

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 11-31-8-17 and 14-31-8-17.

Dear Diana:

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

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

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  DEEPEN   
 1b. TYPE OF WELL  
 OIL GAS SINGLE MULTIPLE  
 WELL  WELL  OTHER  ZONE  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 **NE/SW 2012' FSL 1953' FWL 4436038 Y 40.07261**  
 At proposed Prod. Zone **580960X - 110.05057**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 11.9 miles south of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to)  
**Approx. 1953' f/lse line & 1953' 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. 1,424'**  
 19. PROPOSED DEPTH **6500'**  
 20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5345' GR**  
 22. APPROX. DATE WORK WILL START\*  
**2nd Quarter 2003**

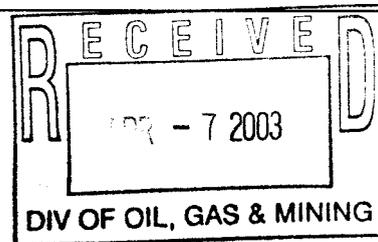
23. PROPOSED CASING AND CEMENTING PROGRAM

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

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-74869**  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**  
 7. UNIT AGREEMENT NAME  
**Sand Wash**  
 8. FARM OR LEASE NAME WELL NO  
**Sand Wash Federal #11-31-8-17**  
 9. API WELL NO.  
**43-013-32444**  
 10. FIELD AND POOL OR WILDCAT  
**Monument Butte**  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NE/SW Sec. 31, T8S, R17E**  
 12. County  
**Duchesne**  
 13. STATE  
**UT**

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 *M. Cordie Crozier* TITLE Regulatory Specialist DATE 4/4/03

(This space for Federal or State office use)

PERMIT NO. 43-013-32444 APPROVAL DATE \_\_\_\_\_  
 Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in subsurface lands which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:  
 APPROVED BY *Bradley G. Hill* TITLE BRADLEY G. HILL DATE 04-15-03  
**ENVIRONMENTAL SCIENTIST III**

**Federal Approval of this Action is Necessary**

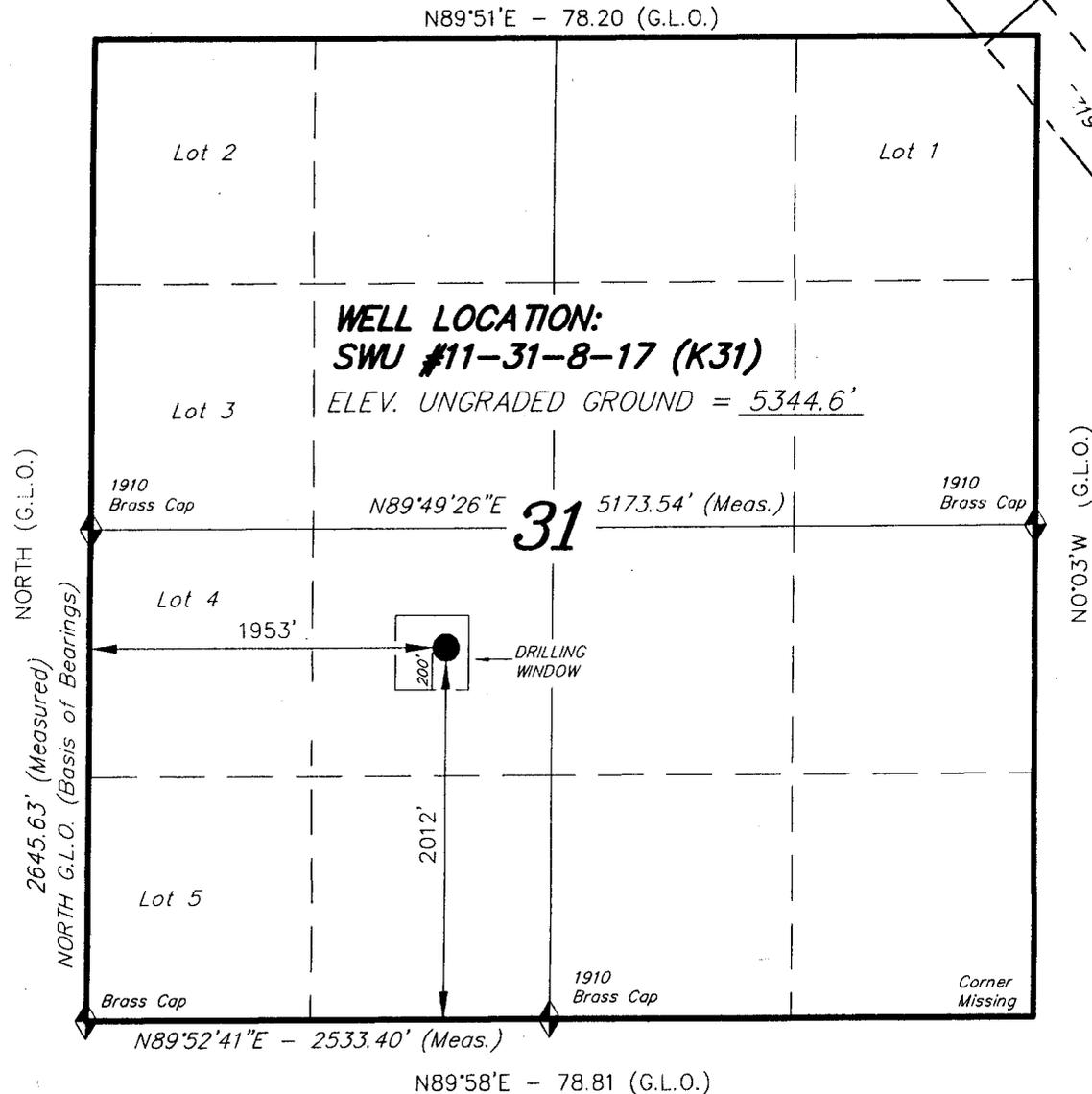
\*See Instructions On Reverse Side

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

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

INLAND PRODUCTION COMPANY

WELL LOCATION, SAND WASH UNIT #11-31-8-17 (K31), LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 31, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

STACY W. STEWART

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

**SWU #11-31-8-17 (K31)**  
 (Surface Location)  
 LATITUDE = 40° 04' 21.43"  
 LONGITUDE = 110° 03' 04.91"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
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 #

INLAND PRODUCTION COMPANY  
SAND WASH FEDERAL #11-31-8-17  
NE/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 #11-31-8-17  
NE/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 #11-31-8-17 located in the NE 1/4 SW 1/4 Section 31, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles  $\pm$  to its junction with an existing dirt road to the southwest; proceed southwesterly - 1.2 miles  $\pm$  to its junction with the beginning of the proposed access road; proceed along the proposed access road - 100'  $\pm$  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 already on file with the Bureau of Land Management.

Inland Production Company requests a 60' ROW for the Sand Wash Federal #11-31-8-17 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 #11-31-8-17 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 #11-31-8-17 NE/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  
Mandie Crozier  
Regulatory Specialist

Well No.: Sand Wash Federal #11-31-8-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Sand Wash Federal #11-31-8-17

API Number:

Lease Number: UTU-74869

Location: NE/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.

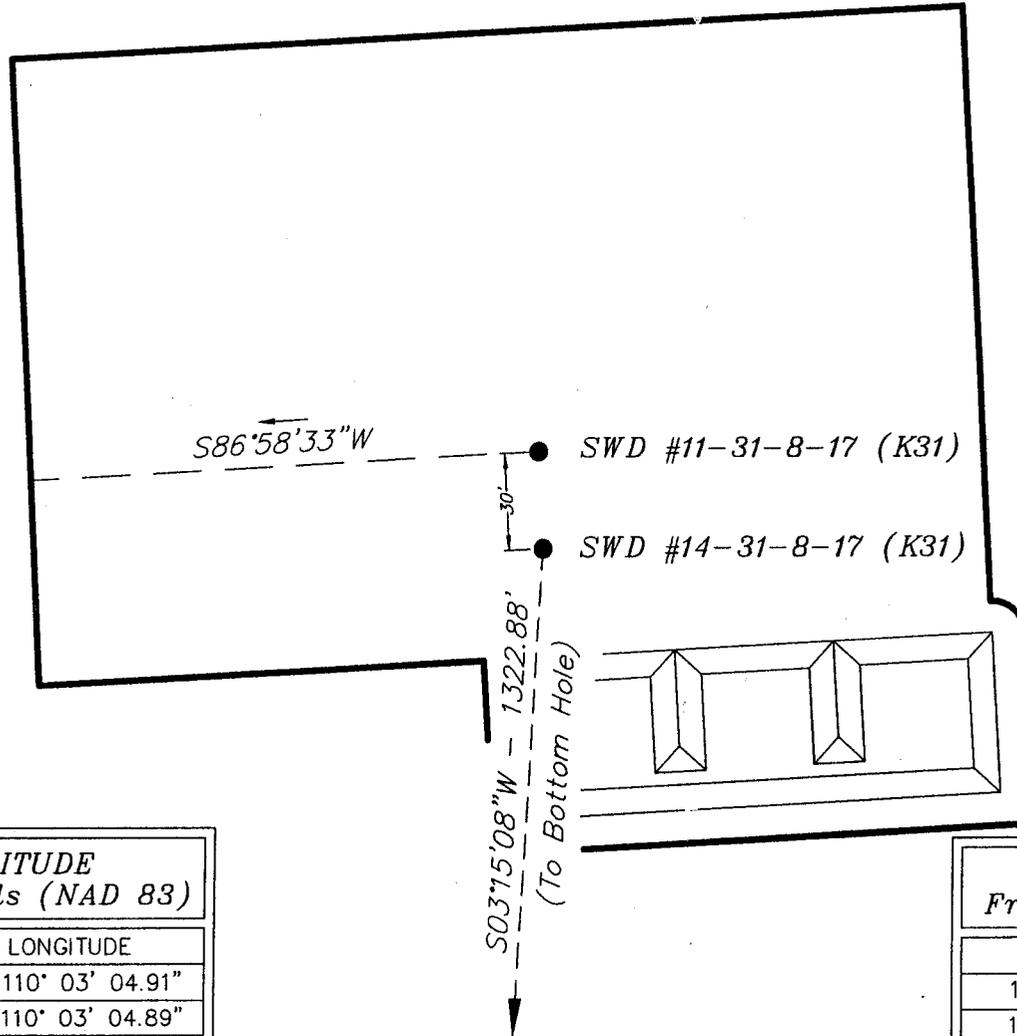
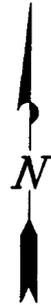
Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

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 (K31-8-17)**  
 Section 31, T8S, R17E, S.L.B.&M.



**TOP HOLE FOOTAGES**

SWD #11-31-8-17 (K31)  
 2012' FSL & 1953' FWL

SWD #14-31-8-17 (K31)  
 1982' FSL & 1954' FWL

**BOTTOM HOLE FOOTAGES**

SWD #11-31-8-17 (K31)  
 Vertical

SWD #14-31-8-17 (K31)  
 662' FSL & 1879' FWL

**LATITUDE & LONGITUDE**  
 Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
11-31	40° 04' 21.43"	110° 03' 04.91"
14-31	40° 04' 21.13"	110° 03' 04.89"

**RELATIVE COORDINATES**  
 From top hole to bottom hole

WELL	NORTH	EAST
11-31	Vertical	
14-31	-1,321'	-75'

SURVEYED BY: D.J.S.

SCALE: 1" = 60'

DRAWN BY: J.R.S.

DATE: 12-27-02

**Tri State**  
 Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# INLAND PRODUCTION COMPANY

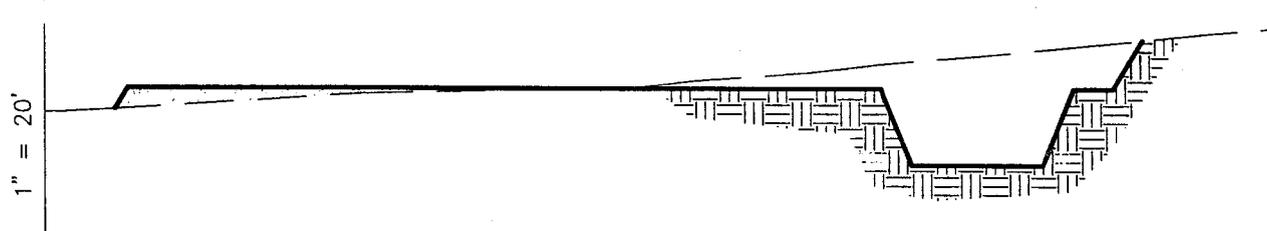
## CROSS SECTIONS

### WELL PAD (K31-8-17)



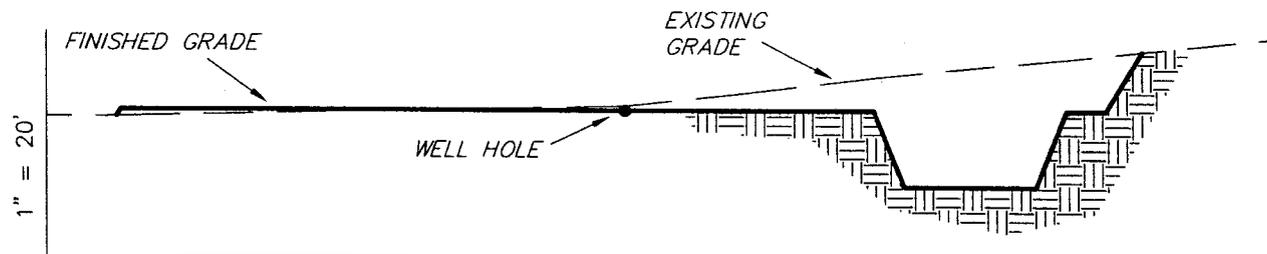
1" = 50'

STA. 3+00



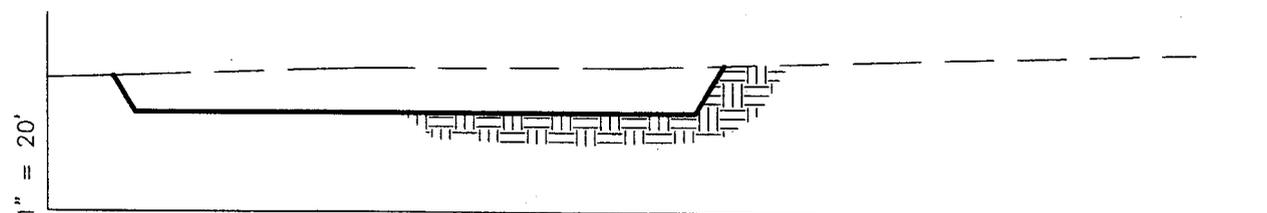
1" = 50'

STA. 2+25



1" = 50'

STA. 1+60



1" = 50'

STA. 0+00

#### ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,210	1,080	Topsoil is not included in Pad Cut	3,130
PIT	1,620	0		1,620
TOTALS	5,830	1,080	1,270	4,750

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

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 12-26-02

Tri State  
Land Surveying, Inc.

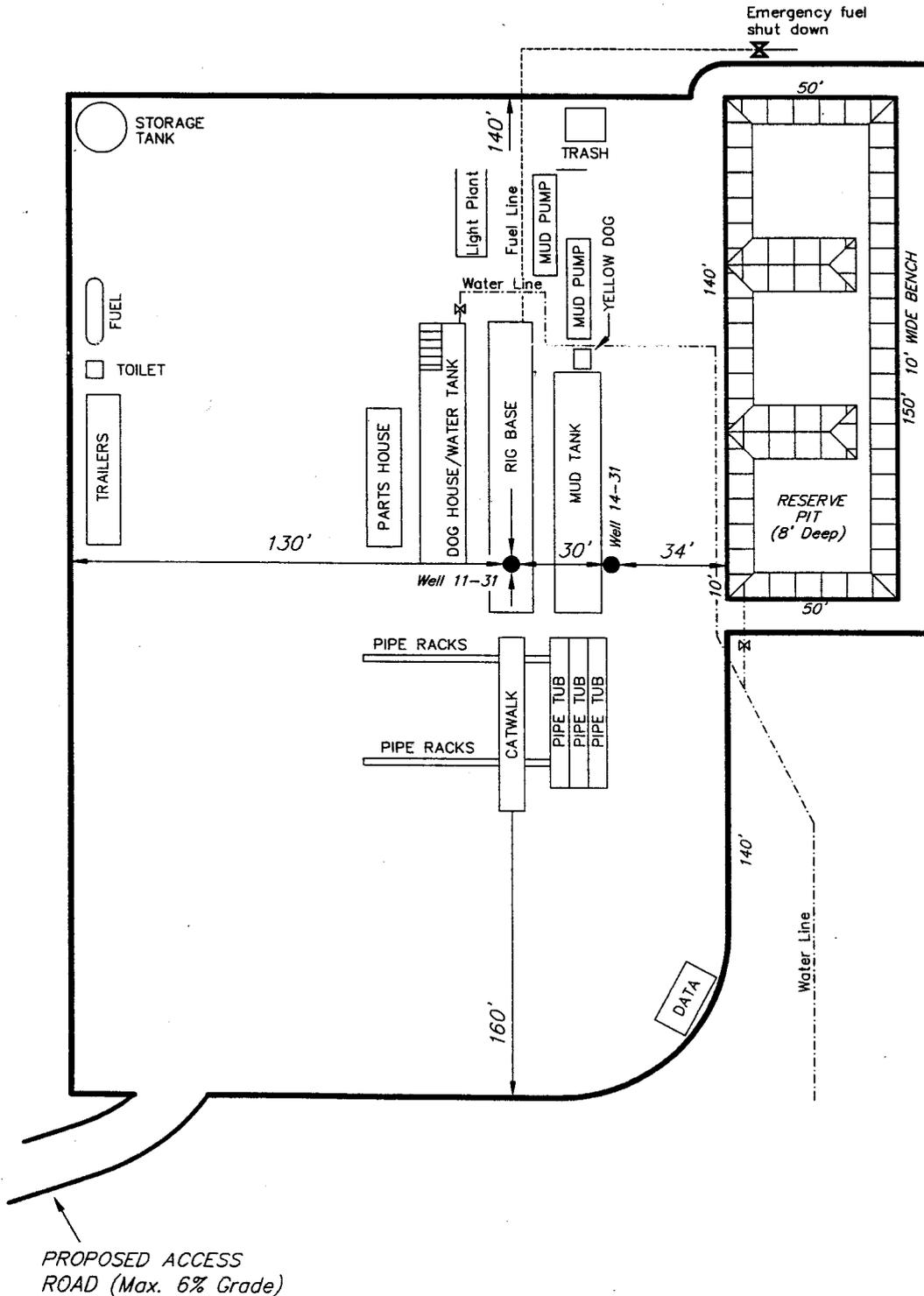
(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### WELL PAD (K31-8-17)



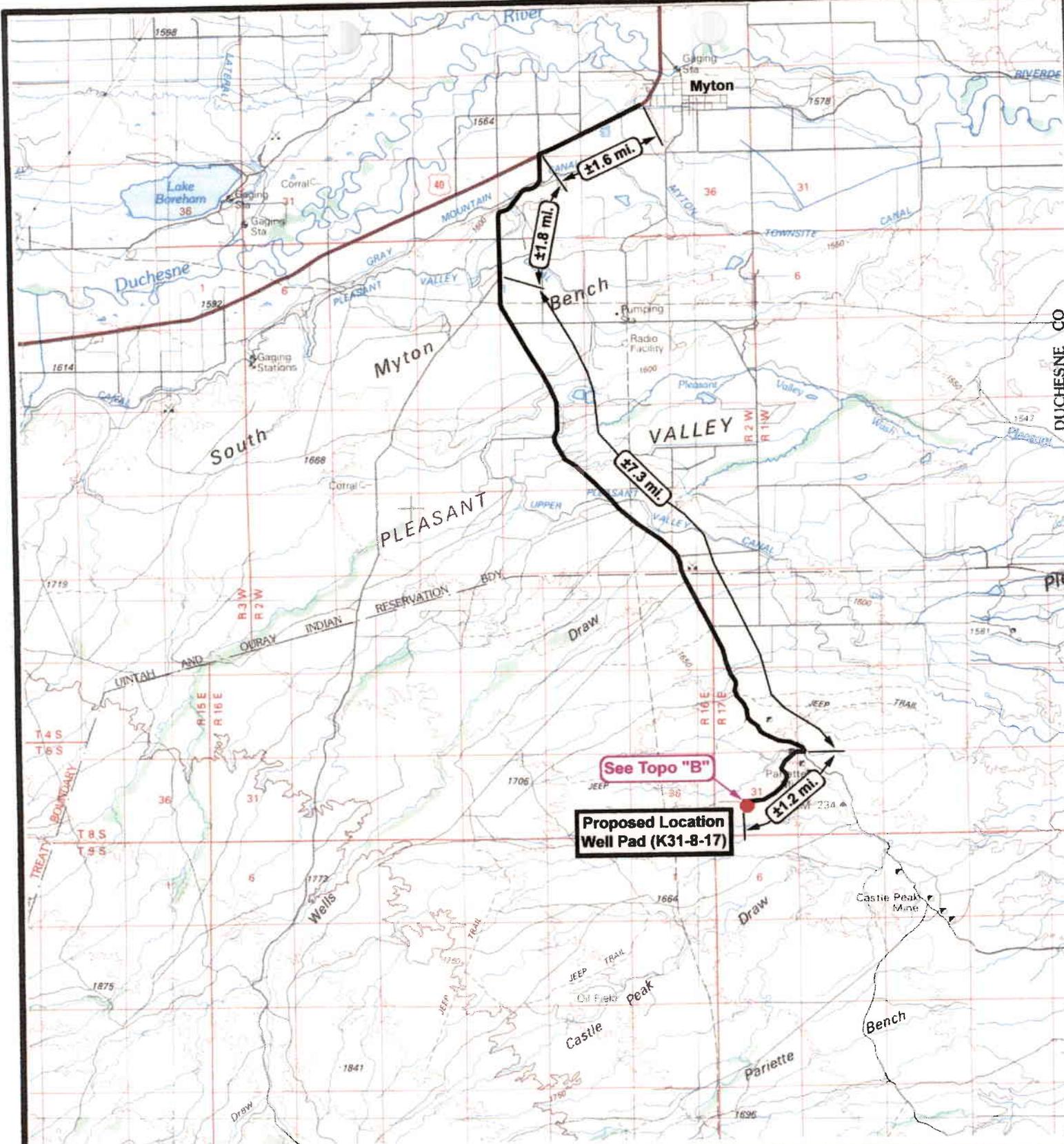
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 12-26-02

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



See Topo "B"

**Proposed Location Well Pad (K31-8-17)**



**Well Pad (K31-8-17)**  
**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

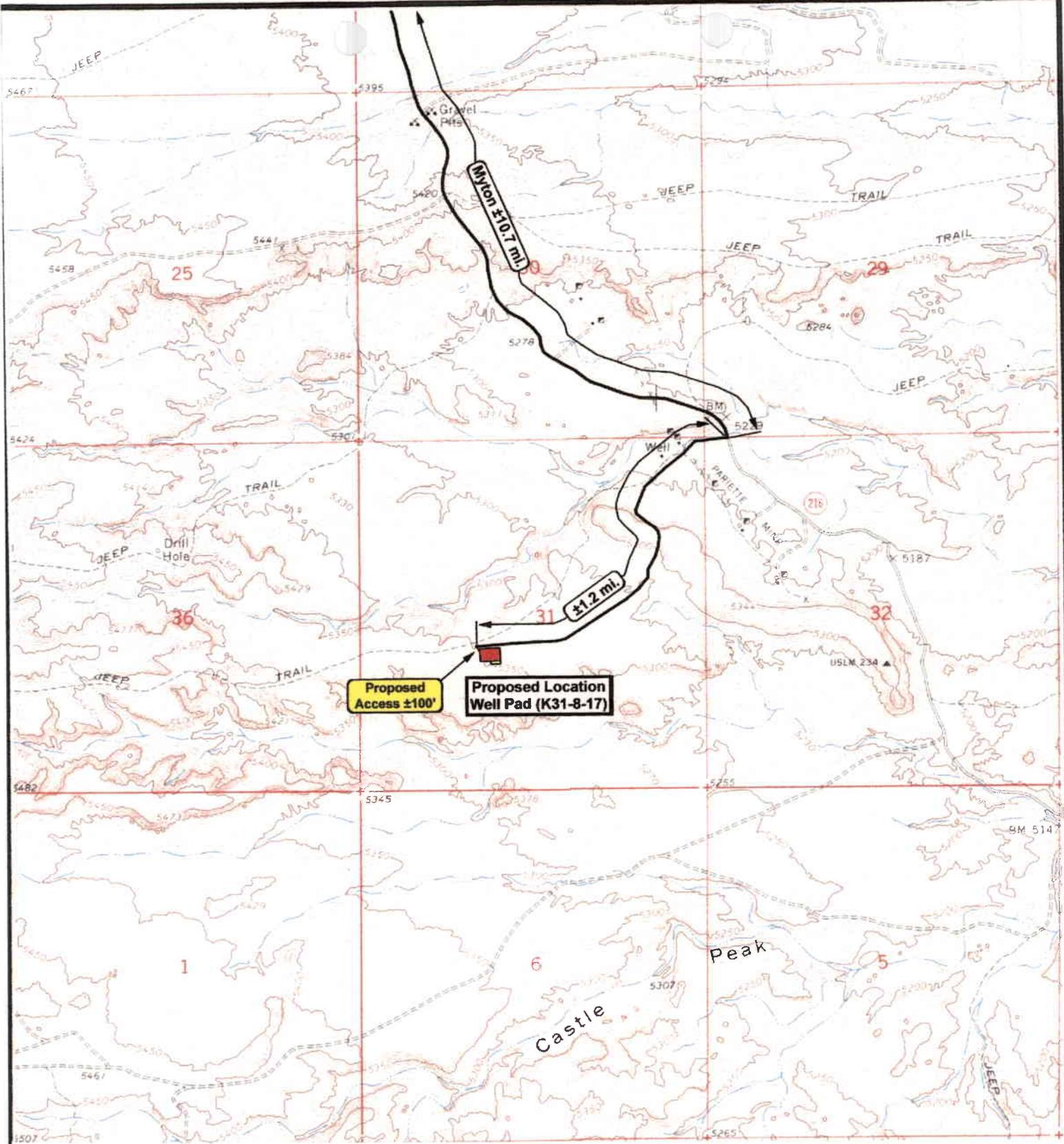
**Legend**

Existing Road

Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Well Pad (K31-8-17)**  
**SEC. 31, T8S, R17E, S.L.B.&M.**



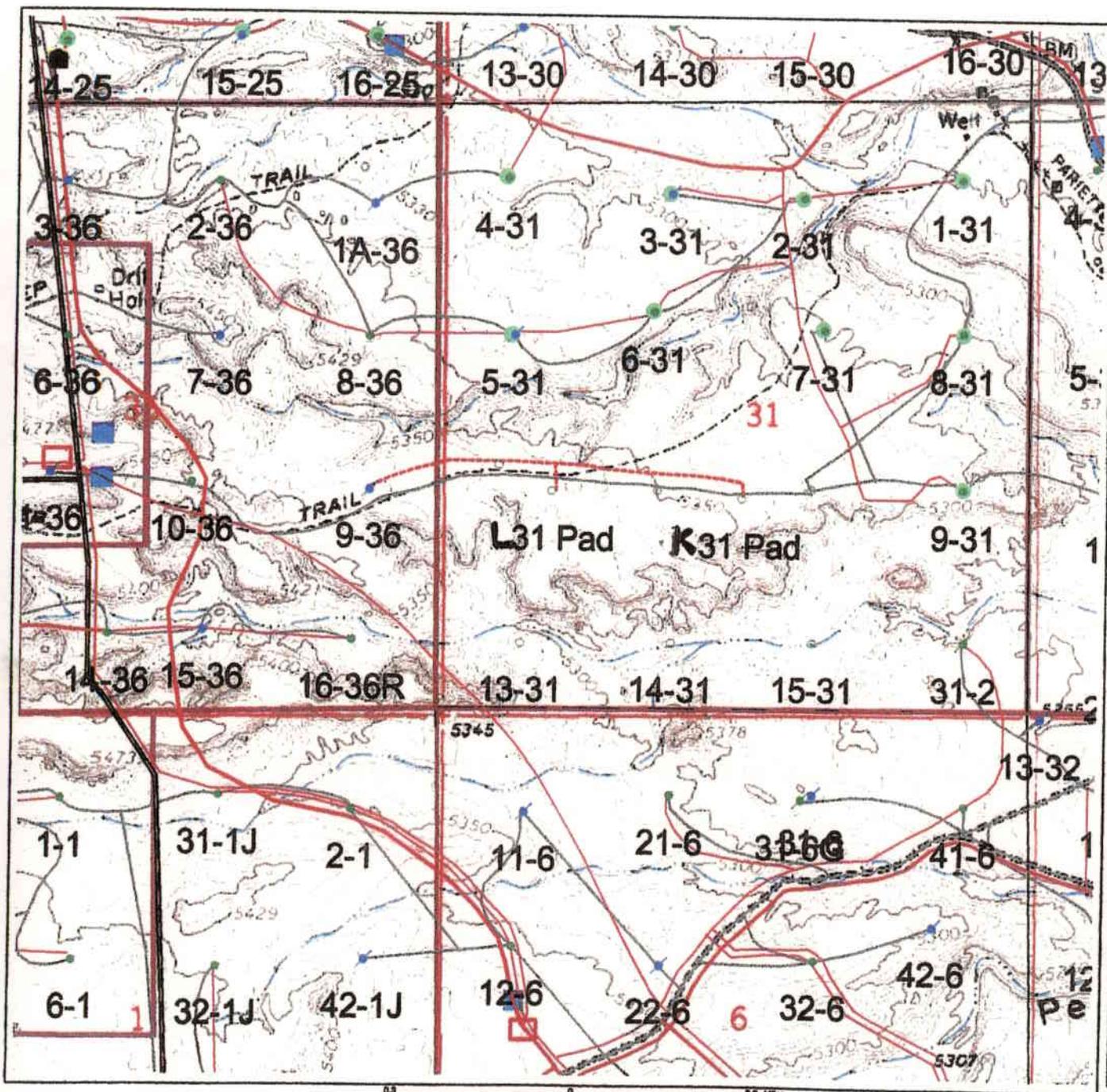
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

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 8 inch and larger
- Proposed 8 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

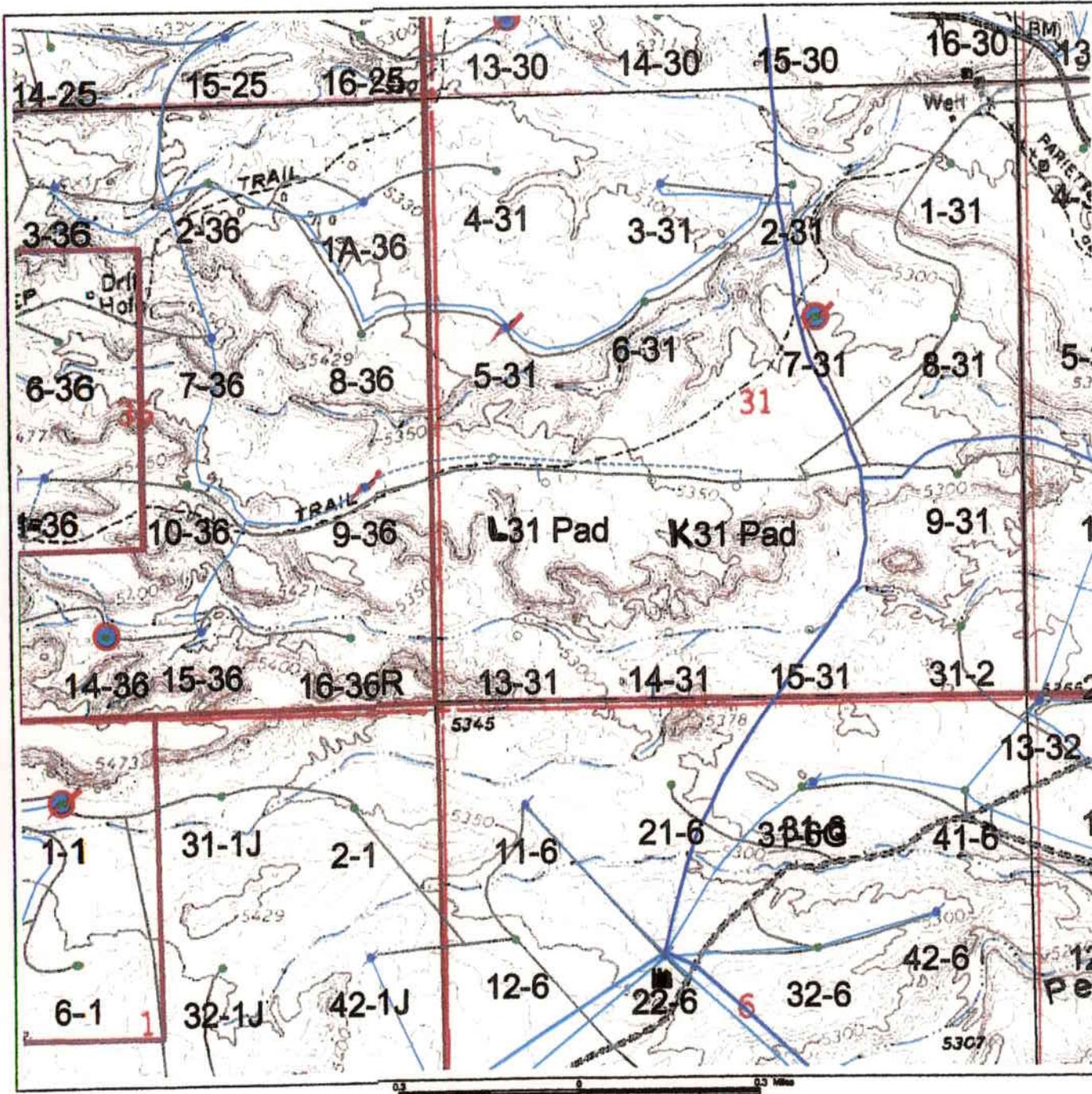


**Inland**  
 410 17<sup>th</sup> Street Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 555-8192

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

G.C. Gupta

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 6 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



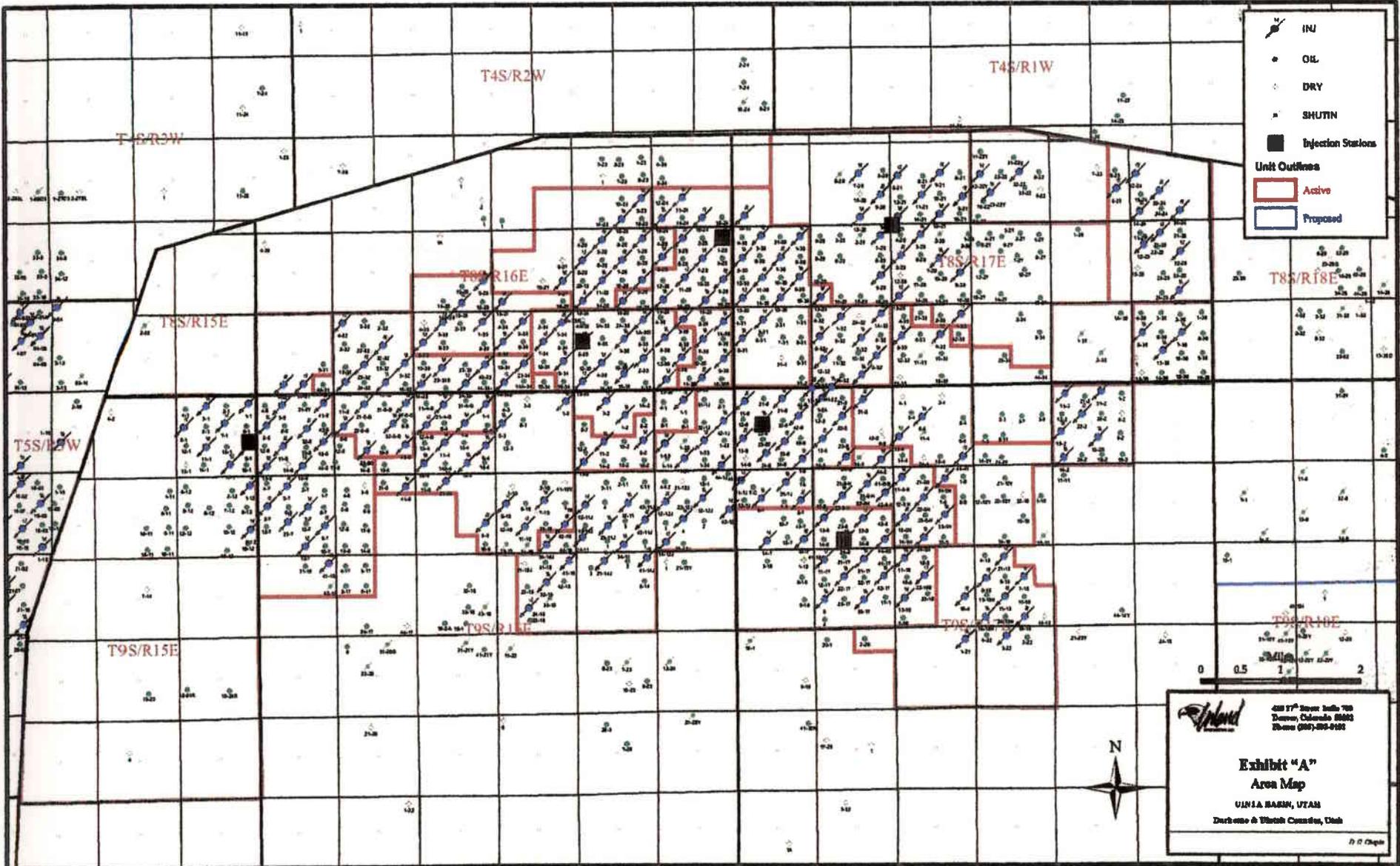
410 17<sup>th</sup> Street Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 493-0102

**Water Pipeline Map**

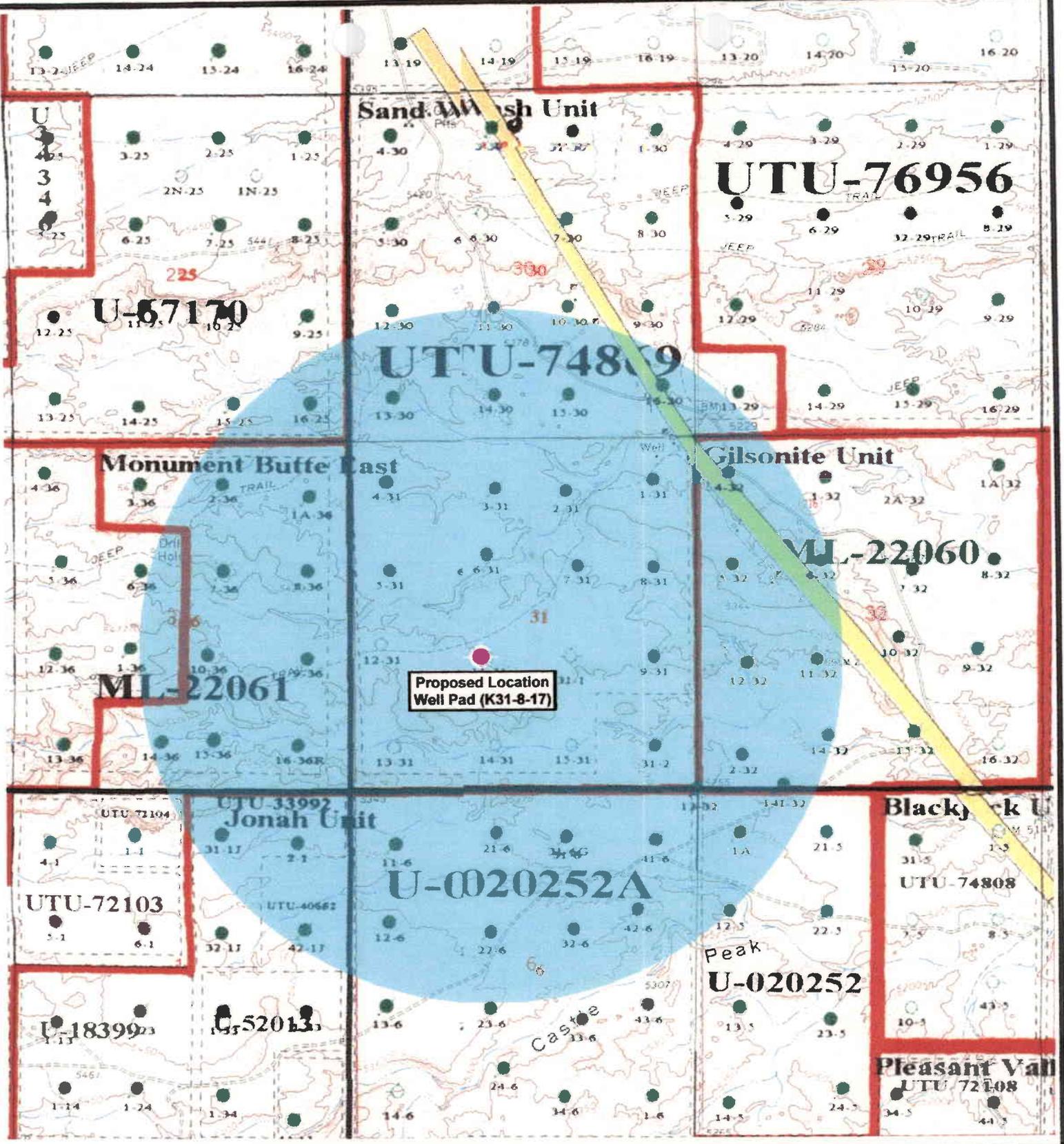
VINTA BASIN, UTAH  
 Duchesne & Uintah Counties, Utah

D/C: Apple

November 12, 2001



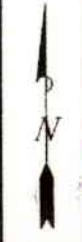
January 15, 2003



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

**Legend**

- Proposed Location
- One-Mile Radius



**Well Pad (K31-8-17)**  
**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

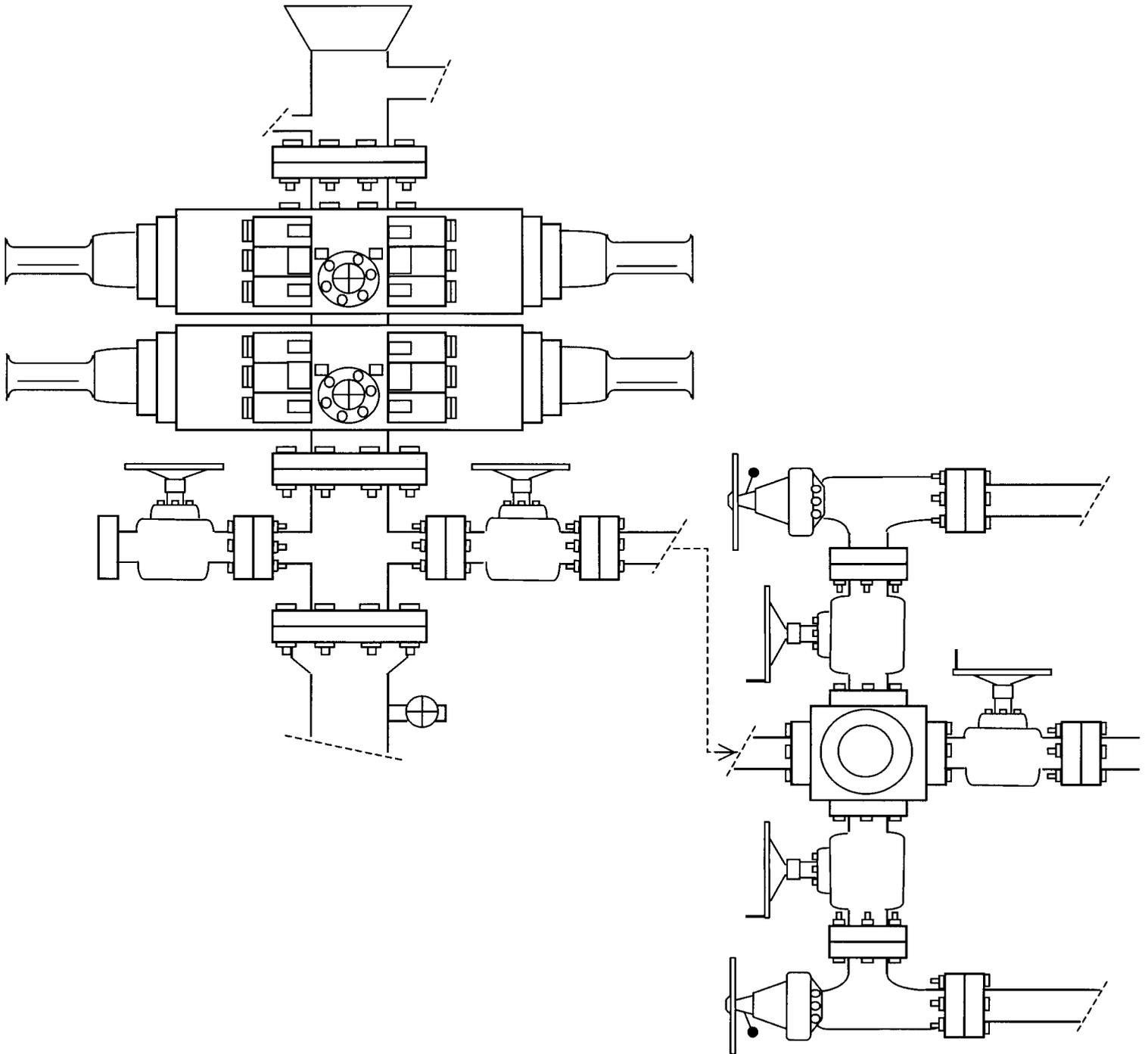


EXHIBIT C

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/07/2003

API NO. ASSIGNED: 43-013-32444

WELL NAME: SAND WASH FED 11-31-8-17

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 31 080S 170E  
SURFACE: 2012 FSL 1953 FWL  
BOTTOM: 2012 FSL 1953 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74869

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

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

LATITUDE: 40.07261

LONGITUDE: 110.05057

RECEIVED AND/OR REVIEWED:

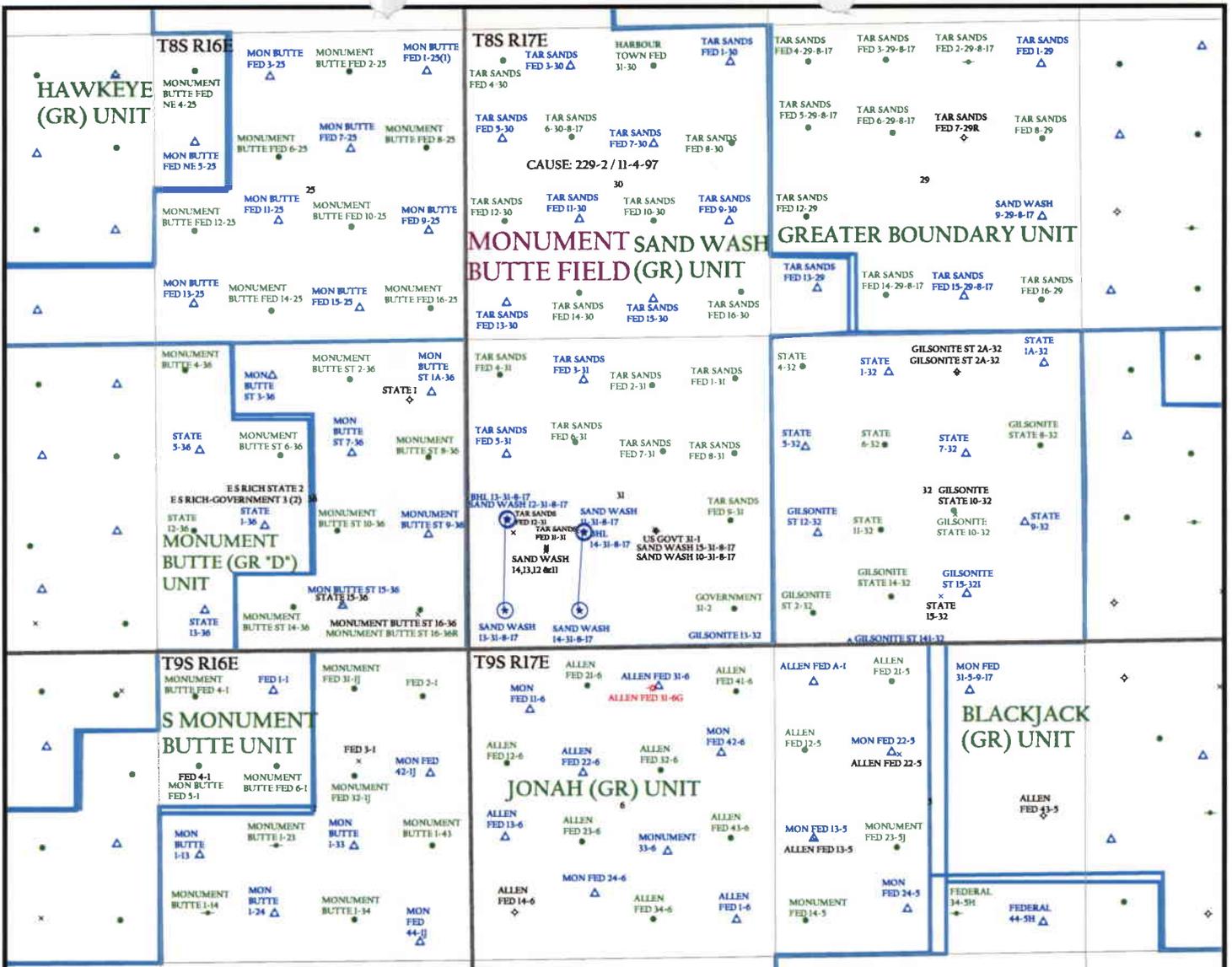
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

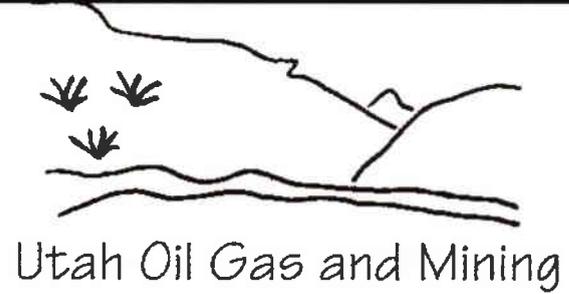
- R649-2-3.
- Unit SAND WASH (GREEN RIVER)
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 229-2  
Eff Date: 11-4-97  
Siting: Suspends General Siting
- R649-3-11. Directional Drill

COMMENTS: Sop, Seperate file

STIPULATIONS: 1-Federal approval



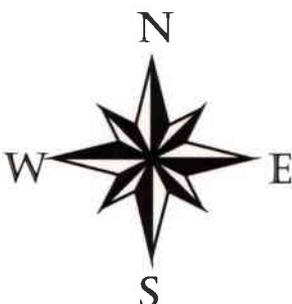
OPERATOR: INLAND PRODUCTION (N5160)  
 SEC. 31 T8S, R17E  
 FIELD: MONUMENT BUTTE (105)  
 COUNTY: DUCHESNE  
 CAUSE: 229-2 / 11-4-97



- 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

## 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



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

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

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

April 15, 2003

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

Re: Sand Wash Federal 11-31-8-17 Well, 2012' FSL, 1953' FWL, NE 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 43-013-32444.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

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 11-31-8-17  
**API Number:** 43-013-32444  
**Lease:** UTU-74869

**Location:** NE 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.

006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN

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

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-74869**

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

7. UNIT AGREEMENT NAME  
**Sand Wash**

8. FARM OR LEASE NAME WELL NO.  
**Sand Wash Federal #11-31-8-17**

9. API WELL NO.  
**43.013.32444**

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

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

12. County  
**Duchesne**

13. STATE  
**UT**

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 **NE/SW 2012' FSL 1953' FWL**  
At proposed Prod. Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 11.9 miles south of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to  
**Approx. 1953' f/lse line & 1953' 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. 1,424'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5345' GR**

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

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

**RECEIVED**  
**JAN 2 2004**  
DIV. OF OIL, GAS & MINING

**RECEIVED**  
**APR - 7 2003**  
By \_\_\_\_\_

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 Mandie Crozier TITLE Regulatory Specialist DATE 4/4/03

**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 Edwin L. Fournier 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**

*Handwritten signature/initials*

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company  
Well Name & Number: SAND WASH FEDERAL 11-31-8-17  
API Number: 43-013-32444  
Lease Number: UTU – 74869  
Location: NESW 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  $\pm 1,640$  ft.

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

Ferruginous Hawks: 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

007

**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 11-31-8-17**

9. API Well No.  
**43-013-32444**

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)  
**2012 FSL 1953 FWL NE/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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>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  
APR 13 2004  
DIV. OF OIL, GAS & MINING

COPIES SENT TO OPERATOR  
DATE: 4-14-03  
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:** 43-013-32444  
**Well Name:** Sand Wash Federal 11-31-8-17  
**Location:** NE/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

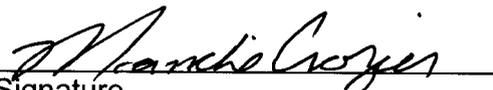
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

  
Signature

4/8/2004  
Date

Title: Regulatory Specialist

Representing: Inland Production Company

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: INLAND PRODUCTION COMPANY

Well Name: SAND WASH FED 11-31-8-17

Api No: 43-013-32444 Lease Type: FEDERAL

Section 31 Township 08S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 15

**SPUDDED:**

Date 07/08/04

Time 3:00 PM

How DRY

**Drilling will commence:** \_\_\_\_\_

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 07/09/2004 Signed CHD

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 11-31-8-17**

9. API Well No.  
**43-013-32444**

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)  
**2012 FSL 1953 FWL NE/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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Spud Notice</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

On 07/08/04 MIRU Eagle Spud #1. Spud well @ 3:00 pm, Drill 307' of 12 1/4 hole with air mist, TIH w/7 Jts 8 5/8 J55 24# csgn. Set @ 306.99'/KB. On 07/14/04. Cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. With 4 bbls cement returned to surface. WOC.

RECEIVED  
JUL 21 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed Ray Herrera Title Drilling Foreman Date 7/19/2004

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 306.99

LAST CASING 8 5/8" SET AT 307  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 307 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company  
 WELL Sandwash 11-31-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 15

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		SHJT 36.65						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	295.14	
		<b>GUIDE</b> shoe			8rd	A	0.9	
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING			296.99
TOTAL LENGTH OF STRING			296.99	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>306.99</b>
TOTAL			295.14	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)			295.14	7				
TIMING			1ST STAGE					
BEGIN RUN CSG.	Spud	7/8/2004	3:00pm	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE			Bbls CMT CIRC TO SURFACE				4	
BEGIN CIRC			RECIPROCATED PIPE I				N/A	
BEGIN PUMP CMT			DID BACK PRES. VALVE HOLD ?				N/A	
BEGIN DSPL. CMT			BUMPED PLUG TO				117	PSI
PLUG DOWN			Cemented	7/14/2004				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	150	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 Pat Wisener

DATE 7/14/2004

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

OPERATOR: INLAND PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG	COUNTY			
A	99999	14227	43-013-32441	Ashley Federal 13-15-9-15	SW/SW	15	9S	15E	Duchesne	July 7, 2004	7/21/04	K
WELL 1 COMMENTS: <i>GRV</i>												
B	99999	12308	43-013-32444	Sandwash Federal 11-31-8-17	NE/SW	31	8S	17E	Duchesne	July 8, 2004	7/21/04	K
WELL 2 COMMENTS: <i>GRV</i>												
A	99999	14228	43-013-32438	Ashley State 9-2-9-15	NE/SE	2	9S	15E	Duchesne	July 12, 2004	7/21/04	K
WELL 3 COMMENTS: <i>GRV</i>												
A	99999	14229	43-013-32439	Ashley State 16-2-9-15	SE/SE	2	9S	15E	Duchesne	July 14, 2004	7/21/04	K
WELL 4 COMMENTS: <i>GRV</i>												
B	99999	12308	43-013-32446	Sandwash Federal 12-31-8-17	NW/SW	31	8S	17E	Duchesne	July 14, 2004	7/21/04	K
WELL 5 COMMENTS: <i>GRV</i>												

INLAND

4356463031

07/21/2004 08:10

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

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

RECEIVED  
JUL 21 2004

DIV. OF OIL, GAS & MINING

*Kobbie S. Jones*  
 Signature: \_\_\_\_\_  
 Title: Production Clerk  
 Date: July 20, 2004

Kobbie S. Jones

July 20, 2004

Date

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.

011

**SUBMIT IN TRIPlicate - Other Instructions on Reverse Side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Inland Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 2012 FSL 1953 FWL  
 NE/NW 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 11-31-8-17

9. API Well No.  
 4301332444

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other _____ Weekly Status Report

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

Status report for time period 08/04/04- 08/12/04

Subject well had completion procedures initiated in the Green River formation on 08/04/04 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5437-5446'), (5396-5420'), (5356-5360') (ALL 4 JSPF); #2 (5050-5056'), (4995-5002'), (4939-4944') (All 4 JSPF); #3 (4424-4442') (4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 08/10/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6165'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 5504.97'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 08/12/04.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Marnie Bryson	Title Production Clerk
Signature <i>Marnie Bryson</i>	Date 8/19/2004

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**  
**AUG 20 2004**  
DIV. OF OIL, GAS & MINING

012

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

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

2. NAME OF OPERATOR  
 INLAND RESOURCES INC.

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface 2012' FSL & 1953' FWL (NE SW) Sec. 31, T8S, R17E  
 At top prod. Interval reported below

At total depth

14. API NO. 43-013-32444 DATE ISSUED 4/15/2003

15. DATE SPUN 7/8/2004 16. DATE T.D. REACHED 7/26/2004 17. DATE COMPL. (Ready to prod.) 8/12/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5344' 5356'

19. ELEV. CASINGHEAD 5356'

20. TOTAL DEPTH, MD & TVD 6220' 21. PLUG BACK T.D., MD & TVD 6165' 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 4424'-5446'

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

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	307'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6207'	7-7/8"	325 sx Premlite II and 450 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 @ 5504'	TA @ 5375'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A1,3) 5356-60', 5396-5420', 5437-46'	.41"	4/148	5356'-5446'	Frac w/ 114,537# 20/40 sand in 815 bbls fluid.
-sd,D2,3) 4939-44', 4995-5002', 5050-56'	.41"	4/72	4939-5056'	Frac w/ 39,960# 20/40 sand in 373 bbls fluid.
(GB6) 4424'-4442'	.41"	4/72	4424'-4442'	Frac w/ 65,207# 20/40 sand in 496 bbls fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION 8/12/2004 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) PRODUCING

DATE OF TEST 10 day ave HOURS TESTED \_\_\_\_\_ CHOKER SIZE \_\_\_\_\_ PROD'N FOR TEST PERIOD -----> OIL--BBL. 101 GAS--MCF 195 WATER--BBL. 3 GAS-OIL RATIO 1931

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

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

35. LIST OF ATTACHMENTS \_\_\_\_\_

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Brian Harris TITLE Engineering Technician DATE 9/15/2004

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Sandwash 11-31-8-17	3867'	
				4067'	
				4185'	
				4456'	
				4694'	
				4729'	
				4855'	
				5094'	
				5216'	
				5710'	
				6140'	
				6220'	

# Inland Resources Inc.

---

September 15, 2004

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn: Ms. Carol Daniels

Ashley 12-2-9-15 (43-013-32576)  
Duchesne County, Utah

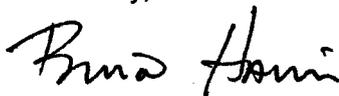
Sandwash Federal 11-31-8-17 (43-013-32444)  
Duchesne County, Utah

Dear Ms. Carol Daniels

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

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

Sincerely,



Brian Harris  
Engineering Tech

Enclosures

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

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

RECEIVED  
SEP 17 2004

DIV. OF OIL, GAS & MINING

---

Alamo Plaza Building  
1401 Seventeenth Street, Suite 1000  
Denver, CO 80202  
303-893-0102 • Fax: 303-893-0103

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**013**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**CA No. Unit: 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

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

<b>UTSL-</b>	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
<b>UTU-</b>	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**

**014**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

**ROUTING**

1. GLH
2. CDW
3. FILE

The operator of the well(s) listed below has changed, effective: **9/1/2004**

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

**CA No.** **Unit:** **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

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



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

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

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 200  
DENVER, CO 80202-2466  
Phone 800-227-8917  
<http://www.epa.gov/region08>

RECEIVED

NOV 24 2006

NOV 20 2006

DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

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

David Gerbig  
Operations Engineer  
Newfield Production Company  
1401 Seventeenth Street - Suite 1000  
Denver, CO 80202

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

43-013-32444

RE: Additional Well to Sand Wash Area Permit  
UIC Permit No. UT20847-00000  
Well ID: UT20847-06746  
Sand Wash Federal No. 11-31-8-17  
Duchesne County, Utah

Dear Mr. Gerbig:

The Newfield Production Company (Newfield) request to convert the Sand Wash Federal No. 11-31-8-17 to a Green River Formation enhanced recovery injection well is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of this Authorization For Additional Well.

The addition of the Sand Wash Federal No. 11-31-8-17, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 Code of Federal Regulations (CFR) §144.33 (c) and terms of the Sand Wash Area Permit, Underground Injection Control (UIC) Area Permit No. UT20847-00000, and subsequent modifications. Unless specifically mentioned in the enclosed Authorization For Additional Well, the Sand Wash Federal No. 11-31-8-17 is subject to all terms and conditions of the UIC Area Permit UT20847-00000 as modified.



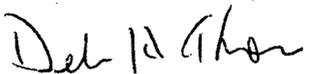
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and Newfield has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3868 feet and the top of the Wasatch Formation, estimated to be 6265 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval the following: (1) the results of a **Part I (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) and a completed **EPA Form No. 7520-12 (Well Rework Record)** with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Sand Wash Federal No. 11-31-8-17 was determined to be **1105 psig**. UIC Area Permit UT20847-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a Step-Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or 1-800-227-8917 (Ext. 6174). Please submit the required data to the **ATTENTION: EMMETT SCHMITZ** at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

encl: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Schematic Diagram Proposed Conversion: Sand Wash Federal No. 11-31-8-17  
Schematic Diagram Proposed Plug & Abandonment: Sand Wash Federal No. 11-31-8-17  
Ground Water Section Guidance No. 39 (Part I Internal MIT)

cc: without enclosures:

Maxine Natchees  
Acting Chairperson  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Chester Mills  
Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

cc: with enclosures

Lynn Becker  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

Shaun Chapoose  
Director  
Land Use Dept.  
Ute Indian Tribe

Michael Guinn  
Vice President - Operations  
Newfield Production Company  
Myton, UT 84052

Gilbert Hunt  
Associate Director  
State of Utah  
Division of Oil, Gas, and Mining

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 200
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

RECEIVED

NOV 24 2006

DIV. OF OIL, GAS & MINING

AUTHORIZATION FOR ADDITIONAL WELL

UNDERGROUND INJECTION CONTROL (UIC) AREA PERMIT NO: UT20847-00000

The Final UIC Sand Wash Area Permit No. UT20847-00000, effective May 26, 1998, authorized enhanced recovery injection into the gross Garden Gulch-Douglas Creek Members of the Green River Formation 4403 feet to 6250 feet. A Major Permit Modification No. 2, effective September 9, 2003, authorized injection for the purpose of enhanced oil recovery into multiple lenticular sand and carbonate units which are distributed throughout the Garden Gulch-Douglas Creek- Basal Carbonate Members of the Green River Formation. On April 13, 2005, the permittee provided notice to the Director requesting an additional enhanced recovery injection well in the Sand Wash Area Permit:

Well Name: Sand Wash Federal No. 11-31-8-17
EPA Well ID Number: UT20847-06746
Location: 2012 ft FSL & 1953 ft FWL
NE SW Sec. 31 - T8S - R17E
Duchesne County, Utah.

Pursuant to 40 Code of Federal Regulations (CFR) §144.33, UIC Sand Wash Area 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 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 17 2006

Handwritten signature of Stephen S. Tuber

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



## WELL-SPECIFIC REQUIREMENTS

Well Name: Sand Wash Federal No. 11-31-8-17

EPA Well ID Number: UT20847-06746

**Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director: (II. C. Condition 2).**

1. a successful Part I (Internal) Mechanical Integrity Test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.

**Approved Injection Zone:** **(II. C. Condition C. 4)**

Injection is approved between the top of the Green River Formation Garden Gulch Member (3868 feet) and the top of the Wasatch Formation ( Estimated 6265 feet). Proposed Class II enhanced recovery injection schematic diagram enclosed.

The permittee has cited current Garden Gulch and Douglas Creek Members perforations proposed for enhanced recovery injection, i.e., gross 4424 feet - 5446 feet. The permittee is also authorized to perforate any additional intervals for enhanced recovery injection between the top of the Garden Gulch Member (3868 feet) and the top of the Wasatch Formation (Estimated 6265 feet) during well conversion and/or rework.

**Determination of a Fracture Gradient:** **((II. C. Condition 5. b. 1.))**

Of the three (3) sand/frac treatments conducted on the Sand Wash Federal No. 11-31-8-17, the minimum calculated fracture gradient (FG) is 0.750 psi/ft; a value **not** in accord with FGs derived from a Step-Rate Tests (SRT) in the area proximate to the subject well. Until a SRT has been run on the subject well, the EPA will calculate the MAIP on a FG of 0.685 psi/ft.

**Maximum Allowable Injection Pressure (MAIP):** **(II. C. Condition 5).**

The initial MAIP is **1105 psig**, based on the following calculation and a cited "top perforation":

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] D, \text{ where} \\ \text{FG} &= 0.685 \text{ psi/ft} \\ \text{SG} &= 1.005 \\ \text{D} &= 4424 \text{ ft (Top perforation depth)} \\ \text{MAIP} &= \mathbf{1105 \text{ psig.}} \end{aligned}$$

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

**Well Construction and Corrective Action:** **(II. A.)**

**No Corrective Action is required.**

**Tubing and Packer:**

**(II. A. Condition 3).**

2-7/8" injection tubing is approved. The packer shall be set at a depth no more than 100 ft above the top perforation.

**Corrective Action for Wells in Area of Review: *No Corrective Action is required.*** The following Green River oil wells, within or proximate to a one-quarter (1/4) mile radius around the Sand Wash Federal No. 11-31-8-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs. Other than a weekly inspection of each location for surface injectate leakage, no corrective action is required.

Tar Sands Federal 6-31-8-17	SE NW Section 31 - T8S - R17E
Sand Wash Federal 10-31T-8-17	NW SE Section 31 - T8S - R17E
Sand Wash Federal 12-31-8-17	NW SW Section 31 - T8 - R17E

**Demonstration of Mechanical Integrity:**

**(II. C. Condition 3).**

A successful demonstration of **Part I (Internal)** Mechanical Integrity Test using a standard Casing-Tubing pressure test is required prior to injection and each at least once every five (5) years thereafter.

**Demonstration of Financial Responsibility:**

**(II. F. Condition 1).**

The applicant has demonstrated financial responsibility via an Annual Statement that has been reviewed and approved by the EPA. The Plugging and Abandonment cost has been estimated by the permittee to be \$33,500.

**(II. E. Condition 2).**

**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. 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) at 4329 feet. Place at least 100 feet of cement plug on top of the CIBP.

PLUG NO. 2: Set a cement plug across a known water zone from 2000 feet to 2200 feet.

PLUG NO. 3: Set a cement plug across the top of the Green River Formation from 1425 feet to 1525 feet.

PLUG NO. 4: Circulate Class "G" cement down the 5-1/2 inch casing to 357 feet, and up the 5-1/2 inch X 8-5/8 inch casings annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level. Set P&A marker. Submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

**Reporting of Noncompliance:**

**(III. E.)**

- (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:**

**(II. E.).**

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:**

**(II. E.).**

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 202.267.2675**, or through the NRC website at **<http://www.nrc.uscg.mil/index.htm>**.

Other Noncompliance:

**(II. E.).**

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

Other Information:

**(II. E.)**

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.

**WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Sand Wash Federal No. 11-31-8-17**

EPA Well ID Number: **UT20847-06746**

**Current Status:** The Greater boundary is currently a Douglas Creek Member oil well waiting on EPA authorization to complete/convert to a Class II Green River Formation enhanced recovery injection well.

**Underground Sources of Drinking Water (USDWs):** USDWs in the Sand Wash Area Permit generally occur within the Uinta Formation. According to the "*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 75 feet below ground surface. **<http://NRWRT1.NR.STATE.UT.US>**: (**Water Rights...Queries...POD**). Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Sand Wash Federal No. 11-31-8-17 there are no reservoirs, streams, springs, domestic or agricultural water wells.

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

- TDS of Garden Gulch-Douglas Creek Members - Green River Formation water: **12,238 mg/l** (Analysis: 3/10/05).
- TDS of Johnson Water District Reservoir: **674 mg/l** (Analysis: 1/10/05)
- TDS blended injectate: **6844 mg/l**. Blended at pump facility with Source Water and Unit produced water (Analysis 3/11/05).

**Confining Zone:**

The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is sixty-four (64) feet of shale between the depths of 3804 feet and 3868 feet (KB).

**Injection Zone:**

**(II. C. 4.)**

The Injection Zone is an approximate 2397-foot section of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3868 ft (KB) to the top of the Wasatch Formation (estimated to be 6265 feet KB).

All formation and formation member tops are based on correlation to the Federal No.1-26-8-17 Type Log (See Major Permit Modification No. 2, UT20847-00000, dated September 9, 2003).

**Well Construction:**

**(II. A. 1. )**

There is 80% bond index cement bond across the Confining Zone.

Surface Casing: 8-5/8" casing is set at 307 (KB) in a 12-1/4" hole, using 150 sacks of cement which was circulated to the surface.

Longstring: 5-1/2" casing is set at 6123 feet (KB) in a 7-7/8" hole and secured with 775 sacks of cement. Calculated top of cement (TOC) by EPA 1197 feet.

Perforations: Gross Perforations: 4424 feet to 5446 feet.

**Step-Rate Test (SRT):**

**(II. C. 2. d.)**

A Step-Rate Test may be required to confirm that the initial maximum authorized injection pressure (MAIP), based on sand/frac treatments, is appropriate to ensure that pressure during injection will not initiate new fractures or propagate existing fractures in the confining zone.

**Wells in Area of Review (AOR):**

The permittee shall observe the surface location of all wells within the one-quarter (1/4) mile AOR on a weekly basis. Should injectate contamination be observed at the surface, the permittee shall immediately suspend injection into the Sand Wash Federal No. 11-31-8-17. The Sand Wash Federal No. 11-31-8-17 will stay suspended until the noncompliance has been resolved. Renewed injection shall be authorized by letter from the Director.



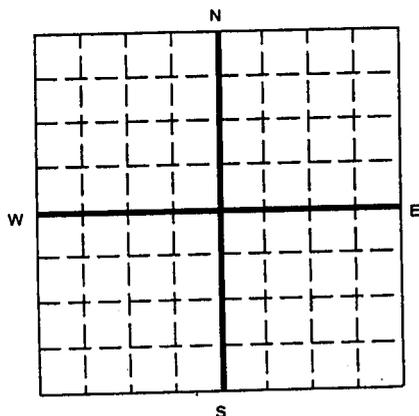
United States Environmental Protection Agency  
Washington, DC 20460

### 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	Total Depth Before Rework  Total Depth After Rework  Date Rework Commenced  Date Rework Completed	<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells ___  Well Number

#### 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

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
--	-----------	-------------

NOV 24 2006

# Sandwash Federal 11-31-8-17

DIV. OF OIL, GAS & MIN.  
Initial Production: BOPD,  
MCFD, BWPD

Spud Date: 7/8/04  
Put on Production: 8/12/04  
GL: 5345' KB: 5357'

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (296.99') *Raise USW's < 75'*  
DEPTH LANDED: 306.99' *306'*  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt. est 4 bbls cmt to surf.  
Cement Top @ 300'

### PRODUCTION CASING

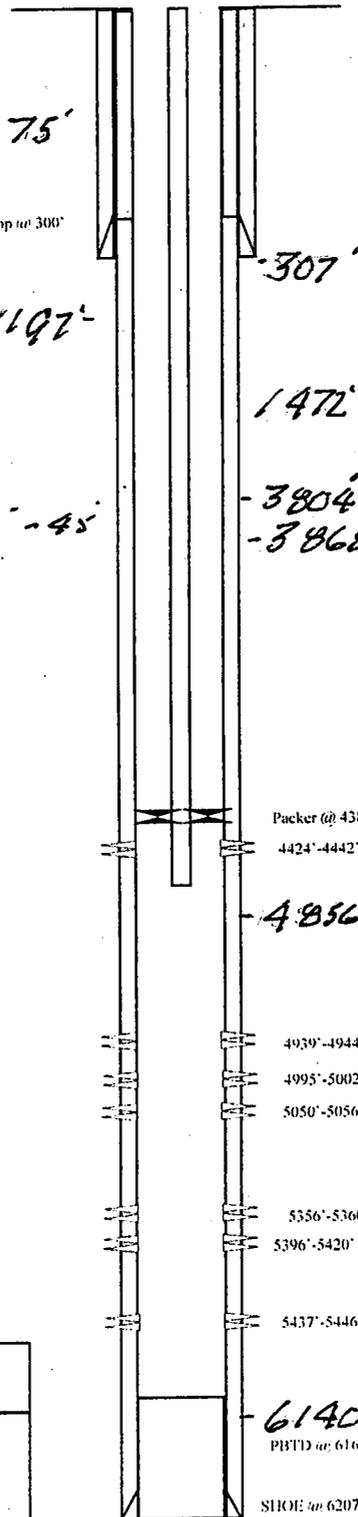
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6209.08')  
DEPTH LANDED: 6207.08' KB  
HOLE SIZE: 7-7/8" *80% Bond 3810' - 45'*  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 300'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169 jts (5362.657')  
TUBING ANCHOR: 5375.15' KB  
NO. OF JOINTS: 2 jts (62.73')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5440.68' KB  
NO. OF JOINTS: 2 jts (62.74')  
TOTAL STRING LENGTH: EOT @ 5504.97' W/12.5' KB

### FRAC JOB

8/09/04 5356'-5446' Frac A and 3 sands as follows:  
114,537# 20/40 sand in 815 bbls Lightning  
17 Frac fluid. Treated @ avg press of 1420 psi  
w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc  
flush: 5354 gal. Actual flush: 5355 gal.  
8/09/04 4939'-5056' Frac C, D2 and 3 sands as follows:  
39,960# 20/40 sand in 373 bbls Lightning 17  
Frac fluid. Treated @ avg press of 1875 psi  
w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc  
flush: 4937 gal. Actual flush: 4935 gal.  
8/09/04 4424'-4442' Frac GB6 sands as follows:  
65,207# 20/40 sand in 496 bbls Lightning 17  
Frac fluid. Treated @ avg press of 1850 psi  
w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc  
flush: 4422 gal. Actual flush: 4326 gal.



*1472' Green River*  
*-3804-3868' Confining Zone*  
*-3868' Garden Gulch Mem.*

*4856' Douglas Creek Mem.*

### PERFORATION RECORD

Date	Interval	ISIP	Holes
8/04/04	5437'-5446'	4 JSPP	36 holes
8/04/04	5396'-5420'	4 JSPP	96 holes
8/04/04	5356'-5360'	4 JSPP	16 holes
8/09/04	5050'-5056'	4 JSPP	24 holes
8/09/04	4995'-5002'	4 JSPP	28 holes
8/09/04	4939'-4944'	4 JSPP	20 holes
8/09/04	4424'-4442'	4 JSPP	72 holes

**NEWFIELD**

Sandwash Federal 11-31-8-17  
2012 PSI. & 1953 FWI.  
NESW Section 31 T8S-R17E  
Duchesne Co, Utah  
API #43-013-32444; Lease # UTU-74869

*EST. 6220' Wasatch Fmn.*

# Sandwash Federal 11-31-8-17

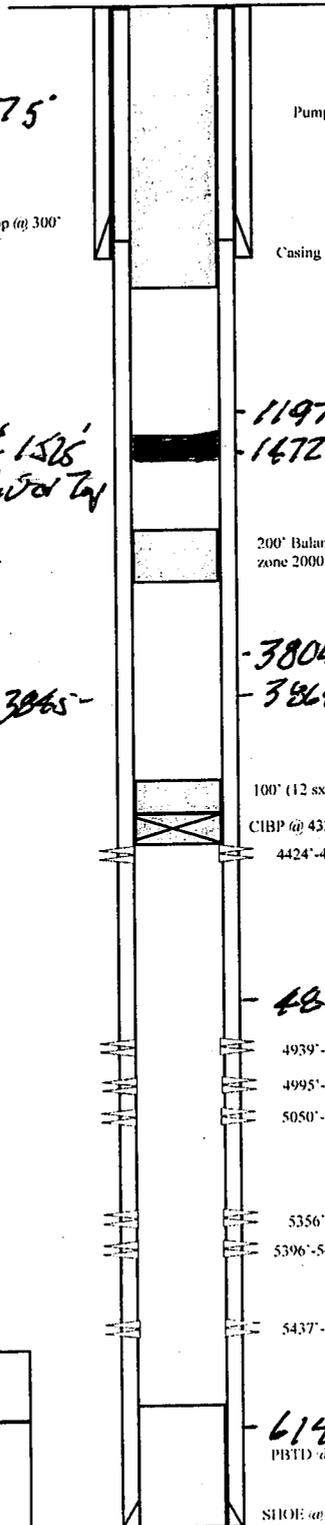
Spud Date: 7/8/04  
Put on Production: 8/12/04  
GL: 5345' KB: 5357'

Initial Production: BOPD,  
MCFD, BWPD

Proposed P & A  
Wellbore Diagram

### SURFACE CASING

C'SG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (296.99') *Base USDWs 275'*  
DEPTH LANDED: 306.99' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cement, est 4 bbls cement to surf.  
Cement Top @ 300'



### PRODUCTION CASING

C'SG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6209.08') *100' Plug 1425'-1525' across Green River by*  
DEPTH LANDED: 6207.08' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 300'

*80% Bond 3810'-3865'*

Pump 42 sxs Class G Cement down 5-1/2" casing to 357'

Casing Shoe @ 307'

- 1197' TOC/EPA  
- 1472' Green River Mem

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

- 3804'-3868' Confining Zone  
- 3868' Garden Gulch Mem

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

CIBP @ 4329'  
4424'-4442'

- 4856' Douglas Creek Mem

4939'-4944'  
4995'-5002'  
5050'-5056'

5356'-5360'  
5396'-5420'  
5437'-5446'

- 6140' Beal Carbonate Mem  
PBTD @ 6165'

SHOE @ 6207'

TD @ 6220'

*Est 6265' Washakie Mem*

RECEIVED

NOV 24 2006

DIV. OF OIL, GAS & MINING

NEWFIELD

Sandwash Federal 11-31-8-17

2012 FSL & 1953 FWL

NESW Section 31 T8S-R17E

Duchesne Co, Utah

API #43-013-32444; Lease # UTU-74869



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

999 18<sup>TH</sup> STREET- SUITE 300  
DENVER, CO 80202-2466  
Phone 800-227-8917  
<http://www.epa.gov/region08>

RECEIVED

NOV 24 2006

DIV. OF OIL, GAS & MINING

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39

Pressure testing injection wells for Part I (internal) Mechanical Integrity

FROM: Tom Pike, Chief - s/Tom Pike - 9/27/95  
UIC Direct Implementation Section

TO: All Section Staff  
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

- (1) There is no significant leak in the tubing, casing or packer; and
- (2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the down hole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

## Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

### Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.
2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.
3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.
4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.
5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.
6. Following steps are at the well:
  6. Read tubing pressure and record on the form. If the well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.
  7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.
  8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.
  9. Hook-up well to pressure source and apply pressure until test value is reached.
  10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the

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: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Test conducted by: \_\_\_\_\_

Others present:

Well Name: _____	Type: ER	SWD Status: AC	TA	UC
Field: _____				
Location: _____	Sec: _____	T _____	N / S	R _____ E / W
County: _____		State: _____		
Operator: _____				
Last MIT: _____ / _____ / _____		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

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

**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**

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:  
SAND WASH UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
SANDWASH FEDERAL 11-31-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332444

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: 2012 FSL 1953 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 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: 02/16/2007	<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 2/16/07. One new interval was added, the CP2 sds 5824'-5832' 4 JSPF, 32 shots. On 2/5/07 Dan Jackson 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 2/23/07. On 2/23/07 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 540 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT 20847-06746 API# 43-013-32444

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

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE *Callie Ross*

DATE 02/27/2007

(This space for State use only)

**RECEIVED**

**MAR 01 2007**

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: 02/23/07  
 Test conducted by: Date Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Sandwash Fed. 11-31-8-17</u>		Type: ER SWD	Status: AC TA UC
Field: <u>Sandwash Unit</u>			
Location: _____	Sec: <u>31</u>	T <u>8</u>	N <u>15</u>
Operator: <u>Newfield Production Co.</u>		R <u>17</u>	W County: <u>Duchesne</u> State: <u>Ut.</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>540</u> psig	psig	psig
End of test pressure	<u>540</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1450</u> psig	psig	psig
5 minutes	<u>1450</u> psig	psig	psig
10 minutes	<u>1450</u> psig	psig	psig
15 minutes	<u>1450</u> psig	psig	psig
20 minutes	<u>1450</u> psig	psig	psig
25 minutes	<u>1450</u> psig	psig	psig
30 minutes	<u>1450</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input 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: \_\_\_\_\_



**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:  
SAND WASH UNIT

8. WELL NAME and NUMBER:  
SANDWASH FEDERAL 11-31-8-17

9. API NUMBER:  
4301332444

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

**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

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2012 FSL 1953 FWL      COUNTY: DUCHESNE

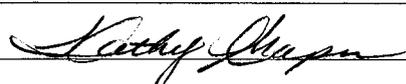
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:      NESW, 31, T8S, R17E      STATE: UT

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 12/11/2007	<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: - Status change, put well 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 10:30 PM on 12-11-07.

NAME (PLEASE PRINT) Kathy Chapman      TITLE Office Manager

SIGNATURE       DATE 12/12/2007

(This space for State use only)

**RECEIVED**  
**DEC 14 2007**  
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

**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 (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2012 FSL 1953 FWL  
NESW 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  
SAND WASH UNIT

8. Well Name and No.

SANDWASH FEDERAL 11-31-8-17

9. API Well No.

4301332444

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 _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

A step rate test was conducted on the subject well on May 19, 2008. Results from the test indicate that the fracture gradient is .623 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 810 psi.

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

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

Robert Bateman

Signature

Title

Well Analysis Foreman

Date

05/21/2008

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

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

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

Title

Date

Office

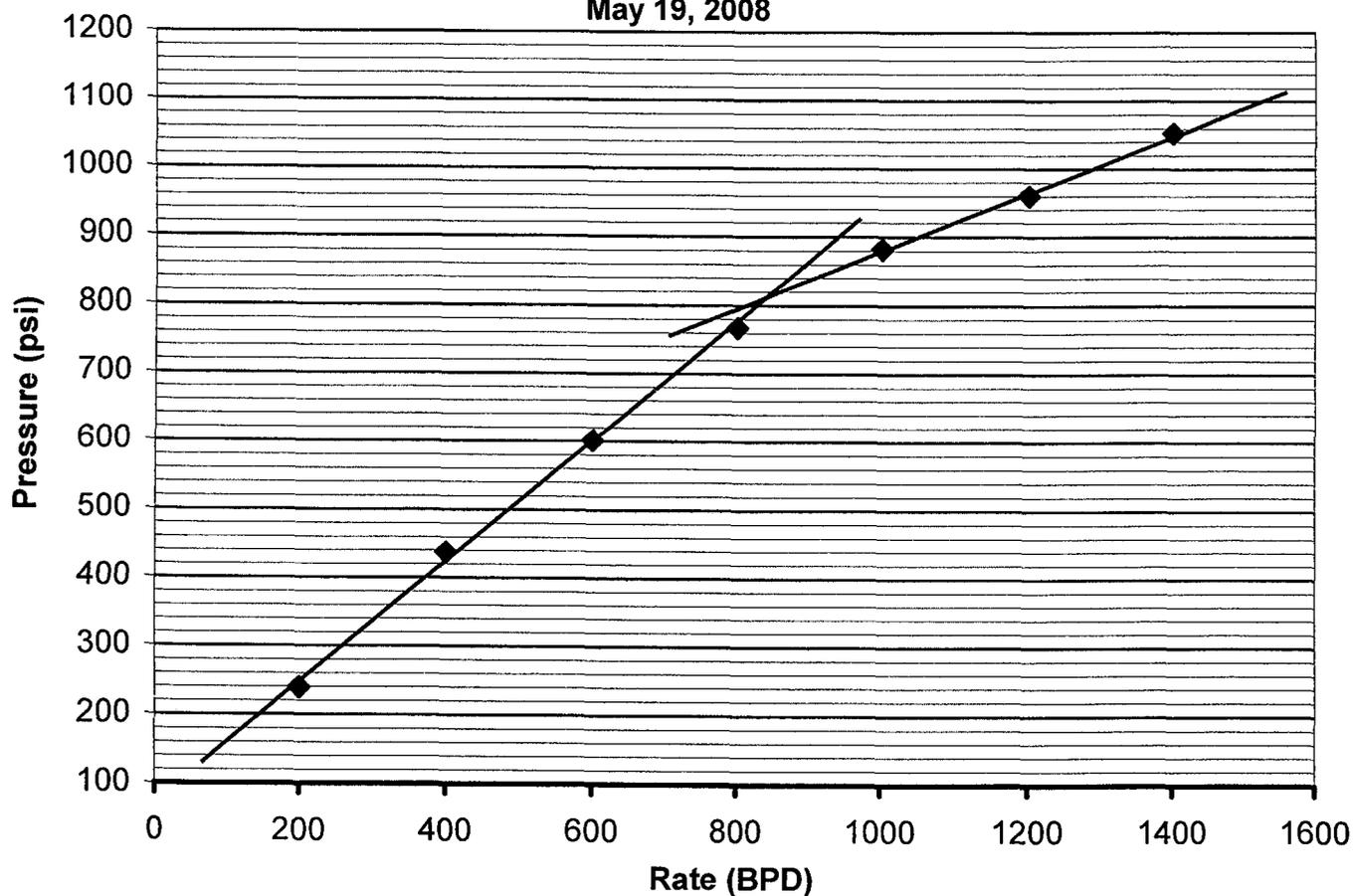
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**  
MAY 29 2008

DIV. OF OIL, GAS & MINING

**Sand Wash 11-31-8-17**  
**Sand Wash Unit**  
**Step Rate Test**  
**May 19, 2008**



**Start Pressure:** 60 psi  
**Instantaneous Shut In Pressure (ISIP):** 949 psi  
**Top Perforation:** 4424 feet  
**Fracture pressure (Pfp):** 810 psi  
**FG:** 0.623 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	239
2	400	437
3	600	601
4	800	767
5	1000	882
6	1200	960
7	1400	1053

PSIA

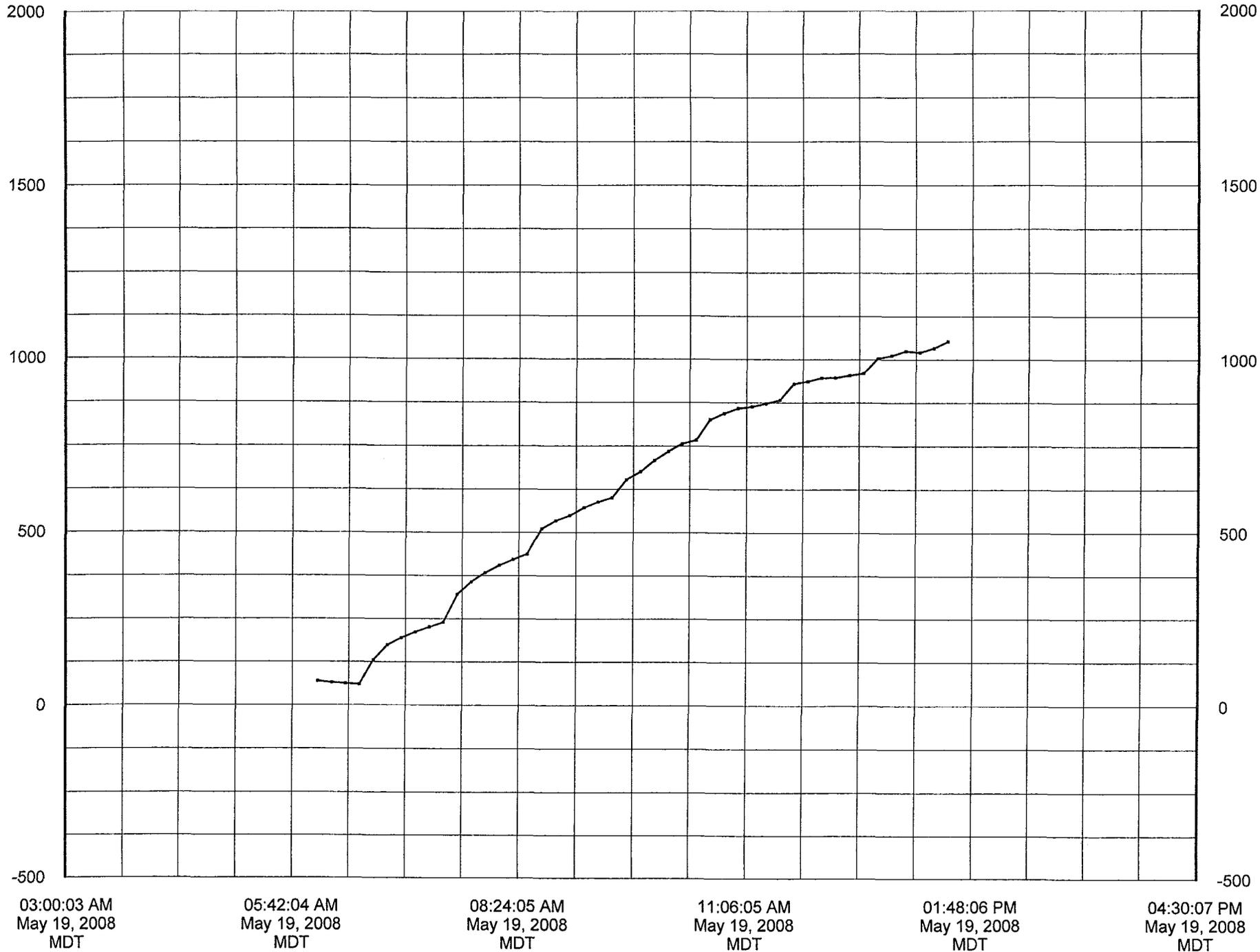
Absolute Pressure

—

Sandwash Federal 11-31-8-17 SRT  
(5-19-08)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: May 20, 2008 08:03:30 AM MDT  
 File Name: S:\Welinfo\PTC@ Instruments 2.00\Sandwash Federal 11-31-8-17 SRT (5-19-08).csv  
 Title: Sandwash Federal 11-31-8-17 SRT (5-19-08)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: May 19, 2008 06:00:04 AM MDT  
 Data End Date: May 19, 2008 01:30:04 PM MDT  
 Reading Rate: 1 Minute  
 Readings: 1 to 46 of 46  
 Last Calibration Date: Dec 19, 2007  
 Next Calibration Date: Dec 19, 2008

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	May 19, 2008 06:00:04 AM	69.200	PSIA
2	May 19, 2008 06:10:04 AM	65.400	PSIA
3	May 19, 2008 06:20:04 AM	62.800	PSIA
4	May 19, 2008 06:30:04 AM	59.800	PSIA
5	May 19, 2008 06:40:05 AM	131.000	PSIA
6	May 19, 2008 06:50:04 AM	174.200	PSIA
7	May 19, 2008 07:00:04 AM	195.000	PSIA
8	May 19, 2008 07:10:04 AM	211.800	PSIA
9	May 19, 2008 07:20:04 AM	226.200	PSIA
10	May 19, 2008 07:30:04 AM	239.400	PSIA
11	May 19, 2008 07:40:04 AM	320.800	PSIA
12	May 19, 2008 07:50:04 AM	356.600	PSIA
13	May 19, 2008 08:00:04 AM	383.000	PSIA
14	May 19, 2008 08:10:05 AM	404.200	PSIA
15	May 19, 2008 08:20:04 AM	421.600	PSIA
16	May 19, 2008 08:30:04 AM	437.000	PSIA
17	May 19, 2008 08:40:04 AM	510.800	PSIA
18	May 19, 2008 08:50:04 AM	534.200	PSIA
19	May 19, 2008 09:00:04 AM	549.000	PSIA
20	May 19, 2008 09:10:04 AM	571.800	PSIA
21	May 19, 2008 09:20:04 AM	588.400	PSIA
22	May 19, 2008 09:30:04 AM	601.000	PSIA
23	May 19, 2008 09:40:05 AM	652.600	PSIA
24	May 19, 2008 09:50:04 AM	675.800	PSIA
25	May 19, 2008 10:00:04 AM	708.800	PSIA
26	May 19, 2008 10:10:04 AM	734.200	PSIA
27	May 19, 2008 10:20:04 AM	756.600	PSIA
28	May 19, 2008 10:30:04 AM	767.200	PSIA
29	May 19, 2008 10:40:04 AM	825.800	PSIA
30	May 19, 2008 10:50:04 AM	843.200	PSIA
31	May 19, 2008 11:00:04 AM	858.400	PSIA
32	May 19, 2008 11:10:05 AM	863.600	PSIA
33	May 19, 2008 11:20:04 AM	872.000	PSIA
34	May 19, 2008 11:30:04 AM	882.600	PSIA
35	May 19, 2008 11:40:04 AM	929.000	PSIA
36	May 19, 2008 11:50:04 AM	935.800	PSIA
37	May 19, 2008 12:00:04 PM	946.200	PSIA
38	May 19, 2008 12:10:04 PM	947.000	PSIA
39	May 19, 2008 12:20:04 PM	954.000	PSIA
40	May 19, 2008 12:30:04 PM	959.800	PSIA
41	May 19, 2008 12:40:05 PM	1003.000	PSIA
42	May 19, 2008 12:50:04 PM	1012.000	PSIA
43	May 19, 2008 01:00:04 PM	1025.200	PSIA
44	May 19, 2008 01:10:04 PM	1021.000	PSIA
45	May 19, 2008 01:20:04 PM	1033.400	PSIA
46	May 19, 2008 01:30:04 PM	1053.000	PSIA

PSIA

Absolute Pressure



Sandwash Federal 11-31-8-17 ISIP  
(5-19-08)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA

1300

1300

1000

1000

700

700

400

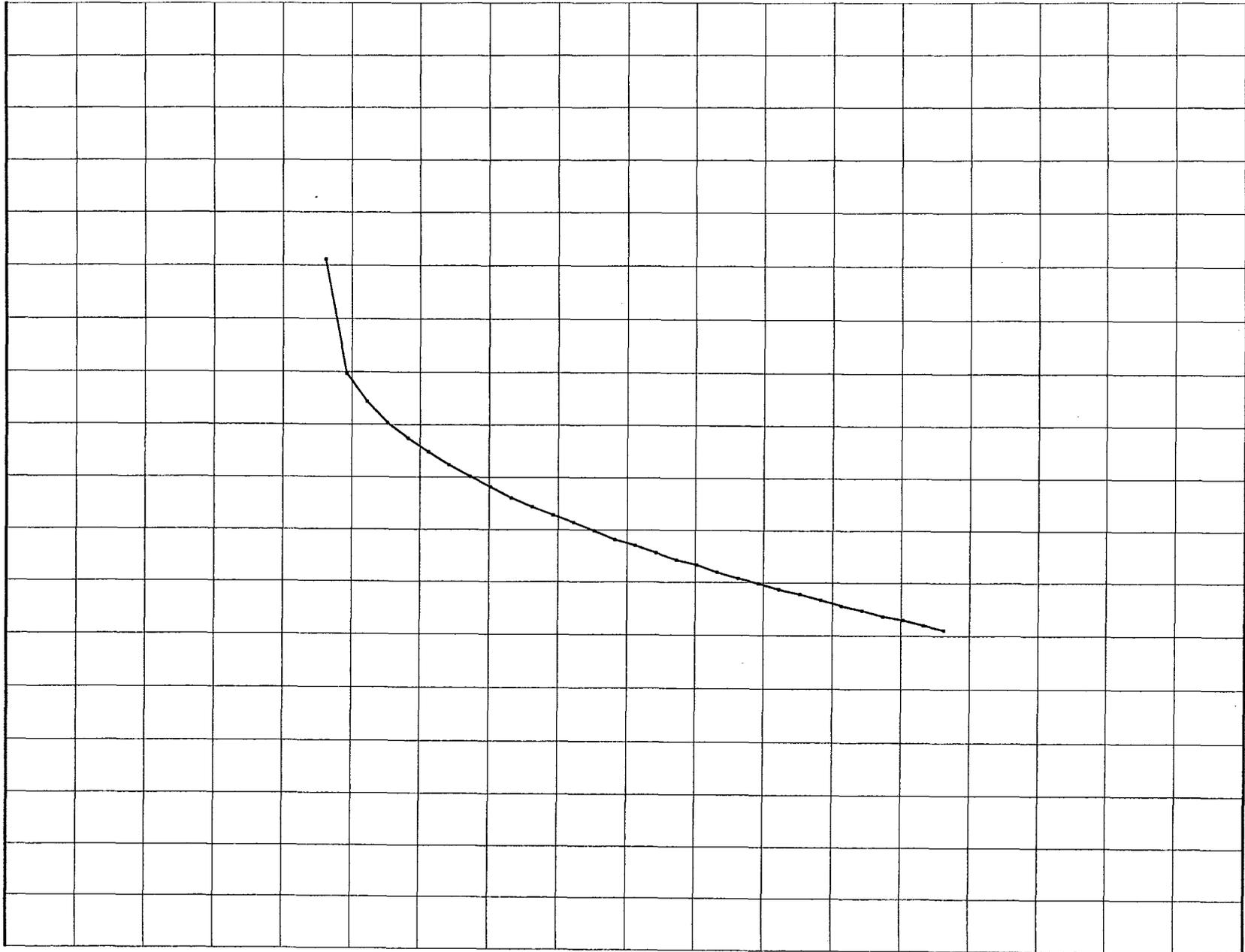
400

01:15:00 PM  
May 19, 2008  
MDT

01:35:00 PM  
May 19, 2008  
MDT

01:55:00 PM  
May 19, 2008  
MDT

02:15:00 PM  
May 19, 2008  
MDT



report name: PrTemp1000 Data Table  
 Report Date: May 20, 2008 08:03:01 AM MDT  
 File Name: S:\Welin\PTC® Instruments 2.00\Sandwash Federal 11-31-8-17 ISIP (5-19-08).csv  
 Title: Sandwash Federal 11-31-8-17 ISIP (5-19-08)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: May 19, 2008 01:30:25 PM MDT  
 Data End Date: May 19, 2008 02:00:25 PM MDT  
 Reading Rate: 1 Minute  
 Readings: 1 to 31 of 31  
 Last Calibration Date: Dec 19, 2007  
 Next Calibration Date: Dec 19, 2008

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	May 19, 2008 01:30:25 PM	1055.600	PSIA
2	May 19, 2008 01:31:25 PM	948.600	PSIA
3	May 19, 2008 01:32:24 PM	922.000	PSIA
4	May 19, 2008 01:33:24 PM	901.800	PSIA
5	May 19, 2008 01:34:25 PM	887.000	PSIA
6	May 19, 2008 01:35:24 PM	874.200	PSIA
7	May 19, 2008 01:36:24 PM	862.000	PSIA
8	May 19, 2008 01:37:25 PM	850.800	PSIA
9	May 19, 2008 01:38:25 PM	840.800	PSIA
10	May 19, 2008 01:39:24 PM	830.600	PSIA
11	May 19, 2008 01:40:25 PM	822.000	PSIA
12	May 19, 2008 01:41:25 PM	814.000	PSIA
13	May 19, 2008 01:42:24 PM	807.000	PSIA
14	May 19, 2008 01:43:25 PM	799.000	PSIA
15	May 19, 2008 01:44:25 PM	790.600	PSIA
16	May 19, 2008 01:45:24 PM	785.200	PSIA
17	May 19, 2008 01:46:25 PM	778.200	PSIA
18	May 19, 2008 01:47:25 PM	771.400	PSIA
19	May 19, 2008 01:48:24 PM	766.800	PSIA
20	May 19, 2008 01:49:24 PM	759.800	PSIA
21	May 19, 2008 01:50:25 PM	754.000	PSIA
22	May 19, 2008 01:51:24 PM	749.200	PSIA
23	May 19, 2008 01:52:24 PM	743.400	PSIA
24	May 19, 2008 01:53:25 PM	738.800	PSIA
25	May 19, 2008 01:54:25 PM	733.600	PSIA
26	May 19, 2008 01:55:24 PM	728.200	PSIA
27	May 19, 2008 01:56:25 PM	723.600	PSIA
28	May 19, 2008 01:57:25 PM	718.200	PSIA
29	May 19, 2008 01:58:24 PM	715.000	PSIA
30	May 19, 2008 01:59:25 PM	710.000	PSIA
31	May 19, 2008 02:00:25 PM	705.400	PSIA



**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**

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: SAND WASH UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: SANDWASH FEDERAL 11-31-8-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2012 FSL 1953 FWL		9. API NUMBER: 4301332444
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 31, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

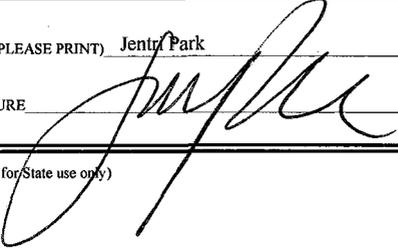
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 03/25/2009	<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 checked="" type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input 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 subject well had workover procedures performed (injection leak), attached is a daily status report. On 03-19-09 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 03-24-09. On 03-24-09 the csg was pressured up to 1225 psig and charted for 30 minute with no pressure loss. The well was not injecting during the tes. The tbq pressure was 0psig during the test. There was not an EPA representative available to witness the test.  
EPA UT20847-06746  
API# 4301332444

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

NAME (PLEASE PRINT) <u>Jentra Park</u>	TITLE <u>Production Tech</u>
SIGNATURE 	DATE <u>03/25/2009</u>

(This space for State use only)

**RECEIVED**  
**APR 01 2009**

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**SANDWASH 11-31-8-17****1/1/2009 To 5/30/2009****3/19/2009 Day: 1****Tubing Leak**

Western #4 on 3/18/2009 - MIRU Western #4. Bleed annulus off (tbg on vacuum). ND wellhead & release pkr @ 4403'. NU BOP. RU HO trk & pump 10 bbl pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Holds solid for 1 hr. Retrieve standing valve W/ overshot on sandline. TOH W/ tbg--LD pkr. Top 2 elements are tore up. MU new Arrowset 1-X pkr & TIH W/ injection tbg (same as pulled). RU HO trk & pump 10 bbl pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8625 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4399', CE @ 4403' & EOT @ 4407'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. RDMOSU. Well ready for MIT.

**Pertinent Files: Go to File List**



# 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: 3 124 12009  
 Test conducted by: DAVE CLOWARD  
 Others present: \_\_\_\_\_

Well Name: <u>SANDWASH FEDERAL 11-31-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>UTU74869 API 43-013-32444</u>		
Location: <u>NE/SW</u> Sec: <u>31</u> T <u>8</u> N <u>(S)</u> R <u>16</u> <u>(E)</u> W	County: <u>Duchesne</u>	State: <u>UTAH</u>
Operator: _____		
Last MIT: _____ / _____ / _____	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

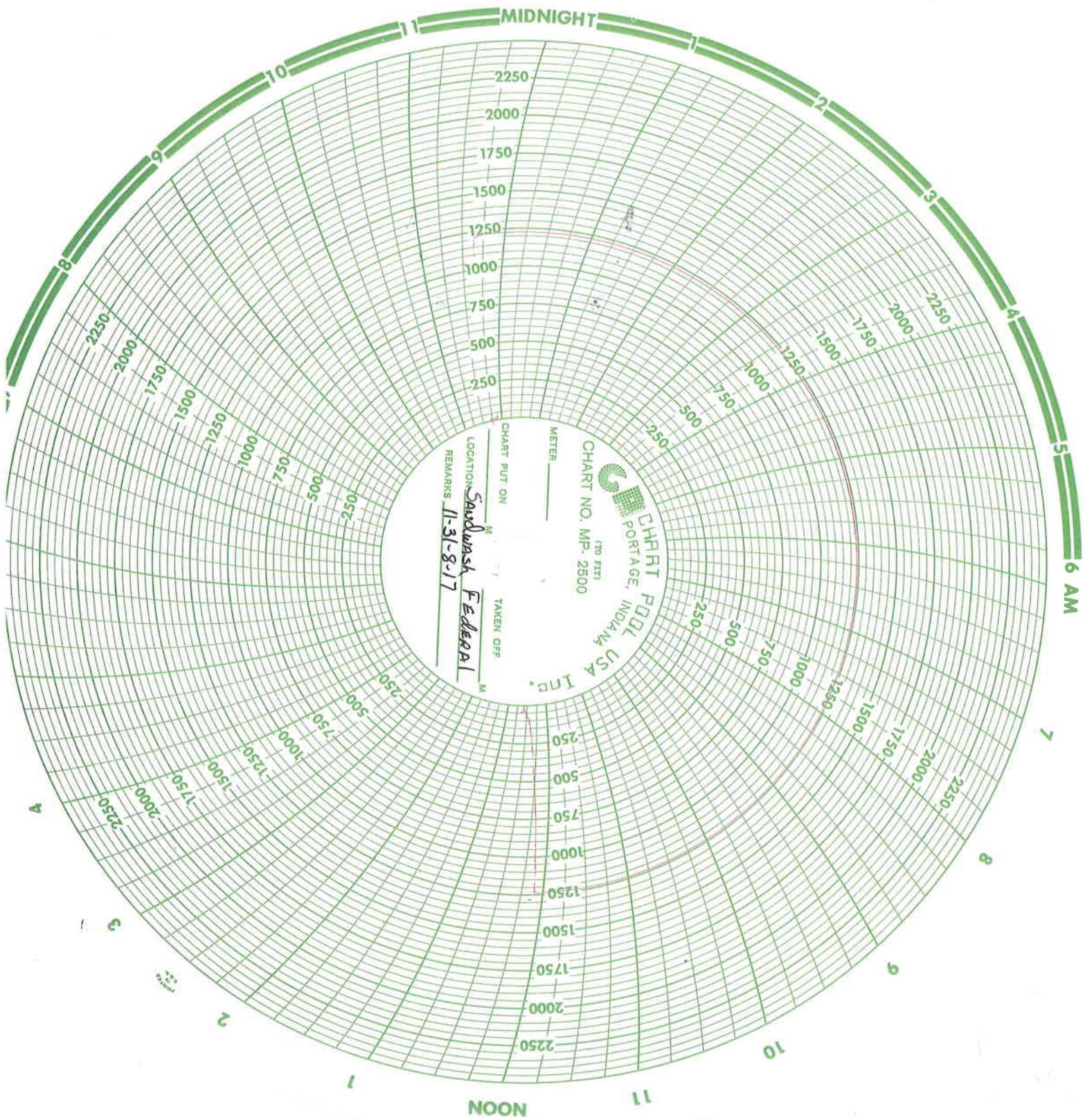
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1225</u> psig	psig	psig
5 minutes	<u>1225</u> psig	psig	psig
10 minutes	<u>1225</u> psig	psig	psig
15 minutes	<u>1225</u> psig	psig	psig
20 minutes	<u>1225</u> psig	psig	psig
25 minutes	<u>1225</u> psig	psig	psig
30 minutes	<u>1225</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: \_\_\_\_\_



MIDNIGHT

6 AM

7

8

9

10

11

NOON

CHART NO. MP-2500

CHART POOL USA INC.  
PORTAGE, INDIANA

METER

CHART PUT ON

TAKEN OFF

LOCATION Sandwich Federal

REMARKS 11-31-8-17



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

RECEIVED

APR 06 2009

DIV. OF OIL, GAS & MINING

APR 2 2009

Ref: 8ENF-UFO

CERTIFIED MAIL 7005-0390-0000-4848-5849  
RETURN RECEIPT REQUESTED

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

Mike Guinn, District Manager  
Newfield Production Company  
Route 3, Box 3630  
Myton, Utah 84052

43 013 32444

85 17E 31

Re: Underground Injection Control (UIC)  
Permission To Resume Injection  
Sandwash #11-31-8-17 Well  
EPA Permit #20847-06746  
Sandwash Oil Field  
Duchesne County, Utah

Dear Mr. Guinn:

On March 31, 2009, EPA received information from Newfield Production Company on the above referenced well concerning the workover to address its leaking packer and the followup mechanical integrity test (MIT) conducted on March 24, 2009. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before March 24, 2014.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211. Please direct all correspondence to the attention of Nathan Wiser at Mail Code 8ENF-UFO.

Sincerely,



Mark A.R. Chalfant  
Director  
Technical Enforcement Program

cc: Curtis Cesspooch, Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ferron Secakuku, Natural Resources Director  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

Gil Hunt  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114

**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:

7. UNIT or CA AGREEMENT NAME:

GMBU

8. WELL NAME and NUMBER:

SANDWASH FEDERAL 11-31-8-17

9. API NUMBER:

4301332444

10. FIELD AND POOL, OR WILDCAT:

GREATER MB UNIT

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 WI

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2012 FSL 1953 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 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:  <u>10/26/2010</u>	<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 October 26, 2010. Results from the test indicate that the fracture gradient is 0.669 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 810 psi to 1015 psi.

EPA: UT20847-06746 API: 43-013-32444

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

*Lucy Chavez-Naupoto*

DATE 10/27/2010

(This space for State use only)

RECEIVED

NOV 01 2010

DIV. OF OIL, GAS & MINING

## Step Rate Test (SRT) Analysis

Date: 10/26/2010

Operator: Newfield Production Company

Well: Sand Wash 11-31-8-17

Permit #: UT20847-06746

**Enter the following data :**

Specific Gravity (sg) of injectate =	<u>1.015</u>	g/cc	
Depth to top perforation (D) =	<u>4424</u>	feet	4424
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		feet	
Estimated Formation Parting Pressure (P <sub>fp</sub> ) from SRT chart =	<u>1015</u>	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =	<u>1098</u>	psi	1015
Bottom Hole Parting Pressure (P <sub>bhp</sub> ) from downhole pressure recorder =		psi	no downhole

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

**Calculated Fracture Gradient = 0.669 psi/ft.**

where: fg = P<sub>bhp</sub> / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1098

D = depth used = 4424

P<sub>bhp</sub> used = 2959

**Calculated Bottom Hole Parting Pressure (P<sub>bhp</sub>) = 2959 psi**

2959.326

to calculate Bottom Hole Parting Pressure (P<sub>bhp</sub>) = Formation Fracture Pressure (ISIP or P<sub>fp</sub>) + (0.433 \* SG \* D)

(Uses lesser of ISIP or P<sub>fp</sub>) Value used = 1015

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

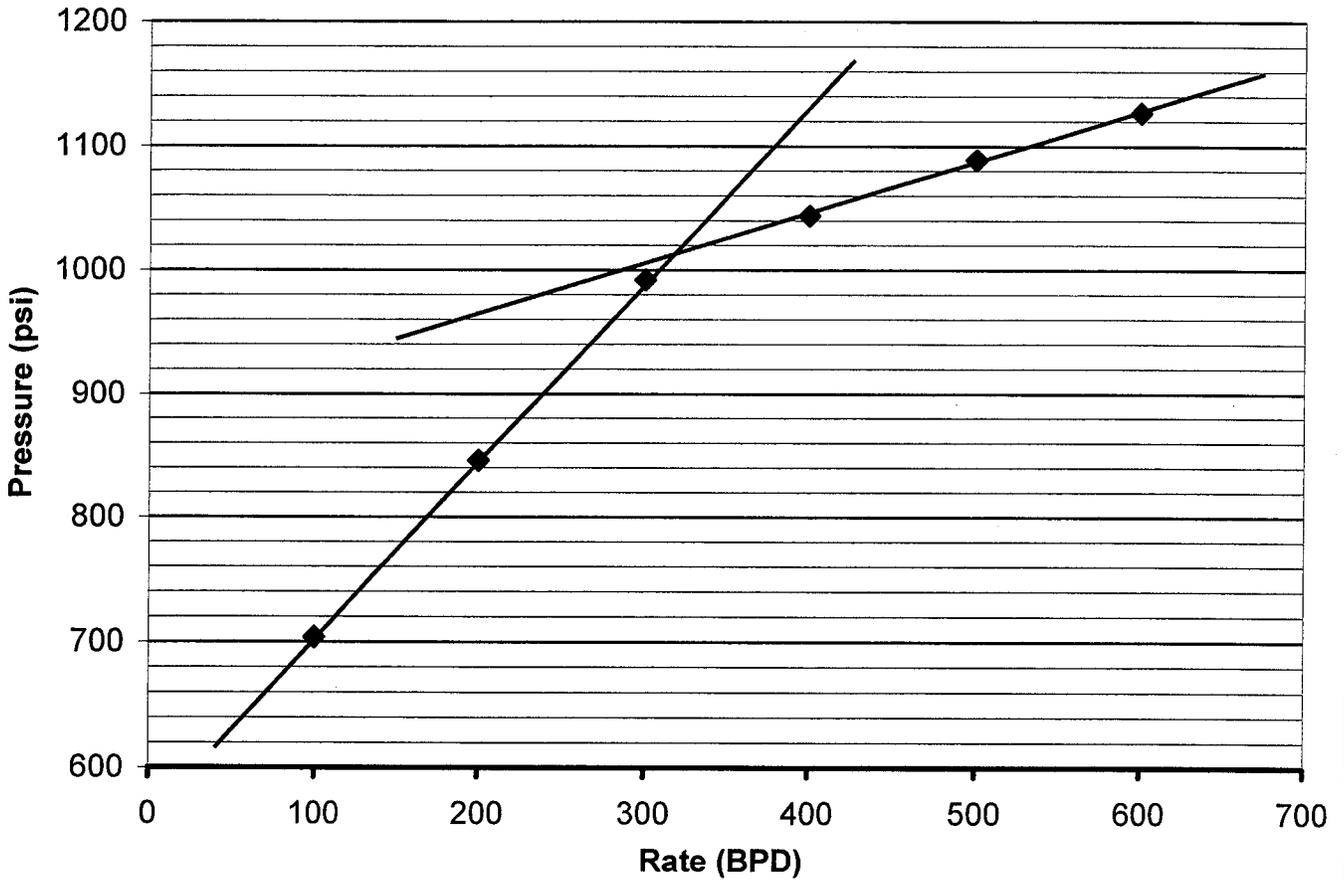
**Maximum Allowable Injection Pressure (MAIP) = 1015 psig**

D = depth used = 4424

MAIP = [(fg - (0.433 \* SG)) \* D] = 1015.330

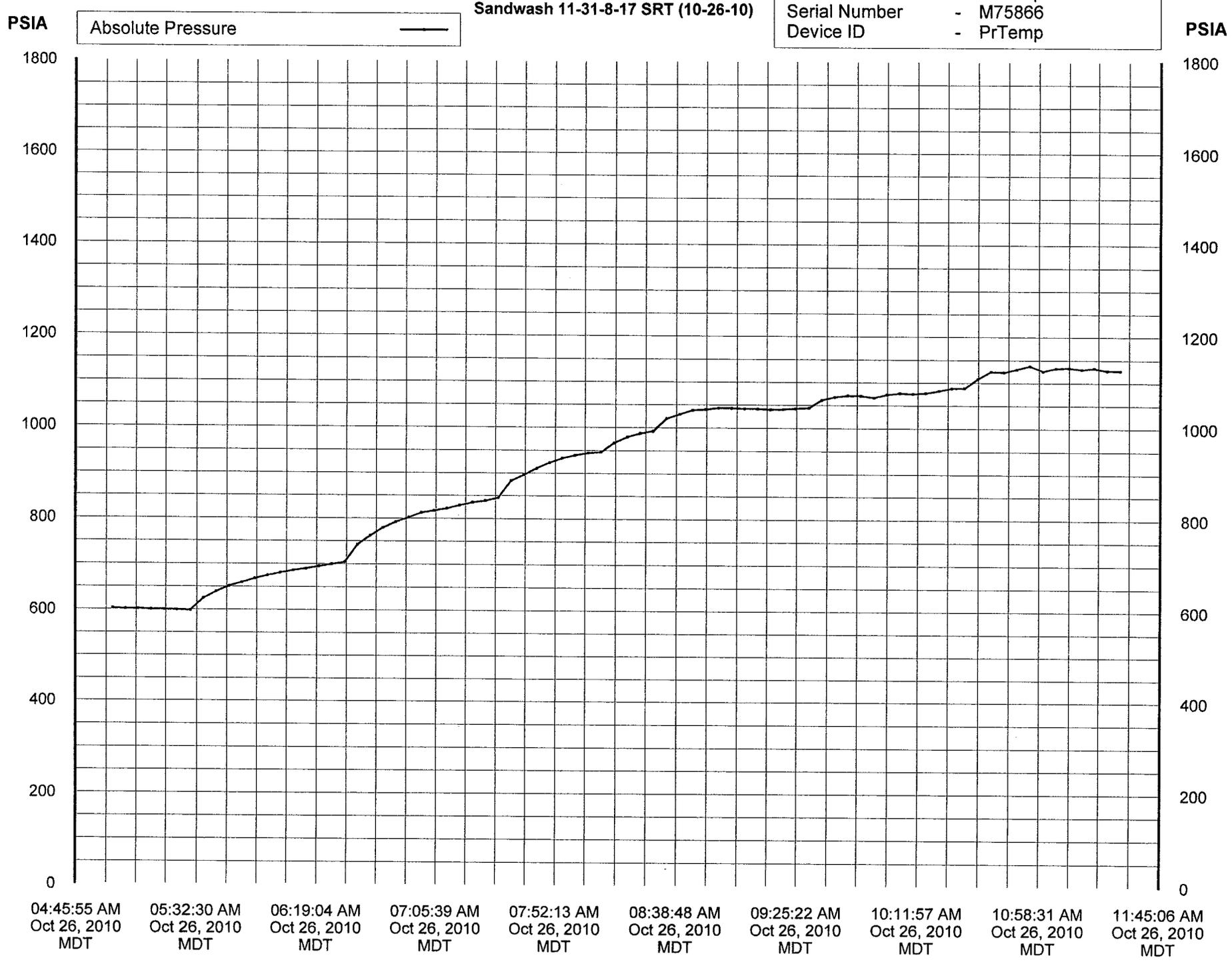
(rounded down to nearest 5 psig)

**Sandwash 11-31-8-17**  
**Greater Monument Butte Unit**  
**Step Rate Test**  
**October 26, 2010**



<b>Start Pressure:</b>	598 psi	<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
<b>Instantaneous Shut In Pressure (ISIP):</b>	1098 psi	1	100	704
<b>Top Perforation:</b>	4424 feet	2	200	846
<b>Fracture pressure (Pfp):</b>	1015 psi	3	300	992
<b>FG:</b>	0.669 psi/ft	4	400	1044
		5	500	1089
		6	600	1127

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp



Report Name:

Report Date:

File Name:

PrTemp1000 Data Table

Oct 26, 2010 01:36:17 PM MDT

C:\Program Files\PTC@ Instruments 2.00\Sandwash Federal 11-31-8-17 SRT  
(10-26-10).csv

Title:

Sandwash 11-31-8-17 SRT (10-26-10)

Device:

PrTemp1000 - Temperature and Pressure Recorder

Hardware Revision:

REV2C (64K)

Serial Number:

M75866

Device ID:

PrTemp

Data Start Date:

Oct 26, 2010 05:00:00 AM MDT

Data End Date:

Oct 26, 2010 11:30:00 AM MDT

Reading Rate:

2 Seconds

Readings:

1 to 79 of 79

Last Calibration Date:

May 22, 2009

Next Calibration Date:

May 22, 2010

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Oct 26, 2010 05:00:00 AM	602.400	PSIA
2	Oct 26, 2010 05:05:02 AM	600.800	PSIA
3	Oct 26, 2010 05:10:00 AM	601.200	PSIA
4	Oct 26, 2010 05:15:00 AM	600.200	PSIA
5	Oct 26, 2010 05:19:59 AM	600.000	PSIA
6	Oct 26, 2010 05:24:59 AM	599.400	PSIA
7	Oct 26, 2010 05:30:00 AM	598.200	PSIA
8	Oct 26, 2010 05:35:00 AM	624.800	PSIA
9	Oct 26, 2010 05:40:00 AM	639.600	PSIA
10	Oct 26, 2010 05:44:59 AM	651.200	PSIA
11	Oct 26, 2010 05:49:59 AM	659.600	PSIA
12	Oct 26, 2010 05:55:00 AM	668.000	PSIA
13	Oct 26, 2010 05:59:59 AM	675.000	PSIA
14	Oct 26, 2010 06:04:59 AM	680.800	PSIA
15	Oct 26, 2010 06:10:00 AM	686.200	PSIA
16	Oct 26, 2010 06:14:59 AM	690.200	PSIA
17	Oct 26, 2010 06:19:59 AM	695.000	PSIA
18	Oct 26, 2010 06:24:59 AM	699.600	PSIA
19	Oct 26, 2010 06:29:59 AM	704.200	PSIA
20	Oct 26, 2010 06:34:59 AM	742.200	PSIA
21	Oct 26, 2010 06:40:00 AM	761.600	PSIA
22	Oct 26, 2010 06:44:59 AM	779.400	PSIA
23	Oct 26, 2010 06:50:00 AM	791.800	PSIA
24	Oct 26, 2010 06:54:59 AM	801.600	PSIA
25	Oct 26, 2010 07:00:00 AM	812.200	PSIA
26	Oct 26, 2010 07:04:59 AM	817.200	PSIA
27	Oct 26, 2010 07:10:00 AM	822.000	PSIA
28	Oct 26, 2010 07:14:59 AM	828.800	PSIA
29	Oct 26, 2010 07:20:00 AM	835.200	PSIA
30	Oct 26, 2010 07:25:00 AM	839.000	PSIA
31	Oct 26, 2010 07:30:00 AM	845.600	PSIA
32	Oct 26, 2010 07:35:00 AM	883.200	PSIA
33	Oct 26, 2010 07:40:01 AM	896.400	PSIA
34	Oct 26, 2010 07:45:00 AM	910.400	PSIA
35	Oct 26, 2010 07:50:00 AM	923.200	PSIA
36	Oct 26, 2010 07:54:59 AM	933.200	PSIA
37	Oct 26, 2010 08:00:00 AM	939.400	PSIA
38	Oct 26, 2010 08:05:00 AM	944.600	PSIA
39	Oct 26, 2010 08:10:00 AM	946.400	PSIA
40	Oct 26, 2010 08:15:00 AM	966.800	PSIA
41	Oct 26, 2010 08:19:59 AM	979.600	PSIA
42	Oct 26, 2010 08:25:00 AM	987.600	PSIA
43	Oct 26, 2010 08:30:00 AM	992.400	PSIA
44	Oct 26, 2010 08:35:00 AM	1019.800	PSIA
45	Oct 26, 2010 08:40:00 AM	1029.200	PSIA
46	Oct 26, 2010 08:45:00 AM	1038.400	PSIA
47	Oct 26, 2010 08:50:00 AM	1040.000	PSIA
48	Oct 26, 2010 08:55:00 AM	1043.200	PSIA
49	Oct 26, 2010 09:00:00 AM	1043.000	PSIA
50	Oct 26, 2010 09:05:00 AM	1041.800	PSIA
51	Oct 26, 2010 09:10:00 AM	1041.600	PSIA
52	Oct 26, 2010 09:15:00 AM	1040.200	PSIA
53	Oct 26, 2010 09:20:00 AM	1040.800	PSIA
54	Oct 26, 2010 09:25:00 AM	1042.600	PSIA
55	Oct 26, 2010 09:30:00 AM	1044.000	PSIA
56	Oct 26, 2010 09:35:00 AM	1061.400	PSIA
57	Oct 26, 2010 09:40:00 AM	1067.800	PSIA
58	Oct 26, 2010 09:45:00 AM	1071.200	PSIA
59	Oct 26, 2010 09:50:00 AM	1070.800	PSIA

60	Oct 26, 2010 09:55:00 AM	1066.800	PSIA
61	Oct 26, 2010 10:00:00 AM	1073.600	PSIA
62	Oct 26, 2010 10:05:00 AM	1076.800	PSIA
63	Oct 26, 2010 10:10:00 AM	1075.400	PSIA
64	Oct 26, 2010 10:15:00 AM	1077.200	PSIA
65	Oct 26, 2010 10:20:00 AM	1082.400	PSIA
66	Oct 26, 2010 10:25:00 AM	1088.000	PSIA
67	Oct 26, 2010 10:30:00 AM	1088.600	PSIA
68	Oct 26, 2010 10:35:00 AM	1109.200	PSIA
69	Oct 26, 2010 10:40:00 AM	1124.800	PSIA
70	Oct 26, 2010 10:45:00 AM	1123.800	PSIA
71	Oct 26, 2010 10:50:00 AM	1130.200	PSIA
72	Oct 26, 2010 10:55:00 AM	1137.600	PSIA
73	Oct 26, 2010 11:00:00 AM	1126.200	PSIA
74	Oct 26, 2010 11:05:00 AM	1132.400	PSIA
75	Oct 26, 2010 11:10:00 AM	1133.400	PSIA
76	Oct 26, 2010 11:15:01 AM	1130.000	PSIA
77	Oct 26, 2010 11:20:00 AM	1132.800	PSIA
78	Oct 26, 2010 11:25:00 AM	1127.400	PSIA
79	Oct 26, 2010 11:30:00 AM	1127.200	PSIA

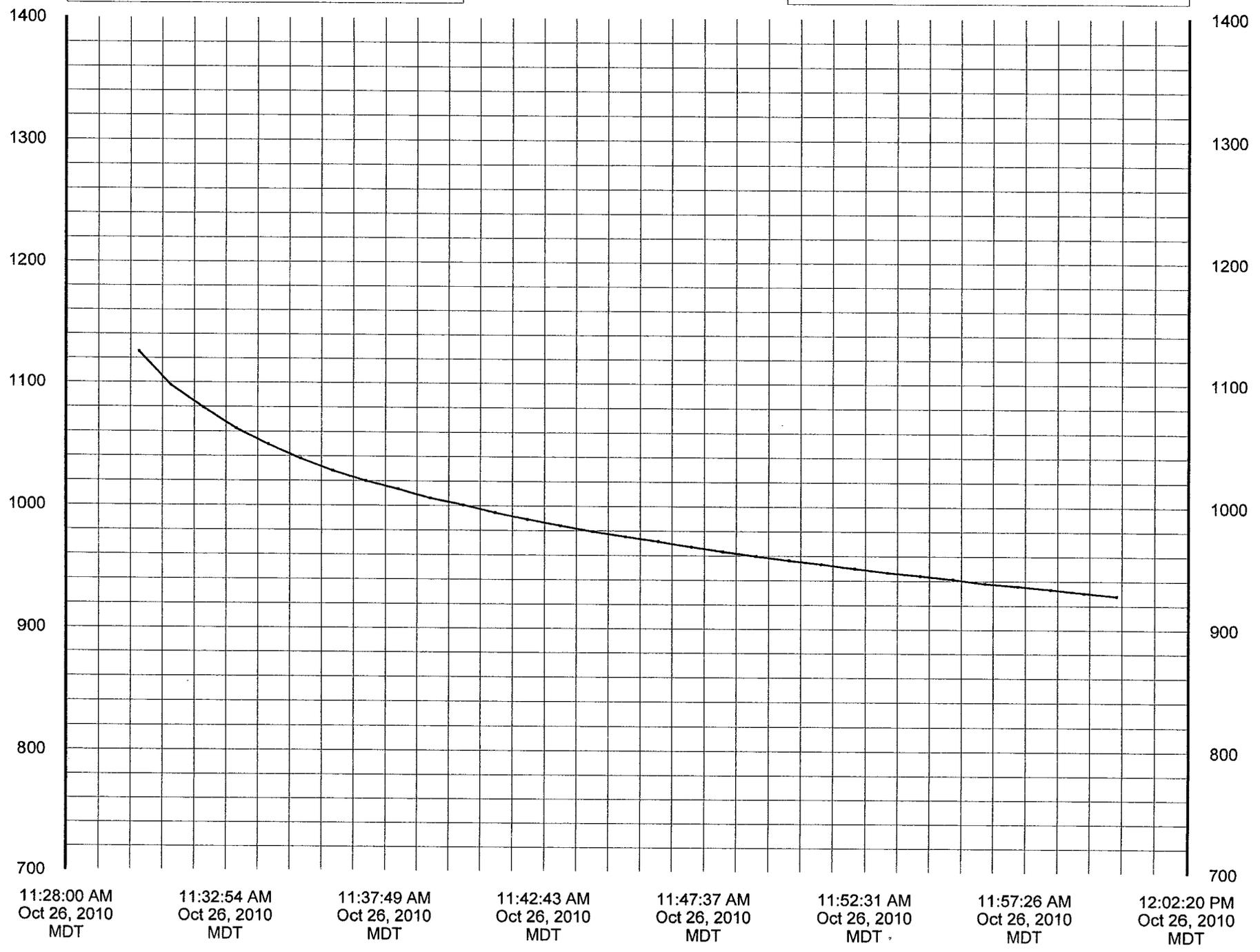
Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

Sandwash 11-31-8-17 ISIP (10-26-10)

PSIA

Absolute Pressure

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Oct 26, 2010 01:36:26 PM MDT  
 File Name: C:\Program Files\PTC® Instruments 2.00\Sandwash Federal 11-31-8-17 ISIP (10-26-10).csv  
 Title: Sandwash 11-31-8-17 ISIP (10-26-10)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Oct 26, 2010 11:30:13 AM MDT  
 Data End Date: Oct 26, 2010 12:00:13 PM MDT  
 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 (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Oct 26, 2010 11:30:13 AM	1125.400	PSIA
2	Oct 26, 2010 11:31:12 AM	1097.600	PSIA
3	Oct 26, 2010 11:32:12 AM	1079.400	PSIA
4	Oct 26, 2010 11:33:13 AM	1062.400	PSIA
5	Oct 26, 2010 11:34:12 AM	1049.600	PSIA
6	Oct 26, 2010 11:35:12 AM	1038.000	PSIA
7	Oct 26, 2010 11:36:12 AM	1028.200	PSIA
8	Oct 26, 2010 11:37:12 AM	1020.000	PSIA
9	Oct 26, 2010 11:38:12 AM	1013.400	PSIA
10	Oct 26, 2010 11:39:12 AM	1006.000	PSIA
11	Oct 26, 2010 11:40:13 AM	1000.600	PSIA
12	Oct 26, 2010 11:41:12 AM	994.400	PSIA
13	Oct 26, 2010 11:42:11 AM	989.000	PSIA
14	Oct 26, 2010 11:43:12 AM	984.000	PSIA
15	Oct 26, 2010 11:44:12 AM	979.200	PSIA
16	Oct 26, 2010 11:45:12 AM	975.200	PSIA
17	Oct 26, 2010 11:46:13 AM	971.400	PSIA
18	Oct 26, 2010 11:47:13 AM	967.000	PSIA
19	Oct 26, 2010 11:48:11 AM	963.400	PSIA
20	Oct 26, 2010 11:49:12 AM	959.800	PSIA
21	Oct 26, 2010 11:50:12 AM	956.400	PSIA
22	Oct 26, 2010 11:51:11 AM	953.400	PSIA
23	Oct 26, 2010 11:52:12 AM	950.000	PSIA
24	Oct 26, 2010 11:53:12 AM	946.600	PSIA
25	Oct 26, 2010 11:54:12 AM	944.200	PSIA
26	Oct 26, 2010 11:55:12 AM	941.400	PSIA
27	Oct 26, 2010 11:56:12 AM	938.000	PSIA
28	Oct 26, 2010 11:57:12 AM	935.800	PSIA
29	Oct 26, 2010 11:58:12 AM	933.200	PSIA
30	Oct 26, 2010 11:59:13 AM	930.400	PSIA
31	Oct 26, 2010 12:00:13 PM	928.000	PSIA

## ***Sandwash 11-31-8-17 Rate Sheet (10-26-10)***

<i>Step # 1</i>	Time:	5:35	5:40	5:45	5:50	5:55	6:00
	Rate:	100.6	100.6	100.6	100.5	100.5	100.5
	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	100.5	100.4	100.4	100.4	100.3	100.3
<i>Step # 2</i>	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	200.5	200.5	200.5	200.4	200.3	200.3
	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	200.3	200.3	200.3	200.2	200.2	200.2
<i>Step # 3</i>	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	300.5	300.5	300.4	300.4	300.4	300.4
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	300.4	300.4	300.3	300.3	300.3	300.2
<i>Step # 4</i>	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	400.4	400.4	400.4	400.4	400.3	400.3
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	400.3	400.2	400.2	400.1	400.1	400.1
<i>Step # 5</i>	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	500.6	500.5	500.5	500.5	500.5	500.5
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	500.4	500.4	500.3	500.3	500.3	500.2
<i>Step # 6</i>	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	600.4	600.4	600.4	600.4	600.2	600.2
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	600.2	600.2	600.1	600.1	600.1	600.1
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						

# NEWFIELD



February 24, 2014

Ms. Sarah Roberts  
US EPA Region 8  
8ENF-UFO Deep Well UIC  
1595 Wynkoop Street  
Denver CO 80202

RE: 5 Year MIT  
Well: Sandwash Federal 11-31-8-17  
EPA #: UT22197-06746  
API #: 43-013-32444

31 85 17E

Dear Ms. Roberts:

A 5-year MIT was conducted on the subject well on 02/19/2014. Attached are the EPA tabular sheet and a copy of the chart. You may contact me at 435-646-4874 or [lchavez-naupoto@newfield.com](mailto:lchavez-naupoto@newfield.com) if you require further information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lucy Chavez-Naupoto', written over a large, stylized circular flourish.

Lucy Chavez-Naupoto  
Water Services Technician

Sundry Number: 48103 API Well Number: 43013324440000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: SAND WASH FED 11-31-8-17
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013324440000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2012 FSL 1953 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 31 Township: 08.0S Range: 17.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/19/2014		<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER [ 5 YR MIT ]
<input type="checkbox"/> SPUD REPORT Date of Spud		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 02/19/2014 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 tbq pressure was 550 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06746		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 2/24/2014

RECEIVED: Feb. 24, 2014

# 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: 2/19/14  
 Test conducted by: IJAKI LASA  
 Others present: \_\_\_\_\_

Well Name: <u>SANDWASH FEDERAL 11-31-8-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>GREATER MONUMENT BUTTE</u>		
Location: <u>Duchesne</u> <sup>NE/SW</sup> Sec: <u>31</u> T: <u>25</u> N/S R: <u>17</u> E/W County: <u>Duchesne</u> State: <u>UTAH</u>		
Operator: <u>IJAKI LASA</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	<u>PSIG</u>

5 YEAR MIT

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: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	550 psig	psig	psig
End of test pressure	550 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	14.6 psig	psig	psig
5 minutes	1,259.6 psig	psig	psig
10 minutes	1,259.8 psig	psig	psig
15 minutes	1,259.6 psig	psig	psig
20 minutes	1,259.8 psig	psig	psig
25 minutes	1,260.4 psig	psig	psig
30 minutes	1,259.8 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

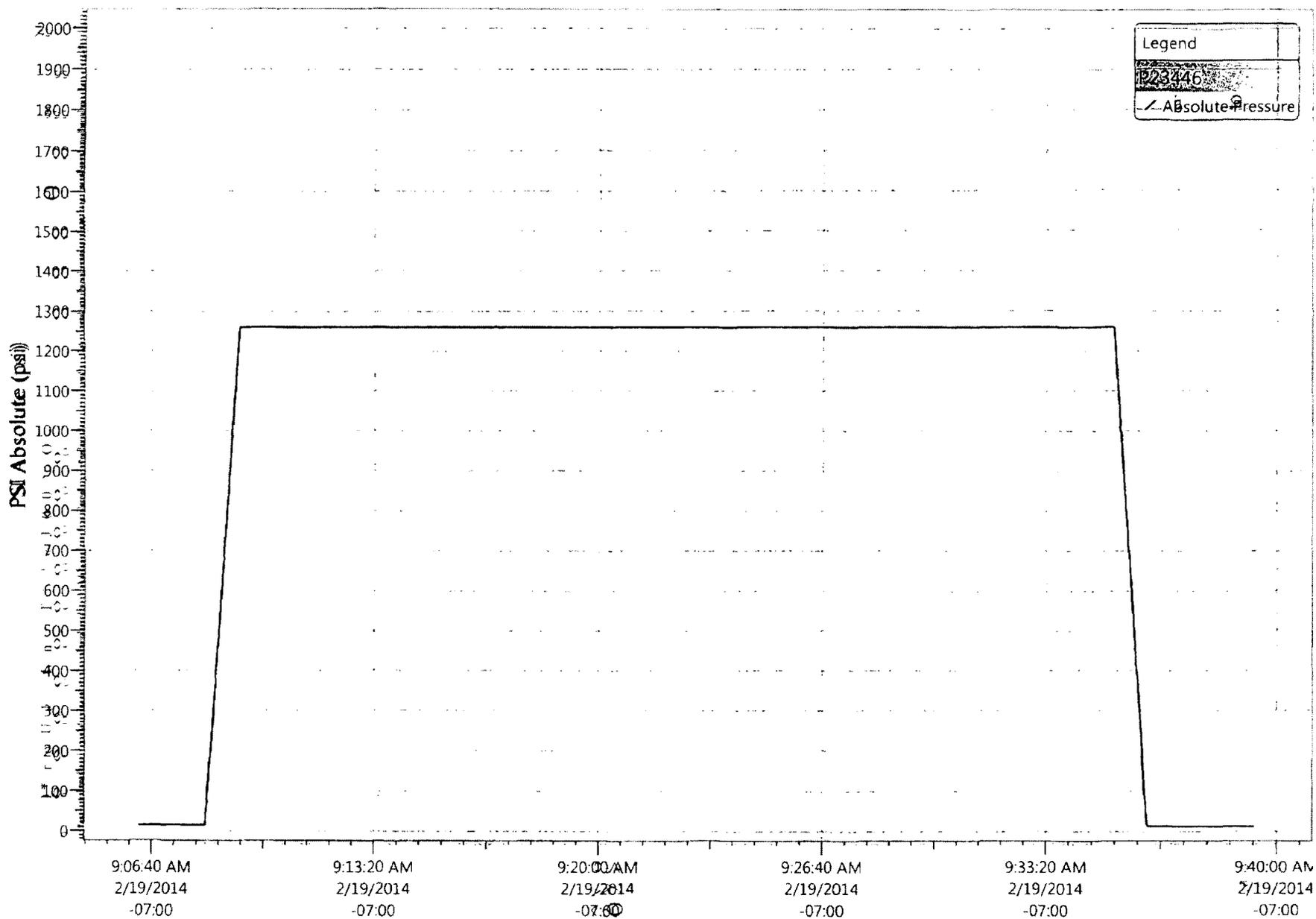
### MECHANICAL INTEGRITY PRESSURE TEST

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: Ijaki Laso

Sandwich Federal 11-31-8-17

2/19/2014 9:05:58 AM



# Sandwash Federal 11-31-8-17

Spud Date: 7/8/04  
 Put on Production: 8/12/04  
 GL: 5345' KB: 5357'

Initial Production: BOPD,  
 MCFD, BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (296.99')  
 DEPTH LANDED: 306.99' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt. est 4 bbls cmt to surf

Cement Top @ 300'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6209.08')  
 DEPTH LANDED: 6207.08' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 300'

### TUBING

SIZE GRADE WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 138 jts (4386.32')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4398.82' KB  
 TOTAL STRING LENGTH: EOT @ 4407.02' W/12.5' KB

### FRAC JOB

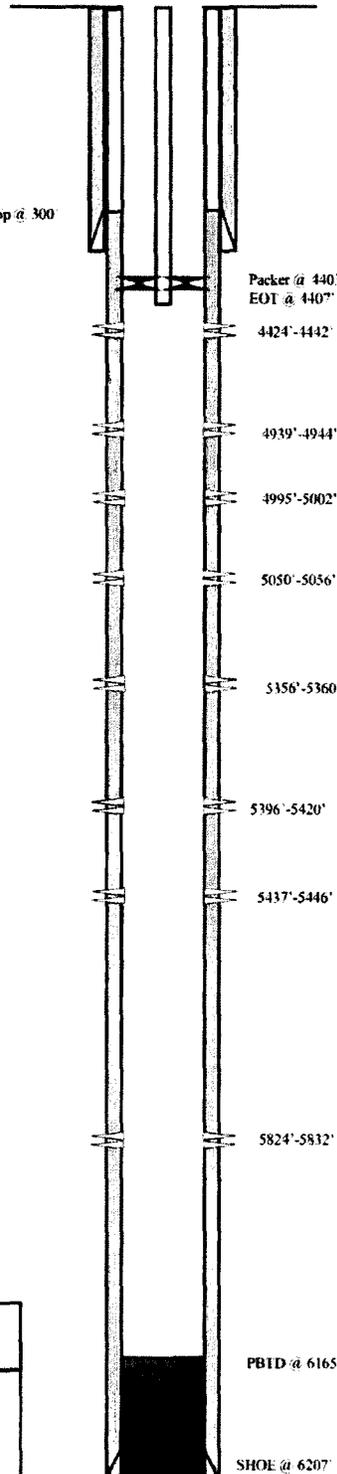
8.09.04 5356'-5446' **Frac A and 3 sands as follows:**  
 114,537# 20/40 sand in 815 bbls Lightning  
 17 Frac fluid. Treated @ avg press of 1420 psi  
 w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc  
 flush: 5354 gal. Actual flush: 5355 gal.

8.09.04 4939'-5056' **Frac C, D2 and 3 sands as follows:**  
 39,960# 20/40 sand in 373 bbls Lightning  
 17 Frac fluid. Treated @ avg press of 1875 psi  
 w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc  
 flush: 4937 gal. Actual flush: 4935 gal.

8.09.04 4424'-4442' **Frac GB6 sands as follows:**  
 65,207# 20/40 sand in 496 bbls Lightning  
 17 Frac fluid. Treated @ avg press of 1850 psi  
 w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc  
 flush: 4422 gal. Actual flush: 4326 gal.

2.16.07 **Well converted to an injection well.**

2.14.07 5824'-5832' **Frac CP2 sds as follows:**  
 w/ 14,148#s of 20/40 sand in 163 bbls of  
 Lightning 17 fluid. Broke @ 4006 psi.  
 Treated w/ ave pressure of 3470 psi @ ave  
 rate of 14.4 BPM. ISIP @ 1870.



### PERFORATION RECORD

Date	Depth Range	Tool	Holes
8.04.04	5437'-5446'	4 JSFP	36 holes
8.04.04	5396'-5420'	4 JSFP	96 holes
8.04.04	5356'-5360'	4 JSFP	16 holes
8.09.04	5050'-5056'	4 JSFP	24 holes
8.09.04	4995'-5002'	4 JSFP	28 holes
8.09.04	4939'-4944'	4 JSFP	20 holes
8.09.04	4424'-4442'	4 JSFP	72 holes
2.14.07	5824'-5832'	4 JSFP	32 holes

**NEWFIELD**

---

**Sandwash Federal 11-31-8-17**

2012 FSL & 1953 FWL

NESW Section 31 T8S-R17E

Duchesne Co, Utah

API #43-013-32444; Lease # UTU-74869

TD @ 6220'