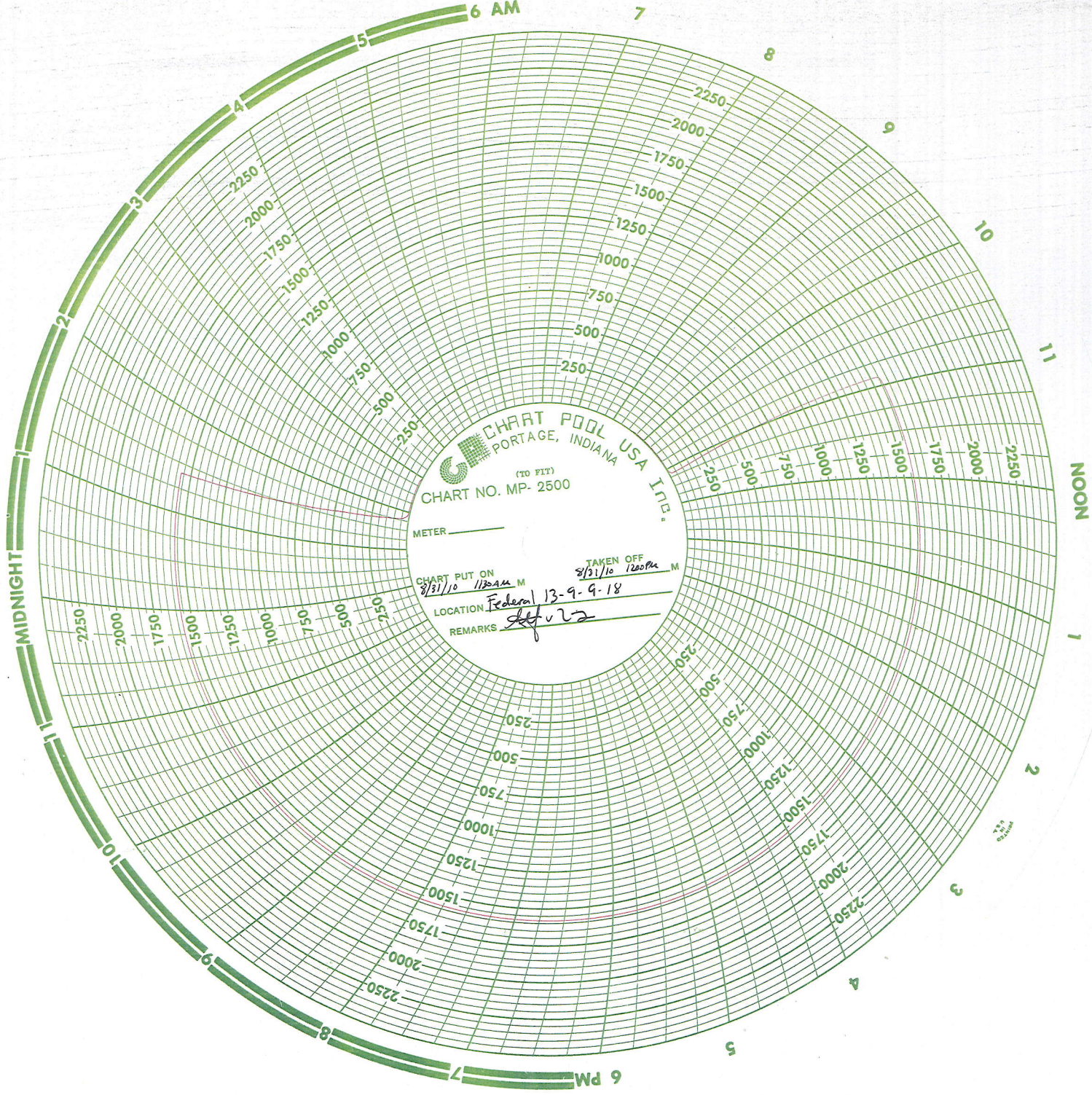


CHART POOL USA INC.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500  
METER \_\_\_\_\_  
CHART PUT ON 8/31/10 1130 AM M  
TAKEN OFF 8/31/10 1200 PM M  
LOCATION Federal 13-9-9-18  
REMARKS def v 22



**Daily Activity Report**

Format For Sundry

**FEDERAL 13-9-9-18****6/1/2010 To 10/30/2010****8/24/2010 Day: 1****Conversion**

WWS #3 on 8/24/2010 - LD rod string & pump. Start TOH W/ production tbg. - MIRU Western rig #3. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure up on tbg to 3000 psi & ruptured. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 5440'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 60 jts. SIFN. - MIRU Western rig #3. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure up on tbg to 3000 psi & ruptured. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 5440'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 60 jts. SIFN. - MIRU Western rig #3. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure up on tbg to 3000 psi & ruptured. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 5440'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 60 jts. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** (\$63,661)**8/25/2010 Day: 2****Conversion**

WWS #3 on 8/25/2010 - Con't TOH W/ tbg. TIH W/ packer & test injection string. Set and test packer. RDMOSU. - Perform MIT. Run Vaughn Energy Services gyro survey. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 27 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 148 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4679', CE @ 4683' & EOT @ 4688'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 27 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 148 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4679', CE @ 4683' & EOT @ 4688'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU. - Perform MIT. Run Vaughn Energy Services gyro survey. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH &

talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 27 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 148 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4679', CE @ 4683' & EOT @ 4688'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU. - Perform MIT. Run Vaughn Energy Services gyro survey. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** (\$55,181)

---

**9/2/2010 Day: 3**

**Conversion**

Rigless on 9/2/2010 - MIT on well - On 8/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Federal 13-9-9-18). On 8/31/2010 the csg was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 50 psig during the test. There was not an EPA representative available to witness the test. Final Report! EPA# UT21129-07633 API#43-047-35840 - On 8/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Federal 13-9-9-18). On 8/31/2010 the csg was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 50 psig during the test. There was not an EPA representative available to witness the test. Final Report! EPA# UT21129-07633 API#43-047-35840 - On 8/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Federal 13-9-9-18). On 8/31/2010 the csg was pressured up to 1560 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 50 psig during the test. There was not an EPA representative available to witness the test. Final Report! EPA# UT21129-07633 API#43-047-35840 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** (\$23,441)

---

**Pertinent Files: Go to File List**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

OCT 13 2010

Ref: 8P-W-GW

**RETURN RECEIPT REQUESTED**

Mr. Michael Guinn  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, UT 84052

RE: Underground Injection Control (UIC)  
Limited Authorization to Inject  
EPA UIC Permit UT21129-07633  
Well: Federal 13-9-9-18  
SWSW Sec. 9-T9S-R18E  
Uintah County, Utah  
API No.: 43-047-35840

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) September 7, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT21129-07633.

As of the date of this letter, Newfield is authorized to commence injection into the Federal 13-9-9-18 well at a Maximum Allowable Injection Pressure (MAIP) of 1,175 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT21129-07633. If Newfield seeks a higher MAIP than 1,175 psig, it may be advantageous to run a Step Rate Test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT21129-07633.

RECEIVED

OCT 21 2010

DIV. OF OIL, GAS & MINING

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,



for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:  
Curtis Cesspooch, Councilman  
Frances Poowegup, Vice-Chairwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Irene Cuch, Councilwoman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company  
Denver, CO

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill 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.

|                         |  |  |
|-------------------------|--|--|
| 1. TYPE OF WELL:        | OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>USA UTU-16540 |
| 2. NAME OF OPERATOR:    | NEWFIELD PRODUCTION COMPANY  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                    |
| 3. ADDRESS OF OPERATOR: | Route 3 Box 3630 CITY Myton STATE UT ZIP 84052                                       | 7. UNIT or CA AGREEMENT NAME:<br>GMBU                    |
| 4. LOCATION OF WELL:    | FOOTAGES AT SURFACE: 661 FSL 660 FWL   | 8. WELL NAME and NUMBER:<br>FEDERAL 13-9-9-18            |
|                         | OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW, 9, T9S, R18E                      | 9. API NUMBER:<br>4304735840                             |
|                         |  | 10. FIELD AND POOL, OR WILDCAT:<br>GREATER MB UNIT       |
|                         |  | COUNTY: UINTAH   |
|                         |  | STATE: UT  |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |   |  |
|--|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><u>10/21/2010</u> | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION        |  |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL             |  |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARITLY ABANDON                 |  |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                        |  |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLAIR                        |  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:                            | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                       |  |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/STOP)          | <input type="checkbox"/> WATER SHUT-OFF                       |  |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: - Put on Injection |  |
|  | <input checked="" type="checkbox"/> CONVERT WELL TYPE   | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |  |

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

The above reference well was put on injection at 1:30 PM on 10-21-2010.

EPA # UT21129-07633 API # 43-047-35840

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

|   |                                |
|---|--------------------------------|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto   | TITLE Administrative Assistant |
| SIGNATURE  | DATE 10/25/2010                |

(This space for State use only)

RECEIVED

NOV 01 2010

DIV. OF OIL, GAS & MINING



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JAN 11 2011

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Michael Guinn  
District Manager  
Newfield Production Company  
Route 3-Box 3630  
Myton, UT 84502

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

RE: Underground Injection Control (UIC)  
Authorization to Continue Injection  
EPA UIC Permit UT21129-07633  
Well: Federal 13-9-9-18  
SW/SW Sec. 9 T9S-R178E  
Uintah County, UT  
API No.: 43-047-35840

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, received the results of the November 22, 2010, Radioactive Tracer Survey (RTS) for the Federal 13-9-9-18 well. EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,175 psig.

As of the date of this letter, EPA hereby authorizes continued injection into the Federal 13-9-9-18 well under the terms and conditions of UIC Permit UT21129-07633.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

**RECEIVED**

**JAN 20 2011**

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

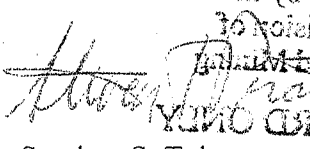
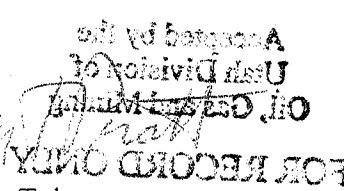
As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

Mr. Nathan Wiser  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211. Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT211129-07633.

If you have questions regarding the above action, please call Tom Aalto at 303-312-6949 or 1-800-227-8917, ext. 312-6949.

Sincerely,

*for*    
Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Richard Jenks, Jr., Chairman  
Frances Poowegup, Vice-Chairwoman  
Curtis Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Irene Cuch, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg  
Regulatory Analyst  
Newfield Production Company



|   |   |   |
|---|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-16540 |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052  |   | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 13-9-9-18        |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0661 FSL 0660 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSW Section: 09 Township: 09.0S Range: 18.0E Meridian: S   |   | <b>9. API NUMBER:</b><br>43047358400000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |   | <b>9. FIELD and POOL or WILDCAT:</b><br>8 MILE FLAT NORTH   |
| <b>COUNTY:</b><br>UINTAH  |   | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>                                   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>7/29/2015  | <input type="checkbox"/> ALTER CASING                   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR                  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |
|   | <input type="checkbox"/> CHANGE WELL STATUS             |   |
|   | <input type="checkbox"/> CHANGE WELL NAME               |   |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |
|   | <input type="checkbox"/> CONVERT WELL TYPE              |   |
|   | <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"/> WILDCAT WELL DETERMINATION     |   |
|   | <input checked="" type="checkbox"/> OTHER               |   |
|   | OTHER: 5 YR MIT   |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br>5 YR MIT performed on the above listed well. On 07/29/2015 the casing was pressured up to 1009 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1344 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07633 |   |   |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>August 04, 2015   |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874                     | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>7/31/2015                                |   |

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 7/29/15  
Test conducted by: James Daniels  
Others present: \_\_\_\_\_

|  |                                   |                         |
|--|-----------------------------------|-------------------------|
| Well Name: <u>Federal 13-9-9-18</u>  | Type: <u>ER SWD</u>               | Status: <u>AC TA UC</u> |
| Field: <u>GMBU</u>   |                                   |                         |
| Location: <u>SW/SW</u> Sec: <u>9</u> T <u>9</u> N/S R <u>18</u> E/W County: <u>Wabash</u> State: <u>WI</u> |                                   |                         |
| Operator: <u>NEF</u>   |                                   |                         |
| Last MIT: <u>1</u> / <u>1</u>  | Maximum Allowable Pressure: _____ | PSIG                    |

Is this a regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/1344 psig

| MIT DATA TABLE       |  | Test #1                       |                               | Test #2                       |                               | Test #3                       |  |
|----------------------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| TUBING               |  | PRESSURE                      |                               |                               |                               |                               |  |
| Initial Pressure     | 1344                                     | psig                          |                               | psig                          |                               | psig                          |  |
| End of test pressure | 1344                                     | psig                          |                               | psig                          |                               | psig                          |  |
| CASING / TUBING      |  | ANNULUS                       |                               | PRESSURE                      |                               |                               |  |
| 0 minutes            | 1006                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 5 minutes            | 1006                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 10 minutes           | 1008                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 15 minutes           | 1009                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 20 minutes           | 1008                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 25 minutes           | 1009                                     | psig                          |                               | psig                          |                               | psig                          |  |
| 30 minutes           | 1009                                     | psig                          |                               | psig                          |                               | psig                          |  |
| _____ minutes        |  | psig                          |                               | psig                          |                               | psig                          |  |
| _____ minutes        |  | psig                          |                               | psig                          |                               | psig                          |  |
| RESULT               | <input checked="" type="checkbox"/> Pass | <input type="checkbox"/> Fail | <input type="checkbox"/> Pass | <input type="checkbox"/> Fail | <input type="checkbox"/> Pass | <input type="checkbox"/> Fail |  |

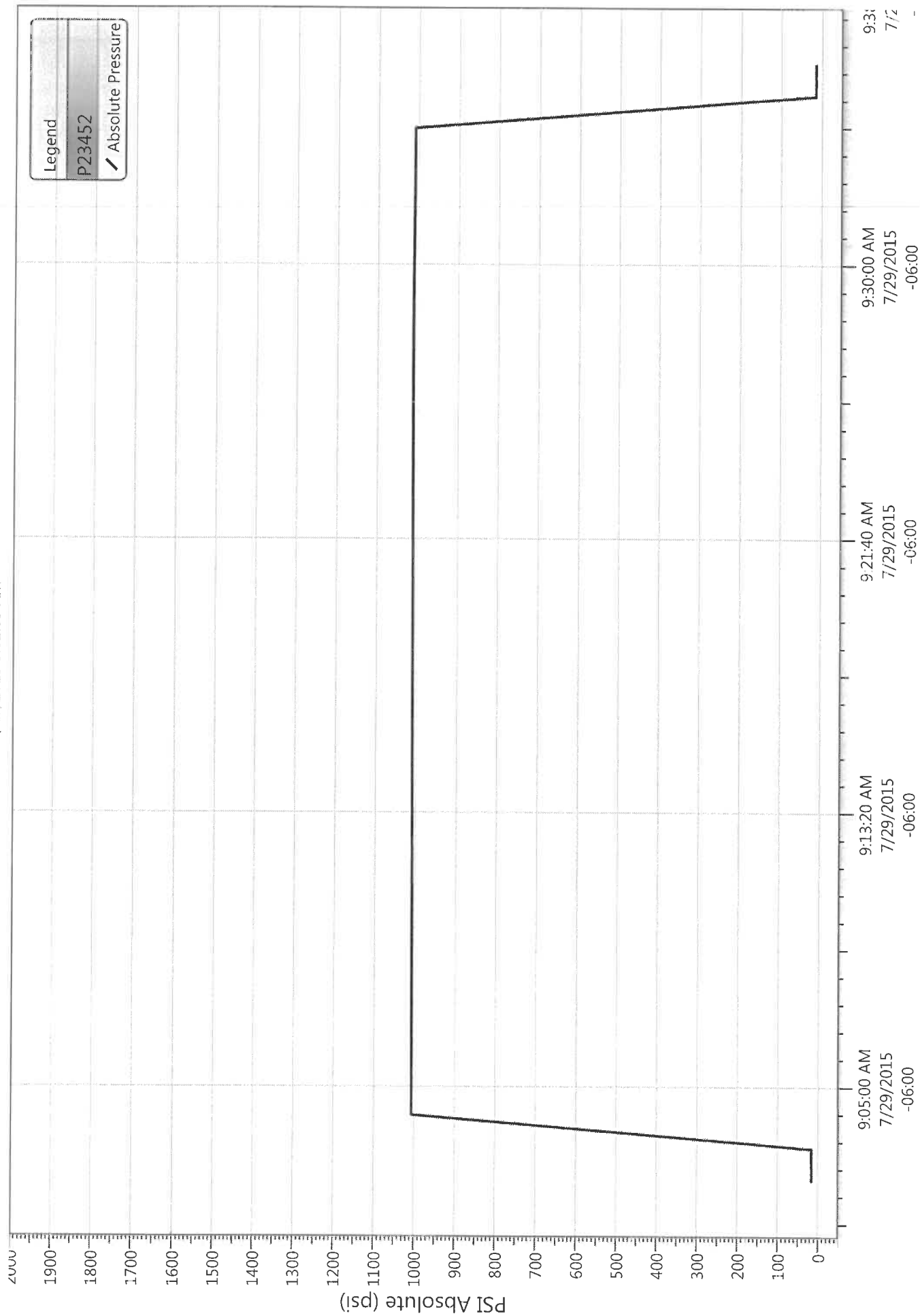
Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: James Daniels

Federal 13-9-9-18  
7/29/2015 9:02:03 AM



## NEWFIELD



## Schematic

Well Name: Federal 13-9-9-18

43-047-35840

|                                     |                                |                                 |                                     |                                |                              |  |                  |
|-------------------------------------|--------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|------------------|
| Surface Legal Location<br>09-9S-18E |                                | API/UWI<br>43047358400000       | Well RC<br>500151673                | Lease                          | State/Province<br>Utah       | Field Name<br>GMBU CTB11                     | County<br>Uintah |
| Spud Date<br>12/5/2005              | Rig Release Date<br>12/20/2005 | On Production Date<br>1/13/2006 | Original KB Elevation (ft)<br>5,042 | Ground Elevation (ft)<br>5,030 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB)<br>Original Hole - 5,904.9 |                  |

## Most Recent Job

|                         |                             |                           |                             |                           |
|-------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|
| Job Category<br>Testing | Primary Job Type<br>Logging | Secondary Job Type<br>N/A | Job Start Date<br>11/9/2015 | Job End Date<br>11/9/2015 |
|-------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|

TD: 5,965.0

Vertical - Original Hole, 3/30/2016 12:24:31 PM

| MD (ftKB) | TVD (ftKB) | Incl (°) | DLS                | Vertical schematic (actual)                                   |
|-----------|------------|----------|--------------------|---|
|           |            |          | DLS (°...<br>0 — 2 |   |
| 12.1      | 12.1       | 0.0      |                    |   |
| 210.0     | 210.0      | 0.3      |                    |   |
| 320.9     | 320.9      | 0.3      |                    |   |
| 321.9     | 321.8      | 0.3      |                    | 1; Surface; 8 5/8 in; 8,097 in; 12-322 ftKB; 309.75 ft        |
| 4,679.1   | 4,677.6    | 2.3      |                    | 6-1; Tubing; 2 7/8; 2,441; 12-4,679; 4,667.19                 |
| 4,680.4   | 4,679.0    | 2.3      |                    | 6-2; Pump Seating Nipple; 2 7/8; 2,441; 4,679-4,680; 1.10     |
| 4,687.7   | 4,686.2    | 2.3      |                    | 6-3; Packer; 5 1/2; 2,441; 4,680-4,688; 7.40                  |
| 4,704.1   | 4,702.6    | 2.3      |                    |   |
| 4,711.0   | 4,709.4    | 2.2      |                    | Perforated; 4,704-4,711; 1/5/2006                             |
| 4,841.9   | 4,840.3    | 2.1      |                    |   |
| 4,851.0   | 4,849.4    | 2.1      |                    | Perforated; 4,842-4,851; 1/5/2006                             |
| 5,008.9   | 5,007.1    | 1.9      |                    |   |
| 5,015.1   | 5,013.4    | 1.9      |                    | Perforated; 5,009-5,015; 1/5/2006                             |
| 5,331.0   | 5,329.1    | 2.0      |                    |   |
| 5,338.9   | 5,337.0    | 2.0      |                    | Perforated; 5,331-5,339; 1/5/2006                             |
| 5,482.9   | 5,481.0    | 1.8      |                    |   |
| 5,495.1   | 5,493.1    | 1.8      |                    | Perforated; 5,483-5,495; 12/28/2005                           |
| 5,899.9   | 5,897.7    | 2.1      |                    |   |
| 5,904.9   | 5,902.7    | 2.1      |                    |   |
| 5,905.5   | 5,903.3    | 2.1      |                    |   |
| 5,948.2   | 5,945.9    | 2.1      |                    |   |
| 5,948.8   | 5,946.6    | 2.1      |                    |   |
| 5,964.9   | 5,962.7    | 2.1      |                    | 2; Production; 5 1/2 in; 4,950 in; 12-5,949 ftKB; 5,936.67 ft |

# NEWFIELD



## Newfield Wellbore Diagram Data Federal 13-9-9-18

|                                     |  |                                |  |  |  |
|-------------------------------------|--|--------------------------------|--|--|--|
| Surface Legal Location<br>09-9S-18E |  | API/UWI<br>43047358400000      |  | Lease  |  |
| County<br>Uintah                    |  | State/Province<br>Utah         |  | Field Name<br>GMBU CTB11                     |  |
| Well Start Date<br>12/5/2005        |  | Spud Date<br>12/5/2005         |  | Final Rig Release Date<br>12/20/2005         |  |
| Original KB Elevation (ft)<br>5,042 |  | Ground Elevation (ft)<br>5,030 |  | On Production Date<br>1/13/2006              |  |
| Total Depth (ftKB)<br>5,965.0       |  | Total Depth All (TVD) (ftKB)   |  | PBTD (All) (ftKB)<br>Original Hole - 5,904.9 |  |

### Casing Strings

| Csg Des    | Run Date   | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|------------|---------|---------|----------------|-------|------------------|
| Surface    | 12/5/2005  | 8 5/8   | 8.097   | 24.00          | J-55  | 322              |
| Production | 12/20/2005 | 5 1/2   | 4.950   | 15.50          | J-55  | 5,949            |

### Cement

#### String: Surface, 322ftKB 12/11/2005

|  |  |                          |                              |              |                              |
|--|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company<br>BJ Services Company               |  | Top Depth (ftKB)<br>12.0 | Bottom Depth (ftKB)<br>321.8 | Full Return? | Vol Cement Ret (bbl)         |
| Fluid Description<br>w/ 2% CaCL2 + 1/4#/sk Cello-Flake |  | Fluid Type<br>Lead       | Amount (sacks)<br>160        | Class<br>G   | Estimated Top (ftKB)<br>12.0 |

#### String: Production, 5,949ftKB 12/20/2005

|   |  |                           |                                |                       |                                 |
|---|--|---------------------------|--------------------------------|-----------------------|---------------------------------|
| Cementing Company<br>BJ Services Company  |  | Top Depth (ftKB)<br>210.0 | Bottom Depth (ftKB)<br>5,965.0 | Full Return?          | Vol Cement Ret (bbl)            |
| Fluid Description<br>w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake |  | Fluid Type<br>Lead        | Amount (sacks)<br>300          | Class<br>Premilite II | Estimated Top (ftKB)<br>210.0   |
| Fluid Description<br>W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM                    |  | Fluid Type<br>Tail        | Amount (sacks)<br>450          | Class<br>50/50 Poz    | Estimated Top (ftKB)<br>3,100.0 |

### Tubing Strings

|                              |     |         |         |            |                       |          |                             |            |
|------------------------------|-----|---------|---------|------------|-----------------------|----------|-----------------------------|------------|
| Tubing Description<br>Tubing |     |         |         |            | Run Date<br>8/24/2010 |          | Set Depth (ftKB)<br>4,687.7 |            |
| Item Des                     | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade                 | Len (ft) | Top (ftKB)                  | Btm (ftKB) |
| Tubing                       | 148 | 2 7/8   | 2.441   | 6.50       | J-55                  | 4,667.19 | 12.0                        | 4,679.2    |
| Pump Seating Nipple          |     | 2 7/8   | 2.441   |            |                       | 1.10     | 4,679.2                     | 4,680.3    |
| Packer                       |     | 5 1/2   | 2.441   |            |                       | 7.40     | 4,680.3                     | 4,687.7    |

### 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 | 5,900      | 5,905      | 2/10/2010 |           |

### Perforation Intervals


| Stage# | Zone                   | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (*) | Nom Hole Dia (in) | Date       |
|--------|------------------------|------------|------------|----------------------|-------------|-------------------|------------|
| 5      | C sds, Original Hole   | 4,704      | 4,711      | 4                    |             | 0.410             | 1/5/2006   |
| 4      | B2 sds, Original Hole  | 4,842      | 4,851      | 4                    |             | 0.410             | 1/5/2006   |
| 3      | A1 sds, Original Hole  | 5,009      | 5,015      | 4                    |             | 0.410             | 1/5/2006   |
| 2      | CP1 sds, Original Hole | 5,331      | 5,339      | 4                    |             | 0.410             | 1/5/2006   |
| 1      | CP3 sds, Original Hole | 5,483      | 5,495      | 4                    |             | 0.410             | 12/28/2005 |

### 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      | 1,400      | 0.69                   | 25.2               | 1,329         |                       |                        |                 |
| 2      | 1,620      | 0.74                   | 25.3               | 1,336         |                       |                        |                 |
| 3      | 1,640      | 0.76                   | 25.1               | 1,709         |                       |                        |                 |
| 4      | 1,935      | 0.83                   | 25.4               | 2,197         |                       |                        |                 |
| 5      | 2,500      | 0.96                   | 14.6               | 2,006         |                       |                        |                 |

### Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount             |
|--------|----------------------------|------------------------------|
| 1      |                            | Proppant White Sand 73948 lb |
| 2      |                            | Proppant White Sand 24860 lb |
| 3      |                            | Proppant White Sand 19836 lb |
| 4      |                            | Proppant White Sand 40140 lb |
| 5      |                            | Proppant White Sand 30857 lb |

|   |   |  |   |  |  |
|---|---|--|---|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>  |   |  |  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-16540  |   |  |  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>   |   |  |  |
| <b>2. NAME OF OPERATOR:</b><br>Newfield Production Company  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)  |   |  |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>4 Waterway Square Place, Suite 100, The Woodlands, TX, 77380  |   | <b>8. WELL NAME and NUMBER:</b><br>Federal 13-9-9-18   |   |  |  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>661 FSL 660 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSW Section: 9 Township: 9S Range: 18E Meridian: S   |   | <b>9. API NUMBER:</b><br>43047358400000  |   |  |  |
| <b>5. PHONE NUMBER:</b><br>435-646-4802   |   | <b>9. FIELD and POOL or WILDCAT:</b><br>8 MILE FLAT NORTH  |   |  |  |
| <b>6. COUNTY:</b><br>UTAH   |   | <b>7. STATE:</b><br>UTAH   |   |  |  |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |   |  |   |  |  |
| <b>TYPE OF SUBMISSION</b><br><br><input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>7/1/2019<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <b>TYPE OF ACTION</b><br><br><table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE<br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/> <input type="checkbox"/> CHANGE WELL STATUS<br/> <input type="checkbox"/> DEEPEN<br/> <input type="checkbox"/> OPERATOR CHANGE<br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/> <input type="checkbox"/> TUBING REPAIR<br/> <input type="checkbox"/> WATER SHUTOFF<br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING<br/> <input type="checkbox"/> CHANGE TUBING<br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/> <input type="checkbox"/> FRACTURE TREAT<br/> <input type="checkbox"/> PLUG AND ABANDON<br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/> <input type="checkbox"/> VENT OR FLARE<br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/> <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR<br/> <input type="checkbox"/> CHANGE WELL NAME<br/> <input type="checkbox"/> CONVERT WELL TYPE<br/> <input type="checkbox"/> NEW CONSTRUCTION<br/> <input type="checkbox"/> PLUG BACK<br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/> <input checked="" type="checkbox"/> TEMPORARY ABANDON<br/> <input type="checkbox"/> WATER DISPOSAL<br/> <input type="checkbox"/> APD EXTENSION<br/>         OTHER: <input type="text" value="MIT"/> </td> </tr> </table> |  | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input checked="" type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input type="text" value="MIT"/> |
| <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION   | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER  | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input checked="" type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <input type="text" value="MIT"/> |   |  |  |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br>An MIT was performed on the above listed well. In regard to the EPA permit requirements on inactive wells Newfield Production is requesting permission to temporarily abandon the subject well for EPA purpose. For BLM requirements the well will be on Shut-In Status. On 07/01/2019 the casing was pressured up to 1098 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 539 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07633 |   |  |   |  |  |
| Accepted by the<br><b>Utah Division of<br/>         Oil, Gas and Mining</b>   |   | <b>Date:</b> November 29, 2019<br><br><b>By:</b>    |   |  |  |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   |   | <b>PHONE NUMBER</b><br>435 646-4874  |   |  |  |
| <b>SIGNATURE</b><br>N/A   |   | <b>TITLE</b><br>Field Production Assistant   |   |  |  |
| <b>DATE</b><br>7/15/2019  |   |  |   |  |  |

# Mechanical Integrity Test Tubing/Casing Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202

EPA Witness: \_\_\_\_\_ Date: 7 / 1 / 2019Test conducted by: EVERETT UNRUHOthers present: API 43-047-35840

Well Name: Federal 13-9-9-18 Type: ER SWD Status: AC TA UC  
Field: Monument Butte  
Location: SWSW Sec: 9 T 9 N/S R 18 (E)/W County: UINTAH State: UT  
Operator: NewField  
Last MIT: 7 / 29 / 2015 Maximum Allowable Pressure: 1409 PSIG

Regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No

Well injecting during test? If Yes, rate: NO bpdPre-test annulus pressure: 0 psig

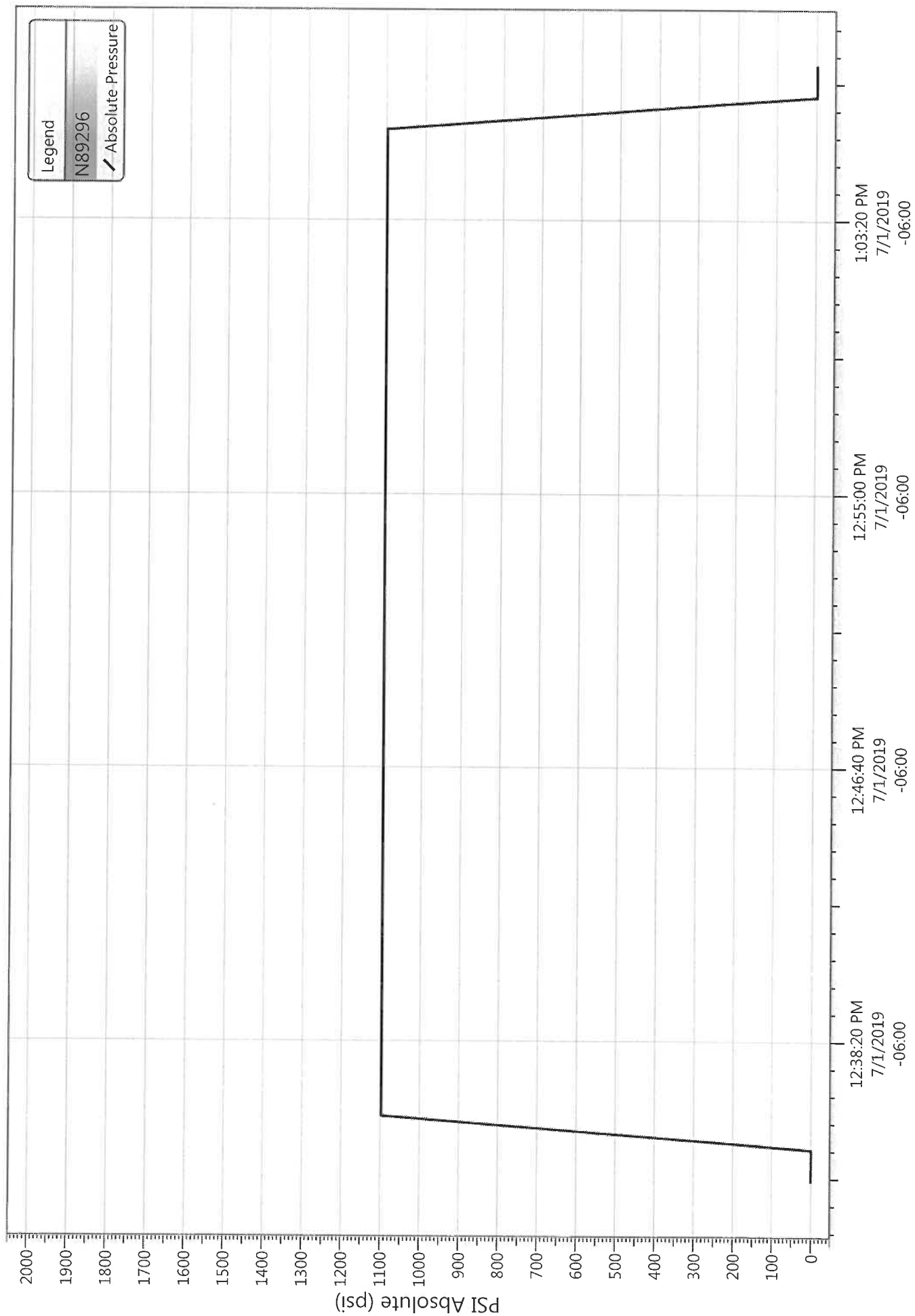
| MIT DATA TABLE                 | Test #1  | Test #2   | Test #3   |
|--------------------------------|--|---|---|
| <b>TUBING</b>                  |  | <b>PRESSURE RECORD</b>                                      |   |
| Initial Pressure               | 539 psig   | psig  | psig  |
| End of test pressure           | 539 psig   | psig  | psig  |
| <b>CASING / TUBING ANNULUS</b> |  | <b>PRESSURE RECORD</b>                                      |   |
| 0 minutes                      | 1097.4 psig  | psig  | psig  |
| 5 minutes                      | 1097.4 psig  | psig  | psig  |
| 10 minutes                     | 1097.8 psig  | psig  | psig  |
| 15 minutes                     | 1098.0 psig  | psig  | psig  |
| 20 minutes                     | 1097.8 psig  | psig  | psig  |
| 25 minutes                     | 1098.0 psig  | psig  | psig  |
| 30 minutes                     | 1098.0 psig  | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| RESULT                         | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? If Yes, NO psig.



Federal 13-9-9-18 (7/1/2019, 2 yr. MIT)

7/1/2019 12:33:24 PM





Division of Oil, Gas and Mining  
Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

|                             |                          |
|-----------------------------|--------------------------|
| <b>FORMER OPERATOR:</b>     | <b>NEW OPERATOR:</b>     |
| Newfield Production Company | Ovintiv Production, Inc. |
| <b>Groups:</b>              |                          |
| Greater Monument Butte      |                          |

**WELL INFORMATION:**

| Well Name         | API Number | Town | Dir | Range | Dir | Sec | Entity Number | Type | Status |
|-------------------|------------|------|-----|-------|-----|-----|---------------|------|--------|
| See Attached List |            |      |     |       |     |     |               |      |        |

Total Well Count: 4704

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:
2. Sundry or legal documentation was received from the **NEW** operator on:
3. New operator Division of Corporations Business Number:

3/16/2020

3/16/2020

755627-0143

**REVIEW:**

Receipt of Acceptance of Drilling Procedures for APD on:

Reports current for Production/Disposition & Sundries:

OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin

UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne

Surface Facility(s) included in operator change:

9/2/2020

1/14/2021

12/21/2020

3/25/2020

State 11-32 Pipeline  
Monument Butte St 10-36  
GB Fed 13-20-8-17  
Canvasback Fed 1-22-8-17  
Ashley Fed 8-14-9-15 Pipeline  
West Lateral 4C Slug Catcher (2-5-3-3)  
West Lateral Phase 5 Slug Catcher  
Bar F Slug Catcher  
Dart Slug Catcher  
Mullins Slug Catcher  
Temporary Produced Water Conditioning Site  
Dart Temporary Produced Water Facility  
Earl Temporary Water Treatment Facility

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s):

B001834.A

107238142-Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on:

1/14/2021

Group(s) update in RDBMS on:

1/14/2021

Surface Facilities update in RBDMS on:

1/14/2021

Entities Updated in RBDMS on:

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

see attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

see attached

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

see attached

9. API NUMBER:

attached

10. FIELD AND POOL, OR WILDCAT:

attached

1. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☐

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

Newfield Production Company

3. ADDRESS OF OPERATOR:

4 Waterway Square Place St. CITY The Woodlands

STATE TX

ZIP 77380

PHONE NUMBER:

(435) 646-4936

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

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

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

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Oviniv Production Inc. Attached is a list of all wells wells that will be operated under Oviniv Production Inc effective January 24, 2020.

PREVIOUS NAME:

Newfield Producon Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:

Oviniv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon

TITLE Regulatory Manager, Rockies

SIGNATURE



DATE 3/16/2020

(This space for State use only)

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

see attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

see attached

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

see attached

9. API NUMBER:

attached

10. FIELD AND POOL, OR WILDCAT:

attached

1. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☐

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

Newfield Production Company

3. ADDRESS OF OPERATOR:

4 Waterway Square Place St. CITY The Woodlands

STATE TX

ZIP 77380

PHONE NUMBER:

(435) 646-4936

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: \_\_\_\_\_

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

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:

Newfield Production Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:

Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon

TITLE Regulatory Manager, Rockies

SIGNATURE

DATE 3/16/2020

(This space for State use only)





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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

|  |  |
|--|--|
| Well Name and Number<br>See attached list                                  | API Number<br>Attached   |
| Location of Well<br>Footage :<br>County :<br>QQ, Section, Township, Range: | Field or Unit Name<br>See Attached<br>Lease Designation and Number<br>See Attached |
| State : UTAH   |  |

EFFECTIVE DATE OF TRANSFER: 1/24/2020

CURRENT OPERATOR

Company: Newfield Production Company  
Address: 4 Waterway Square Place, Suite 100  
city The Woodlands state TX zip 77380  
Phone: (435) 646-4825  
Comments:

Name: Shon McKinnon  
Signature:   
Title: Regulatory Manager, Rockies  
Date: 3/18/2020

NEW OPERATOR

Company: Oviniv Production, Inc  
Address: 4 Waterway Square Place, Suite 100  
city The Woodlands state TX zip 77380  
Phone: (435) 646-4825  
Comments:

Name: Shon McKinnon  
Signature:   
Title: Regulatory Manager, Rockies  
Date: 3/18/2020

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Mar 25, 2020  
FOR RECORD ONLY

Permit Manager

☒ EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

|   |   |   |  |
|---|---|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-16540 |  |
|   |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>        |  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |   | <b>8. WELL NAME and NUMBER:</b><br>Federal 13-9-9-18        |  |
| <b>2. NAME OF OPERATOR:</b><br>Orintiv Production, Inc.   |   | <b>9. API NUMBER:</b><br>43047358400000                     |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380   |   | <b>9. FIELD and POOL or WILDCAT:</b><br>8 MILE FLAT NORTH   |  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>661 FSL 660 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSW Section: 9 Township: 9S Range: 18E Meridian: S   |   | <b>COUNTY:</b><br>UTAH                                      |  |
|   |   | <b>STATE:</b><br>UTAH                                       |  |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |   |   |  |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>                                   |   |  |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                        |   |  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/11/2021  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |  |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS             |   |  |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> DEEPEN                         |   |  |
|   | <input type="checkbox"/> OPERATOR CHANGE                |   |  |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME     |   |  |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |   |  |
|   | <input type="checkbox"/> TUBING REPAIR                  |   |  |
|   | <input type="checkbox"/> WATER SHUTOFF                  |   |  |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION     |   |  |
|   | <input type="checkbox"/> ALTER CASING                   |   |  |
|   | <input type="checkbox"/> CHANGE TUBING                  |   |  |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |  |
|   | <input type="checkbox"/> FRACTURE TREAT                 |   |  |
|   | <input type="checkbox"/> PLUG AND ABANDON               |   |  |
|   | <input type="checkbox"/> RECLAMATION OF WELL SITE       |   |  |
|   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |   |  |
|   | <input type="checkbox"/> VENT OR FLARE                  |   |  |
|   | <input type="checkbox"/> SI TA STATUS EXTENSION         |   |  |
|   | <input checked="" type="checkbox"/> OTHER               |   |  |
|   | OTHER: <input type="text" value="MIT"/>                 |   |  |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br>A 2 YR MIT was performed on the above listed well. On 06/11/2021 the casing was pressured up to 1094 PSIG and charted for 30 minutes with no pressure loss. The tubing pressure was 448 PSIG during the test. There was not an EPA representative present to witness the test. |   |   |  |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>(This is not an approval)<br>July 16, 2021  |   |   |  |
| <b>NAME (PLEASE PRINT)</b><br>Teresa Robbins  |   | <b>PHONE NUMBER</b><br>435-646-4886                         |  |
| <b>SIGNATURE</b><br>N/A   |   | <b>TITLE</b><br>Warehouse Lead                              |  |
|   |   | <b>DATE</b><br>6/21/2021                                    |  |



June 21, 2021

Mr. Don Breffle  
UIC Enforcement Coordinator  
8ENF—W-SDW  
1595 Wynkoop  
Denver, CO 80202-1129

RE: 2 Year MIT  
Well: Federal 13-9-9-18  
EPA #: UT22197-07633  
API #: 43-047-35840

Dear Mr. Breffle:

A 2 year MIT was conducted on the subject well on 06/11/2021. Attached are the EPA tubular sheet and a copy of the chart. You may contact me at (435)646-4886 or [Teresa.robbins@ovintiv.com](mailto:Teresa.robbins@ovintiv.com) if you require further information.

Sincerely,

A handwritten signature in black ink that reads "T. Robbins".

Teresa Robbins  
Operations Services Analyst

# Mechanical Integrity Test Tubing/Casing Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202

EPA Witness: \_\_\_\_\_ Date: 6/1/12Test conducted by: Jimmy BanksOthers present: Justin Dahlberg

|  |  |                  |
|--|--|------------------|
| Well Name: <u>Federal 13-9-9-18</u>  | Type: ER SWD                                 | Status: AC TA UC |
| Field: <u>Greater Monument Butte</u>   |  |                  |
| Location: <u>13</u> Sec: <u>7</u> T: <u>9</u> N: <u>18</u> R: <u>180</u> / W | County: <u>Uintah</u>                        | State: <u>UT</u> |
| Operator: <u>Quintiv</u>   |  |                  |
| Last MIT: <u>1</u> / <u>1</u>  | Maximum Allowable Pressure: <u>1409</u> PSIG |                  |

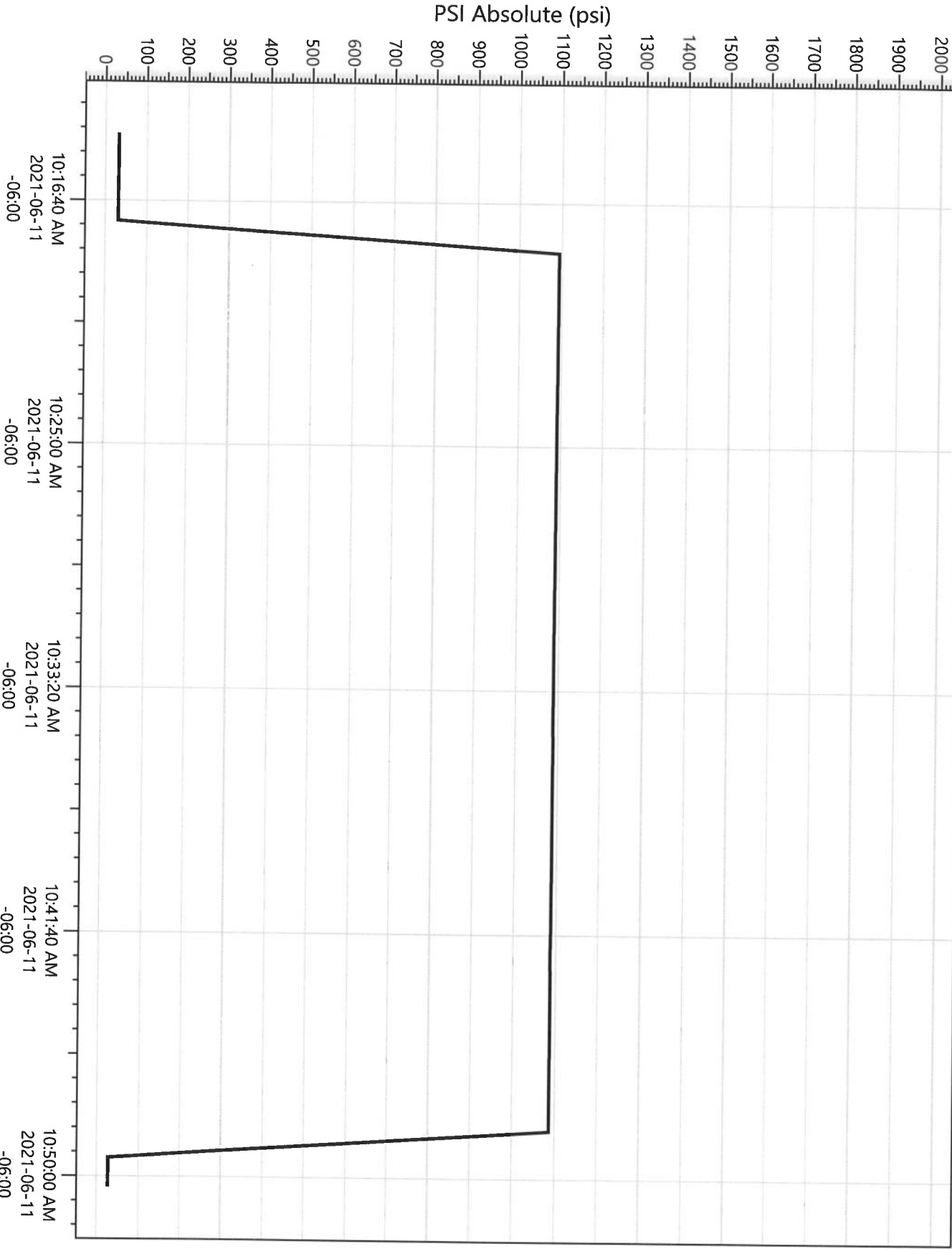
Regularly scheduled test? ☒ Yes ☐ No  
 Initial test for permit? ☐ Yes ☒ No  
 Test after well rework? ☐ Yes ☒ No

Well injecting during test? If Yes, rate: \_\_\_\_\_ bpd

Pre-test annulus pressure: \_\_\_\_\_ psig

| MIT DATA TABLE                 | Test #1  | Test #2   | Test #3   |
|--------------------------------|--|---|---|
| <b>TUBING</b>                  |  | <b>PRESSURE RECORD</b>                                      |   |
| Initial Pressure               | <u>448</u> psig  | psig  | psig  |
| End of test pressure           | <u>448</u> psig  | psig  | psig  |
| <b>CASING / TUBING ANNULUS</b> |  | <b>PRESSURE RECORD</b>                                      |   |
| 0 minutes                      | <u>1094</u> psig   | psig  | psig  |
| 5 minutes                      | <u>1090</u> psig   | psig  | psig  |
| 10 minutes                     | <u>1089</u> psig   | psig  | psig  |
| 15 minutes                     | <u>1088</u> psig   | psig  | psig  |
| 20 minutes                     | <u>1088</u> psig   | psig  | psig  |
| 25 minutes                     | <u>1087</u> psig   | psig  | psig  |
| 30 minutes                     | <u>1087</u> psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| <b>RESULT</b>                  | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? If Yes, \_\_\_\_\_ psig.



Federal 13-9-9-18 (2yr)  
2021-06-11 10:14:20 AM

Legend

P23451

Pressure



Division of Oil, Gas and Mining  
Operator Change/Name Change Worksheet-for State use only

Effective Date: 7/1/2021

|                                |                      |
|--------------------------------|----------------------|
| <b>FORMER OPERATOR:</b>        | <b>NEW OPERATOR:</b> |
| Ovintiv Production, Inc.       | Ovintiv USA, Inc.    |
| Groups: Greater Monument Butte |                      |

**WELL INFORMATION:**

| Well Name         | API Number | Town | Dir | Range | Dir | Sec | Entity Number | Type | Status |
|-------------------|------------|------|-----|-------|-----|-----|---------------|------|--------|
| See Attached List |            |      |     |       |     |     |               |      |        |

Total Well Count: 4689  
Pre-Notice Completed: 9/22/2021

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
2. Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
3. New operator Division of Corporations Business Number: 5053175-0143

**REVIEW:**

Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021  
Reports current for Production/Disposition & Sundries: 9/22/2021  
OPS/SIT/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021  
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021

Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): B001834-B  
107238142A

**DATA ENTRY:**

Well(s) update in the RBDMS on: 11/24/2021  
Group(s) update in RDBMS on: 11/21/2021  
Surface Facilities update in RBDMS on: 11/24/2021  
Entities Updated in RBDMS on: 11/24/2021

**COMMENTS:**

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additional bond will be required at this time.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
Ovintiv Production, Inc.

3. ADDRESS OF OPERATOR:  
4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
(281) 210-5100

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
|--|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>7/1/2021 | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:                          | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

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

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NEW NAME:  
Ovintiv USA Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter

TITLE Manager, US Regulatory Operations

SIGNATURE

*Julia M. Carter*

DATE 9/8/2021

(This space for State use only)

**APPROVED**

By Utah Division of  
Oil, Gas, and Mining

*Rachel Medina*



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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

|  |  |
|--|--|
| Well Name and Number<br>See attached list                                  | API Number<br>Attached   |
| Location of Well<br>Footage :<br>County :<br>QQ, Section, Township, Range: | Field or Unit Name<br>See Attached<br>Lease Designation and Number<br>See Attached |
| State : UTAH   |  |

EFFECTIVE DATE OF TRANSFER: 7/1/2021

CURRENT OPERATOR

|  |   |
|--|---|
| Company: <u>Ovintiv Production, Inc.</u>           | Name: <u>Julia Carter</u>                       |
| Address: <u>4 Waterway Square Place, Suite 100</u> | Signature: <u><i>Julia M. Carter</i></u>        |
| <u>city The Woodlands state TX zip 77380</u>       | Title: <u>Manager, US Regulatory Operations</u> |
| Phone: <u>(281) 210-5100</u>                       | Date: <u>9/8/2021</u>                           |
| Comments:  |   |

NEW OPERATOR

|   |   |
|---|---|
| Company: <u>Ovintiv USA Inc.</u>                  | Name: <u>Julia Carter</u>                       |
| Address: <u>4 Waterway Square Place Suite 100</u> | Signature: <u><i>Julia M. Carter</i></u>        |
| <u>city The Woodlands state TX zip 77380</u>      | Title: <u>Manager, US Regulatory Operations</u> |
| Phone: <u>(281) 210-5100</u>                      | Date: <u>9/8/2021</u>                           |
| Comments:   |   |

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Oct 04, 2021  
FOR RECORD ONLY



EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

Effective Date: 9/1/2022

|                         |                              |
|-------------------------|------------------------------|
| <b>FORMER OPERATOR:</b> | <b>NEW OPERATOR:</b>         |
| Ovintiv USA, Inc.       | Scout Energy Management, LLC |
| Groups:                 |                              |

WELL INFORMATION:

| Well Name         | API Number | Town | Dir | Range | Dir | Sec | Entity Number | Type | Status |
|-------------------|------------|------|-----|-------|-----|-----|---------------|------|--------|
| See Attached List |            |      |     |       |     |     |               |      |        |

Total Well Count: 2888

Pre-Notice Completed: 10/19/2022

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2022
- Sundry or legal documentation was received from the **NEW** operator on: 9/26/2022
- New operator Division of Corporations Business Number: 12607016-0161

REVIEW:

- Receipt of Acceptance of Drilling Procedures for APD on: 11/15/2022
- Reports current for Production/Disposition & Sundries: 10/19/2022
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/11/2022
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Orlan 12/15/2022
- Surface Facility(s) included in operator change: 10/19/2022

NEW OPERATOR BOND VERIFICATION:

- State/fee well(s) covered by Bond Number(s): 612402641-Blanket Bond
- 612402460-Full-Cost Shut-In Bond

DATA ENTRY:

- Well(s) update in the RBDMS on: 12/20/2022 and 1/25/2023
- Group(s) update in RDBMS on: 12/20/2022
- Surface Facilities update in RBDMS on: NA
- Entities Updated in RBDMS on: 1/25/2023

COMMENTS:



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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

|   |  |   |
|---|--|---|
| 1. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>See attached Exhibit A |
| 2. NAME OF OPERATOR:<br>Scout Energy Management, LLC  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>None - N/A               |
| 3. ADDRESS OF OPERATOR:<br>13800 Montfort Road, Suite 1 CITY Dallas STATE TX ZIP 75240                        |  | 7. UNIT or CA AGREEMENT NAME:<br>Greater Monument Butte Unit      |
| PHONE NUMBER:<br>(972) 325-1096   |  | 8. WELL NAME and NUMBER:<br>See attached Exhibit A                |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: See attached Exhibit A  |  | 9. API NUMBER:<br>Attached  |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____  |  | 10. FIELD AND POOL, OR WILDCAT:<br>See attached Exhibit A         |
| STATE: UTAH   |  |   |

| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |  |
|--|---|---|--|
| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>9/1/2022 | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
|  | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:                          | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

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

Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Oviniv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:

Oviniv USA Inc.  
4 Waterway Square Place, Suite 100  
The Woodlands, Texas 77380

Signature - Christian C. Sizemore  
Director, Rockies and Land Innovation  
State/Fee Bond #105189977  
BLM Bond #105073466

NEW OPERATOR:

Scout Energy Management, LLC  
13800 Montfort Road, Suite 100  
Dallas, TX 75240

Signature - Todd Flott  
Managing Director  
State/Fee Bond #612402460 / #61242461  
BLM Bond #612402462

NAME (PLEASE PRINT) Todd Flott

TITLE Managing Director

SIGNATURE

DATE

8/31/2022

(This space for State use only)

**APPROVED**

By Rachel Medina at 10:58 am, Dec 21, 2022





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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

|   |                       |  |
|---|-----------------------|--|
| Well Name and Number<br>see attached list |                       | API Number<br>attached                                 |
| Location of Well                          |                       | Field or Unit Name<br>see attached Exhibit A           |
| Footage :                                 | County : see attached | Lease Designation and Number<br>see attached Exhibit A |
| QQ, Section, Township, Range:             | State : UTAH          |  |

EFFECTIVE DATE OF TRANSFER: 9/1/2022

CURRENT OPERATOR

Company: Ovintiv USA Inc.  
Address: 4 Waterway Square Place, Suite 100  
city The Woodlands state TX zip 77380  
Phone: 281-210-5100  
Comments: UIC wells under UDOGM Jurisdiction

Name: Christian C. Sizemore  
Signature: [Signature]  
Title: Director, Rockies and Land Innovation  
Date: 11/16/2022

NEW OPERATOR

Company: Scout Energy Management LLC  
Address: 13800 Montford Road, Suite 100  
city Dallas state TX zip 75240  
Phone: 972-325-1027  
Comments: Change of operator effective 9/1/2022

Name: Jon Piot  
Signature: [Signature]  
Title: Managing Director  
Date: 11/15/2022

(This space for State use only)

[Signature]

☐ EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

|  |  |  |
|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.   |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-16540  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |  | <b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7. UNIT or CA AGREEMENT NAME:</b><br>Greater Monument Butte     |
| <b>2. NAME OF OPERATOR:</b><br>Scout Energy Management, LLC  |  | <b>8. WELL NAME and NUMBER:</b><br>Federal 13-9-9-18   |
| <b>3. ADDRESS OF OPERATOR:</b><br>13800 Montfort Drive, Suite 100 , Dallas , TX, 75240   |  | <b>9. API NUMBER:</b><br>43047358400000  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>661 FSL 660 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSW Section: 9 Township: 9S Range: 18E Meridian: S  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>8 MILE FLAT NORTH<br><br><b>COUNTY:</b><br>UINTAH<br><br><b>STATE:</b><br>UTAH |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>   |  |  |
| <b>TYPE OF SUBMISSION</b><br><br><input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/7/2023<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <b>TYPE OF ACTION</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE<br/><br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/><br/> <input type="checkbox"/> CHANGE WELL STATUS<br/><br/> <input type="checkbox"/> DEEPEN<br/><br/> <input type="checkbox"/> OPERATOR CHANGE<br/><br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/><br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/><br/> <input type="checkbox"/> TUBING REPAIR<br/><br/> <input type="checkbox"/> WATER SHUTOFF<br/><br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING<br/><br/> <input type="checkbox"/> CHANGE TUBING<br/><br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/><br/> <input type="checkbox"/> FRACTURE TREAT<br/><br/> <input type="checkbox"/> PLUG AND ABANDON<br/><br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/><br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/><br/> <input type="checkbox"/> VENT OR FLARE<br/><br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/><br/> <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR<br/><br/> <input type="checkbox"/> CHANGE WELL NAME<br/><br/> <input type="checkbox"/> CONVERT WELL TYPE<br/><br/> <input type="checkbox"/> NEW CONSTRUCTION<br/><br/> <input type="checkbox"/> PLUG BACK<br/><br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/><br/> <input type="checkbox"/> TEMPORARY ABANDON<br/><br/> <input type="checkbox"/> WATER DISPOSAL<br/><br/> <input type="checkbox"/> APD EXTENSION         </div> </div> <div style="text-align: right; margin-top: 10px;">         OTHER: <input style="width: 100px;" type="text" value="MIT"/> </div> |  |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br>A 2 YR MIT was performed on the above listed well. On 6/7/23 the casing was pressured up to 1087 PSIG and charted for 30 minutes with no pressure loss. The tubing was 370 PSIG during the test. There was not an EPA representative present to witness the test. |  |  |
| <div style="text-align: center;"> <b>Accepted by the</b><br/> <b>Utah Division of</b><br/> <b>Oil, Gas and Mining</b><br/> <b>FOR RECORD ONLY</b><br/> <b>(This is not an approval)</b><br/> <b>August 02, 2023</b> </div>   |  |  |
| <b>NAME (PLEASE PRINT)</b><br>Danene Harvey  | <b>PHONE NUMBER</b><br>972-325-1114  | <b>TITLE</b><br>Sr. Regulatory Analyst   |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>6/12/2023   |  |



13800 Montfort Drive, STE 100, Dallas, TX 75240  
972-277-1397 | [www.scoutep.com](http://www.scoutep.com)

June 12, 2023

Mr. Don Breffle  
UIC Enforcement Coordinator  
8ENF—W-SDW  
1595 Wynkoop  
Denver, CO 80202-1129

**RE: 2 Year MIT**  
**Well: Federal 13-9-9-18**  
**EPA #: UT22197-07633**  
**API #: 43-047-35840**

Dear Mr. Breffle:

A 2 Year MIT was conducted on the subject well on 6/7/2023. Attached are the tubular sheet and a copy of the chart. You may contact me at (972) 325-1114 or [danene.harvey@scoutep.com](mailto:danene.harvey@scoutep.com) if you require further information.

Sincerely,

A handwritten signature in blue ink that reads "Danene Harvey".

Danene Harvey  
**Sr. Regulatory Analyst**  
[Danene.harvey@scoutep.com](mailto:Danene.harvey@scoutep.com)  
(972) 325-1114



# Mechanical Integrity Test Tubing/Casing Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202

EPA Witness: \_\_\_\_\_ Date: 6 / 7 / 2023  
Test conducted by: Brigier Harfinger 43-047--35840  
Others present: \_\_\_\_\_ UT22197-07633

Well Name: Federal 13-9-9-18 Type: ER SWD Status: AC TA UC  
Field: Greater Monument Butte  
Location: 13 Sec: 9 T 9 N (S) R 18 (E) W County: Uintah State: UT  
Operator: Scout  
Last MIT: / / Maximum Allowable Pressure: 1409 PSIG

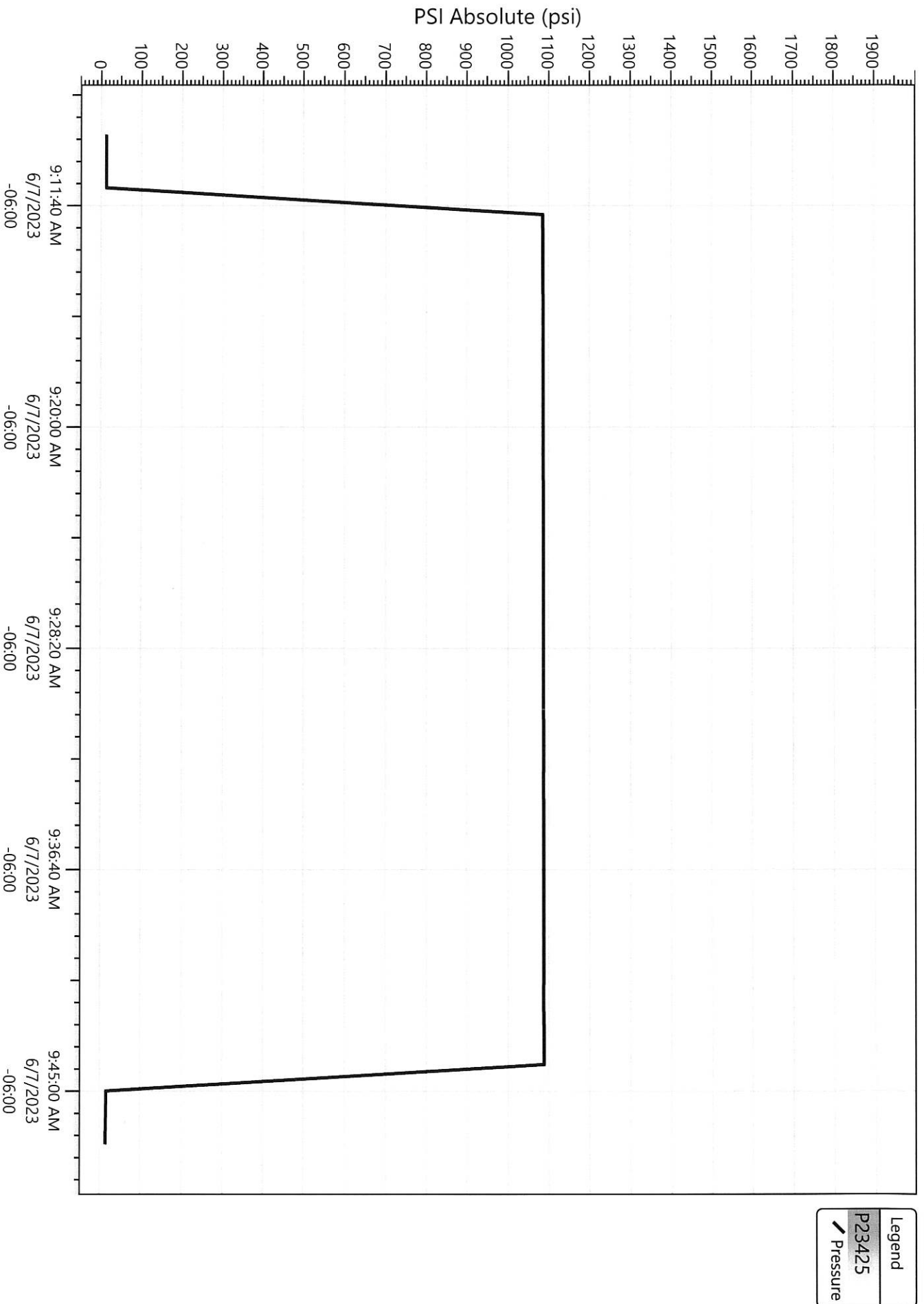
Regularly scheduled test? ☒ Yes ☐ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☐ Yes ☒ No

Well injecting during test? If Yes, rate: \_\_\_\_\_ bpd  
Pre-test annulus pressure: 0 psig

| MIT DATA TABLE                 | Test #1  | Test #2   | Test #3   |
|--------------------------------|--|---|---|
| <b>TUBING</b>                  | <b>PRESSURE RECORD</b>   |   |   |
| Initial Pressure               | <u>370</u> psig  | psig  | psig  |
| End of test pressure           | <u>369</u> psig  | psig  | psig  |
| <b>CASING / TUBING ANNULUS</b> | <b>PRESSURE RECORD</b>   |   |   |
| 0 minutes                      | <u>1085</u> psig   | psig  | psig  |
| 5 minutes                      | <u>1086</u> psig   | psig  | psig  |
| 10 minutes                     | <u>1086</u> psig   | psig  | psig  |
| 15 minutes                     | <u>1087</u> psig   | psig  | psig  |
| 20 minutes                     | <u>1087</u> psig   | psig  | psig  |
| 25 minutes                     | <u>1087</u> psig   | psig  | psig  |
| 30 minutes                     | <u>1087</u> psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| <b>RESULT</b>                  | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? If Yes, \_\_\_\_\_ psig.

Federal 13-9-18  
6/7/2023 9:08:58 AM



|  |  |  |
|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b><br><br><b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-16540  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.   |  | <b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7.UNIT or CA AGREEMENT NAME:</b><br>Greater Monument Butte      |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |  | <b>8. WELL NAME and NUMBER:</b><br>Federal 13-9-9-18   |
| <b>2. NAME OF OPERATOR:</b><br>Scout Energy Management, LLC  |  | <b>9. API NUMBER:</b><br>43047358400000  |
| <b>3. ADDRESS OF OPERATOR:</b><br>13800 Montfort Drive, Suite 100 , Dallas , TX, 75240   |  | <b>PHONE NUMBER:</b><br>972-277-1397   |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>661 FSL 660 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SWSW Section: 9 Township: 9S Range: 18E Meridian: S  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>8 MILE FLAT NORTH<br><br><b>COUNTY:</b><br>UINTAH<br><br><b>STATE:</b><br>UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |  |  |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>  |  |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>5/27/2025<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE<br/><br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/><br/> <input type="checkbox"/> CHANGE WELL STATUS<br/><br/> <input type="checkbox"/> DEEPEN<br/><br/> <input type="checkbox"/> OPERATOR CHANGE<br/><br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/><br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/><br/> <input type="checkbox"/> TUBING REPAIR<br/><br/> <input type="checkbox"/> WATER SHUTOFF<br/><br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING<br/><br/> <input type="checkbox"/> CHANGE TUBING<br/><br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/><br/> <input type="checkbox"/> FRACTURE TREAT<br/><br/> <input type="checkbox"/> PLUG AND ABANDON<br/><br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/><br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/><br/> <input type="checkbox"/> VENT OR FLARE<br/><br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/><br/> <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR<br/><br/> <input type="checkbox"/> CHANGE WELL NAME<br/><br/> <input type="checkbox"/> CONVERT WELL TYPE<br/><br/> <input type="checkbox"/> NEW CONSTRUCTION<br/><br/> <input type="checkbox"/> PLUG BACK<br/><br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/><br/> <input type="checkbox"/> TEMPORARY ABANDON<br/><br/> <input type="checkbox"/> WATER DISPOSAL<br/><br/> <input type="checkbox"/> APD EXTENSION<br/><br/>         OTHER: <input style="width: 100%;" type="text" value="MIT"/> </div> </div> |  |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br>A 2 YR MIT was performed on the above listed well. On 5/27/2025 the casing was pressured up to 1262 PSIG and charted for 30 minutes with no pressure loss. The tubing was 418 PSIG during the test. There was not an EPA representative present to witness the test. |  |  |
| <p>Accepted by the<br/>         Utah Division of<br/>         Oil, Gas and Mining<br/> <b>FOR RECORD ONLY</b><br/>         (This is not an approval)<br/>         May 29, 2025</p>   |  |  |
| <b>NAME (PLEASE PRINT)</b><br>Danene Harvey  |  | <b>PHONE NUMBER</b><br>972-325-1114  |
| <b>SIGNATURE</b><br>N/A  |  | <b>TITLE</b><br>Sr. Regulatory Analyst<br><br><b>DATE</b><br>5/28/2025   |

# Mechanical Integrity Test Tubing/Casing Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202

EPA Witness: \_\_\_\_\_ Date: 5 / 27 / 25  
 Test conducted by: DANE HENRIKSON 43-047-35840  
 Others present: \_\_\_\_\_ UT22197-07633

|                                      |  |   |                  |
|--------------------------------------|--|---|------------------|
| Well Name: <u>FEDERAL 13-9-9-18</u>  |  | Type: ER SWD                            | Status: AC TA UC |
| Field: <u>SPEARER MONUMENT BUTTE</u> |  |   |                  |
| Location: <u>SW/SW</u>               | Sec: <u>9</u> T <u>9</u> N <u>(S)</u> R <u>18</u> <u>(E)</u> W | County: <u>UINTAH</u>                   | State: <u>UT</u> |
| Operator: <u>Scout</u>               |  |   |                  |
| Last MIT: _____ / _____ / _____      |  | Maximum Allowable Pressure: <u>1409</u> | PSIG             |

Regularly scheduled test? ☒ Yes ☐ No  
 Initial test for permit? ☐ Yes ☒ No  
 Test after well rework? ☐ Yes ☒ No

Well injecting during test? If Yes, rate: NO bpd  
 Pre-test annulus pressure: 0 psig

| MIT DATA TABLE                 | Test #1  | Test #2   | Test #3   |
|--------------------------------|--|---|---|
| <b>TUBING</b>                  | <b>PRESSURE RECORD</b>   |   |   |
| Initial Pressure               | 418 psig   | psig  | psig  |
| End of test pressure           | 418 psig   | psig  | psig  |
| <b>CASING / TUBING ANNULUS</b> |  | <b>PRESSURE RECORD</b>                                      |   |
| 0 minutes                      | 1261 psig  | psig  | psig  |
| 5 minutes                      | 1261 psig  | psig  | psig  |
| 10 minutes                     | 1261 psig  | psig  | psig  |
| 15 minutes                     | 1261 psig  | psig  | psig  |
| 20 minutes                     | 1262 psig  | psig  | psig  |
| 25 minutes                     | 1261 psig  | psig  | psig  |
| 30 minutes                     | 1261 psig  | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| _____ minutes                  | psig   | psig  | psig  |
| <b>RESULT</b>                  | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test ? If Yes, \_\_\_\_\_ psig.

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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

### OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why?

Possible violation identified? ☐ YES ☐ NO

If YES, what

**If YES - followup initiated?** ☐ YES

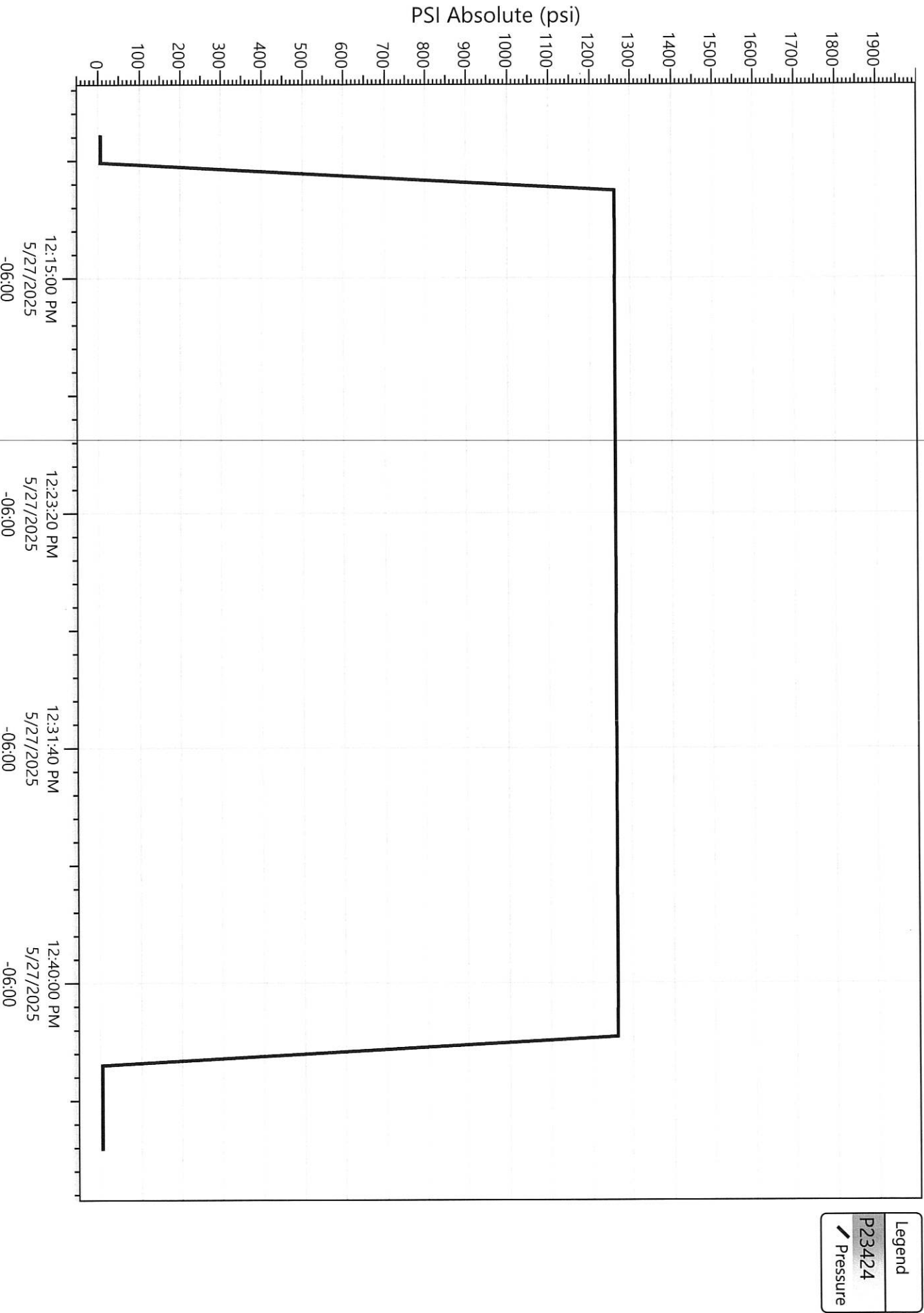
☐ NO - why not?

☐ Data Entry

☐ Compliance Staff

☐ 2<sup>nd</sup> Data Entry

☐ Hardcopy Filing



Sundry Number: 136846 API Well Number: 43047358400000