

001

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

2. NAME OF OPERATOR Inland Production Company
3. ADDRESS OF OPERATOR Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)
At Surface SW/SW BHL: 662' FSL 613' FWL 580552 X-110.05540
At proposed Prod. Zone NW/SW Surface: 2206' FSL 655' FWL 443097 Y 40.07318 580565 Y -110.05519

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* Approximately 12.1 miles south of Myton, Utah

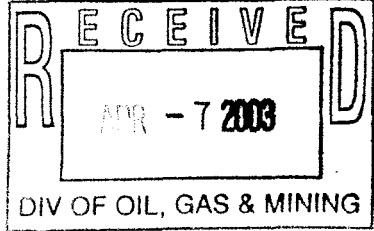
15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 613' f/lse line & 613' f/unit line
16. NO. OF ACRES IN LEASE 1,177.07
17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 1,586'
19. PROPOSED DEPTH 6500'
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5363' GR
22. APPROX. DATE WORK WILL START\* 2nd Quarter 2003

23. PROPOSED CASING AND CEMENTING PROGRAM
Table with columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Content: Refer to Monument Butte Field SOP's Drilling Program/Casing Design

Inland Production Company proposes to drill this well in accordance with the attached exhibits.
The Conditions of Approval are also attached.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Mando Cozies TITLE Regulatory Specialist DATE 4/4/03

PERMIT NO. 43-013-32445 APPROVAL DATE
Application approval does not warrant or certify that the applicant holds legal or equitable title in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY [Signature] TITLE BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III DATE 04-15-03

Federal Approval of this Action is Necessary

\*See Instructions On Reverse Side

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

T8S, R17E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, SAND WASH UNIT  
 #13-31-8-17 (L31), LOCATED AS SHOWN  
 IN LOT 5 OF SECTION 31, T8S, R17E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH:

NOTE:

The bottom of hole bears S01°34'06"W  
 1544.95' from the top of hole.

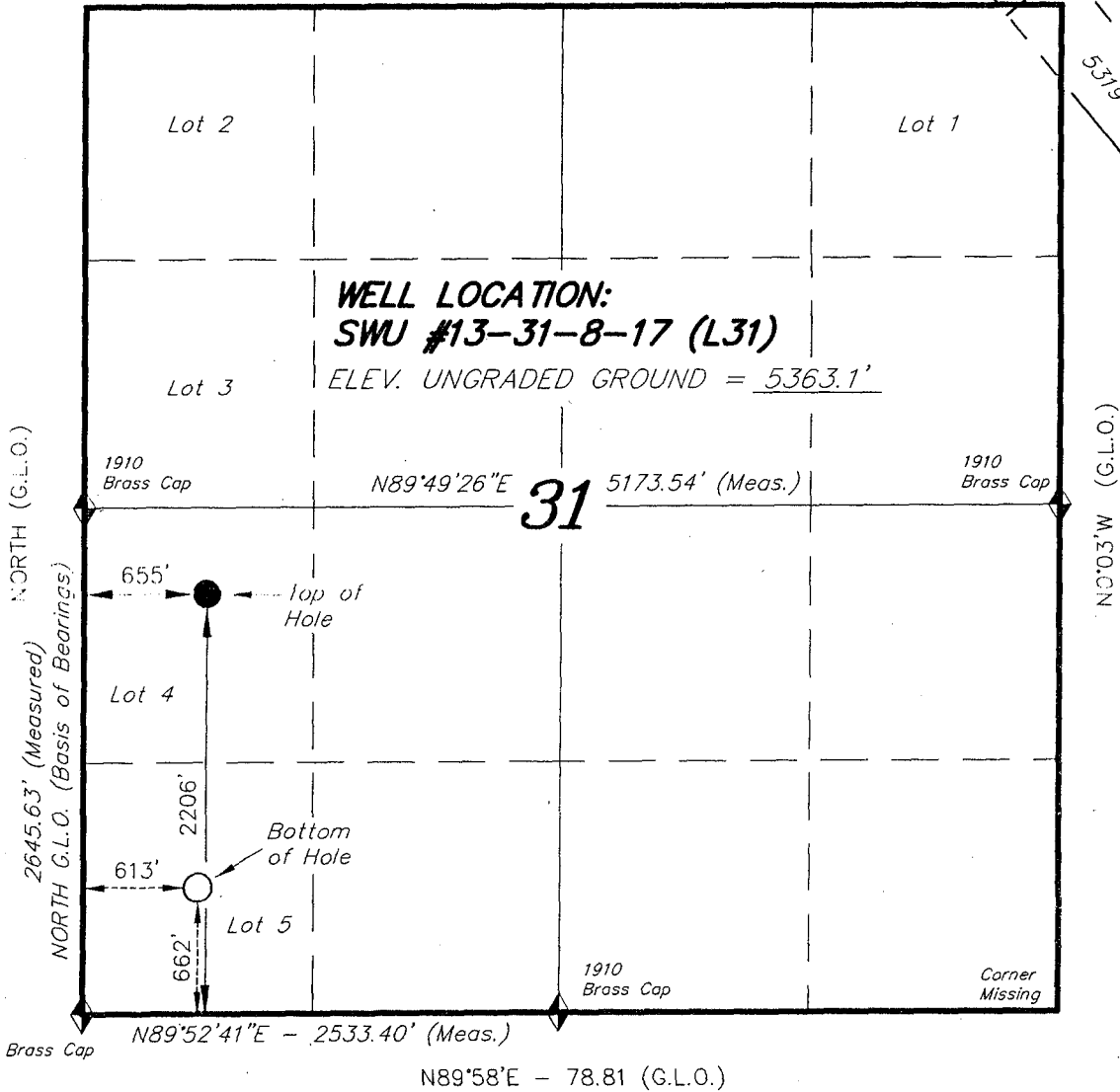
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF LAND SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

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

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

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 12-26-02	DRAWN BY: J.R.S.
NOTES:	FILE #

N89°51'E - 78.20 (G.L.O.)



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

SWU #13-31-8-17 (L31)  
 (Surface Location)  
 LATITUDE = 40° 04' 23.32"  
 LONGITUDE = 110° 03' 21.60"

## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
 Utah State Office  
 P.O. Box 45155  
 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
 3160  
 (UT-922)

April 15, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District  
 From: Michael Coulthard, Petroleum Engineer  
 Subject: 2003 Plan of Development, Sand Wash Unit  
 Duchesne County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2002 within the Sand Wash Unit, Duchesne County, Utah.

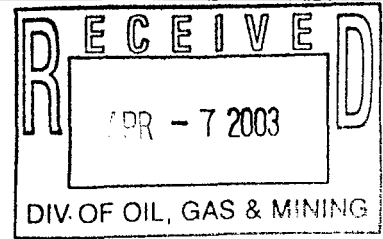
API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32443	Sand Wash Fed 14-31-8-17 Sec. 31 T08S	R17E 1982 FSL 1954 FWL BHL 0662 FSL 1879 FWL
43-013-32445	Sand Wash Fed 13-31-8-17 Sec. 31 T08S	R17E 2206 FSL 0655 FWL BHL 0662 FSL 0613 FWL
43-013-32444	Sand Wash Fed 11-31-8-17 Sec. 31 T08S	R17E 2012 FSL 1953 FWL
43-013-32446	Sand Wash Fed 12-31-8-17 Sec. 31 T08S	R17E 2236 FSL 0654 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Sand Wash Unit  
 Division of Oil Gas and Mining  
 Agr. Sec. Chron  
 Fluid Chron

MCoulthard:mc:4-15-3



April 4, 2003

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

RE: Applications for Permit to Drill: Sand Wash Federal 12-31-8-17 and 13-31-8-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 12-31-8-17 will require a Justification for Exception Location. I have notified Jeff Fandrich in our Denver Office. He will send that in to you sometime within the next week. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures



**INLAND PRODUCTION COMPANY  
SAND WASH FEDERAL #13-31-8-17  
SW/SW SECTION 31, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

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

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

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

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

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

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY  
SAND WASH FEDERAL #13-31-8-17  
SW/SW SECTION 31, T8S, R17E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Sand Wash Federal #13-31-8-17 located in the SW ¼ SW ¼ of Section 31, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles ± to its junction with an existing dirt road to the southwest; proceed southwesterly - 1.2 miles ± to its junction with the beginning of the proposed access road; proceed along the proposed access road - 200' ± to the proposed well pad.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

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

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Paleontological Resource Survey and Archaeological Resource Survey for this area are on file with the Bureau of Land Management.

Inland Production Company requests a 60' ROW for the Sand Wash Federal #13-31-8-17 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Sand Wash Federal #13-31-8-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

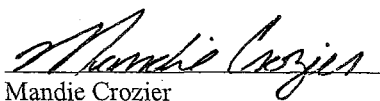
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #13-31-8-17 SW/SW Section 31, Township 8S, Range 17E: Lease UTU-74869 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/4/03

Date

  
Mandie Crozier  
Regulatory Specialist

Well No.: Sand Wash Federal #13-31-8-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Sand Wash Federal #13-31-8-17

API Number:

Lease Number: UTU-74869

Location: SW/SW

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

**CULTURAL RESOURCES**

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

**PALEONTOLOGICAL RESOURCES**

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

**SOILS, WATERSHEDS, AND FLOODPLAINS**

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

**WILDLIFE AND FISHERIES**

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

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

**FERRUGINOUS HAWK:** Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 15 and May 30. If the nest remains inactive on May 30<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. If new construction or surface disturbing activities are scheduled between April

1 and July 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 July 15 within a 0.5 mile radius of any active burrowing owl nest.

**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 2002 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.

#### LOCATION AND RESERVE PIT RECLAMATION

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

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

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

Gardner saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Mat saltbush	<i>Atriplex corrugata</i>	4 lbs/acre
Galleta grass	<i>Hilaria jamesii</i>	4 lbs/acre

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

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

#### PIPELINES

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

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

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with buried pipelines will be completed within 10 days after installation. The surface will be

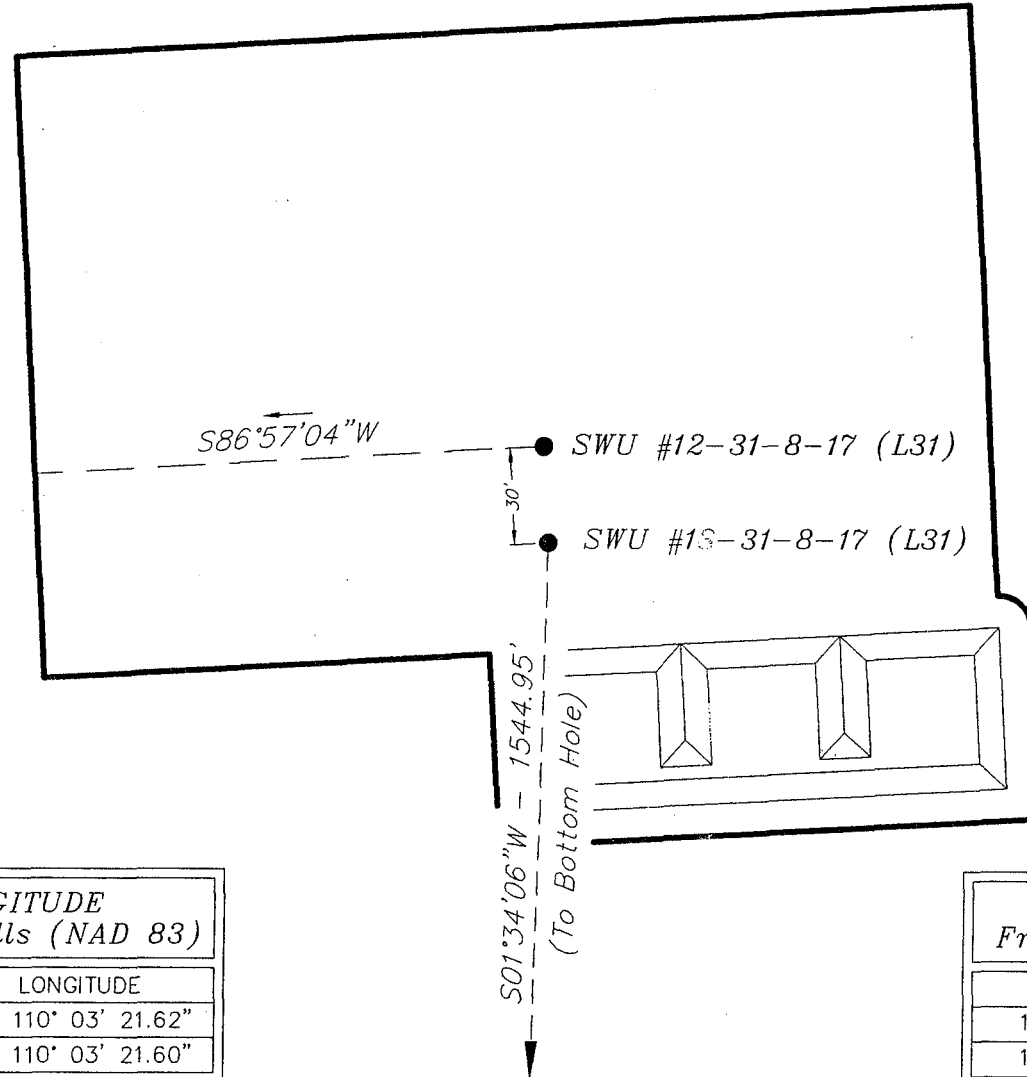
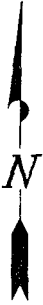
recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the reserve pit and well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

# INLAND PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

WELL PAD (L31-8-17)

Section 31, T8S, R17E, S.L.B.&M.



**TOP HOLE FOOTAGES**

SWU #12-31-8-17 (L31)  
2236' FSL & 654' FWL

SWU #13-31-8-17 (L31)  
2206' FSL & 655' FWL

**BOTTOM HOLE FOOTAGES**

SWU #12-31-8-17 (L31)  
Vertical

SWU #13-31-8-17 (L31)  
662' FSL & 613' FWL

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
12-31	40° 04' 23.61"	110° 03' 21.62"
13-31	40° 04' 23.32"	110° 03' 21.60"

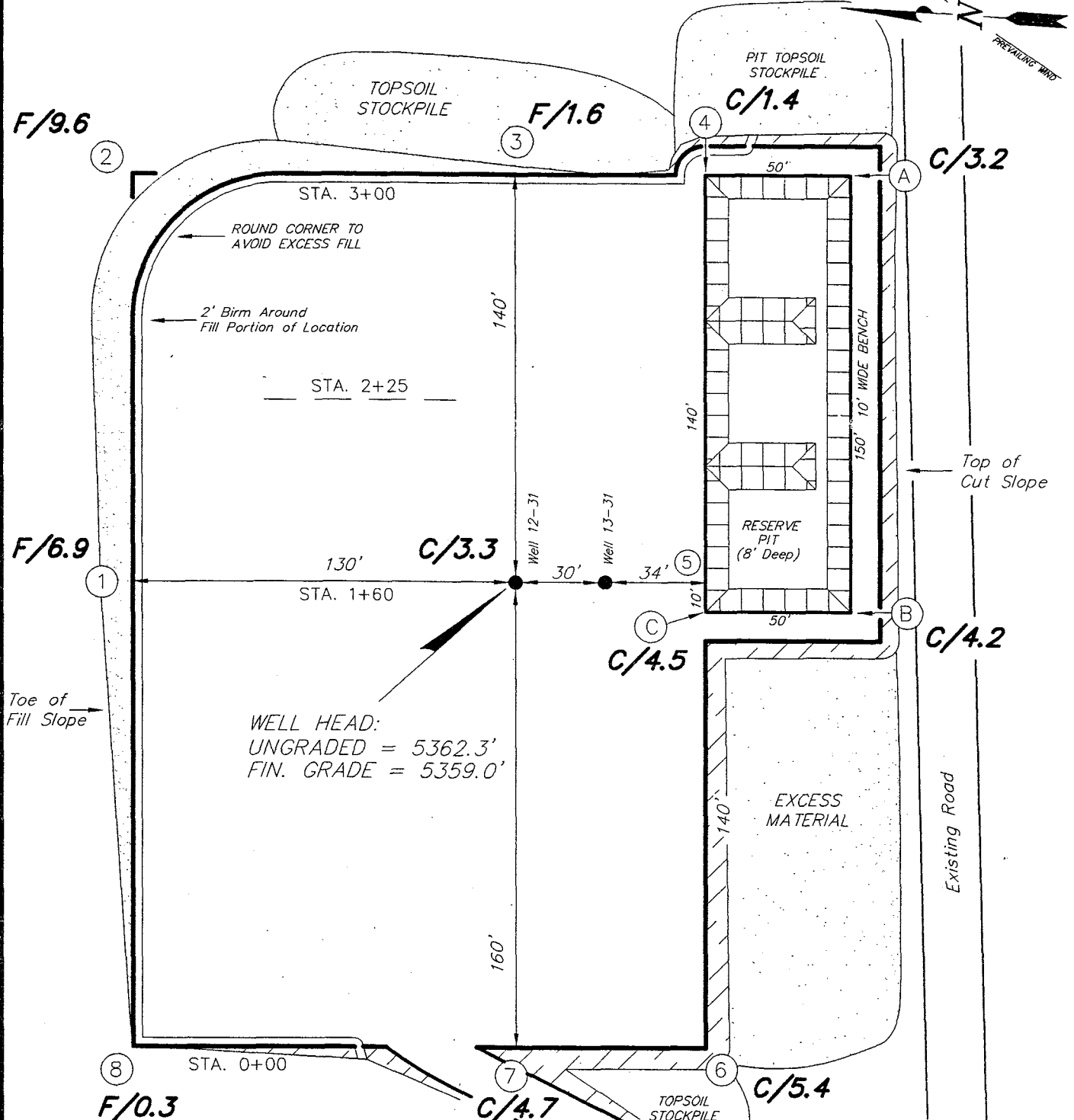
RELATIVE COORDINATES From top hole to bottom hole		
WELL	NORTH	EAST
12-31	VERTICAL	
13-31	-1,545'	-42'

SURVEYED BY: D.J.S.	SCALE: 1" = 60'
DRAWN BY: J.R.S.	DATE: 12-27-02

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

# INLAND PRODUCTION COMPANY

WELL PAD (L31-8-17)  
SEC. 31, T8S, R17E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5362.3'  
FIN. GRADE = 5359.0'

REFERENCE POINTS	
190' EAST	= 5357.4'
240' EAST	= 5354.8'
180' NORTH	= 5349.7'
230' NORTH	= 5348.8'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 12-27-02

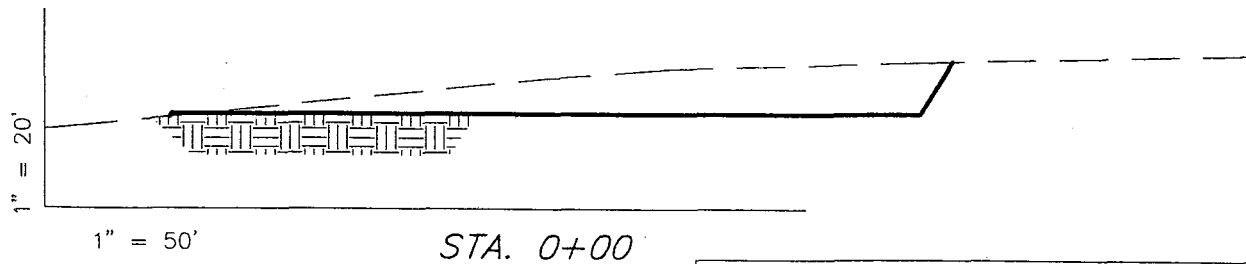
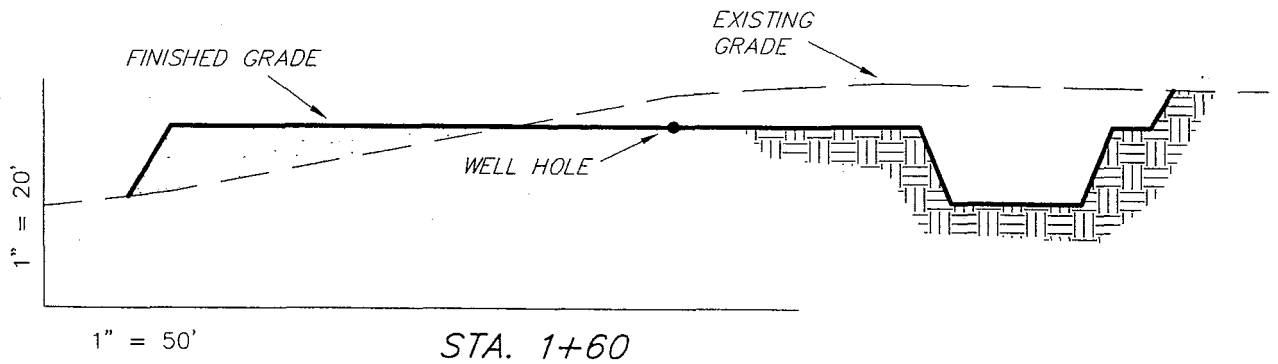
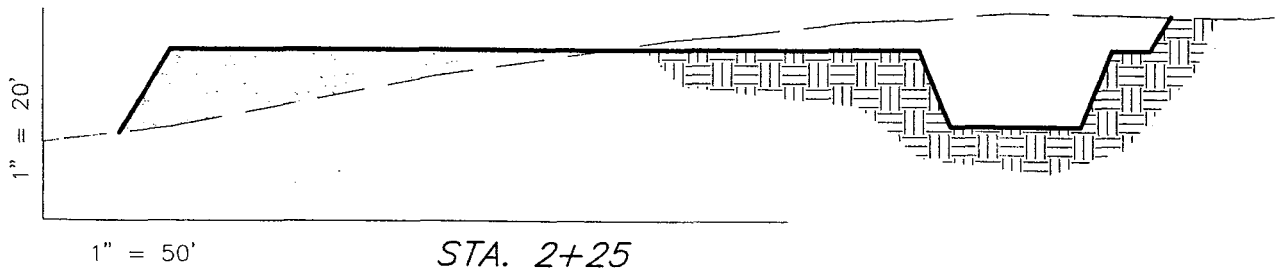
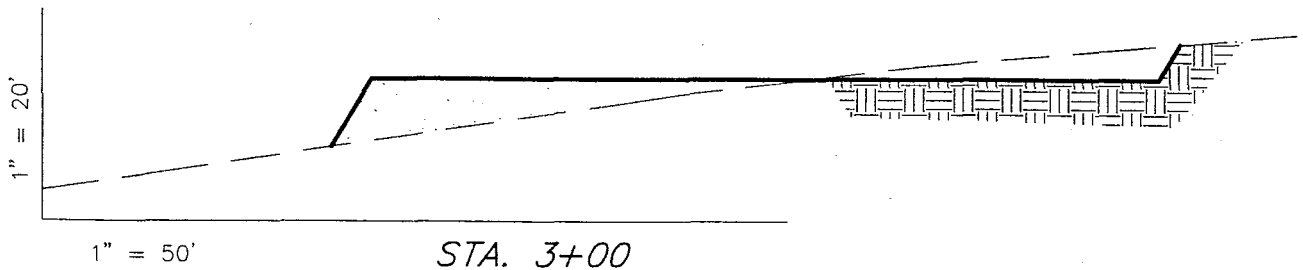
**Tri State**  
Land Surveying, Inc.  
38 WEST 100 NORTH VERNAL, UTAH 84078  
(435) 781-2501



# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### WELL PAD (L31-8-17)



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

ESTIMATED EARTHWORK QUANTITIES				
(Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,180	4,180	Topsoil is not included in Pad Cut	0
PIT	1,620	0		1,620
TOTALS	5,800	4,180	1,270	1,620

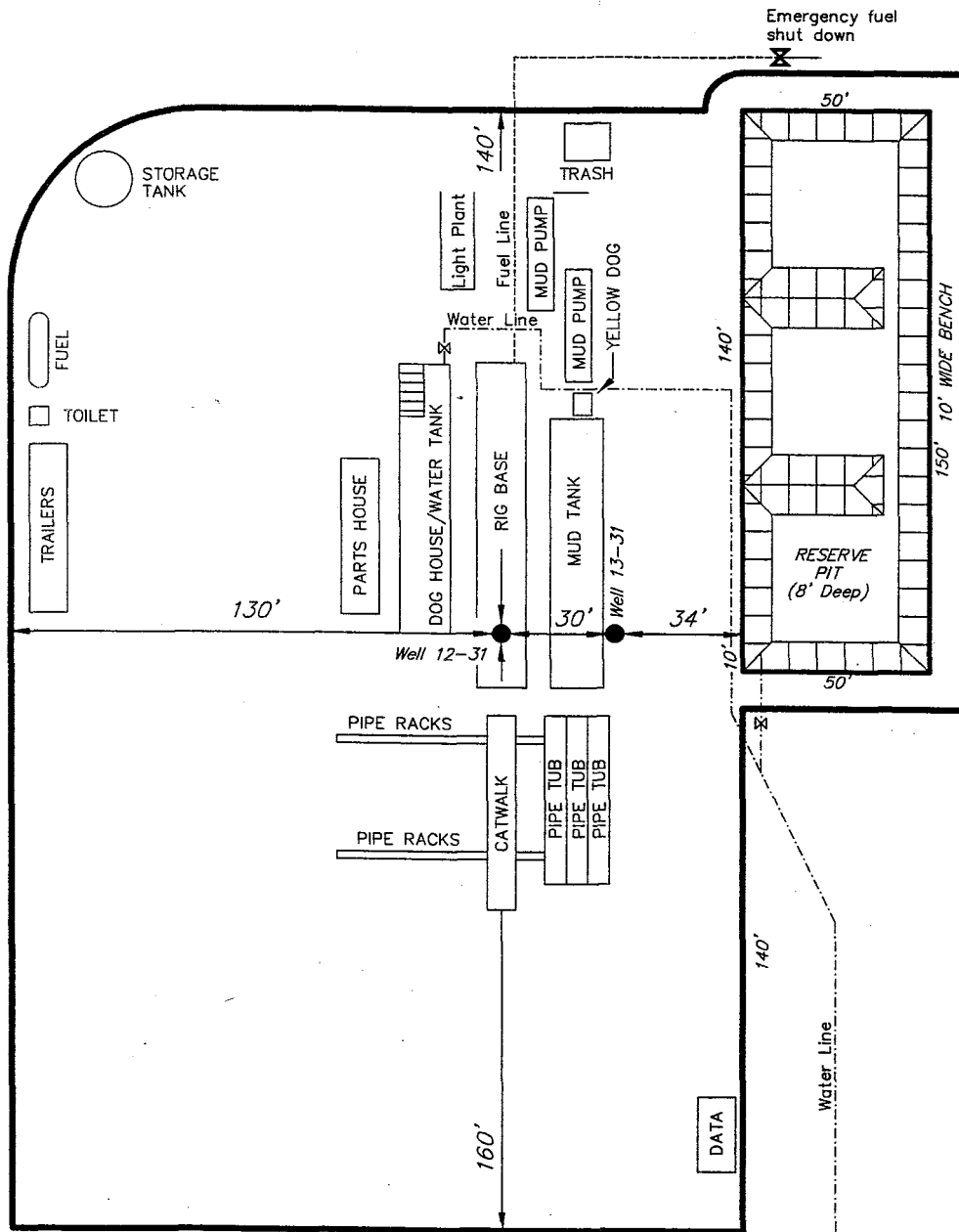
SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 12-27-02

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

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### WELL PAD (L31-8-17)



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

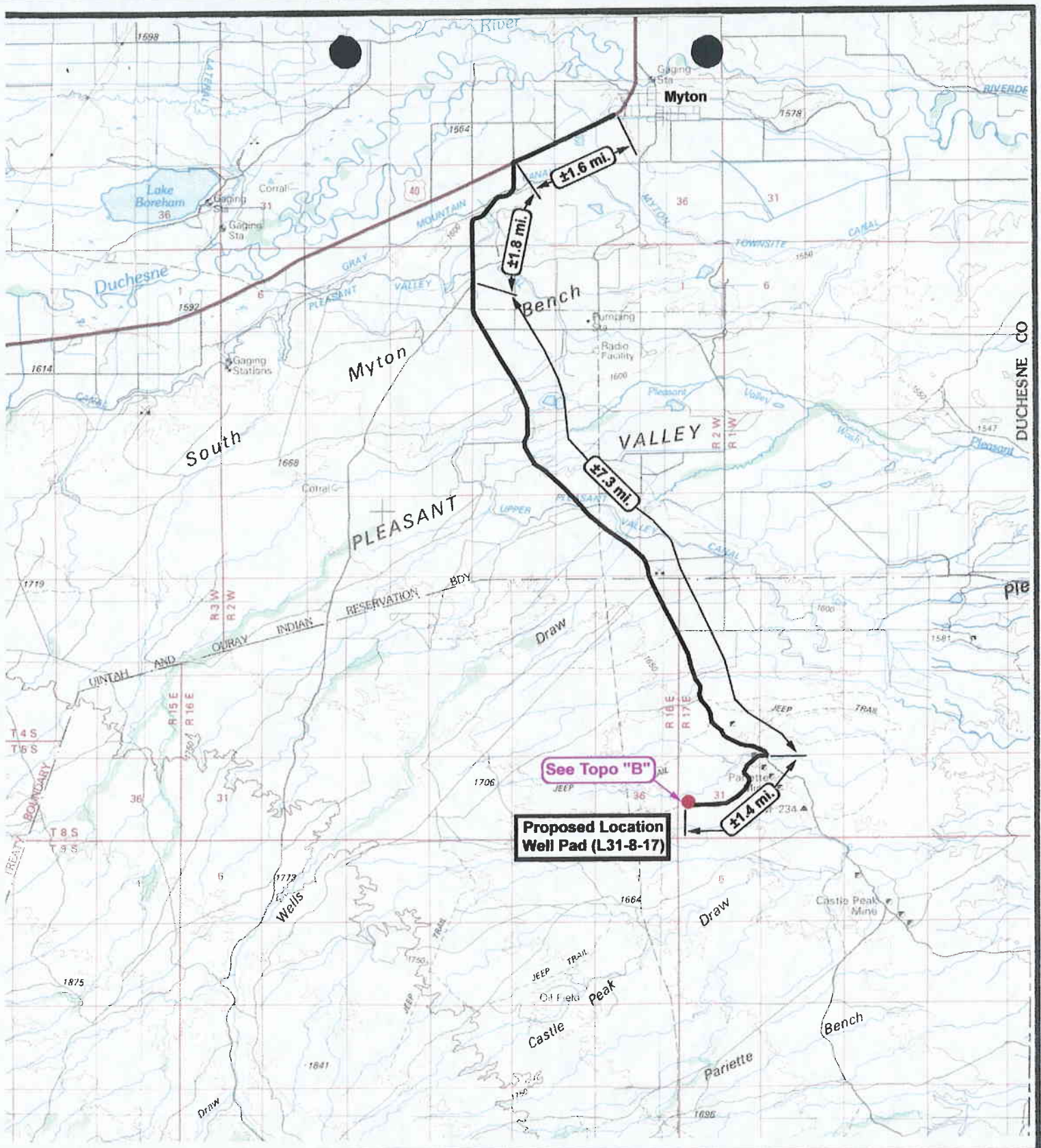
DRAWN BY: J.R.S.

DATE: 12-27-02

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



**Well Pad (L31-8-17)**  
**SEC. 31, T8S, R17E, S.L.B.&M.**



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

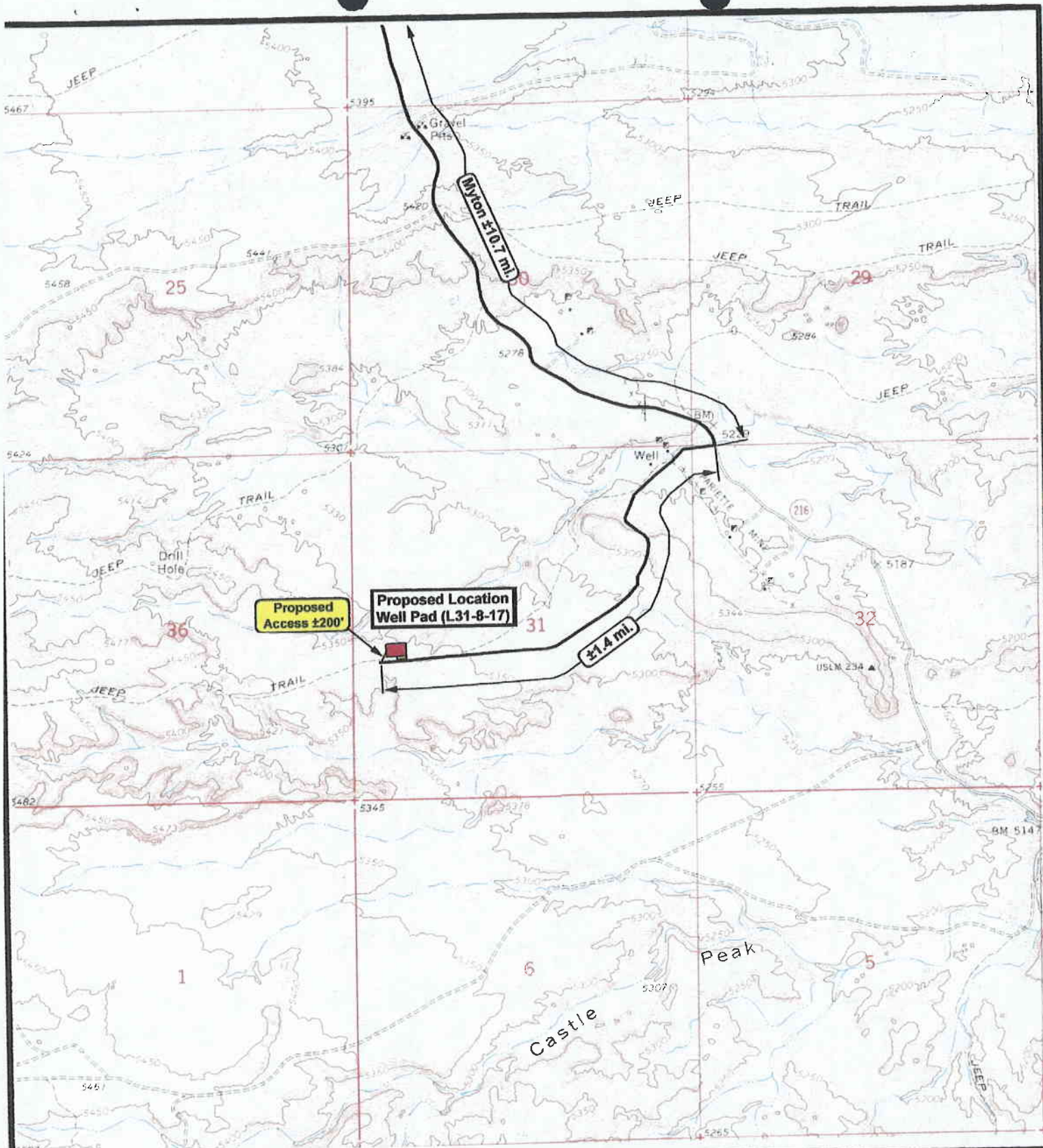
SCALE: 1 = 100,000  
 DRAWN BY: R.A.B.  
 DATE: 12-28-2002

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**





Proposed Access ±200'

Proposed Location Well Pad (L31-8-17)

±1.4 mi

Myton ±10.7 mi



**Well Pad (L31-8-17)  
SEC. 31, T8S, R17E, S.L.B.&M.**



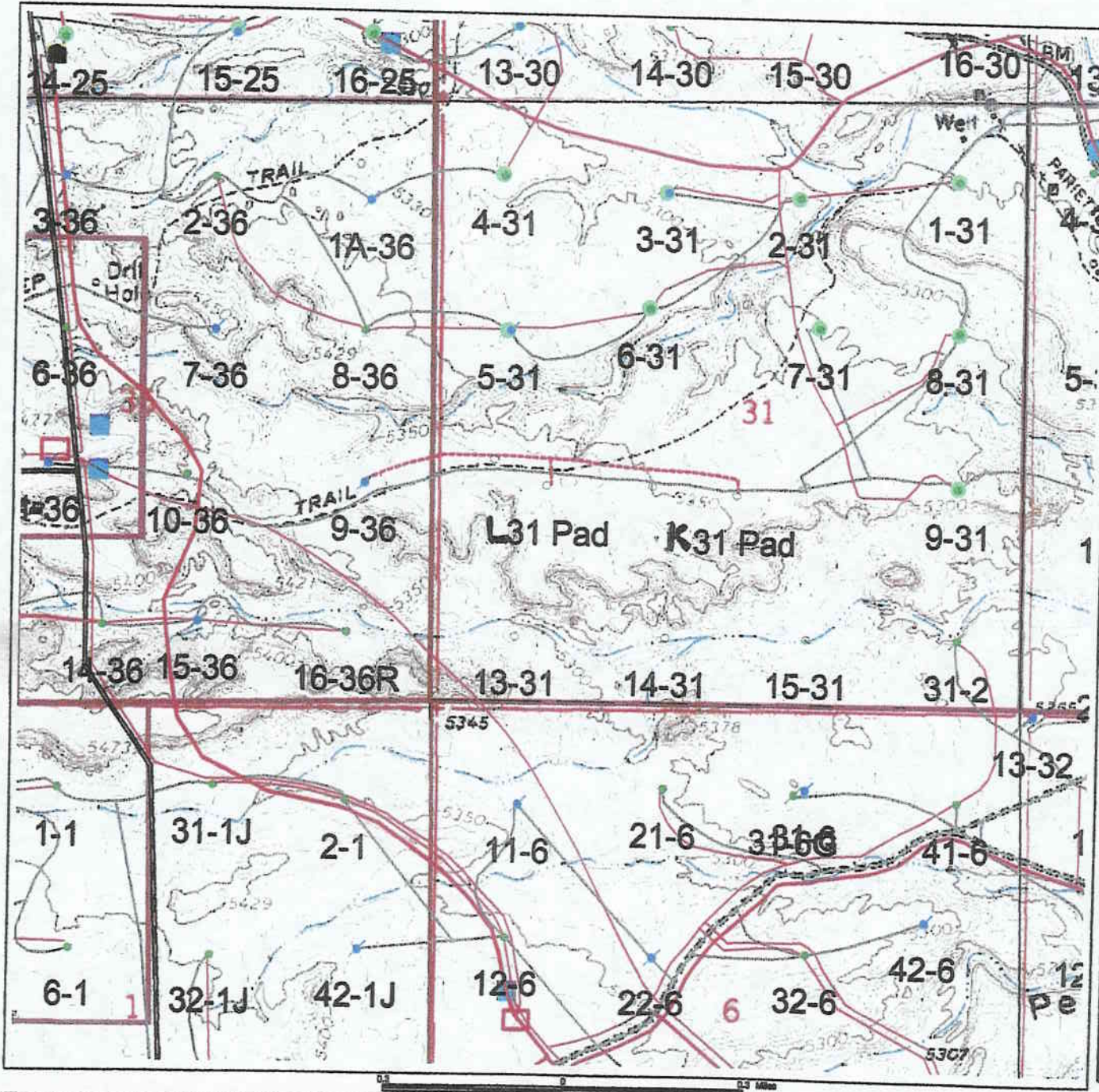
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: R.A.B.  
DATE: 12-28-2002

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP  
**"B"**





- Pending Gasline ROW
- Approved Gasline ROW
- Compressor Stations
- Gas 10 Inch
- Gas 6 Inch and larger
- Proposed 6 Inch Gas
- Gas 4 Inch and Smaller
- Proposed Gas
- Gas Buried
- Petroglyph Gasline
- Questar Gasline
- Compressors - Other
- Fuel Gas Meters
- Proposed EA Water
- Water 3 inch - High Pressure
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private
- Unit Sections
- Existing Units
- Proposed Units



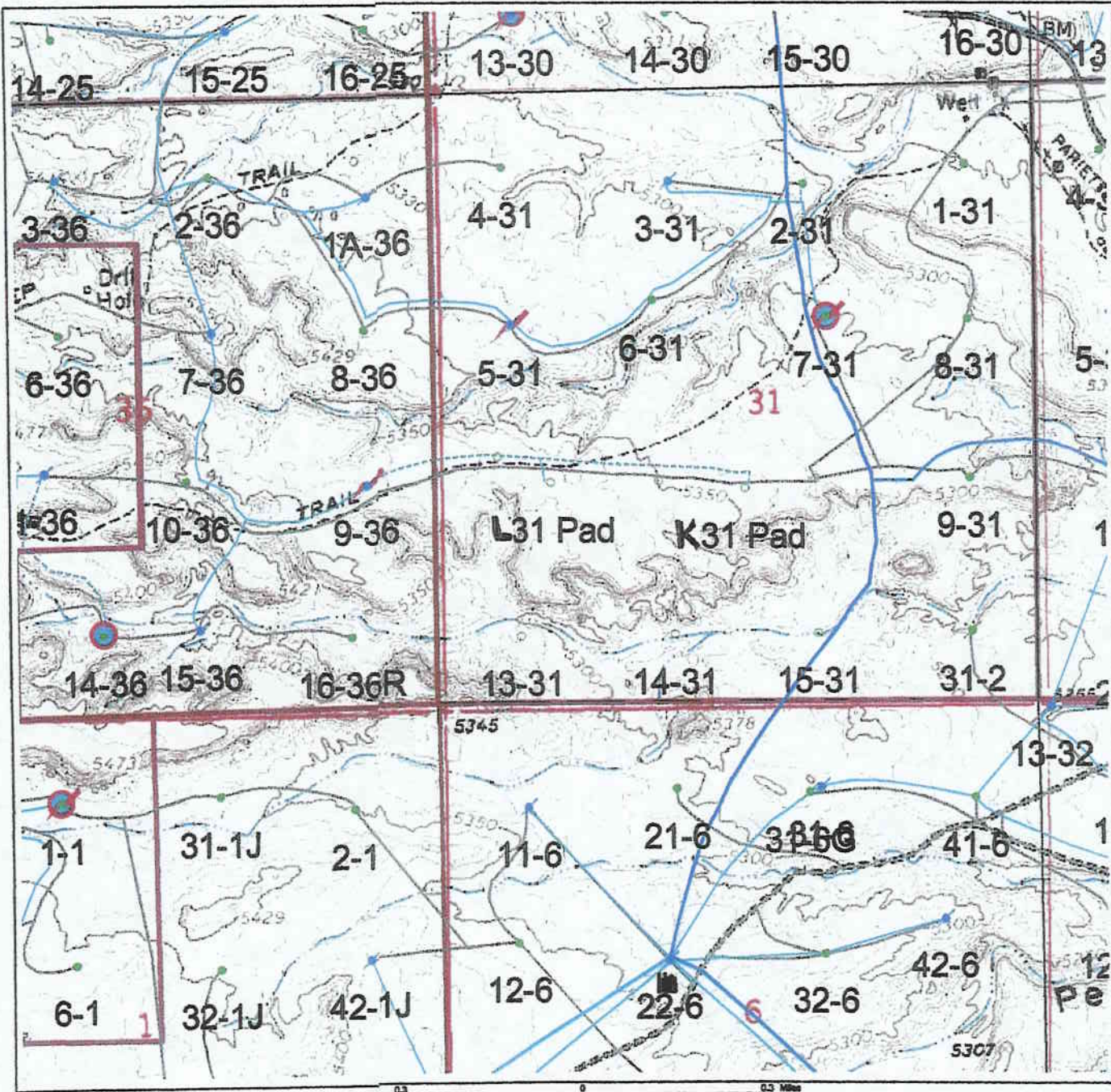
**Inland**  
410 17<sup>th</sup> Street Suite 308  
Denver, Colorado 80202  
Phone: (303) 555-0192

**Gas Pipeline Map**  
UINTA BASIN, UTAH  
Duchesne & Uintah Counties, Utah

© 2001 Inland

November 12, 2001






- Water Taps
- 2001 Injection Conversion Program
- Pending Waterline ROW
- Approved Waterline ROW
- Approved Water Injection Permit
- Water Injection Permit Pending

- Proposed EA Water
- Water 8 Inch
- Water 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water 3 Inch - High Pressure
- Water 2 to 3 Inch
- Proposed Water
- Johnson Water Line
- Injection Stations
- Pump Stations
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private
- Unit Sections**
- Existing Units
- Proposed Units





410 17<sup>th</sup> Street Suite 700  
Denver, Colorado 80202  
Phone: (303) 493-0102

**Water Pipeline Map**

UINTA BASIN, UTAH

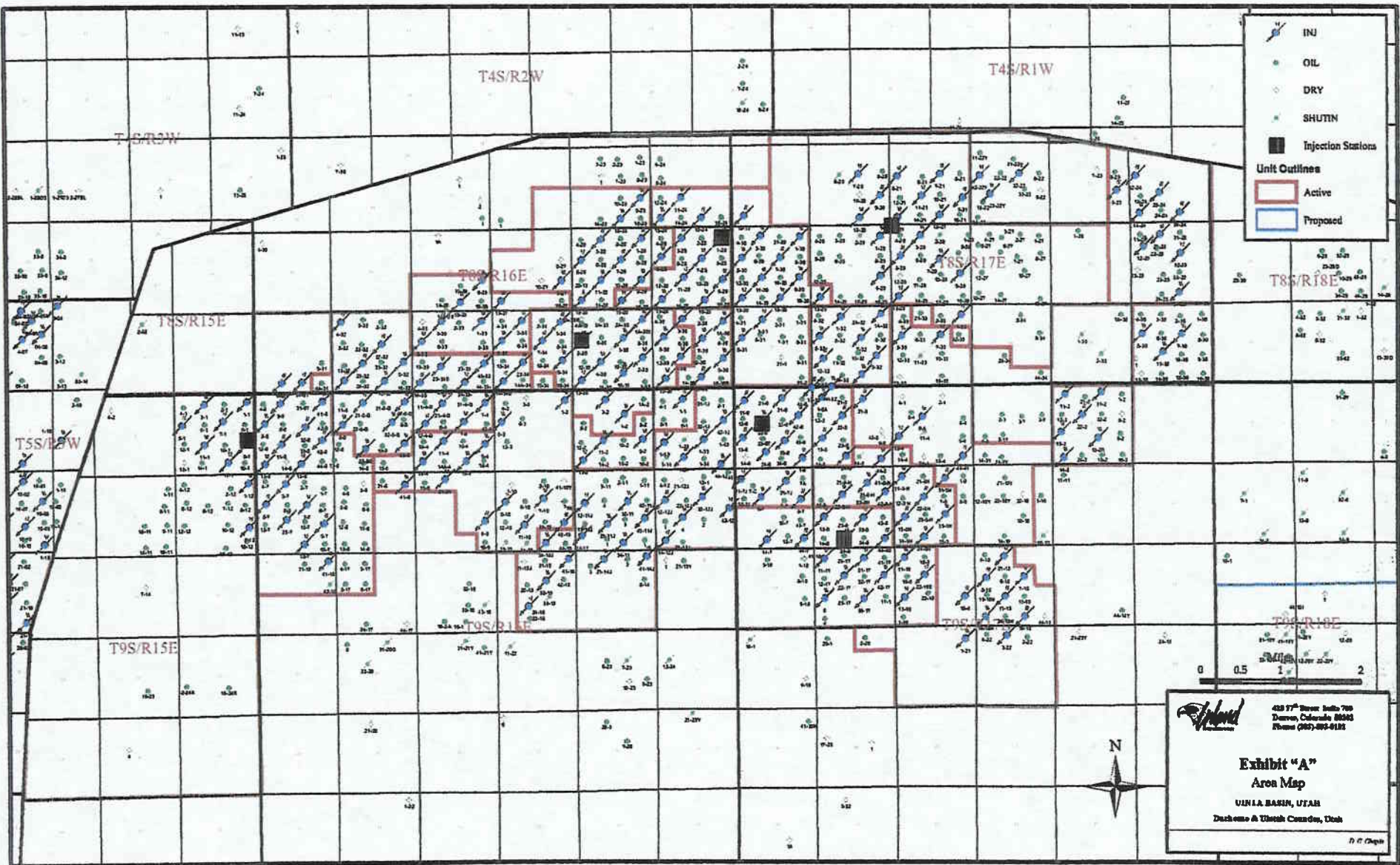
Duchesne & Uintah Counties, Utah

LTC Design



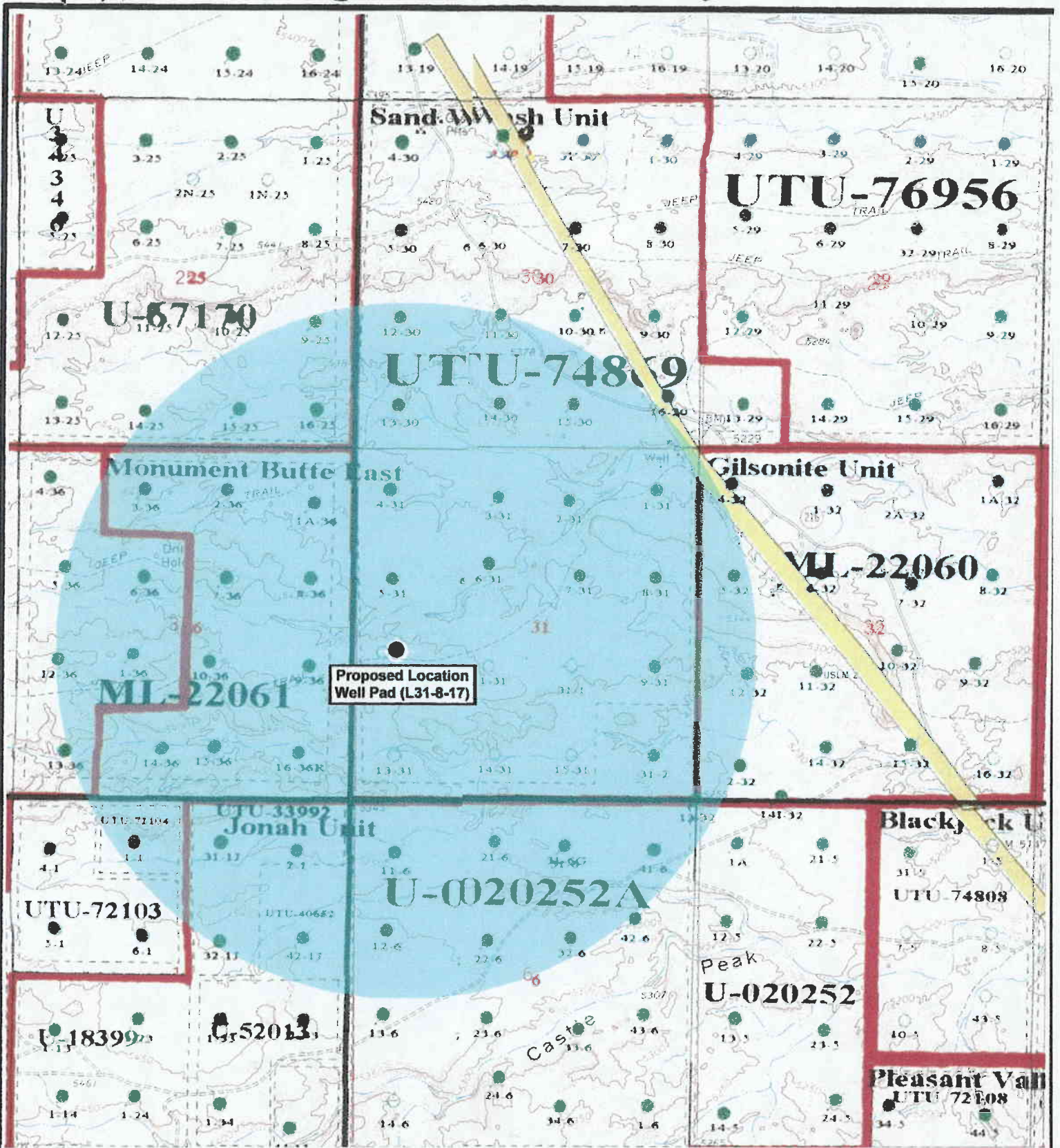
November 12, 2001





January 15, 2003





**Proposed Location Well Pad (L31-8-17)**



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

**Legend**

- Proposed Location
- One-Mile Radius

**Well Pad (L31-8-17)  
 SEC. 31, T8S, R17E, S.L.B.&M.**

SCALE: 1" = 2,000'  
 DRAWN BY: R.A.B.  
 DATE: 12-28-2002

**Exhibit "B"**



# 2-M SYSTEM

Blowout Prevention Equipment Systems

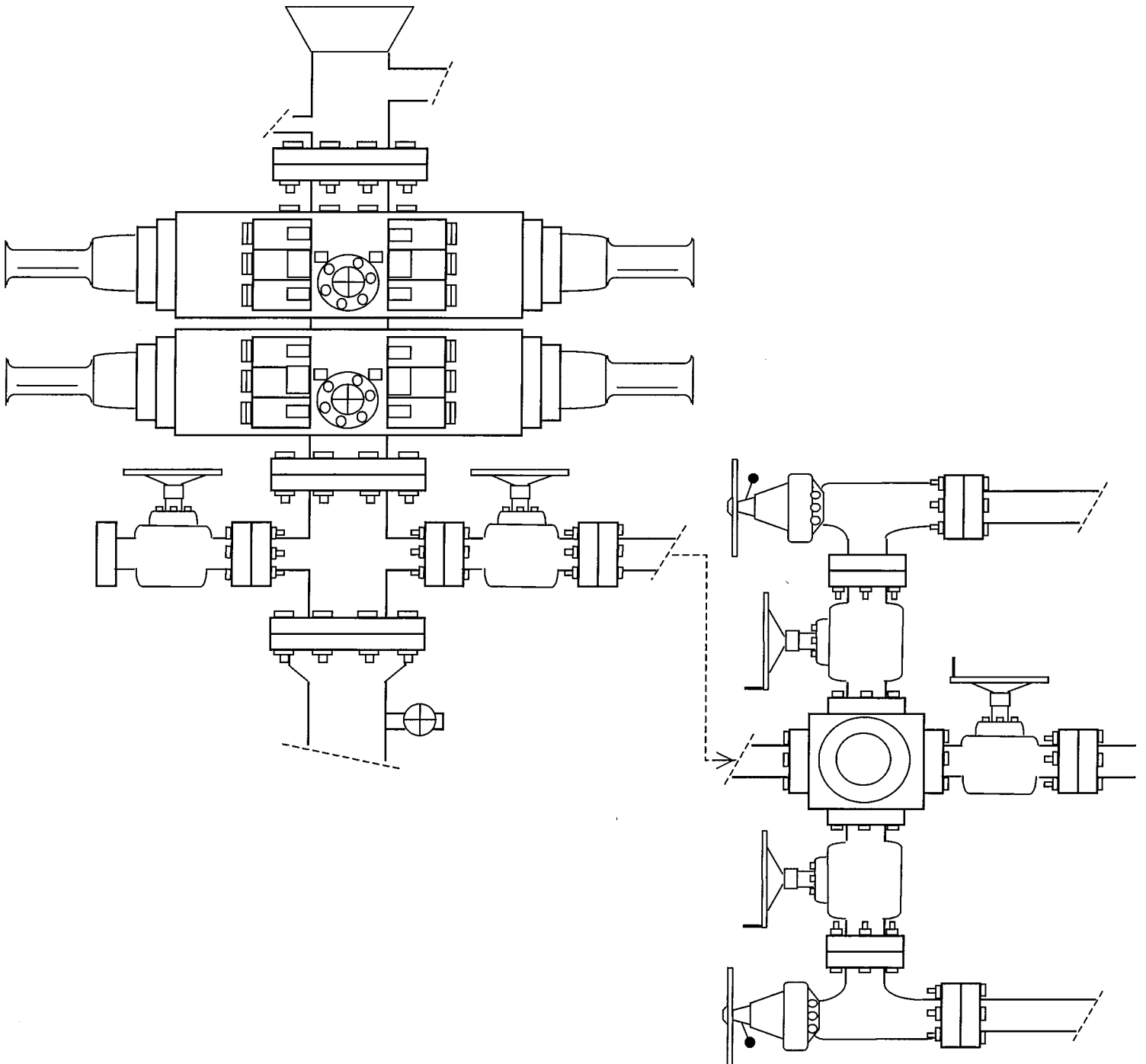


EXHIBIT C

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/07/2003

API NO. ASSIGNED: 43-013-32445

WELL NAME: SAND WASH FED 13-31-8-17

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 31 080S 170E  
SURFACE: 2206 FSL 0655 FWL  
*SWSW* BOTTOM: 0662 FSL 0613 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74869

SURFACE OWNER: 1 - Federal

LATITUDE: 40.06894

PROPOSED FORMATION: GRRV

LONGITUDE: 110.05540

RECEIVED AND/OR REVIEWED:

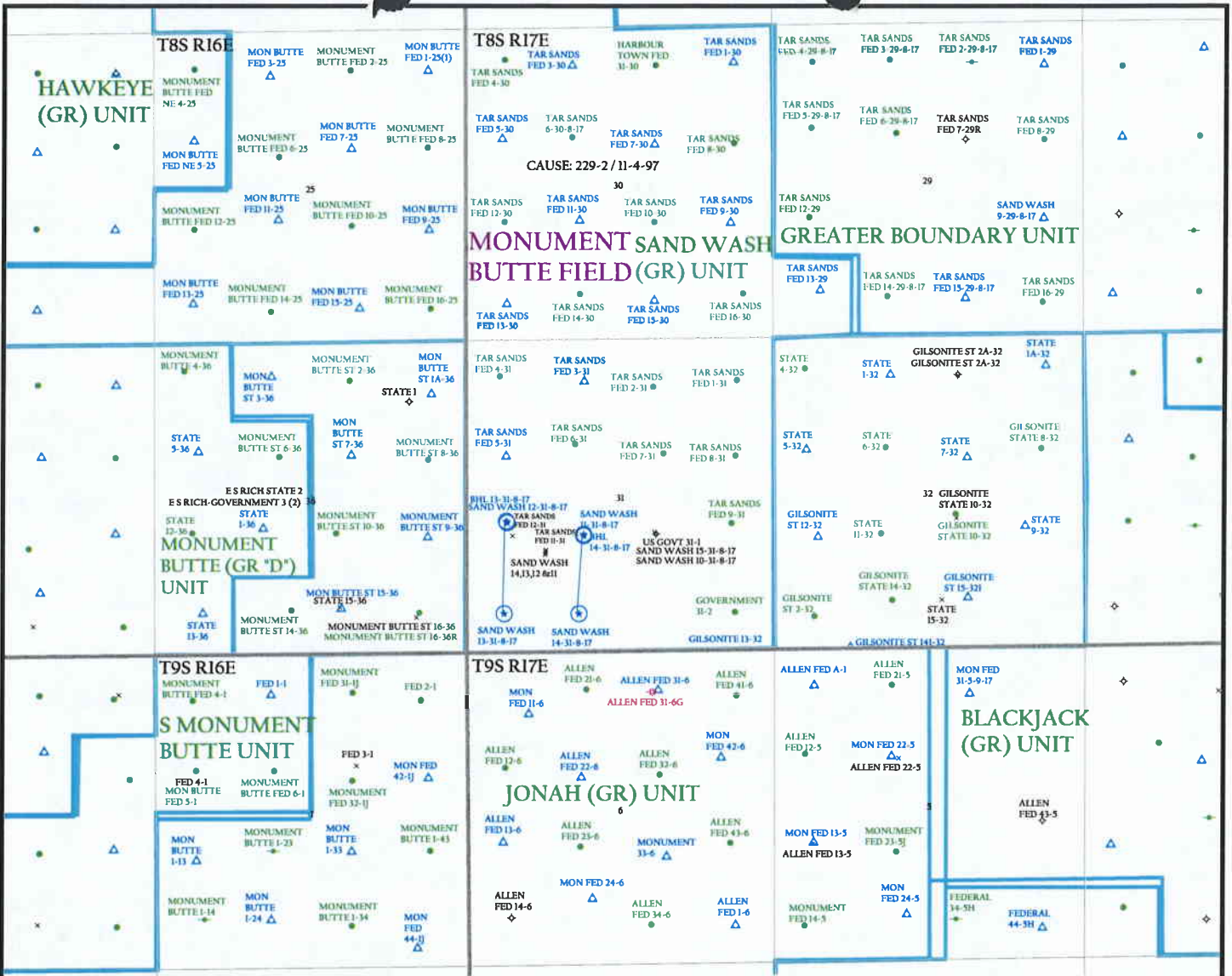
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit SAND WASH (GREEN RIVER)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 229-2  
Eff Date: 11-4-97  
Siting: *Suspends General Siting*
- R649-3-11. Directional Drill

COMMENTS: *Sep, Separate files*

STIPULATIONS: *1- Federal Approval*



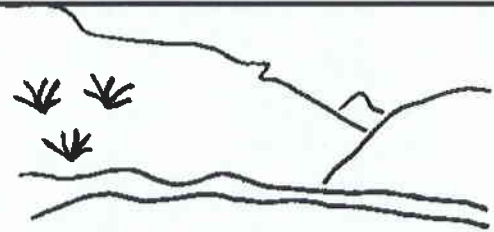
OPERATOR: INLAND PRODUCTION (N5160)

SEC. 31 T8S, R17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 229-2 / 11-4-97



Utah Oil Gas and Mining

WELLS

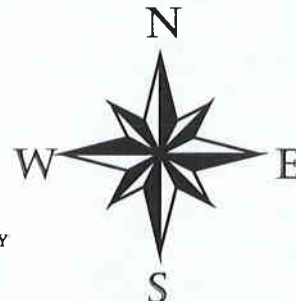
- ⚡ GAS INJECTION
- ⦿ GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◊ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- ➔ SHUT-IN GAS
- ➔ SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- ◆ WATER SUPPLY
- ↘ WATER DISPOSAL

UNIT STATUS

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

FIELD STATUS

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



PREPARED BY: DIANA MASON  
DATE: 8-APRIL-2003



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

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

April 15, 2003

Inland Production Company  
Route #3, Box 3630  
Myton, UT 84052

Re: Sand Wash Federal 13-31-8-17 Well, Surface Location 2206' FSL, 655' FWL, NW SW, Sec. 31, T. 8 South, R. 17 East, Bottom Location 662' FSL, 613' FWL, SW SW, Sec. 31, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32445.

Sincerely,

for John R. Baza  
Associate Director

pab  
Enclosures

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

**Operator:** Inland Production Company  
**Well Name & Number** Sand Wash Federal 13-31-8-17  
**API Number:** 43-013-32445  
**Lease:** UTU-74869

**Surface Location:** NW SW      **Sec.** 31      **T.** 8 South      **R.** 17 East  
**Bottom Location:** SW SW      **Sec.** 31      **T.** 8 South      **R.** 17 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. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

007

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Budget Bureau No. 1007-9100 Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

LEASE DESIGNATION AND SERIAL NO. UTU-74869

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

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]

7. UNIT AGREEMENT NAME Sand Wash

1b. TYPE OF WELL

OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [X]

8. FARM OR LEASE NAME WELL NO Sand Wash Federal #13-31-8-17

2. NAME OF OPERATOR Inland Production Company

9. API WELL NO. 43-013-132445

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

10. FIELD AND POOL OR WILDCAT Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface SW/SW BHL: 662' FSL 613' FWL At proposed Prod. Zone NW/SW Surface: 2206' FSL 655' FWL

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/SW Sec. 31, T8S, R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* Approximately 12.1 miles south of Myton, Utah

12. County Duchesne 13. STATE UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 613' f/lse line & 613' f/unit line

16. NO. OF ACRES IN LEASE 1,177.07

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 1,586'

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5363' GR

22. APPROX. DATE WORK WILL START\* 2nd Quarter 2003

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

The Conditions of Approval are also attached.

RECEIVED

JAN 22 2003

DIV. OF OIL, GAS & MINERAL

RECEIVED APR - 7 2003

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Regulatory Specialist DATE 4/14/03

NOTICE OF APPROVAL

PERMIT NO. APPROVAL DATE

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources DATE 1/13/04

\*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL ATTACHED

03-PS0370A

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company  
Well Name & Number: SAND WASH FEDERAL 13-31-8-17  
API Number: 43-013-32445  
Lease Number: UTU - 74869  
Surface Location: NWSW Sec. 31 TWN: 08S RNG: 17E  
Bottom Hole Location: SWSW Sec. 31 TWN: 08S RNG: 17E  
Agreement: SAND WASH UNIT

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm 1,571$  ft.

**CONDITIONS OF APPROVAL**  
**FOR THE SURFACE USE PROGRAM OF THE**  
**APPLICATION FOR PERMIT TO DRILL**

Ferruginous Hawks: The artificial nest which is in view of this well, shall be moved to a place buffered by topography. Inland shall contract the BLM wildlife biologist prior to moving the platform to determine where the platform shall be located. It is the responsibility of the operator to continue to maintain the other three existing nesting platforms in good condition. No construction or drilling shall be allowed between March 1 to July 15 to protect the birds during their nesting/ reproductive season. A hospital muffler or multi-cylinder engine shall be installed on the pumping unit to reduce noise levels in the area for potential nesting raptors. Also, the nests would be inspected prior to starting construction to determine if the nests are still inactive. If either of the nests were to become active, no drilling would be allowed until the active nest or nests were inactive for another two years.

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

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

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

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

Burrowing Owls: The proposed project shall avoid disturbance to prairie dogs holes by moving roads and locations where possible. No construction or drilling will be allowed during the nesting season of April 1 to Aug. 15. If operator would request to construct the location during the nesting season, a certified biologist could survey the area to determine if owls are present. If no owls were present in the proposed project area by May 30, construction could be allowed.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

008

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**UTU-74869**

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

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

8. Well Name and No.  
**SAND WASH FEDERAL 13-31-8-17**

9. API Well No.  
**43-013-32445**

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

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

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**2206 FSL 655 FWL SW/SW Section 31, T8S R17E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/15/03 (expiration 4/15/04).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-13-04  
By: [Signature]

RECEIVED

DIV. OF OIL, GAS & MINING

COPIES SENT TO OPERATOR  
DATE: 4-14-04  
INITIALS: CHD

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

Signed Mandie Crozier Title Regulatory Specialist Date 4/8/2004  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM



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

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

**API:** 43-013-32445  
**Well Name:** Sand Wash Federal 13-31-8-17  
**Location:** SW/SW Section 31, T8S R17E  
**Company Permit Issued to:** Inland Production Company  
**Date Original Permit Issued:** 4/15/2003

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 Crozier  
Signature

4/8/2004  
Date

Title: Regulatory Specialist

Representing: Inland Production Company



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

**OPERATOR CHANGE WORKSHEET**

**010**

Change of Operator (Well Sold)

Designation of Agent/Operator

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**SAND WASH (GREEN RIVER)**

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
SAND WASH FED 11-19-8-17	19	080S	170E	4301332374	12308	Federal	OW	DRL	K
SAND WASH FED 12-19-8-17	19	080S	170E	4301332375		Federal	OW	APD	K
SAND WASH FED 14-19-8-17	19	080S	170E	4301332376	12308	Federal	OW	DRL	K
TAR SANDS FED 13-29	29	080S	170E	4301331925	12308	Federal	WI	A	
TAR SANDS FED 8-30	30	080S	170E	4301331870	12308	Federal	OW	P	
TAR SANDS FED 9-30	30	080S	170E	4301331873	12308	Federal	WI	A	
TAR SANDS FED 15-30	30	080S	170E	4301331874	12308	Federal	WI	A	
TAR SANDS FED 1-30	30	080S	170E	4301331898	12308	Federal	WI	A	
TAR SANDS FED 2-31	31	080S	170E	4301331866	12308	Federal	OW	P	
SAND WASH FED 14-31-8-17	31	080S	170E	4301332443		Federal	OW	APD	K
SAND WASH FED 11-31-8-17	31	080S	170E	4301332444	12308	Federal	OW	P	K
SAND WASH FED 13-31-8-17	31	080S	170E	4301332445		Federal	OW	APD	K
SAND WASH FED 12-31-8-17	31	080S	170E	4301332446	12308	Federal	OW	P	K
SAND WASH FED 15-31-8-17	31	080S	170E	4301332448		Federal	OW	APD	K
SAND WASH FED 10-31T-8-17	31	080S	170E	4301332449	12308	Federal	OW	P	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

009

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**UTU-74869**

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

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

8. Well Name and No.  
**SAND WASH FEDERAL 13-31-8-17**

9. API Well No.  
**43-013-32445**

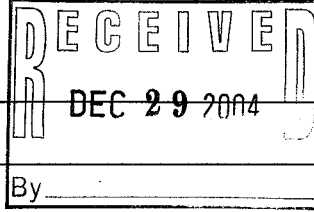
10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well     Gas Well     Other



2. Name of Operator  
**INEWFIELD 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)  
**2206 FSL 655 FWL SW/SW Section 31, T8S R17E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 1/13/04 (expiration 1/13/05).

CONDITIONS OF APPROVAL ATTACHED

RECEIVED  
MAR 0 / 2005

DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 12/28/2004  
Mandie Crozier

CC: UTAH DOGM **Michael Lee**  
(This space for Federal or State office use) **Petroleum Engineer**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date FEB 17 2005

Conditions of approval, if any:

CC: UTAH DOGM

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



I Newfield Production Co.  
APD Extension

Well: Sand Wash Federal 13-31- 8-17

Location: SWSW Sec. 31, T08S, R17E

Lease: U-74869

**Conditions of Approval**

An extension for the referenced APD is granted with the following condition(s):

1. The extension will expire 1/13/2006
2. No other extensions beyond that period will be granted or allowed.

If you have any other questions concerning this matter, please contact Michael Lee at (435) 781-4432.

2005-02-17

RECEIVED  
MAR 0 / 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**012 SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74869**

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

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

8. Well Name and No.  
**SAND WASH FEDERAL 13-31-8-17**

9. API Well No.  
**43-013-32445**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**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)  
**2206 FSL 655 FWL N/4SW/SW Section 31, T8S R17E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/15/03 (expiration 4/13/05).

This APD is not yet due to expire with the BLM.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 04-14-05  
By: [Signature]

COPIES SENT TO OPERATOR  
Date: 4-14-05  
Inspector: CHO

**RECEIVED**  
**APR 11 2005**  
DIV OF OIL, GAS & MINING

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

Signed [Signature] Title Regulatory Specialist Date 4/7/2005  
Mandie Crozier

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:** 43-013-32445  
**Well Name:** Sand Wash Federal 13-31-8-17  
**Location:** NW/4 SW/4 SW Section 31, T8S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 4/15/2003

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 Crozier  
Signature

4/7/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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APR 11 2005  
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.

5. Lease Serial No.  
UTU74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
SANDWASH FEDERAL 13-31-8-17

9. API Well No.  
4301332445

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**STANDARD INSTRUCTIONS - 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)  
2206 FSL 655 FWL  
SW/SW Section 31 T8S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	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 1-5-2006 MIRU NDSI NS # 1. Spud well @ 9:00 AM. Drill 335' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 326.01' KB 1-7-2006 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 5 bbl cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Troy Zufelt	Title Drilling Foreman
Signature 	Date 01/08/2006

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

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

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

(Instructions on reverse)

JAN 13 2006

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

8 5/8 CASING SET AT 326.01

LAST CASING 8 5/8" set @ 326.01  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 335' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Sand wash Federal 13-31-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.95'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	314.16
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			316.01
TOTAL LENGTH OF STRING		316.01	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>326.01</b>
TOTAL		314.16	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		314.16	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	1/5/2006	9:00 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		1/6/2006	3:00 PM	Bbls CMT CIRC TO SURFACE			5
BEGIN CIRC		1/7/2006	12:48 PM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		1/7/2006	12:57 PM				
BEGIN DSPL. CMT		1/7/2006	1:09 PM	BUMPED PLUG TO			225 PSI
PLUG DOWN		1/7/2006	1:15 PM				225 PSI Plug Gave Away
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 1/7/2006

JAN 13 2006

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.

**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 are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 2206 FSL 655 FWL  
 SW/SW    Section 31 T8S R17E

5. Lease Serial No.  
 UTU74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 SANDWASH FEDERAL 13-31-8-17

9. API Well No.  
 4301332445

10. Field and Pool, or Exploratory Area  
 Monument Butte

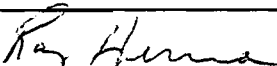
11. County or Parish, State  
 Duchesne, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is 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.)

On 01-17-06 MIRU NDSI Rig # 2. 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 @ 282'. Drill out cement & shoe. Drill a 7.875 directional hole with 9.5 lb/gal 45 vis brine mud to a depth of 6,280'. Lay down drill string & BHA. PU & TIH with Guide shoe, shoe jt, float collar, 145 jt's of 5.5 J-55, 15.5# csgn. Set @ 6264.95' / KB. Cement with 375 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With 20 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 96,000 #'s tension. Release rig 6:00pm on 1-30-06.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Ray Herrera	Title Drilling Foreman
Signature 	Date 02/02/2006

**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)

FEB 06 2006

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6264.95

Flt cllr @ 6223.40'

LAST CASING 8 5/8" SET AT 326'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6275' LOGGER \_\_\_\_\_  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Sand Wash Fed 13-31-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI rig #2

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 4475' (610')					
145	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6209.4
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.3
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		6266.95
TOTAL LENGTH OF STRING			6266.95	146	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			259.09	6	CASING SET DEPTH		<b>6264.95</b>
TOTAL			<b>6510.79</b>	152	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			6510.79	152			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			1:30 AM	1/30/2006	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE			7:00 AM	1/30/2006	Bbls CMT CIRC TO SURFACE <u>20 bbls</u>		
BEGIN CIRC			7:05 AM	1/30/2006	RECIPROCATED PIPE FOR <u>1 THRU STROKE</u>		
BEGIN PUMP CMT			8:51 AM	1/30/2006	DID BACK PRES. VALVE HOLD? <u>Yes</u>		
BEGIN DSPL. CMT			9:58 AM	1/30/2006	BUMPED PLUG TO <u>1920</u> PSI		
PLUG DOWN			<b>10:20 AM</b>	<b>1/30/2006</b>			
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	375	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	475	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 Ray Herrera

DATE January 30, 2006



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.

5. Lease Serial No.  
UTU74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
SANDWASH FEDERAL 13-31-8-17

9. API Well No.  
4301332445

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

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

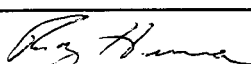
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2206 FSL 655 FWL  
SW/SW Section 31 T8S R17E

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is 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 01-17-06 MIRU NDSI Rig # 2. 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 @ 282'. Drill out cement & shoe. Drill a 7.875 directional hole with 9.5 lb/gal 45 vis brine mud to a depth of 6,280'. Lay down drill string & BHA. PU & TIH with Guide shoe, shoe jt, float collar, 145 jt's of 5.5 J-55, 15.5# csgn. Set @ 6264.95' / KB. Cement with 375 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With 20 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 96,000 #'s tension. Release rig 6:00pm on 1-30-06.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Ray Herrera	Title Drilling Foreman
Signature 	Date 02/02/2006

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

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

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

(Instructions on reverse)

**RECEIVED**  
**FEB 16 2006**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well

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 are code)  
435.646.3721

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

2206 FSL 655 FWL  
SW/SW Section 31 T8S R17E

5. Lease Serial No.

UTU74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or C/A Agreement, Name and/or No.

SAND WASH UNIT

8. Well Name and No.

SANDWASH FEDERAL 13-31-8-17

9. API Well No.

4301332445

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

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

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

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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

Accepted by  
Utah Division of  
Oil, Gas and Mining  
Date: 3/14/06  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

I hereby certify that the foregoing is true and correct	Title
Name (Printed/Typed) Mandie Crozier	Regulatory Specialist
Signature [Signature]	Date 03/08/2006

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

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	03-16-06 [Signature]

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

MAR 09 2006

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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abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
SANDWASH FEDERAL 13-31-8-17

9. API Well No.  
4301332445

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2206 FSL 655 FWL  
SW/SW Section 31 T8S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
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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 <i>Mandie Crozier</i>	Date 03/08/2006

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

Approved by _____	Title _____	Date _____
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(Instructions on reverse)

RECEIVED

MAR 09 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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8. Well Name and No.  
SANDWASH FEDERAL 13-31-8-17

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2206 FSL 655 FWL  
SW/SW Section 31 T8S R17E

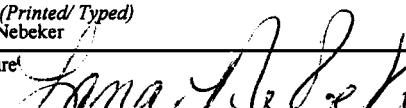
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Status report for time period 02/10/06 - 03/05/06

Subject well had completion procedures initiated in the Green River formation on 02-10-06 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 (6052'-6060'),(6020'-6030'); Stage #2 (5650'-5666'),(5636'-5646'),(5596'-5612'),(5574'-5584'); Stage #3 (5370'-5382'),(5340'-5360'); Stage #4 (5146'-5152'),(5126'-5134'),(5087'-5096'),(4932'-4949'); Stage #5 (4560'-4568'). 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 02-27-2006. Bridge plugs were drilled out and well was cleaned to 6221'. 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 03-05-2006.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Lana Nebeker	Production Clerk
Signature 	Date 03/30/2006

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

Approved by _____	Title _____	Date _____
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(Instructions on reverse)

**RECEIVED**  
**MAR 31 2006**  
DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74869

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

6. IF INDIAN ALLOTTEE OR TRIBE NAME

NA

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME

Sand Wash Unit

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

Sand Wash Federal 13-31-8-17

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-32445

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface 2206' FSL & 655' FWL (SW/SW) Sec. 31, T8S, R17E

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

Sec. 31, T8S, R17E

At total depth

14. API NO. 43-013-32445 DATE ISSUED 4/11/03

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUNDED

1/5/06

16. DATE T.D. REACHED

1/28/06

17. DATE COMPL. (Ready to prod.)

3/5/06

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

5363' GL

19. ELEV. CASINGHEAD

5375' KB

20. TOTAL DEPTH, MD & TVD

6280'

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

6221'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

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

Green River 4560'-6060'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

28. 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#	326'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6265'	7-7/8"	375 sx Premlite II and 475 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6123'	TA @ 5989'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2&3) 6020'-30', 6052'-60'	.46"	4/72	6020'-6060'	Frac w/ 70,339# 20/40 sand in 659 bbls fluid
(DC) 5574'-84', 5596'-5612', 5636'-46', 5650'-66'	.43"	4/208	5574'-5666'	Frac w/ 295,743# 20/40 sand in 1943 bbls fluid
(B1&2) 5340'-60', 5370'-82'	.43"	4/128	5340'-5382'	Frac w/ 40,413# 20/40 sand in 431 bbls fluid
(D1&2) 5087'-96', 5126'-34', 5146'-52'	.43"	4/92	5087'-5152'	Frac w/ 102,043# 20/40 sand in 709 bbls fluid
(DS1) 4932'-4949'	.43"	4/68	4932'-4949'	Frac w/ 79,993# 20/40 sand in 592 bbls fluid
(GB4) 4560'-4568'	.43"	4/32	4560'-4568'	Frac w/ 35,987# 20/40 sand in 352 bbls fluid

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

33.\* PRODUCTION

DATE FIRST PRODUCTION 3/5/06	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC CDI Pump				WELL STATUS (Producing or shut-in) PRODUCING		
DATE OF TEST 30 day ave	HOURS TESTED	CHOKE SIZE	PRODN. FOR TEST PERIOD ----->	OIL--BBL. 43	GAS--MCF 117	WATER--BBL. 0	GAS-OIL RATIO 2721
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY--API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

**RECEIVED**

**APR 12 2006**

35. LIST OF ATTACHMENTS

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

*[Signature]*

Regulatory Specialist

DIV. OF OIL, GAS & MINING

4-10-2006

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
			<b>Well Name</b> <b>Sand Wash Federal 13-31-8-17</b>	Garden Gulch Mkr		
				Garden Gulch 1		
				Garden Gulch 2	4360'	
				Point 3 Mkr	4636'	
				X Mkr	4880'	
				Y-Mkr	4816'	
				Douglas Creek Mkr	5044'	
				BiCarbonate Mkr	5284'	
				B Limestone Mkr	5404'	
				Castle Peak	5910'	
				Basal Carbonate		
				Total Depth (LOGGERS)	6250'	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

RECEIVED

NOV 11 2009

DIV. OF OIL, GAS & MINING

NOV 03 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

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

RE: Additional Well to Sand Wash Area Permit  
UIC Permit No. UT20847-00000  
Well ID: UT20847-08431  
Sand Wash Federal 13-31-8-17  
2206' FSL & 655' FWL  
SW SW Sec. 31 T8S-R17E  
Duchesne County, Utah  
API #43-013-32445

Dear Mr. Sundberg:

The Newfield Production Company's (Newfield) request to convert the former Green River Formation oil well Sand Wash Federal 13-31-8-17 to an enhanced recovery injection well under the Sand Wash Area Permit is hereby authorized by the Environmental Protection Agency Region 8 (EPA) under the terms and conditions described in the Authorization for Additional Well.

The addition of the proposed injection well within the exterior boundary of the Uintah & Ouray Indian Reservation is being made under the authority of 40 CFR §144.33 (c), terms of the Sand Wash Area Permit No. UT20847-00000 and subsequent modifications.

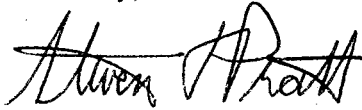
Please be aware that Newfield does not have authorization to begin injection operations until all Prior to Commencing Injection requirements have been submitted and evaluated by EPA and written authorization to begin injection is given by the Director. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depth of 4,030 feet and the top of the Wasatch Formation estimated to be at 6,431 feet.

Prior to receiving authorization to inject, EPA requires that Newfield submit for review and approval: (1) a complete EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) a pore pressure calculation of the injection interval, (3) the results of a Part I (Internal) Mechanical Integrity (MI) Test, and (4), a Radioactive Tracer Survey during the 180-day Period of Limited Authorization to Inject.

The initial Maximum Allowable Injection Pressure (MAIP) for the Sand Wash Federal 13-31-8-17 is 835 psig. UIC Area Permit UT20847-00000 allows the permittee to request a change in the MAIP based upon results of a step rate test which demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Jason Deardorff at (303)-312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Sarah Bahrman at the letterhead address citing mail code 8P-W-GW.

Sincerely,



for

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

Encl: Authorization for Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Schematics for Sand Wash Federal 13-31-8-17

cc: Letter Only

Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency



All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20847-00000**

The Sand Wash Final UIC Area Permit No. UT20847-00000, effective May 26, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On June 2, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

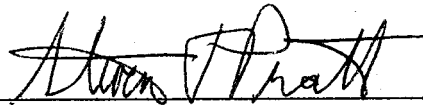
Well Name:	<b>Sand Wash Federal 13-31-8-17</b>
EPA Well ID Number:	<b>UT20847-08431</b>
Location:	2206' FSL & 655' FWL SW SW Sec. 31 T8S-R17E Duchesne County, Utah API #43-013-32445

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20847-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20847-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: NOV 03 2009

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

\* The person holding this title is referred to as the Director throughout the permit and Authorization

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Sand Wash Federal 13-31-8-17

EPA Well ID Number: UT20847-08431

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 4,030 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,431 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 835 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.623 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,560 \text{ ft. (top perforation depth KB)} \\ \text{MAIP} &= 835 \text{ psig} \end{aligned}$$

UIC Area Permit No. UT20847-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft. above the top perforation.

**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. 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. 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. At a minimum, the following plugs are required:

- PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with 100 ft. cement plug on top of the CIBP.
- PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 3,148 ft. to 3,288 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 140-foot balanced cement plug inside the 5-1/2" casing from approximately 3,148 ft. to 3,288 ft. (KB).
- PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,761 ft., from 1,701 ft. to 1,821 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot plug inside the 5-1/2" casing from approximately 1,701 ft. to 1,821 ft. (KB).
- PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 426 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Sand Wash Federal 13-31-8-17**  
EPA Well ID Number: **UT20847-08431**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Sand Wash Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 379 ft. in the vicinity of the Sand Wash Federal 13-31-8-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

The TDS of commingled produced water from the Garden Gulch, Douglas Creek and Castle Peak Members of the Green River Formation was determined to be 19,993 mg/l on February 10, 2009

The TDS of Jonah Facility Injection System source water was determined to be 3,078 mg/l on January 6, 2009

The **injectate** is water from the Jonah Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

**Aquifer Exemption** is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 200 ft. of shale between the depths of 3,830 ft. and 4,030 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,401 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 4,030 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 6,431 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show a sufficient interval of 80% or greater cement bond index through the Confining Zone (3,830 to 4,030 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 326 ft. (KB) in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 6,264 ft. (KB) in a 7-7/8" hole secured with 850 sacks of cement. Total driller depth 6,280 ft. Plugged back total depth is 6,221 ft. EPA calculates top of cement at 750 ft. Estimated CBL top of cement is 200 ft.

**Perforations:** Top perforation: 4,560 ft. (KB)      Bottom perforation: 6,060 ft. (KB)

**AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following three wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Sand Wash Federal 13-31-8-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Sand Wash Federal 12-31-8-17    API: 43-013-32446      NSW Sec. 31-T8S-R17E

*Authorization for Additional Well: UIC Area Permit UT20847-00000  
Well: Sand Wash Federal 13-31-8-17 EPA Well ID: UT20847-08431*

Well: Sand Wash Federal Q-31-8-17      API: 43-013-33819      NWSW Sec. 31-T8S-R17E

Well: Sand Wash Federal 14-31-8-17      API: 43-013-32443      NESW Sec. 31-T8S-R17E

**No Corrective Action Required on AOR wells:**

Well: Sand Wash Federal 12-31-8-17      API: 43-013-32446      NWSW Sec. 31-T8S-R17E  
CBL shows cement through entire Areal Confining Zone, from 3,690 – 3,870 ft.

Well: Sand Wash Federal Q-31-8-17      API: 43-013-33819      NWSW Sec. 31-T8S-R17E  
CBL shows cement through entire Areal Confining Zone, from 3,750 – 3,950 ft.

Well: Sand Wash Federal 14-31-8-17      API: 43-013-32443      NESW Sec. 31-T8S-R17E  
CBL shows cement through entire Areal Confining Zone, from 3,741 – 3,939 ft.

**Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator 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.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he 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 operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.



Attachment Q-2

# Sand Wash Federal 13-31-8-17

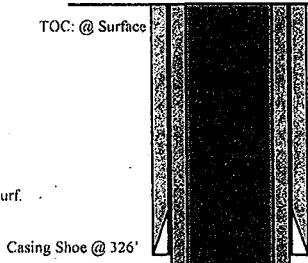
Spud Date: 01/05/06  
Put on Production: 03/05/06  
GL: 5363' KB: 5375'

Initial Production: BOPD,  
MCFD, BWPD

## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (314.16')  
DEPTH LANDED: 326.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

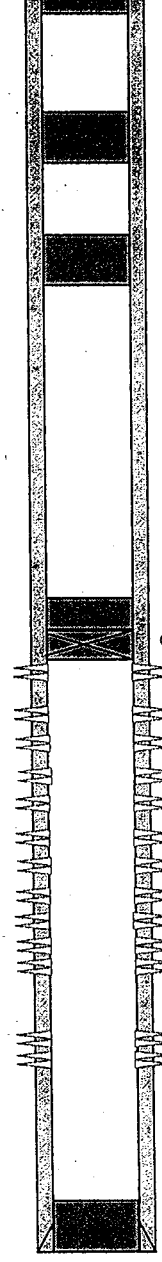


Pump 44 sx Class "G" Cement down 5-1/2" casing to 426'

*426'*  
*(50 ft below expected base of USDW per Pub 92)*

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6251.70')  
DEPTH LANDED: 6264.95' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 375 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP: @ Surface



120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1701'-1821')

140' balance plug using 16 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below Mahogany Oil Shale (3148'-3288')

100' (12 sx) Class G Cement plug on top of CIBP  
CIBP @ 4510'

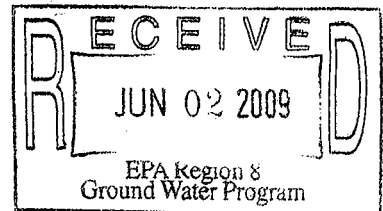
4560-4568'  
4932-4949'  
5087-5096'  
5126-5134'  
5146-5152'  
5340-5360'  
5370-5382'  
5574-5584'  
5596-5612'  
5636-5646'  
5650-5666'


6020-6030'  
6052-6060'

PBTD @ 6221'

SHOE @ 6264'

TD @ 6280'




<b>Sand Wash Federal 13-31-8-17</b> 2206' FSL & 655' FWL SW/SW Section 31-T8S-R17E Duchesne Co, Utah API #43-013-32445; Lease #UTU-74869



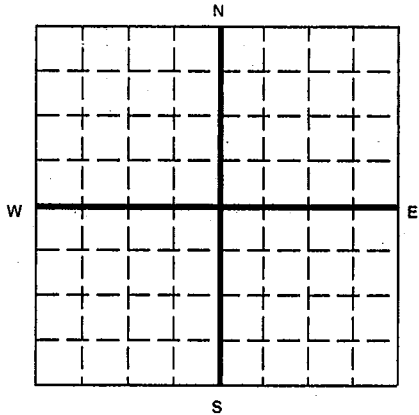
United States Environmental Protection Agency  
Washington, DC 20460

### WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State  County  Permit Number

Surface Location Description  
 1/4 of  1/4 of  1/4 of  1/4 of Section  Township  Range

Locate well in two directions from nearest lines of quarter section and drilling unit  
 Surface Location  ft. frm (N/S)  Line of quarter section  
 and  ft. from (E/W)  Line of quarter section.

<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name <input type="text"/>	Total Depth Before Rework <input type="text"/>	<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells <input type="text"/>  Well Number <input type="text"/>
	Total Depth After Rework <input type="text"/>	
	Date Rework Commenced <input type="text"/>	
	Date Rework Completed <input type="text"/>	

#### WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

#### WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

	Log Types		Logged Intervals

#### Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)	Signature	Date Signed
<input type="text"/>	<input type="text"/>	<input type="text"/>

# Sand Wash Federal 13-31-8-17

Spud Date: 01/05/06  
 Put on Production: 03/05/06  
 GI: 5363' KB: 5375'

Initial Production: BOPD,  
 MCFD, BWPD

Proposed Injection  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (314.16')  
 DEPTH LANDED: 326.01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts. (6251.70')  
 DEPTH LANDED: 6264.95' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 375 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: @ Surface

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 184 jts (5942.34')  
 TUBING ANCHOR: 5954.34'  
 NO. OF JOINTS: 2 jts (65.03')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6022.17'  
 NO. OF JOINTS: 2 jts (64.99')  
 TOTAL STRING LENGTH: EOT @ 6088.71'

**FRAC JOB**

02/23/06	6020-6060'	Frac CP2, CP3 sands as follows: 70339# 20/40 sand in 659 bbls Lightning 17 frac fluid. Treated @ avg press of 1995 psi w/avg rate of 24.7 BPM. ISIP 2050 psi. Calc flush: 6058 gal. Actual flush: 5418 gal.
02/24/06	5574-5666'	Frac L.O.D.C, A3, A1 sands as follows: 295743# 20/40 sand in 1943 bbls Lightning 17 frac fluid. Treated @ avg press of 1985 psi w/avg rate of 37.6 BPM. ISIP 2100 psi. Calc flush: 5664 gal. Actual flush: 5544 gal.
02/24/06	5340-5382'	Frac B1, B2 sands as follows: 40413# 20/40 sand 431 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 24.5 BPM. ISIP 2200 psi. Calc flush: 5380 gal. Actual flush: 4788 gal.
02/24/06	5087-5152'	Frac D1, D2 sands as follows: 103043# 20/40 sand in 709 bbls Lightning 17 frac fluid. Treated @ avg press of 2238 psi w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc flush: 5150 gal. Actual flush: 4536 gal.
02/24/06	4932-4949'	Frac DS1 sands as follows: 79993# 20/40 sand in 592 bbls Lightning 17 frac fluid. Treated @ avg press 2083 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 4947 gal. Actual flush: 4368 gal.
02/24/06	4560-4568'	Frac GB4 sands as follows: 35987# 20/40 sand in 352 bbls Lightning 17 frac fluid. Treated @ avg press 1863 psi w/avg rate of 24.6 BPM. ISIP 1850 psi. Calc flush: 4566 gal. Actual flush: 4452 gal. Stuck pump. Updated rod and tubing details.
05/24/06		Stuck Pump. Update rod and tubing details.
11/15/06		Stuck Pump. Update rod and tubing details.
12-29-07		Tubing Leak. Updated rod & tubing details.

*Base of USDW per Pub 92 @ 379'*

*Top Green River @ 1,761'*

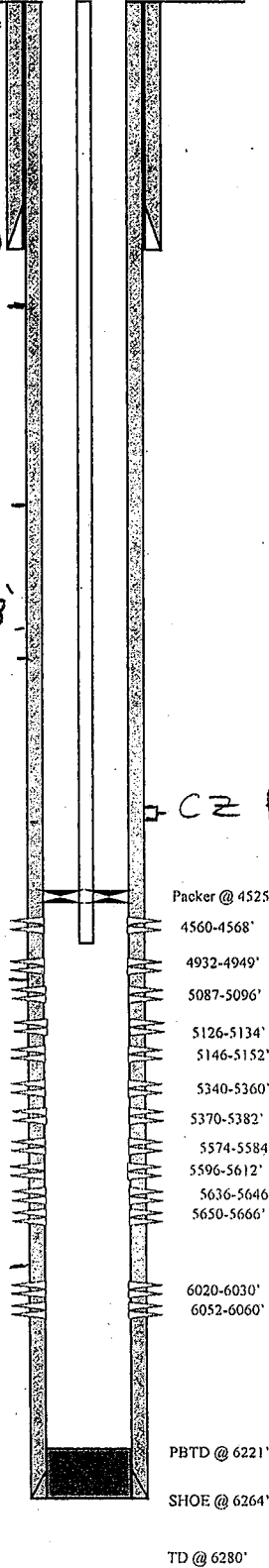
*Trona 3198-3208'  
 Mahogany Bench 3212-3238'*

*CZ from 3880'-4030'*

*CBH shows less than 80% bond through entire confining zone. RTS is required to demonstrate no movement of fluids behind casing.*

*Douglas Creek @ 5043'*

*Castle Peak @ 5911'*



**PERFORATION RECORD**

Date	Depth Range	Tool Joint	Holes
02/20/06	6052-6060'	4 JSPF	32 holes
02/20/06	6020-6030'	4 JSPF	40 holes
02/23/06	5650-5666'	4 JSPF	64 holes
02/23/06	5636-5646'	4 JSPF	40 holes
02/23/06	5596-5612'	4 JSPF	64 holes
02/23/06	5574-5584'	4 JSPF	40 holes
02/24/06	5370-5382'	4 JSPF	48 holes
02/24/06	5340-5360'	4 JSPF	80 holes
02/24/06	5146-5152'	4 JSPF	24 holes
02/24/06	5126-5134'	4 JSPF	32 holes
02/24/06	5087-5096'	4 JSPF	36 holes
02/24/06	4932-4949'	4 JSPF	68 holes
02/24/06	4560-4568'	4 JSPF	32 holes

**NEWFIELD**

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Sand Wash Federal 13-31-8-17  
 2206' FSL & 655' FWL  
 SW/SW Section 31-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-32445; Lease #UTU-74869

*Wasatch estimated @ 6481'*

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

GMBU

**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  GAS WELL  OTHER

8. WELL NAME and NUMBER:

SANDWASH FEDERAL 13-31-8-17

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301332445

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2206 FSL 655 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 31, T8S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/11/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 03/09/2010.

On 03/09/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 03/08/2010. On 03/11/2010 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20847-08431

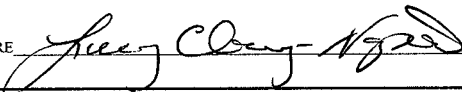
API# 43-013-32445

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 03/23/2010

(This space for State use only)

RECEIVED

MAR 29 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 are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2206 FSL 655 FWL  
SWSW Section 31 T8S R17E

5. Lease Serial No.  
USA UTU-74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
SANDWASH FEDERAL 13-31-8-17

9. API Well No.  
4301332445

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

The subject well has been converted from a producing oil well to an injection well on 03/09/2010.

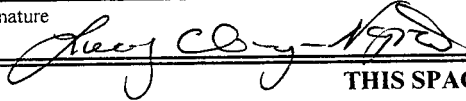
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EPA# UT20847-08431      API# 43-013-32445

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

Lucy Chavez-Naupoto

Signature



Title

Administrative Assistant

Date

03/23/2010

**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**

**MAR 29 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: 03/11/2010  
 Test conducted by: Lynn Monson  
 Others present: \_\_\_\_\_

Well Name: <u>Sand Wash Federal 13-31-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte Field</u>		
Location: <u>Sub/SW</u> Sec: <u>31</u> T <u>8</u> N <u>10</u> R <u>17</u> <u>E</u> W County: <u>Duchesne</u> State: <u>Ut</u>		
Operator: <u>New Field</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 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1260</u> psig	psig	psig
5 minutes	<u>1260</u> psig	psig	psig
10 minutes	<u>1260</u> psig	psig	psig
15 minutes	<u>1260</u> psig	psig	psig
20 minutes	<u>1260</u> psig	psig	psig
25 minutes	<u>1260</u> psig	psig	psig
30 minutes	<u>1260</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

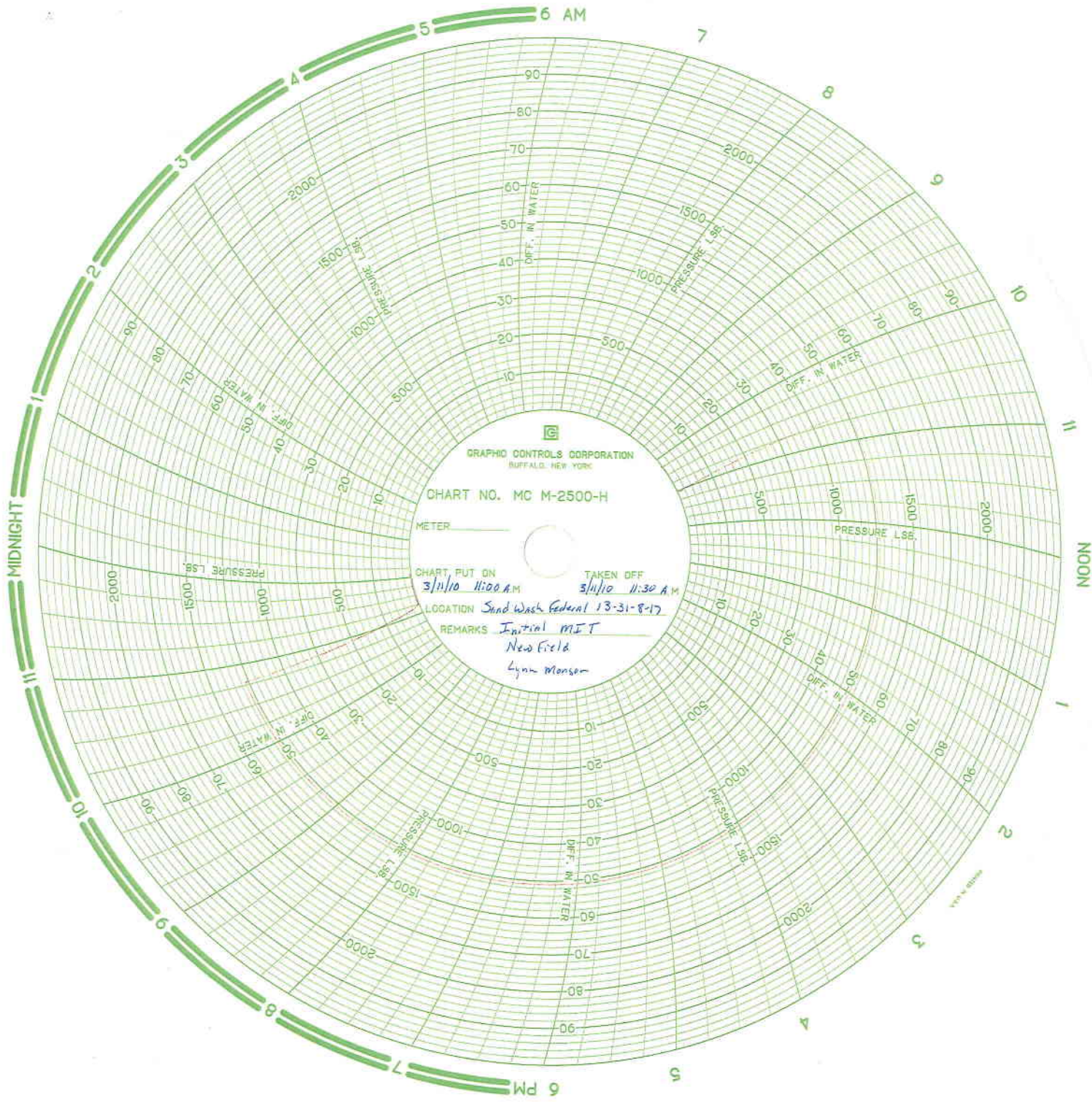
Does the annulus pressure build back up after the test?     Yes     No

## 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: \_\_\_\_\_





GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

CHART PUT ON

3/11/10 11:00 AM

TAKEN OFF

3/11/10 11:30 AM

LOCATION Sand Wash Federal 13-31-8-17

REMARKS Initial MIT

New Field

Lynn Manson

**Daily Activity Report**

Format For Sundry

**SANDWASH 13-31-8-17****1/1/2010 To 5/30/2010****3/5/2010 Day: 1****Conversion**

Nabors #809 on 3/5/2010 - Flush tbg & rods. - MIRU Nabors rig #809. RU HO trk & pump 60 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. RU HO trk to tbg & flush rods W/ 40 BW @ 250° (circulating @ 750 psi). Re-seat pump, soft joint rod string & strip off flow-T. RU to tbg & fill W/ 1 BW. Pressure up to 1000 psi--pump 15 BW W/ no pressure change. Retrieve rod string & unseat pump. LD 3 rods. PU polished rod & SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$36,560**3/6/2010 Day: 2****Conversion**

Nabors #809 on 3/6/2010 - LD rod string. Start TOH W/ production tbg. LD rod cut tbg. - RU HO trk & flush tbg W/ 30 BW @ 250°F. TOH & LD rod string and top 1/2 of rod pump. Re-flushed rods as LD W/ add'l 40 BW. Btm 100 rods have heavy scale and severe rod guide wear (into cplgs). ND wellhead & release TA @ 5954'. NU BOP. TOH & talley production tbg. Break even connections, clean & inspect pins and apply Liquid O-ring to pins. After 114 jts started observing severely rod cut tbg. Started laying tbg down. 132 jts total tbg pulled today.

**Daily Cost:** \$0**Cumulative Cost:** \$40,994**3/8/2010 Day: 3****Conversion**

Nabors #809 on 3/8/2010 - Made bit & scraper run. Started in hole W/ tools. - RU HO trk & flush tbg (circulate) W/ 30 BW @ 250°F. Con't TOH & LD remainder of tbg & BHA (76 total). Found splits in 3 jts! Talley, PU & TIH W/ 4 3/4" bit, 5 1/2" casing scraper, 74 jts used inspected 2 7/8 YB tbg & 112 jts original production tbg. Dropped standing valve & tested tbg as RIH. Blew hole in 1 more jt. Entire string did test to 3000 psi. Tag fill @ 6160'. Retrieve standing valve W/ overshot on sandline. TOH W/ tbg. Broke odd connections, clean & inspect pins & apply Liquid O-ring to pins on injection string. LD bit & scraper. Re-flushed (circulated) tbg W/ 60 BW on TOH. MU & TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 42 jts tbg. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$55,263**3/9/2010 Day: 4****Conversion**

Nabors #809 on 3/9/2010 - Acidize perfs. Swab back acid. - Well flowing oil. RU HO trk & pump 30 BW dn tbg. Strip on washington head & install stripping rubber. Con't TIH W/ RBP, pkr & tbg. Isolate & treat existing perfs as detailed. Release pkr & LD 1 jt tbg to place EOT @ 515542'. RU swab equipment. IFL @ sfc. Made it in to 1300' & stacked out on wax. RU HO trk & flush tbg W/ 20 BW @ 250°F. Resume swabbing. Made 12 runs rec 115 BTF W/ FFL @ 2000'. Last 3 runs had PH @ 6. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$73,070



**3/10/2010 Day: 5****Conversion**

Nabors #809 on 3/10/2010 - TOH W/ tools. TIH W/ packer & test injection tbg. Set & test packer. RDMOSU. - Bleed well off. RIH W/ 5 jts tbg. RU HO trk & rev circ well W/ 100 BW @ 250°F. Release RBP. TOH & stand back 140 jts tbg. LD btm 44 jts, pkr & plug. . 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 140 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. 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 @ 4511', CE @ 4515' & EOT @ 4519'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Pressure holding solid after 1 hour. RDMOSU. Well ready for MIT.

**Daily Cost:** \$0

**Cumulative Cost:** \$72,169

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**3/12/2010 Day: 6****Conversion**

Rigless on 3/12/2010 - MIT on Well - On 3/8/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Sandwash 13-31-8-17). Permission was given at that time to perform the test on 3/8/2010. On 3/11/2010 the csg was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-08431 API# 43-013-32445

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$72,469

---

**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>

APR 08 2010

Ref: 8P-W-GW

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

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

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

RE: Underground Injection Control (UIC)  
Limited Authorization to Inject  
EPA UIC Permit UT20847-08431  
Well: Sand Wash Federal 13-31-8-17  
SWSW Sec. 31-T8S-R17E  
Duchesne County, Utah  
API No.: 43-013-32445

Dear Mr. Guinn:

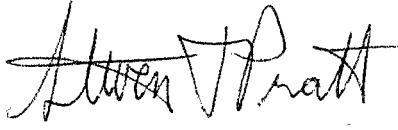
The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) March 23, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20847-08431.

As of the date of this letter, Newfield is authorized to commence injection into the Sand Wash Federal 13-31-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 835 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. If Newfield seeks a higher MAIP than 835 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 UT20847-08431.

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583. 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, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74869

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

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

8. WELL NAME and NUMBER:  
SANDWASH FEDERAL 13-31-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332445

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: 2206 FSL 655 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW, 31, T8S, R17E

STATE: UT

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 (Submit in Duplicate)  Approximate date work will <u>09/27/2010</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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 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 10:00 AM on 09-27-2010.

EPA # UT20847-08431 API # 43-013-32445

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 09/28/2010

(This space for State use only)

**RECEIVED**  
**SEP 30 2010**  
**DIV. OF OIL, GAS & MINING**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74869

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
SANDWASH FEDERAL 13-31-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332445

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: 2206 FSL 655 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 31, T8S, R17E STATE: UT

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

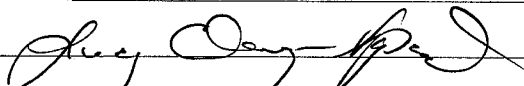
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/03/2010	<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: - Step Rate Test
	<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.  
A step rate test was conducted on the subject well on December 3, 2010. Results from the test indicate that the fracture gradient is 0.753 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 835 psi to 1425 psi.

EPA: UT20847-08431 API: 43-013-32445

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

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

SIGNATURE  DATE 01/04/2011

(This space for State use only)

**RECEIVED  
JAN 06 2011  
DIV. OF OIL, GAS & MINING**

# Step Rate Test (SRT) Analysis

Date: 12/06/2010

Operator: Newfield Production Company

Well: Sandwash 13-31-8-17

Permit #: UT20847-08431

**Enter the following data :**

Specific Gravity (sg) of injectate =	<u>1.015</u>	g/cc	
Depth to top perforation (D) =	<u>4560</u>	feet	4560
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		feet	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	<u>1430</u>	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =	<u>1508</u>	psi	1430
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		psi	no downhole

## Part One - Calculation of Fracture Gradient (fg)

**Calculated Fracture Gradient = 0.753 psi/ft.**

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1508

D = depth used = 4560

Pbhp used = 3434

**Calculated Bottom Hole Parting Pressure (Pbhp) = 3434 psi**

3434.097

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 \* SG \* D)

(Uses lesser of ISIP or Pfp) Value used = 1430

## Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

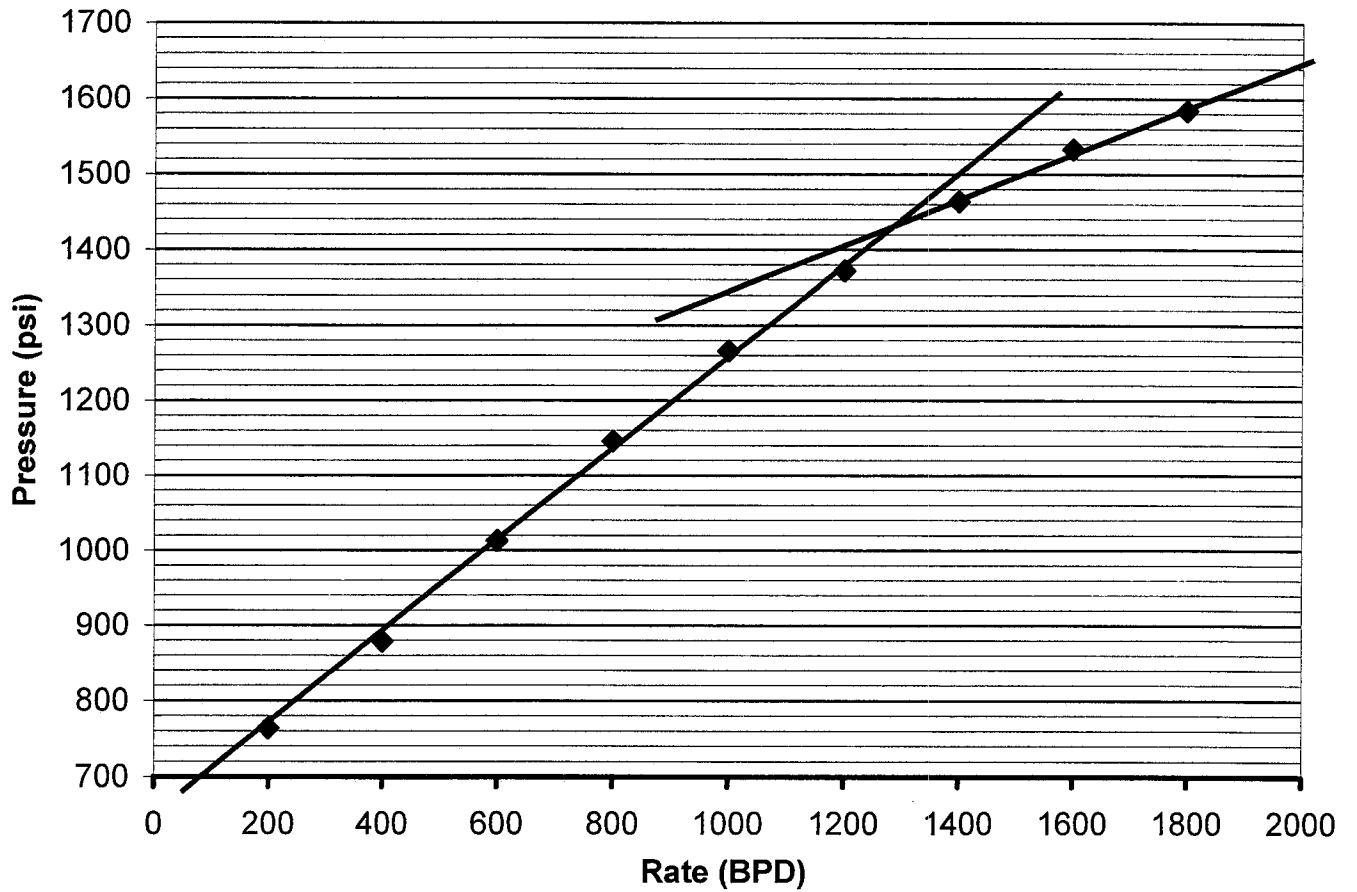
**Maximum Allowable Injection Pressure (MAIP) = 1425 psig**

D = depth used = 4560

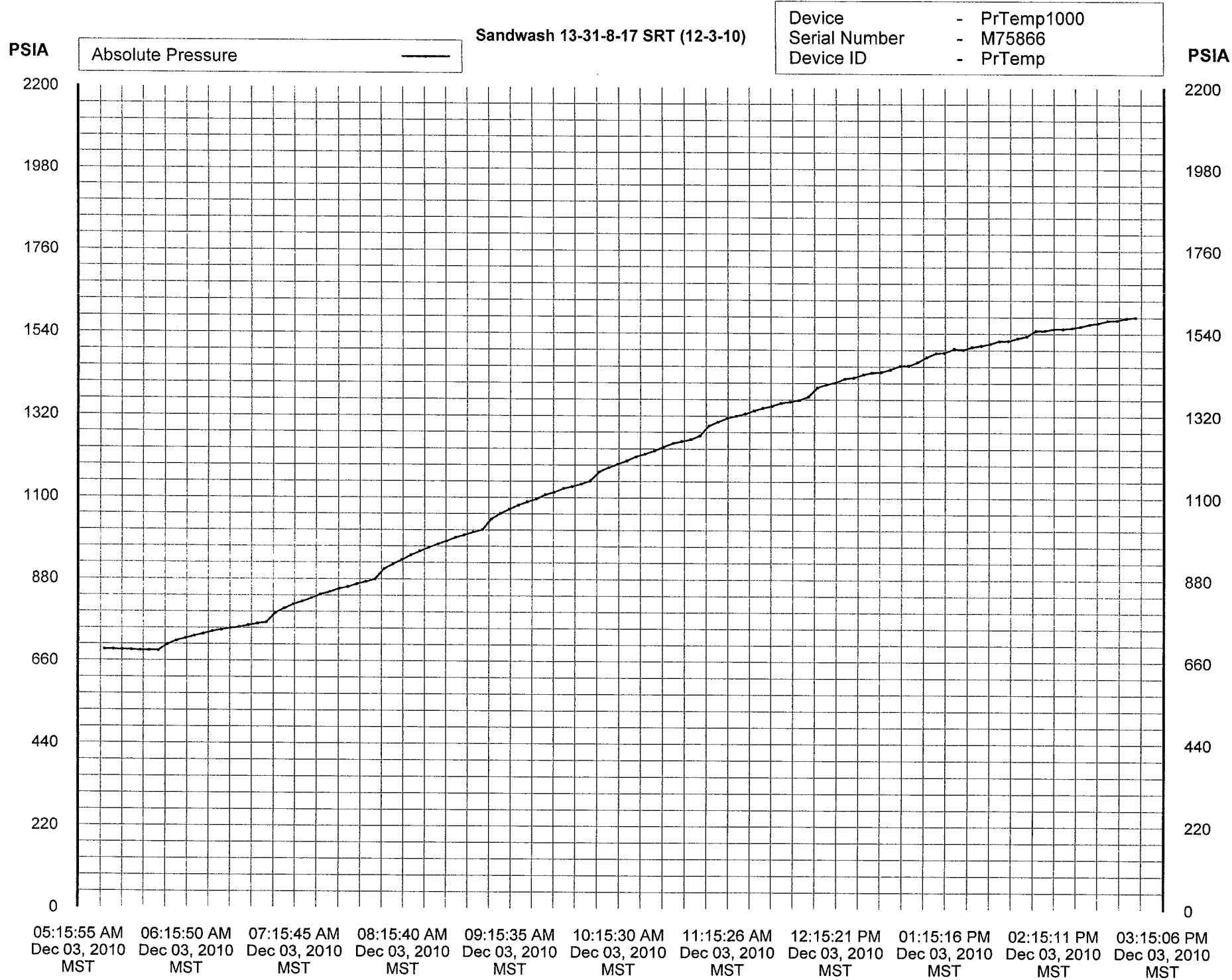
MAIP = Pfg - (0.433 \* SG) \* D = 1429.583

(rounded down to nearest 5 psig)

**Sandwash 13-31-8-17  
Greater Monument Butte Unit  
Step Rate Test  
December 3, 2010**



<b>Start Pressure:</b>	686 psi	<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
<b>Instantaneous Shut In Pressure (ISIP):</b>	1508 psi	1	200	764
<b>Top Perforation:</b>	4560 feet	2	400	879
<b>Fracture pressure (Pfp):</b>	1430 psi	3	600	1013
<b>FG:</b>	0.753 psi/ft	4	800	1146
		5	1000	1266
		6	1200	1372
		7	1400	1464
		8	1600	1533
		9	1800	1584

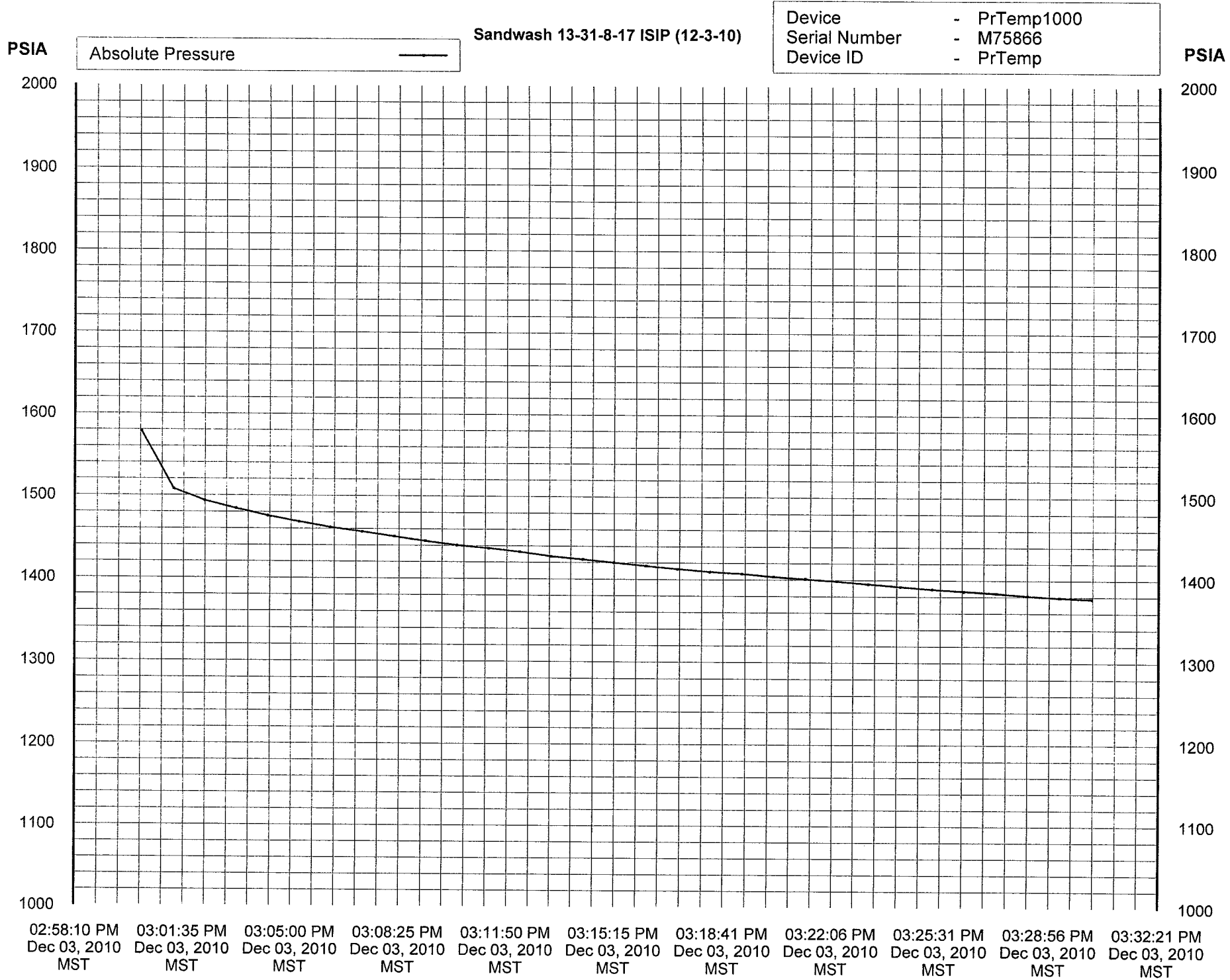




Report Name: PrTemp1000 Data Table  
 Report Date: Dec 06, 2010 09:21:41 AM MST  
 File Name: C:\Program Files\PTC@ Instruments 2.00\Sandwash 13-31-8-17 SRT (12-3-10).csv  
 Title: Sandwash 13-31-8-17 SRT (12-3-10)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Dec 03, 2010 05:30:00 AM MST  
 Data End Date: Dec 03, 2010 03:00:01 PM MST  
 Reading Rate: 2 Seconds  
 Readings: 1 to 115 of 115  
 Last Calibration Date: May 22, 2009  
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Dec 03, 2010 05:30:00 AM	690.000	PSIA
2	Dec 03, 2010 05:34:59 AM	689.600	PSIA
3	Dec 03, 2010 05:39:59 AM	688.600	PSIA
4	Dec 03, 2010 05:44:59 AM	688.000	PSIA
5	Dec 03, 2010 05:50:01 AM	687.200	PSIA
6	Dec 03, 2010 05:55:00 AM	686.800	PSIA
7	Dec 03, 2010 06:00:01 AM	686.400	PSIA
8	Dec 03, 2010 06:05:00 AM	702.600	PSIA
9	Dec 03, 2010 06:10:01 AM	712.800	PSIA
10	Dec 03, 2010 06:15:00 AM	719.800	PSIA
11	Dec 03, 2010 06:20:00 AM	726.000	PSIA
12	Dec 03, 2010 06:25:00 AM	732.200	PSIA
13	Dec 03, 2010 06:30:00 AM	738.400	PSIA
14	Dec 03, 2010 06:35:01 AM	742.600	PSIA
15	Dec 03, 2010 06:40:00 AM	747.200	PSIA
16	Dec 03, 2010 06:45:01 AM	750.400	PSIA
17	Dec 03, 2010 06:50:00 AM	755.200	PSIA
18	Dec 03, 2010 06:55:01 AM	759.600	PSIA
19	Dec 03, 2010 07:00:00 AM	763.600	PSIA
20	Dec 03, 2010 07:05:00 AM	789.000	PSIA
21	Dec 03, 2010 07:10:00 AM	801.400	PSIA
22	Dec 03, 2010 07:15:00 AM	811.800	PSIA
23	Dec 03, 2010 07:20:01 AM	819.800	PSIA
24	Dec 03, 2010 07:25:00 AM	828.800	PSIA
25	Dec 03, 2010 07:30:01 AM	838.600	PSIA
26	Dec 03, 2010 07:35:00 AM	845.600	PSIA
27	Dec 03, 2010 07:40:01 AM	854.200	PSIA
28	Dec 03, 2010 07:45:00 AM	859.000	PSIA
29	Dec 03, 2010 07:50:00 AM	866.600	PSIA
30	Dec 03, 2010 07:55:01 AM	872.600	PSIA
31	Dec 03, 2010 08:00:00 AM	879.000	PSIA
32	Dec 03, 2010 08:05:01 AM	906.400	PSIA
33	Dec 03, 2010 08:10:00 AM	919.600	PSIA
34	Dec 03, 2010 08:15:02 AM	931.600	PSIA
35	Dec 03, 2010 08:20:00 AM	944.000	PSIA
36	Dec 03, 2010 08:25:01 AM	954.600	PSIA
37	Dec 03, 2010 08:30:01 AM	964.200	PSIA
38	Dec 03, 2010 08:35:00 AM	973.400	PSIA
39	Dec 03, 2010 08:40:00 AM	982.000	PSIA
40	Dec 03, 2010 08:45:00 AM	991.800	PSIA
41	Dec 03, 2010 08:50:01 AM	998.600	PSIA
42	Dec 03, 2010 08:55:00 AM	1006.200	PSIA
43	Dec 03, 2010 09:00:01 AM	1013.000	PSIA
44	Dec 03, 2010 09:05:00 AM	1041.800	PSIA
45	Dec 03, 2010 09:10:01 AM	1056.800	PSIA
46	Dec 03, 2010 09:15:00 AM	1068.400	PSIA
47	Dec 03, 2010 09:20:00 AM	1079.400	PSIA
48	Dec 03, 2010 09:25:00 AM	1088.000	PSIA
49	Dec 03, 2010 09:30:00 AM	1096.000	PSIA
50	Dec 03, 2010 09:35:01 AM	1107.800	PSIA
51	Dec 03, 2010 09:40:00 AM	1114.400	PSIA
52	Dec 03, 2010 09:45:01 AM	1124.600	PSIA
53	Dec 03, 2010 09:50:00 AM	1130.000	PSIA
54	Dec 03, 2010 09:55:01 AM	1136.400	PSIA
55	Dec 03, 2010 10:00:00 AM	1145.600	PSIA
56	Dec 03, 2010 10:05:00 AM	1170.000	PSIA
57	Dec 03, 2010 10:10:00 AM	1181.200	PSIA
58	Dec 03, 2010 10:15:00 AM	1190.600	PSIA
59	Dec 03, 2010 10:20:01 AM	1199.000	PSIA

60	Dec 03, 2010 10:25:00 AM	1210.200	PSIA
61	Dec 03, 2010 10:30:01 AM	1217.600	PSIA
62	Dec 03, 2010 10:35:03 AM	1226.200	PSIA
63	Dec 03, 2010 10:40:01 AM	1236.600	PSIA
64	Dec 03, 2010 10:45:26 AM	1247.000	PSIA
65	Dec 03, 2010 10:50:02 AM	1251.600	PSIA
66	Dec 03, 2010 10:55:03 AM	1256.400	PSIA
67	Dec 03, 2010 11:00:00 AM	1266.400	PSIA
68	Dec 03, 2010 11:05:02 AM	1293.000	PSIA
69	Dec 03, 2010 11:10:00 AM	1303.400	PSIA
70	Dec 03, 2010 11:15:01 AM	1313.800	PSIA
71	Dec 03, 2010 11:20:00 AM	1320.000	PSIA
72	Dec 03, 2010 11:25:01 AM	1326.200	PSIA
73	Dec 03, 2010 11:30:00 AM	1334.400	PSIA
74	Dec 03, 2010 11:35:00 AM	1341.400	PSIA
75	Dec 03, 2010 11:40:01 AM	1347.000	PSIA
76	Dec 03, 2010 11:45:00 AM	1354.800	PSIA
77	Dec 03, 2010 11:50:01 AM	1358.400	PSIA
78	Dec 03, 2010 11:55:00 AM	1363.000	PSIA
79	Dec 03, 2010 12:00:01 PM	1371.800	PSIA
80	Dec 03, 2010 12:05:00 PM	1396.000	PSIA
81	Dec 03, 2010 12:10:01 PM	1404.600	PSIA
82	Dec 03, 2010 12:15:00 PM	1409.600	PSIA
83	Dec 03, 2010 12:20:03 PM	1419.600	PSIA
84	Dec 03, 2010 12:25:00 PM	1422.400	PSIA
85	Dec 03, 2010 12:30:23 PM	1431.200	PSIA
86	Dec 03, 2010 12:35:05 PM	1435.800	PSIA
87	Dec 03, 2010 12:40:04 PM	1437.200	PSIA
88	Dec 03, 2010 12:45:15 PM	1444.200	PSIA
89	Dec 03, 2010 12:50:31 PM	1453.800	PSIA
90	Dec 03, 2010 12:55:06 PM	1454.000	PSIA
91	Dec 03, 2010 01:00:00 PM	1463.800	PSIA
92	Dec 03, 2010 01:05:00 PM	1477.200	PSIA
93	Dec 03, 2010 01:10:15 PM	1488.200	PSIA
94	Dec 03, 2010 01:15:00 PM	1489.200	PSIA
95	Dec 03, 2010 01:20:09 PM	1499.800	PSIA
96	Dec 03, 2010 01:25:04 PM	1497.600	PSIA
97	Dec 03, 2010 01:30:01 PM	1504.600	PSIA
98	Dec 03, 2010 01:35:02 PM	1508.400	PSIA
99	Dec 03, 2010 01:40:01 PM	1513.600	PSIA
100	Dec 03, 2010 01:45:01 PM	1520.600	PSIA
101	Dec 03, 2010 01:50:02 PM	1521.000	PSIA
102	Dec 03, 2010 01:55:00 PM	1528.200	PSIA
103	Dec 03, 2010 02:00:00 PM	1533.400	PSIA
104	Dec 03, 2010 02:05:01 PM	1548.200	PSIA
105	Dec 03, 2010 02:10:00 PM	1548.800	PSIA
106	Dec 03, 2010 02:15:01 PM	1553.400	PSIA
107	Dec 03, 2010 02:20:02 PM	1553.400	PSIA
108	Dec 03, 2010 02:25:01 PM	1555.600	PSIA
109	Dec 03, 2010 02:30:00 PM	1559.600	PSIA
110	Dec 03, 2010 02:35:00 PM	1565.600	PSIA
111	Dec 03, 2010 02:40:00 PM	1569.200	PSIA
112	Dec 03, 2010 02:45:00 PM	1575.600	PSIA
113	Dec 03, 2010 02:50:01 PM	1576.400	PSIA
114	Dec 03, 2010 02:55:00 PM	1582.400	PSIA
115	Dec 03, 2010 03:00:01 PM	1584.400	PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Dec 06, 2010 09:21:34 AM MST  
 File Name: C:\Program Files\PTC® Instruments 2.00\Sandwash 13-31-8-17 ISIP (12-3-10).csv  
 Title: Sandwash 13-31-8-17 ISIP (12-3-10)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Dec 03, 2010 03:00:15 PM MST  
 Data End Date: Dec 03, 2010 03:30:16 PM MST  
 Reading Rate: 2 Seconds  
 Readings: 1 to 31 of 31  
 Last Calibration Date: May 22, 2009  
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Dec 03, 2010 03:00:15 PM	1578.000	PSIA
2	Dec 03, 2010 03:01:16 PM	1507.600	PSIA
3	Dec 03, 2010 03:02:15 PM	1493.400	PSIA
4	Dec 03, 2010 03:03:15 PM	1484.200	PSIA
5	Dec 03, 2010 03:04:15 PM	1475.600	PSIA
6	Dec 03, 2010 03:05:15 PM	1468.400	PSIA
7	Dec 03, 2010 03:06:15 PM	1461.600	PSIA
8	Dec 03, 2010 03:07:15 PM	1456.400	PSIA
9	Dec 03, 2010 03:08:16 PM	1450.800	PSIA
10	Dec 03, 2010 03:09:15 PM	1445.400	PSIA
11	Dec 03, 2010 03:10:15 PM	1440.400	PSIA
12	Dec 03, 2010 03:11:16 PM	1436.800	PSIA
13	Dec 03, 2010 03:12:15 PM	1432.600	PSIA
14	Dec 03, 2010 03:13:15 PM	1427.400	PSIA
15	Dec 03, 2010 03:14:16 PM	1424.000	PSIA
16	Dec 03, 2010 03:15:15 PM	1420.200	PSIA
17	Dec 03, 2010 03:16:15 PM	1416.200	PSIA
18	Dec 03, 2010 03:17:15 PM	1412.600	PSIA
19	Dec 03, 2010 03:18:15 PM	1409.200	PSIA
20	Dec 03, 2010 03:19:15 PM	1407.000	PSIA
21	Dec 03, 2010 03:20:15 PM	1403.600	PSIA
22	Dec 03, 2010 03:21:15 PM	1401.000	PSIA
23	Dec 03, 2010 03:22:15 PM	1398.400	PSIA
24	Dec 03, 2010 03:23:15 PM	1395.000	PSIA
25	Dec 03, 2010 03:24:16 PM	1392.000	PSIA
26	Dec 03, 2010 03:25:15 PM	1389.000	PSIA
27	Dec 03, 2010 03:26:15 PM	1386.600	PSIA
28	Dec 03, 2010 03:27:16 PM	1384.200	PSIA
29	Dec 03, 2010 03:28:15 PM	1381.400	PSIA
30	Dec 03, 2010 03:29:15 PM	1379.000	PSIA
31	Dec 03, 2010 03:30:16 PM	1377.400	PSIA

## Federal 13-31-8-17 Rate Sheet (12-3-10)

<i>Step # 1</i>	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	200.7	200.7	200.6	200.6	200.6	200.6
	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	200.5	200.5	200.5	200.4	200.4	200.4
<i>Step # 2</i>	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	400.5	400.5	400.5	400.5	400.4	400.4
	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	400.4	400.3	400.3	400.3	400.3	400.2
<i>Step # 3</i>	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	600.5	600.4	600.4	600.4	600.3	600.3
	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	600.3	600.3	600.3	600.3	600.2	600.2
<i>Step # 4</i>	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	800.4	800.4	800.4	800.3	800.3	800.2
	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	800.2	800.2	800.2	800.1	800.1	800.1
<i>Step # 5</i>	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	1000.6	1000.6	1000.6	1000.5	1000.5	1000.5
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	1000.5	1000.4	1000.4	1000.4	1000.4	1000.3
<i>Step # 6</i>	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	1200.5	1200.5	1200.4	1200.4	1200.4	1200.3
	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	1200.3	1200.3	1200.3	1200.2	1200.2	1200.1
<i>Step # 7</i>	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	1400.6	1400.6	1400.5	1400.5	1400.5	1400.4
	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	1400.4	1400.4	1400.3	1400.2	1400.2	1400.2
<i>Step # 8</i>	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	1600.4	1600.3	1600.3	1600.3	1600.3	1600.2
	Time:	1:35	1:40	1:45	1:50	1:55	2:00
	Rate:	1600.2	1600.2	1600.2	1600.1	1600.1	1600

*Step # 9*

Time:	<u>2:05</u>	<u>2:10</u>	<u>2:15</u>	<u>2:20</u>	<u>2:25</u>	<u>2:30</u>
Rate:	<u>1800.7</u>	<u>1800.7</u>	<u>1800.7</u>	<u>1800.6</u>	<u>1800.5</u>	<u>1800.5</u>
Time:	<u>2:35</u>	<u>2:40</u>	<u>2:45</u>	<u>2:50</u>	<u>2:55</u>	<u>3:00</u>
Rate:	<u>1800.5</u>	<u>1800.5</u>	<u>1800.5</u>	<u>1800.4</u>	<u>1800.4</u>	<u>1800.4</u>



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

APR 20 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)  
Minor Permit Modification  
Authorization to Continue Injection  
EPA UIC Permit UT20847-08431  
Well: Sandwash 13-31-8-17  
SWSW Sec. 31-T8S-R17E  
Duchesne County, UT  
API No.: 43-013-32445

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) January 4, 2011, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Sandwash 13-31-8-17 well. The enclosed Step Rate Test (SRT) and Radioactive Tracer Survey (RTS) results were reviewed and approved by EPA. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.753 psi/ft. EPA's analysis of the data agrees with this determination which results in a calculated MAIP of 1,425 psig. Therefore, the MAIP for UIC Permit UT 20847-08431 is hereby increased to 1,425 psig from the 835 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Sandwash 13-31-8-17 well under the terms and conditions of UIC Permit UT20847-08431 at the MAIP of 1,425 psig.

**RECEIVED**  
**MAY 18 2011**  
**DIV. OF OIL, GAS & MINING**

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in a request for a higher MAIP, a RTS conducted at the new MAIP is required.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:

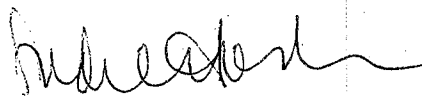
FOR RECORD OF

US EPA, Region 8  
Attn: Nathan Wiser  
MC: ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Bob Near at 303-312-6278 or 800-227-8917 (ext. 312-6278).

Sincerely,



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  
Ronald Wopsock, 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



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RE: Underground Injection Control (UIC)  
Minor Permit Modification  
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EPA UIC Permit UT20847-08431  
Well: Sandwash 13-31-8-17  
SWSW Sec. 31-T8S-R17E  
Duchesne County, UT  
API No.: 43-013-32445

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As of the date of this letter, EPA authorizes continued injection into the Sandwash 13-31-8-17 well under the terms and conditions of UIC Permit UT20847-08431 at the MAIP of 1,425 psig.

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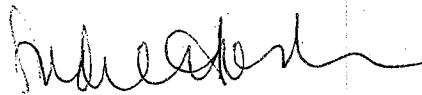
FOR RECORD OF UIC PERMITS

US EPA, Region 8  
 Attn: Nathan Wisler  
 MC: ENF-UFO  
 1595 Wynkoop Street  
 Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wisler of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Bob Near at 303-312-6278 or 800-227-8917 (ext. 312-6278).

Sincerely,



*je* 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  
 Ronald Wopsock, 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



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

APR 20 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)  
Minor Permit Modification  
Authorization to Continue Injection  
EPA UIC Permit UT20847-08431  
Well: Sandwash 13-31-8-17  
SWSW Sec. 31-T8S-R17E  
Duchesne County, UT  
API No.: 43-013-32445

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) January 4, 2011, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Sandwash 13-31-8-17 well. The enclosed Step Rate Test (SRT) and Radioactive Tracer Survey (RTS) results were reviewed and approved by EPA. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.753 psi/ft. EPA's analysis of the data agrees with this determination which results in a calculated MAIP of 1,425 psig. Therefore, the MAIP for UIC Permit UT 20847-08431 is hereby increased to 1,425 psig from the 835 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Sandwash 13-31-8-17 well under the terms and conditions of UIC Permit UT20847-08431 at the MAIP of 1,425 psig.

**RECEIVED**  
**MAY 18 2011**  
**DIV. OF OIL, GAS & MINING**



You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in a request for a higher MAIP, a RTS conducted at the new MAIP is required.

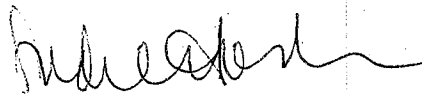
As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:

FOR RECORD OF  
 US EPA, Region 8  
 Attn: Nathan Wisler  
 MC: ENF-UFO  
 1595 Wynkoop Street  
 Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wisler of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Bob Near at 303-312-6278 or 800-227-8917 (ext. 312-6278).

Sincerely,



je  
 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  
 Ronald Wopsock, 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> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: SAND WASH FED 13-31-8-17
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013324450000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2206 FSL 0655 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 31 Township: 08.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/5/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 02/05/2015 the casing was pressured up to 1692 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1363 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08431

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 18, 2015

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/9/2015	

## 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: 02 / 05 / 15  
 Test conducted by: Michael Jensen  
 Others present: \_\_\_\_\_

Well Name: <u>Sandwash Federal B-31-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>Lot 4</u> Sec: <u>31</u> T <u>8</u> N <u>15</u> R <u>17</u> (E) W	County: <u>Duchesne</u>	State: <u>Ut</u>
Operator: <u>Newfield</u>		
Last MIT: <u>  /  /  </u>	Maximum Allowable Pressure: <u>1407</u>	PSIG

-08431

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: 103 bpd

Pre-test casing/tubing annulus pressure: 0 / 1363 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1363</u> psig	psig	psig
End of test pressure	<u>1363</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1691.6</u> psig	psig	psig
5 minutes	<u>1692.2</u> psig	psig	psig
10 minutes	<u>1692.2</u> psig	psig	psig
15 minutes	<u>1692.0</u> psig	psig	psig
20 minutes	<u>1691.8</u> psig	psig	psig
25 minutes	<u>1692.0</u> psig	psig	psig
30 minutes	<u>1691.6</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

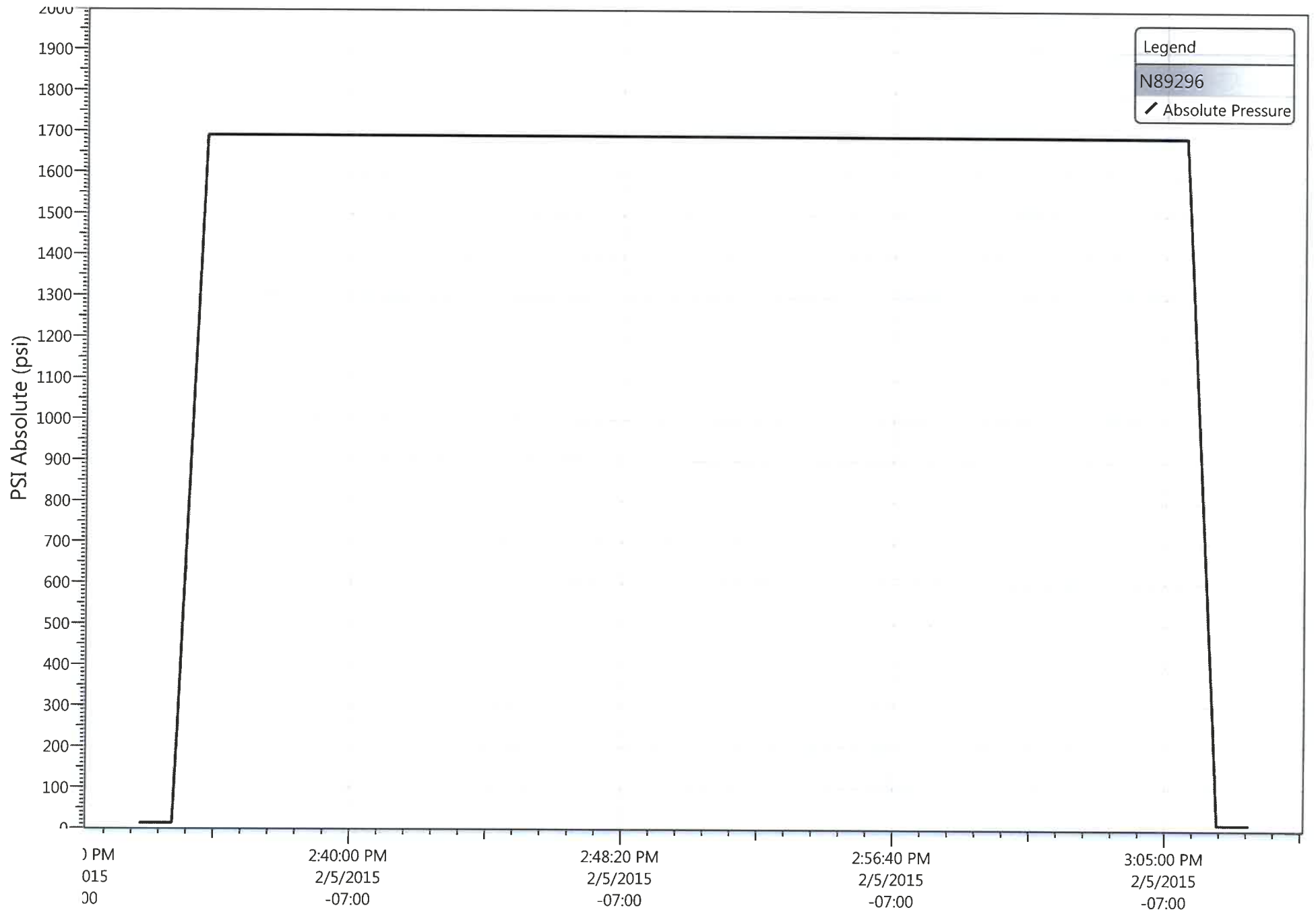
## MECHANICAL INTEGRITY PRESSURE TEST

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: \_\_\_\_\_

### SandWash Federal 13-31-8-17 5 ye

2/5/2015 2:32:57 PM



# SandWash Federal 13-31-8-17

Spud Date: 01/05/06  
 Put on Production: 03/05/06  
 GL: 5363' KB: 5375'

## Injection Wellbore Diagram

### SURFACE CASING

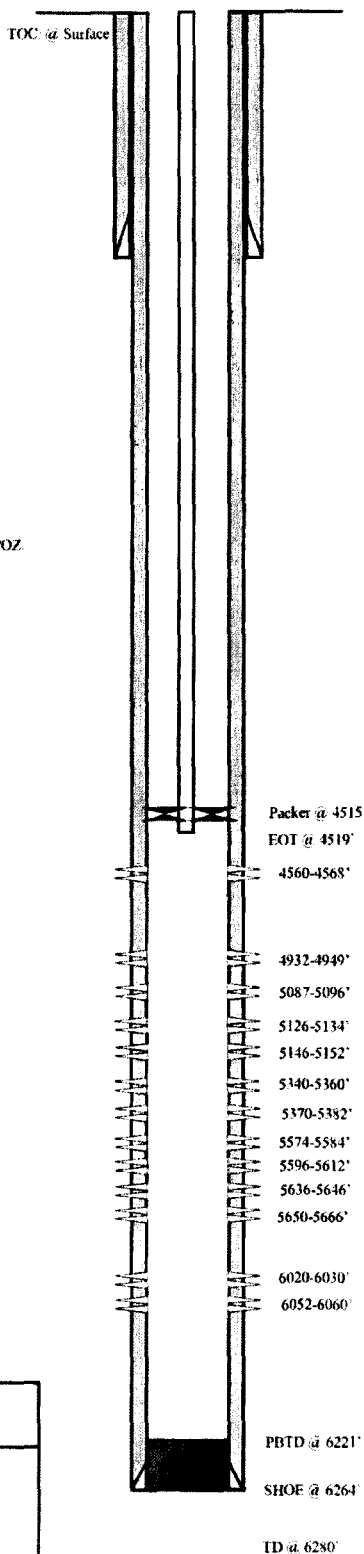
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (314.16')  
 DEPTH LANDED: 326.01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts. (6251.70')  
 DEPTH LANDED: 6264.95' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 375 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP @ Surface

### TUBING

SIZE GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 140 jts (4498.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4510.7'  
 CE @ 4515.08'  
 TOTAL STRING LENGTH: EO1 @ 4519 w/ 12' KB'



### FRAC JOB

<p>02/23/06 6020-6060'  02/24/06 5574-5666'  02/24/06 5340-5382'  02/24/06 5087-5152'  02/24/06 4932-4949'  02/24/06 4560-4568'  05/24/06  11/15/06  12-29-07 03/09/2010 03/11/2010</p>	<p>Frac CP2, CP3 sands as follows: 70339# 20/40 sand in 659 bbls Lightning 17 frac fluid. Treated @ avg press of 1995 psi w/avg rate of 24.7 BPM. ISIP 2050 psi. Calc flush: 6058 gal. Actual flush: 5418 gal.</p> <p>Frac LODC, A3, A1 sands as follows: 295743# 20/40 sand in 1943 bbls Lightning 17 frac fluid. Treated @ avg press of 1985 psi w/avg rate of 37.6 BPM. ISIP 2100 psi. Calc flush: 5664 gal. Actual flush: 5544 gal.</p> <p>Frac B1, B2 sands as follows: 40413# 20/40 sand 431 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 24.5 BPM. ISIP 2200 psi. Calc flush: 5380 gal. Actual flush: 4788 gal.</p> <p>Frac D1, D2 sands as follows: 103043# 20/40 sand in 709 bbls Lightning 17 frac fluid. Treated @ avg press of 2238 psi w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc flush: 5150 gal. Actual flush: 4536 gal.</p> <p>Frac DS1 sands as follows: 79993# 20/40 sand in 592 bbls Lightning 17 frac fluid. Treated @ avg press 2083 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 4947 gal. Actual flush: 4368 gal.</p> <p>Frac GB4 sands as follows: 35987# 20/40 sand in 352 bbls Lightning 17 frac fluid. Treated @ avg press 1863 psi w/avg rate of 24.6 BPM. ISIP 1850 psi. Calc flush: 4566 gal. Actual flush: 4452 gal.</p> <p>Stuck pump. Updated rod and tubing details.</p> <p>Stuck Pump. Update rod and tubing details.</p> <p>Tubing Leak. Updated rod &amp; tubing details Convert to Injection Well MIT Completed - tbg detail updated</p>
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### PERFORATION RECORD

Date	Interval	Tool	Holes
02/20/06	6052-6060'	4 JSPF	32 holes
02/20/06	6020-6030'	4 JSPF	40 holes
02/23/06	5630-5666'	4 JSPF	64 holes
02/23/06	5636-5646'	4 JSPF	40 holes
02/23/06	5596-5612'	4 JSPF	64 holes
02/23/06	5574-5584'	4 JSPF	40 holes
02/24/06	5370-5382'	4 JSPF	48 holes
02/24/06	5340-5360'	4 JSPF	80 holes
02/24/06	5146-5152'	4 JSPF	24 holes
02/24/06	5126-5134'	4 JSPF	32 holes
02/24/06	5087-5096'	4 JSPF	36 holes
02/24/06	4932-4949'	4 JSPF	68 holes
02/24/06	4560-4568'	4 JSPF	32 holes

**NEWFIELD**

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**SandWash Federal 13-31-8-17**

2206' FSL & 655' FWL

SW/SW Section 31-T8S-R17E

Duchesne Co. Utah

API #43-013-32445; Lease #UTU-74869

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74869
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> Greater Monument Butte
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> Sand Wash Fed 13-31-8-17
<b>2. NAME OF OPERATOR:</b> Newfield Production Company	<b>9. API NUMBER:</b> 43013324450000
<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2206 FSL 655 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 31 Township: 8S Range: 17E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> </table>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<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
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<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK														
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/6/2020																
<input type="checkbox"/> SPUD REPORT Date of Spud:																
<input type="checkbox"/> DRILLING REPORT Report Date:																
	<table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 80px;" type="text" value="MIT"/></td> </tr> </table>	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 80px;" type="text" value="MIT"/>
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**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

A 5 YR MIT was performed on the above listed well. On 01/06/2020 the casing was pressured up to 1034 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1333 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08431

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

**Date:** February 21, 2020

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Field Production Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/8/2020	

## 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: 1 / 6 / 2020

Test conducted by: EVERETT UNRUH

Others present: API-43-013-32445

-08431

**Well Name:** SANOWASH FEDERAL 13-31-8-17 Type: ER SWD Status: AC TA UC  
**Field:** MONUMENT BUTTE  
**Location:** LOT # 4 Sec: 31 T 8 N/S R 17 (E)/W County: Duchesne State: Ut  
**Operator:** Newfield  
**Last MIT:** 2 / 5 / 2015 **Maximum Allowable Pressure:** 1389 **PSIG**

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

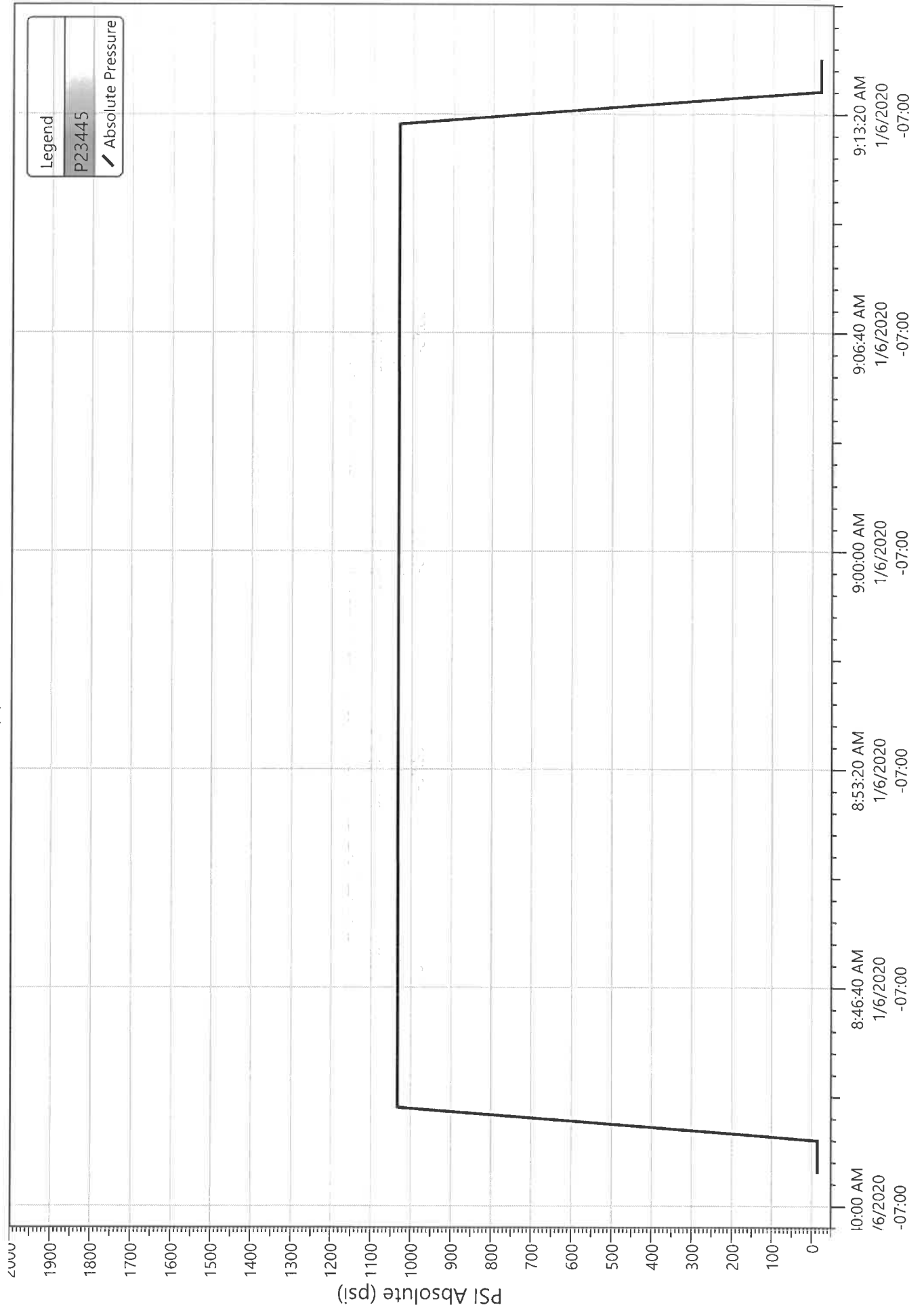
Well injecting during test? If Yes, rate: 0 bpd  
 Pre-test annulus pressure: 0 psig


MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>		<b>PRESSURE RECORD</b>	
<i>Initial Pressure</i>	1333 psig	psig	psig
<i>End of test pressure</i>	1333 psig	psig	psig
<b>CASING / TUBING ANNULUS</b>		<b>PRESSURE RECORD</b>	
<i>0 minutes</i>	1033.0 psig	psig	psig
<i>5 minutes</i>	1033.0 psig	psig	psig
<i>10 minutes</i>	1033.4 psig	psig	psig
<i>15 minutes</i>	1033.4 psig	psig	psig
<i>20 minutes</i>	1034.2 psig	psig	psig
<i>25 minutes</i>	1034.0 psig	psig	psig
<i>30 minutes</i>	1034.2 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, NO psig.



Sandwash Federal 13-31-8-17 (1/6/2020, 5 yr. MIT)  
1/6/2020 8:40:11 AM



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2206 FSL 655 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 31 Township: 8S Range: 17E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> 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 Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/18/2020  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <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 checked="" 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	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> An MIT was performed on the above listed well. Regarding 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 03/18/2020 the casing was pressured up to 1045 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1310 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08431		
		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> <u>April 17, 2020</u>  <b>By:</b> 
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Field Production Assistant
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/26/2020

## 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: 3 / 18 / 2020

Test conducted by: R. Ly Basly

Others present: \_\_\_\_\_ 43-013-32445-08431

Well Name: <u>Sandwich Fe<sub>2</sub></u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monomat Butte</u>		
Location: <u>13</u> Sec: <u>31</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>Duchene</u> State: <u>VT</u>		
Operator: _____		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: <u>1389</u> PSIG

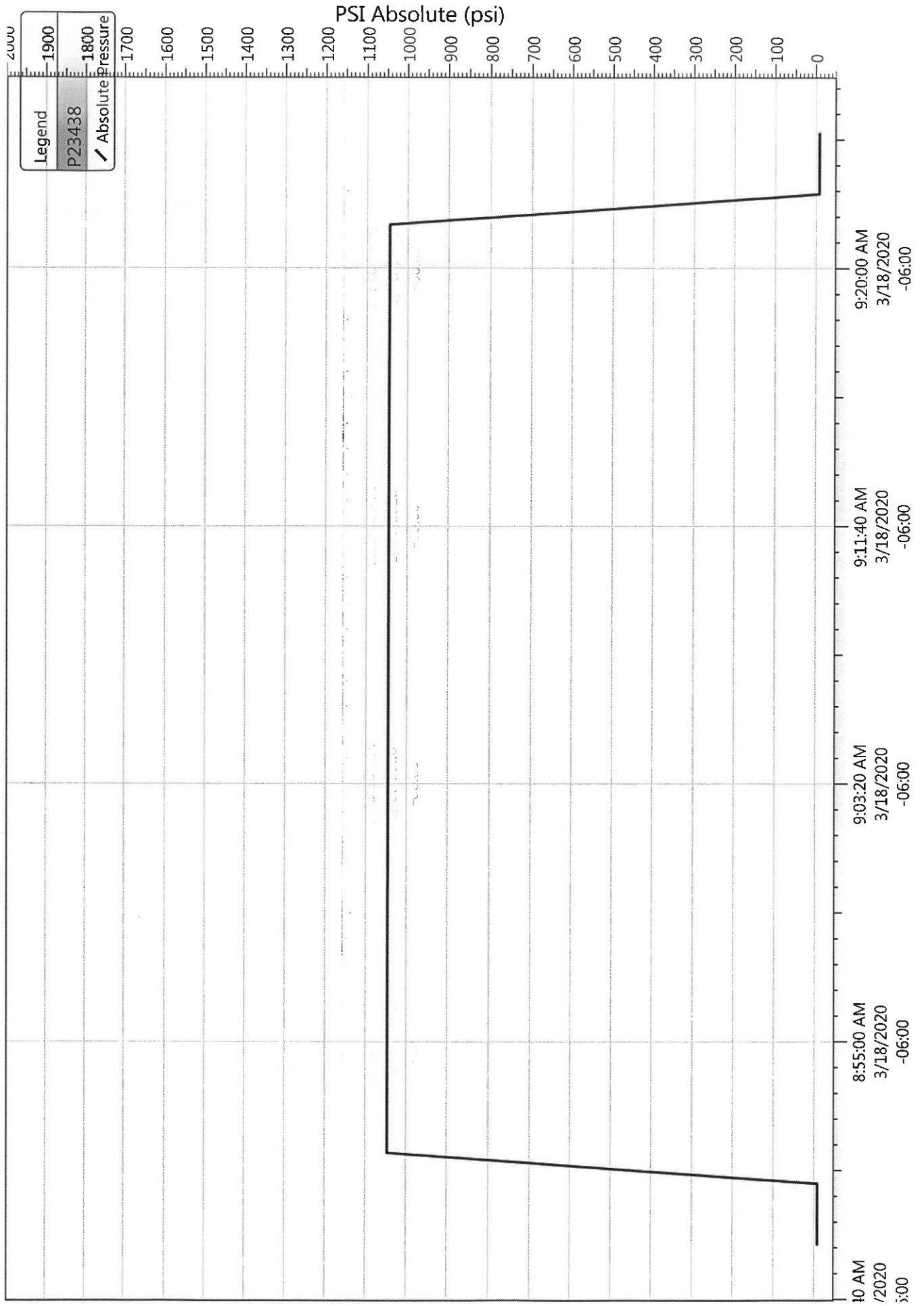
- Regularly scheduled test? [ ] Yes [x] No
- Initial test for permit? [ ] Yes [x] No
- Test after well rework? [ ] Yes [x] No

Well injecting during test? If Yes, rate: 0 bpd  
Pre-test annulus pressure: 1312 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE RECORD</b>		
Initial Pressure	<u>1312</u> psig	psig	psig
End of test pressure	<u>1310</u> psig	psig	psig
<b>CASING / TUBING ANNULUS</b>	<b>PRESSURE RECORD</b>		
0 minutes	<u>1046</u> psig	psig	psig
5 minutes	<u>1044</u> psig	psig	psig
10 minutes	<u>1045</u> psig	psig	psig
15 minutes	<u>1045</u> psig	psig	psig
20 minutes	<u>1045</u> psig	psig	psig
25 minutes	<u>1045</u> psig	psig	psig
30 minutes	<u>1045</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

Sandwash fed 13-31-8-17  
3/18/2020 8:48:09 AM



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

Effective Date: 1/24/2020

<b>FORMER OPERATOR:</b> Newfield Production Company	<b>NEW OPERATOR:</b> 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:**

- Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
- Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
- New operator Division of Corporations Business Number: 755627-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
- Reports current for Production/Disposition & Sundries: 1/14/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020

Surface Facility(s) included in operator change:

- 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:**

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**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**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**see attached**

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
**see attached**

2. NAME OF OPERATOR:  
**Newfield Production Company**

9. API NUMBER:  
**attached**

3. ADDRESS OF OPERATOR:  
4 Waterway Square Place St. CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
**(435) 646-4936**

10. FIELD AND POOL, OR WILDCAT:  
**attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

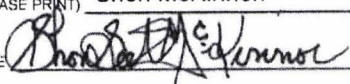
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate) Approximate date work will start: _____	<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"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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"/> 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 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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>see attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>see attached</b>
1. TYPE OF WELL:    OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Newfield Production Company</b>		8. WELL NAME and NUMBER: <b>see attached</b>
3. ADDRESS OF OPERATOR: 4. Waterway Square Place SU CITY The Woodlands    STATE TX    ZIP 77380		9. API NUMBER: <b>attached</b>
PHONE NUMBER: <b>(435) 646-4936</b>		10. FIELD AND POOL, OR WILDCAT: <b>attached</b>
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: _____		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

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 (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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"/> 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 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) <u>Shon McKinnon</u>	TITLE <u>Regulatory Manager, Rockies</u>
SIGNATURE	DATE <u>3/16/2020</u>

(This space for State use only)





**TRANSFER OF AUTHORITY TO INJECT**

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

EFFECTIVE DATE OF TRANSFER: 1/24/2020

**CURRENT OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
city <u>The Woodlands</u> state <u>TX</u> zip <u>77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv Production, Inc</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
city <u>The Woodlands</u> state <u>TX</u> zip <u>77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

(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



Effective Date: 7/1/2021

<b>FORMER OPERATOR:</b> Ovintiv Production, Inc.	<b>NEW OPERATOR:</b> 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:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
- Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
- 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/SI/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:

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

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:  
**Ovintiv Production, Inc.**

9. API NUMBER:

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

PHONE NUMBER:  
**(281) 210-5100**

10. FIELD AND POOL, OR WILDCAT:

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 (Submit in Duplicate)  Approximate date work will start: <u>7/1/2021</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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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"/> 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*



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name See Attached
Footage :	County :	Lease Designation and Number See Attached
QQ, Section, Township, Range:	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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74869
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> Greater Monument Butte
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> Sand Wash Fed 13-31-8-17
<b>2. NAME OF OPERATOR:</b> Ovintiv USA, Inc.		<b>9. API NUMBER:</b> 43013324450000
<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands , TX, 77380	<b>PHONE NUMBER:</b>	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2206 FSL 655 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 31 Township: 8S Range: 17E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> 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 Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/28/2022  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <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	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> A 2 YR MIT was performed on the above listed well. On 02/28/2022 the casing was pressured up to 1131 PSIG and charted for 32 minutes with no pressure loss. The tubing PSIG was 897 PSIG during the test. There was not an EPA representative present to witness the test.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY (This is not an approval) March 09, 2022</b>
<b>NAME (PLEASE PRINT)</b> Teresa Robbins	<b>PHONE NUMBER</b> 435-646-4886	<b>TITLE</b> Warehouse Lead
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/8/2022





March 7, 2022

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

RE: 2 Year MIT  
Well: Sandwash 13-31-8-17  
EPA #: UT22197-08431  
API #: 43-013-32445

Dear Mr. Breffle:

A 2 YR MIT was conducted on the subject well on 02/28/2022. 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: 02/28/2022  
 Test conducted by: Austin Thompson  
 Others present: \_\_\_\_\_

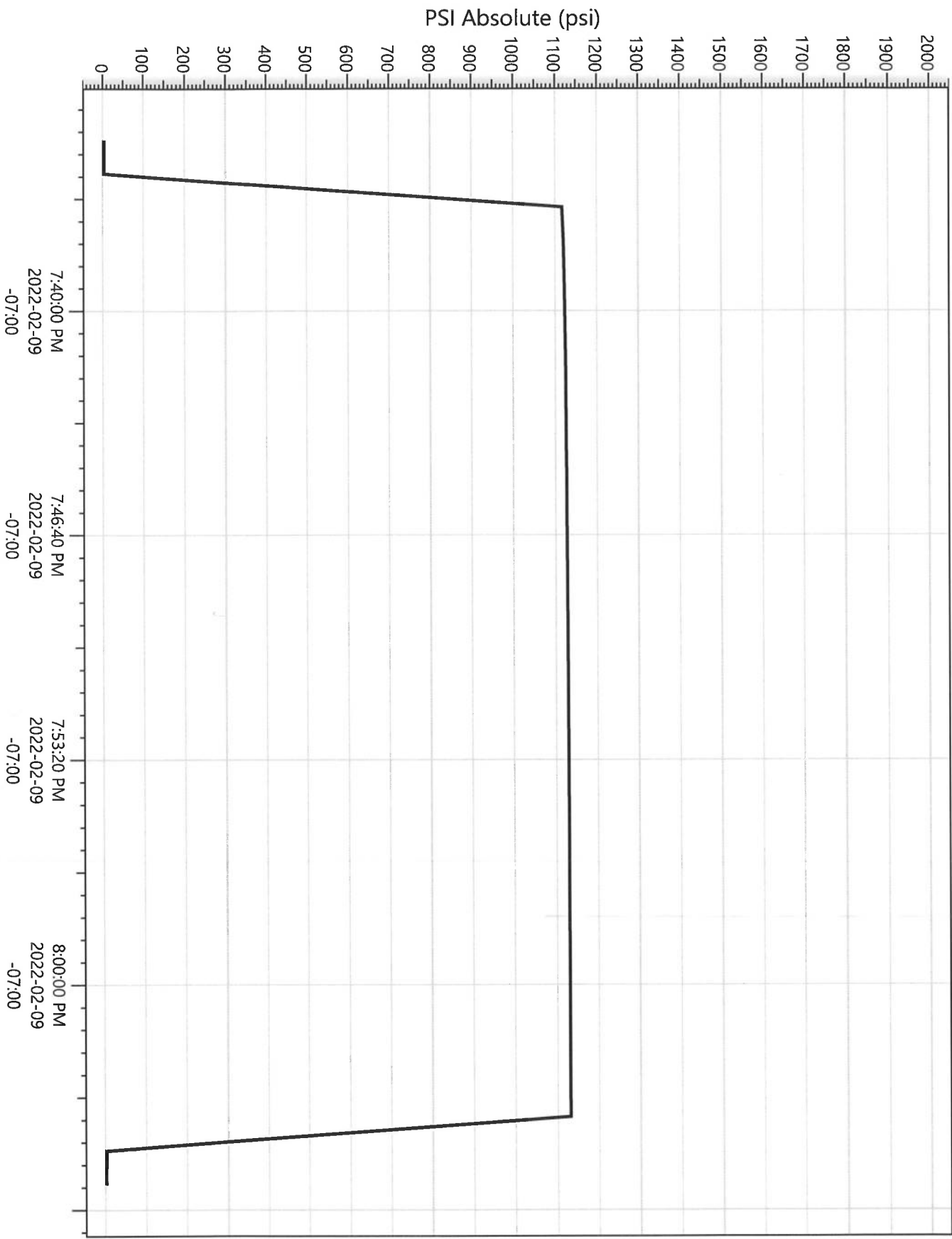
Well Name: <u>Sandwich Federal 13-31-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>13-31-8-17</u> Sec: <u>31</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Austin Thompson</u>		
Last MIT: <u>  /  /  </u> Maximum Allowable Pressure: <u>1389</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	897 psig	psig	psig
End of test pressure	897 psig	psig	psig
<b>CASING / TUBING ANNULUS</b>	<b>PRESSURE RECORD</b>		
0 minutes	$\emptyset$ psig	psig	psig
5 minutes	1121.8 psig	psig	psig
10 minutes	1125.8 psig	psig	psig
15 minutes	1128 psig	psig	psig
20 minutes	1129.4 psig	psig	psig
25 minutes	1130.6 psig	psig	psig
30 minutes	1131.2 psig	psig	psig
<u>32</u> minutes	$\emptyset$ 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.



Sandwash Fed 13-31-8-17 (2yr)  
2022-02-09 7:34:52 PM

Legend
P23423
Pressure

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:**

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

FORM 9

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

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

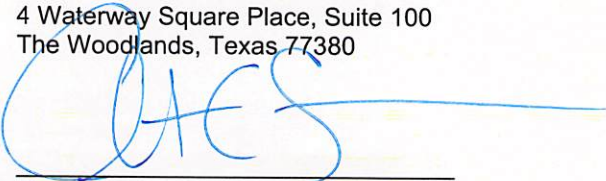
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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"/> 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.

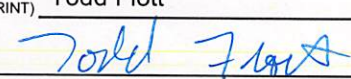
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:  
Ovintiv USA Inc.  
4 Waterway Square Place, Suite 100  
The Woodlands, Texas 77380

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

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

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

NAME (PLEASE PRINT) <u>Todd Flott</u>	TITLE <u>Managing Director</u>
SIGNATURE 	DATE <u>8/31/2022</u>

(This space for State use only)

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





**TRANSFER OF AUTHORITY TO INJECT**

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

EFFECTIVE DATE OF TRANSFER: 9/1/2022

**CURRENT OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Christian C. Sizemore</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Director, Rockies and Land Innovation</u>
Phone: <u>281-210-5100</u>	Date: <u>11/16/2022</u>
Comments: UIC wells under UDOGM Jurisdiction	

**NEW OPERATOR**

Company: <u>Scout Energy Management LLC</u>	Name: <u>Jon Piot</u>
Address: <u>13800 Montford Road, Suite 100</u>	Signature:
<u>city Dallas state TX zip 75240</u>	Title: <u>Managing Director</u>
Phone: <u>972-325-1027</u>	Date: <u>11/15/2022</u>
Comments: Change of operator effective 9/1/2022	

(This space for State use only)

EPA approval required

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