



September 20, 2002

**RECEIVED**

SEP 23 2002

**DIVISION OF  
OIL, GAS AND MINING**

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

RE: Applications for Permit to Drill: 3-19-8-17, 4-19-8-17, 5-19-8-17,  
6-19-8-17, 11-19-8-17, 12-19-8-17, and 14-19-8-17.

Dear Brad:

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  
Permit Clerk

mc  
enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. LEASE DESIGNATION AND SERIAL NO. U-50376	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			7. UNIT AGREEMENT NAME Sand Wash	
2. NAME OF OPERATOR Inland Production Company			3. FARM OR LEASE NAME WELL NO. Sand Wash Federal 12-19-8-17	
3. ADDRESS OF OPERATOR Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721			9. API WELL NO. 43-013-32375	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface NW/SW 1938' FSL 633' FWL 4439236 Y 40.10146 At proposed Prod. Zone 580534 X -110.05517			10. FIELD AND POOL OR WILDCAT Monument Butte	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 10.8 miles south of Myton, Utah			11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA NW/SW Sec. 19, T8S, R17E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 633' f/lse line & 633' f/unit line		16. NO. OF ACRES IN LEASE 144.57	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. 1334'		19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DE, RT, GR, etc.) 5373' GR			22. APPROX. DATE WORK WILL START* 1st Quarter 2003	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

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

The Conditions of Approval are also attached.

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

24. SIGNED Michelle Proyer TITLE Permit Clerk DATE 9/20/02

(This space for Federal or State office use)

PERMIT NO. 43-013-32375 APPROVAL DATE 9/20/02

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley Hill TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 09-26-02

**Federal Approval of this Action is Necessary**

**RECEIVED**

09-26-02 SEP 23 2002

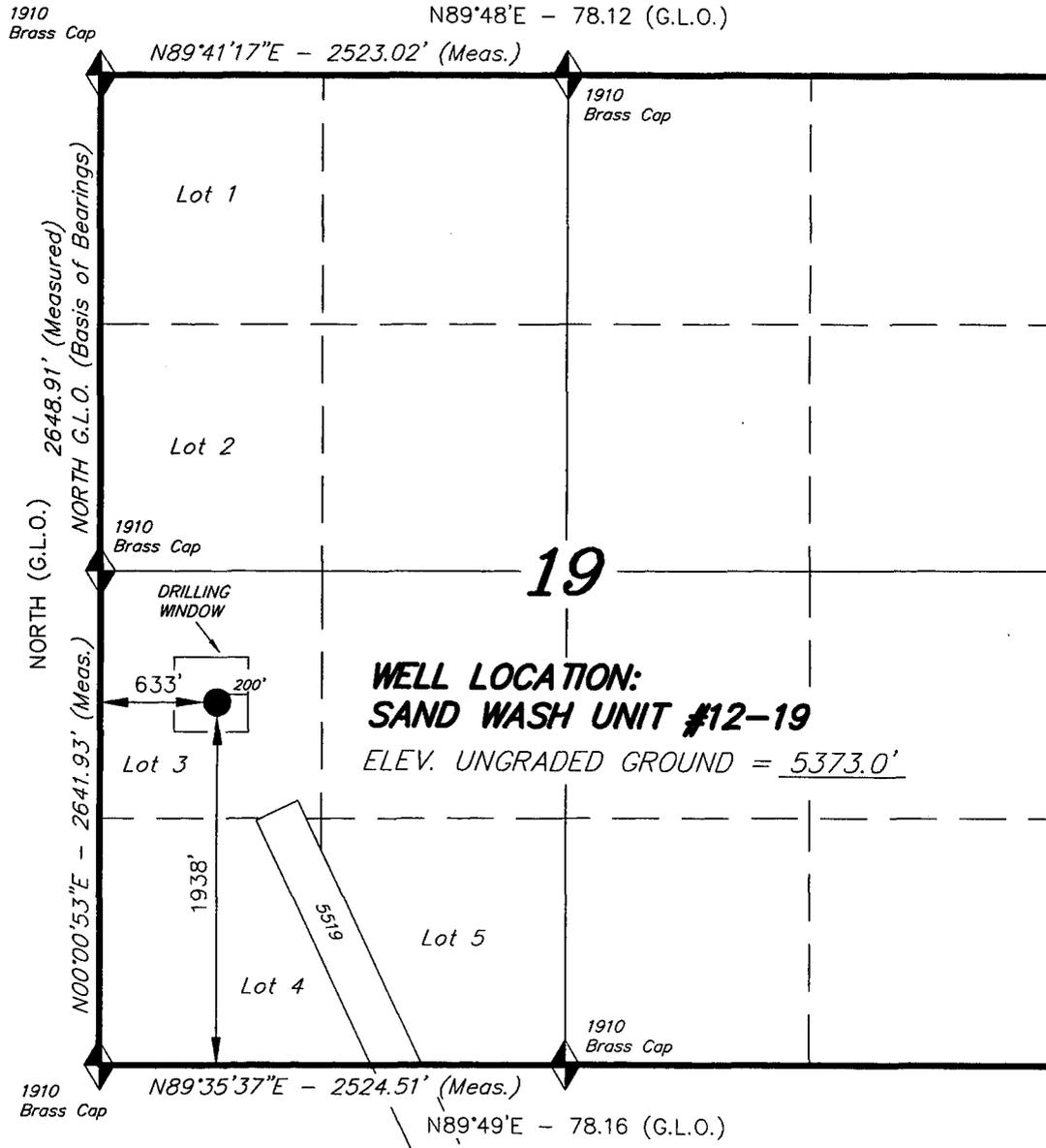
DIVISION OF  
OIL, GAS AND MINING

\*See Instructions On Reverse Side

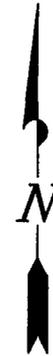
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

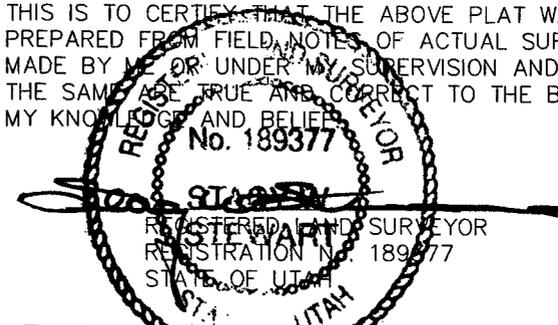
INLAND PRODUCTION COMPANY



WELL LOCATION, SAND WASH UNIT #12-19, LOCATED AS SHOWN IN LOT 3 OF SECTION 19, 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.



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

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'

SURVEYED BY: K.G.S.

DATE: 8-7-02

DRAWN BY: J.R.S.

NOTES:

FILE #

002

**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)

&lt;date&gt;

## Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2002 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
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(Proposed PZ Green River)

43-013-32374	Sand Wash Federal 11-19-8-17 Sec. 19 T.8S R.17E 1974 FSL 1931 FWL	
43-013-32375	Sand Wash Federal 12-19-8-17 Sec. 19 T.8S R.17E 1938 FSL 0633 FWL	
43-013-32376	Sand Wash Federal 14-19-8-17 Sec. 19 T.8S R.17E 0660 FSL 1980 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:<date>-<date>-<date>

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Sand Wash Federal 12-19-8-17

API Number:

Lease Number: U-50376

Location: NW/SW Sec. 19, T8S, R17E

**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**

**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.**

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

**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 poundage's are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	4 lbs/acre
Indian ricegrass	<i>Oryzopsis hymenoides</i>	2 lbs/acre
galleta grass	<i>Hilaria jamesii</i>	4 lbs/acre
Gardner salt bush	<i>Atriplex gardneri</i>	2 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.

OTHER

INLAND PRODUCTION COMPANY  
SAND WASH FEDERAL #12-19-8-17  
NW/SW SECTION 19, 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 #12-19-8-17  
NW/SW SECTION 19, 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 #12-19-8-17 located in the NW 1/4 SW 1/4 Section 19, 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 - 9.2 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 180'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

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**

Archaeological Resource Survey for this area is attached. The Paleontological Resource Survey will be forthcoming.

Inland Production Company requests a 60' ROW for the Fence Line Federal #12-19-8-17 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 Fence Line Federal #12-19-8-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

**Water Disposal**

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

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

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 #12-19-8-17 NW/SW Section 19, Township 8S, Range 17E: Lease U-50376 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.

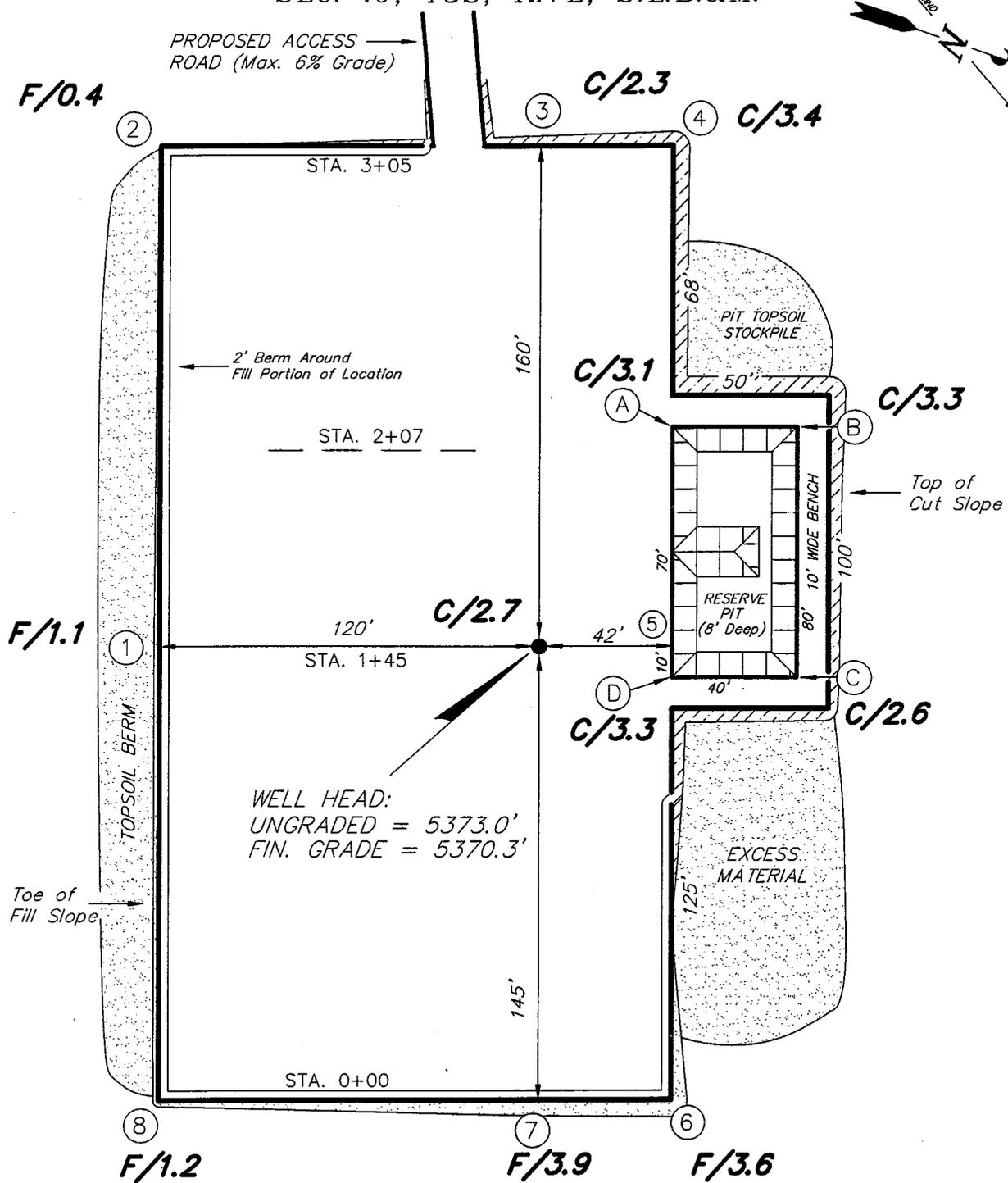
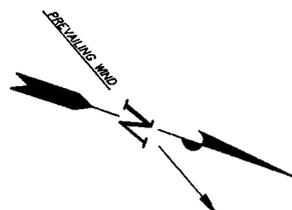
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be 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.

9/20/02  
Date

Mandie Crozier  
Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

SAND WASH UNIT #12-19  
 SEC. 19, T8S, R17E, S.L.B.&M.



### REFERENCE POINTS

- 195' EAST = 5363.8'
- 245' EAST = 5362.4'
- 170' SOUTH = 5368.2'
- 220' SOUTH = 5367.4'

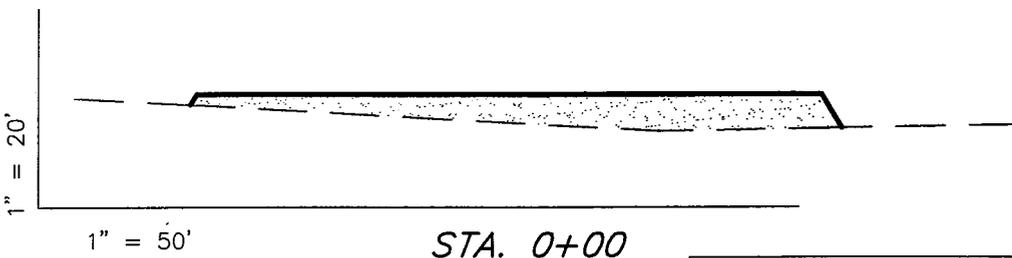
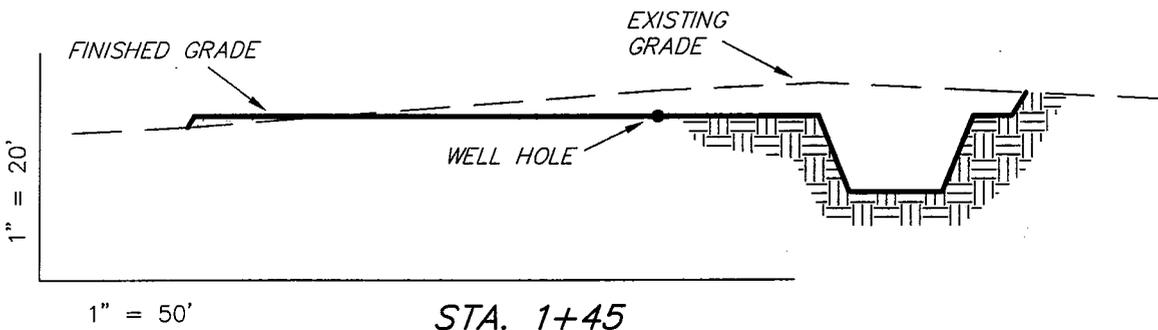
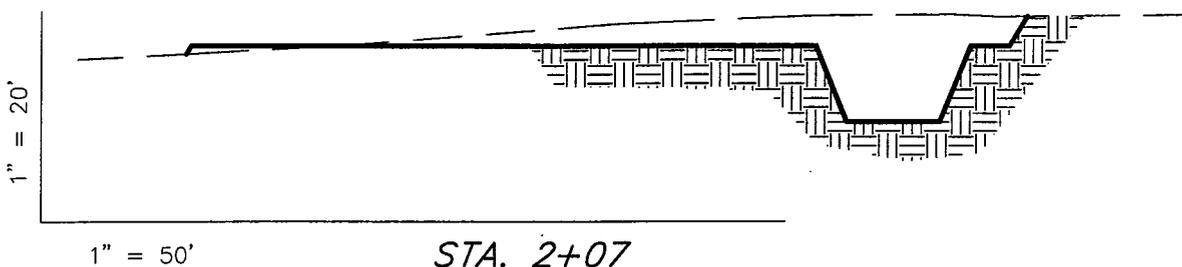
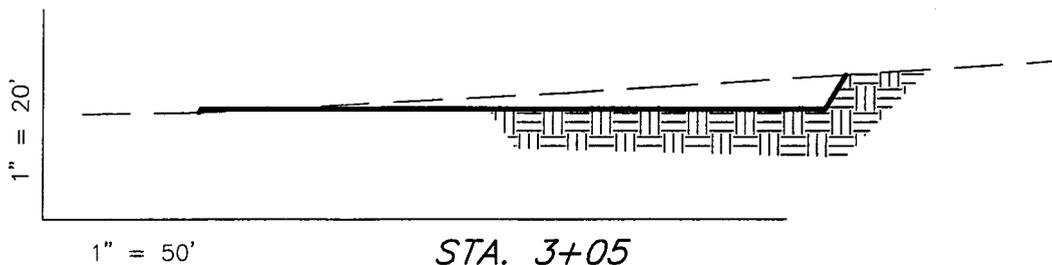
SURVEYED BY: K.G.S.	SCALE: 1" = 50'
DRAWN BY: J.R.S.	DATE: 8-7-02

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

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### SAND WASH UNIT #12-19



#### ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,750	1,750	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,390	1,750	1,010	640

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

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

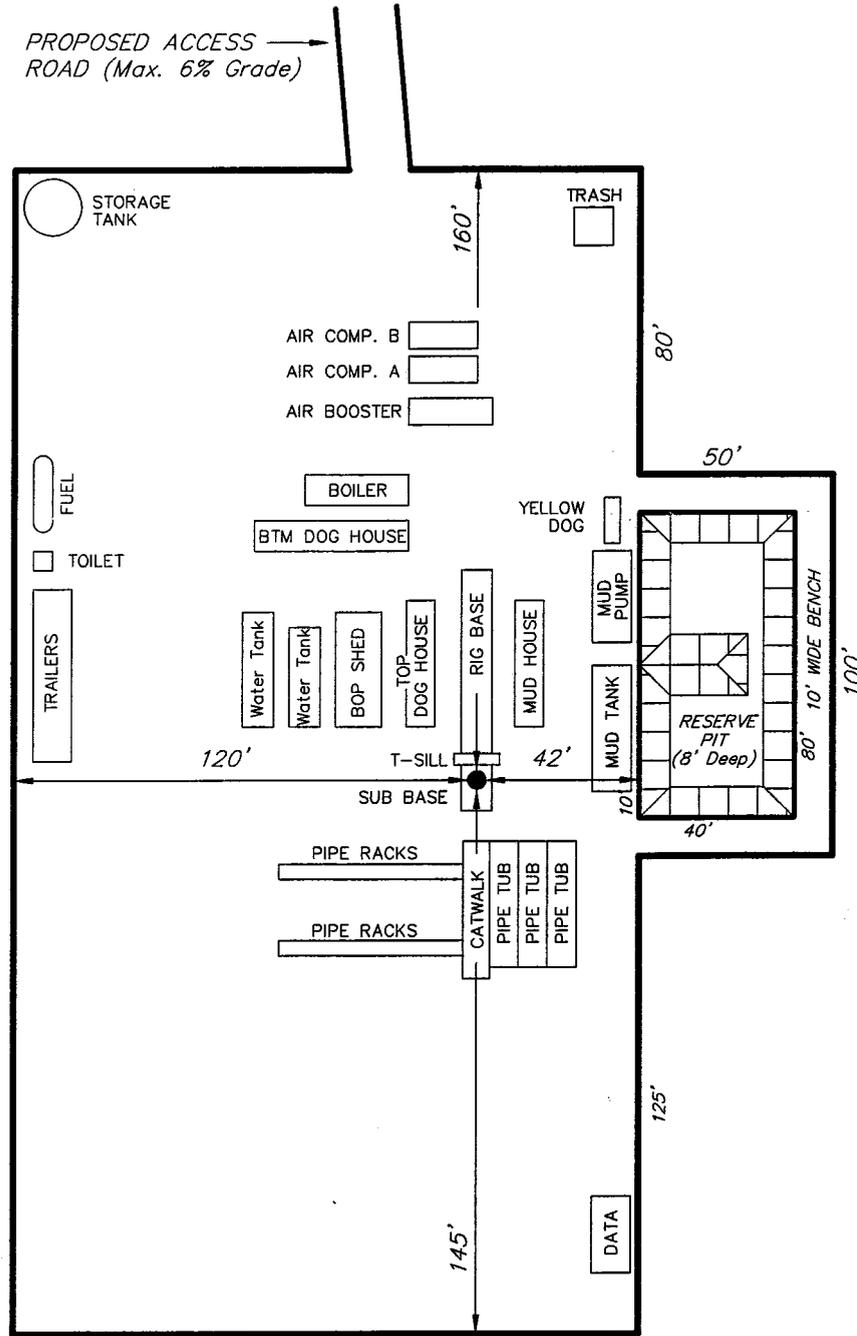
DATE: 8-7-02

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

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### SAND WASH UNIT #12-19



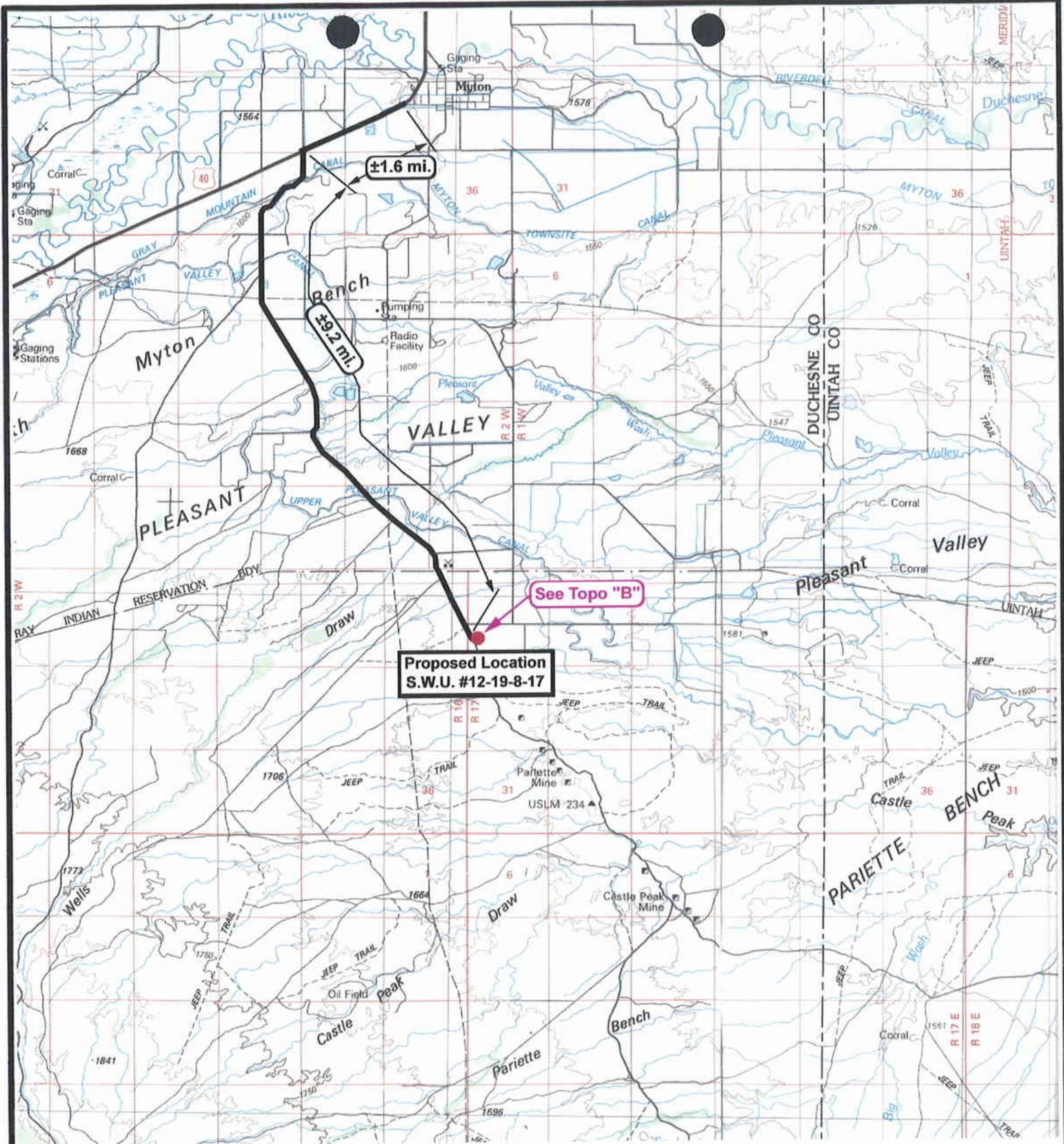
SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 8-7-02

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



**Sand Wash Unit #12-19  
SEC. 19, T8S, R17E, S.L.B.&M.**



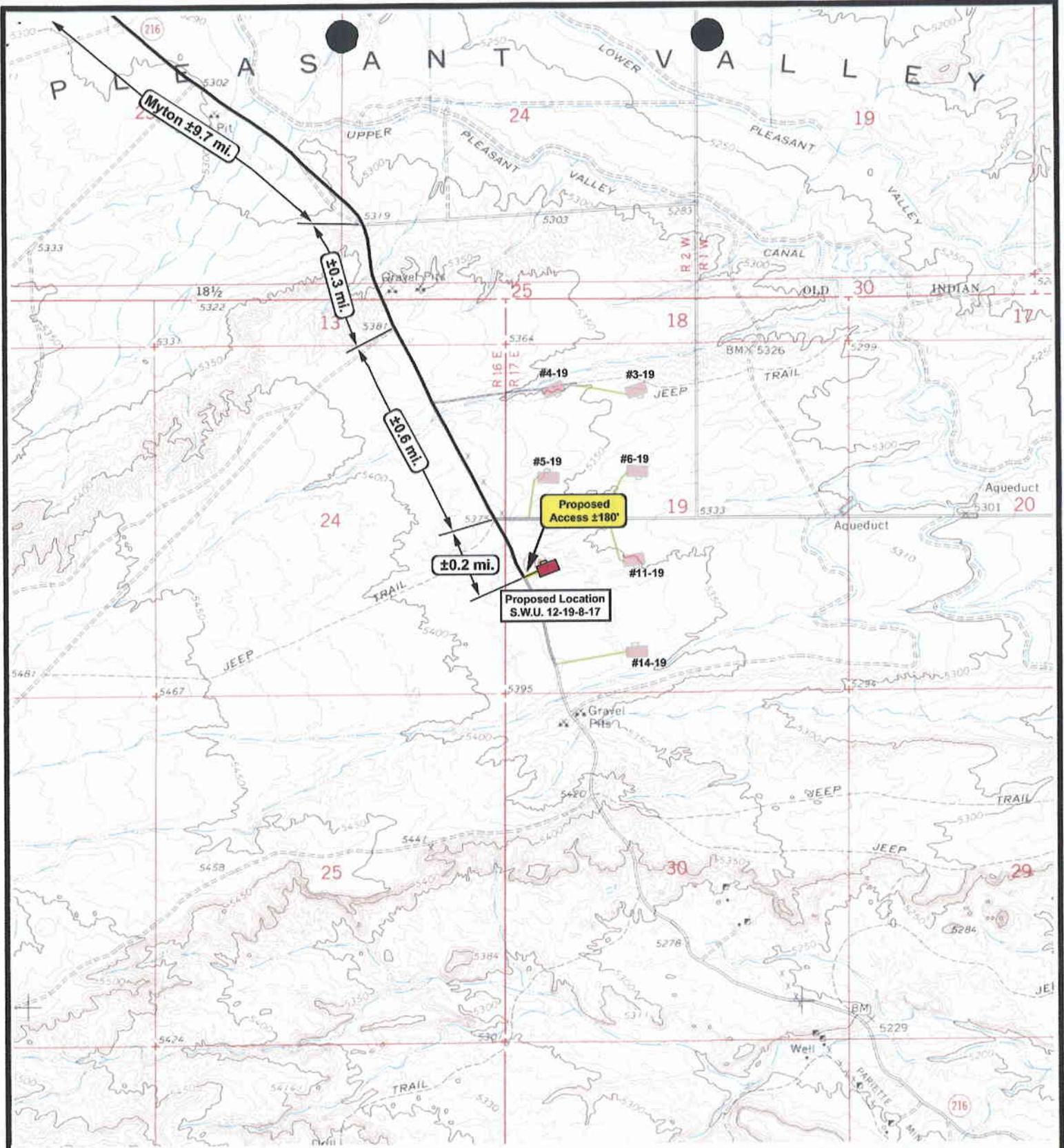
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: R.A.B.  
DATE: 08-12-2002

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



**Sand Wash Unit #12-19  
SEC. 19, T8S, R17E, S.L.B.&M.**



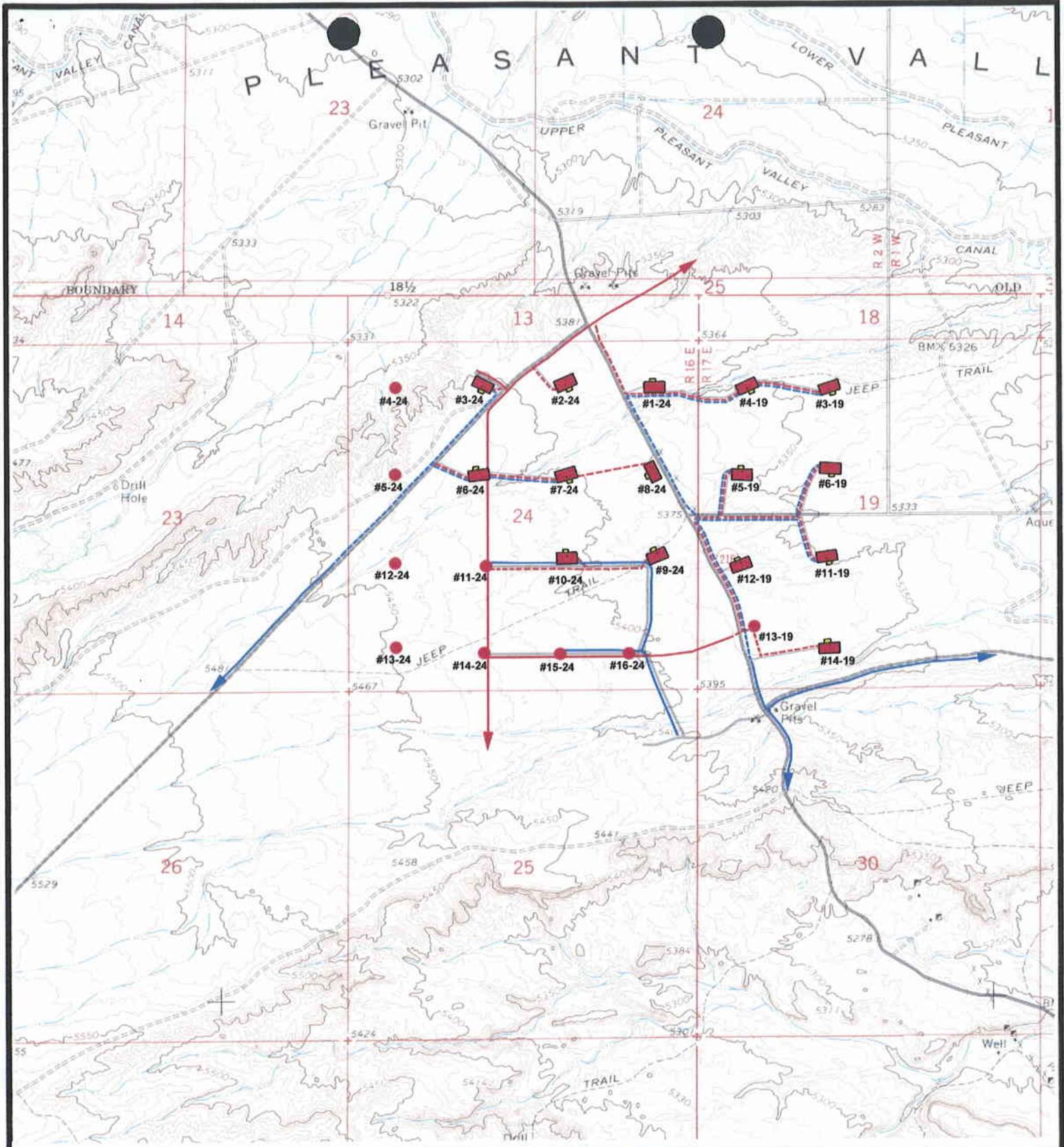
**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: R.A.B.  
DATE: 08-12-2002

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**Gas & Water Pipelines  
SEC. 19, T8S, R17E, &  
SEC. 24, T8S, R16E, S.L.B.&M.**

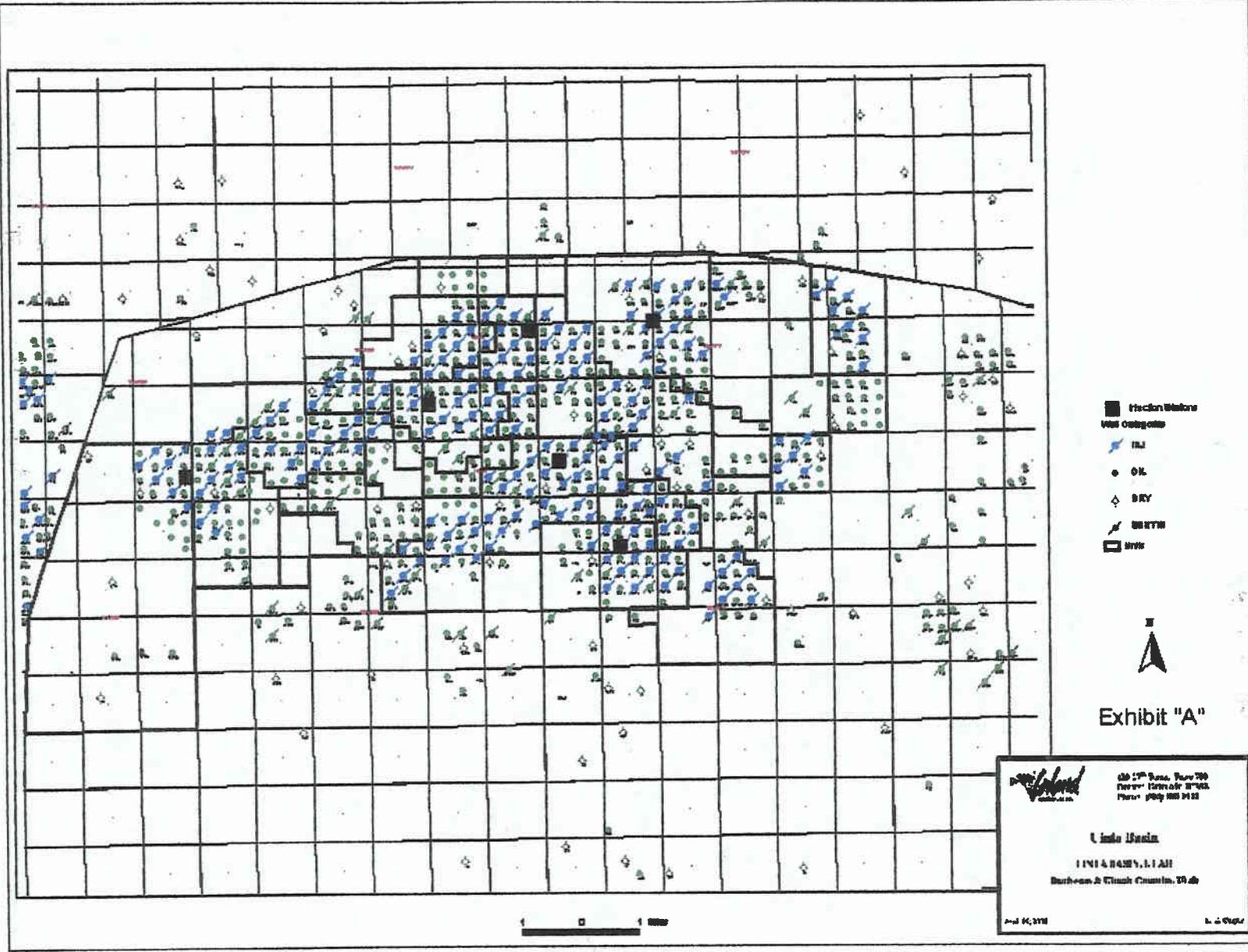


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: R.A.B.  
DATE: 09-03-2002

Legend	
	Roads
	Existing Gas Line
	Proposed Gas Line
	Existing Injection Line
	Proposed Injection Line

TOPOGRAPHIC MAP  
**"C"**



- Production Well
- Well Category
- Oil
- Gas
- Water
- Other



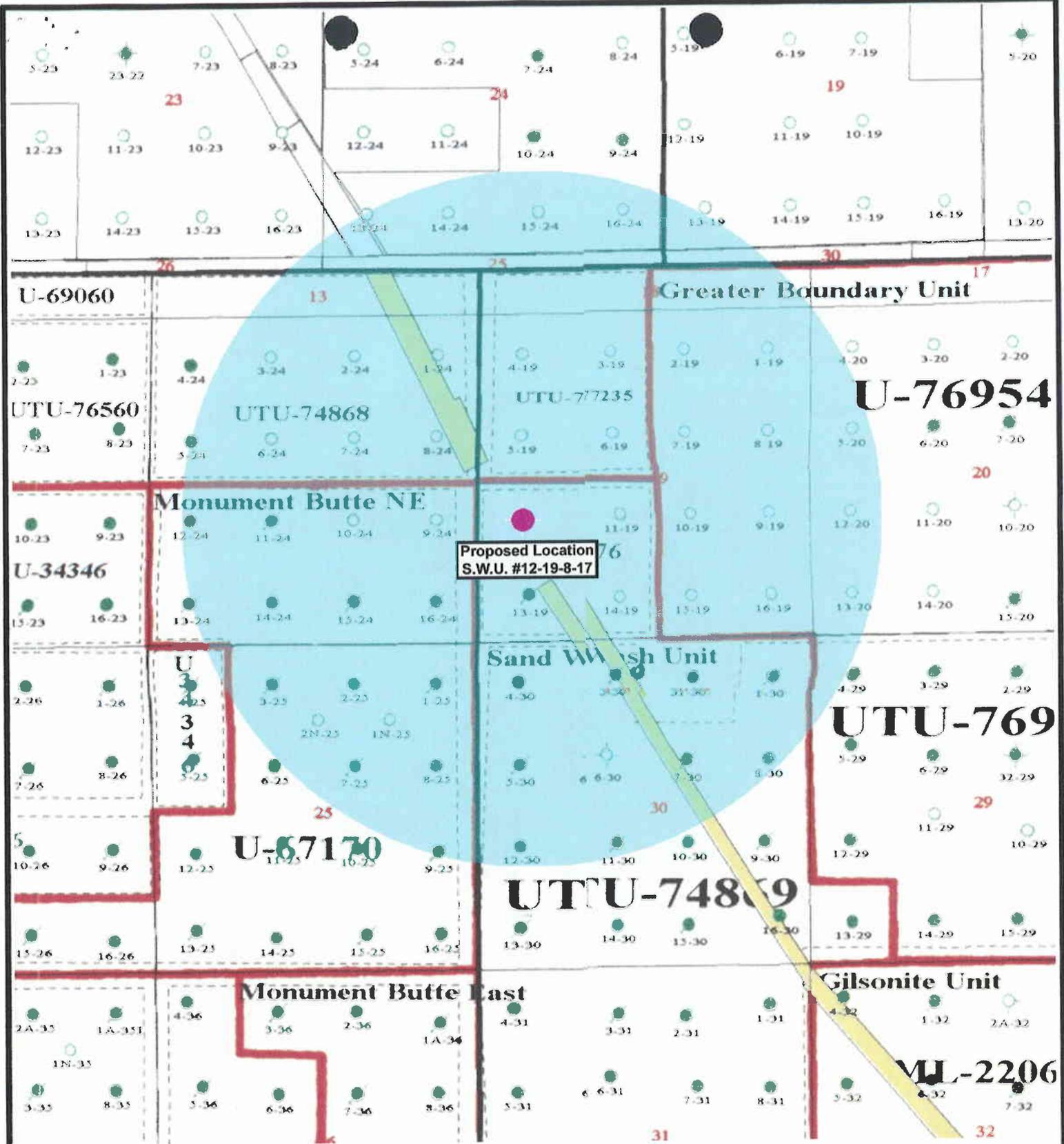
Exhibit "A"

**U.S. 15th District**  
 11th & 12th Sts. E. 1st St.  
 Barren & Clark Counties, MO

Scale: 1 inch = 1 mile

North Arrow: N

Exhibit "A"



**Sand Wash Unit #12-19  
SEC. 19, 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: 08-13-2002

**Legend**

- Proposed Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

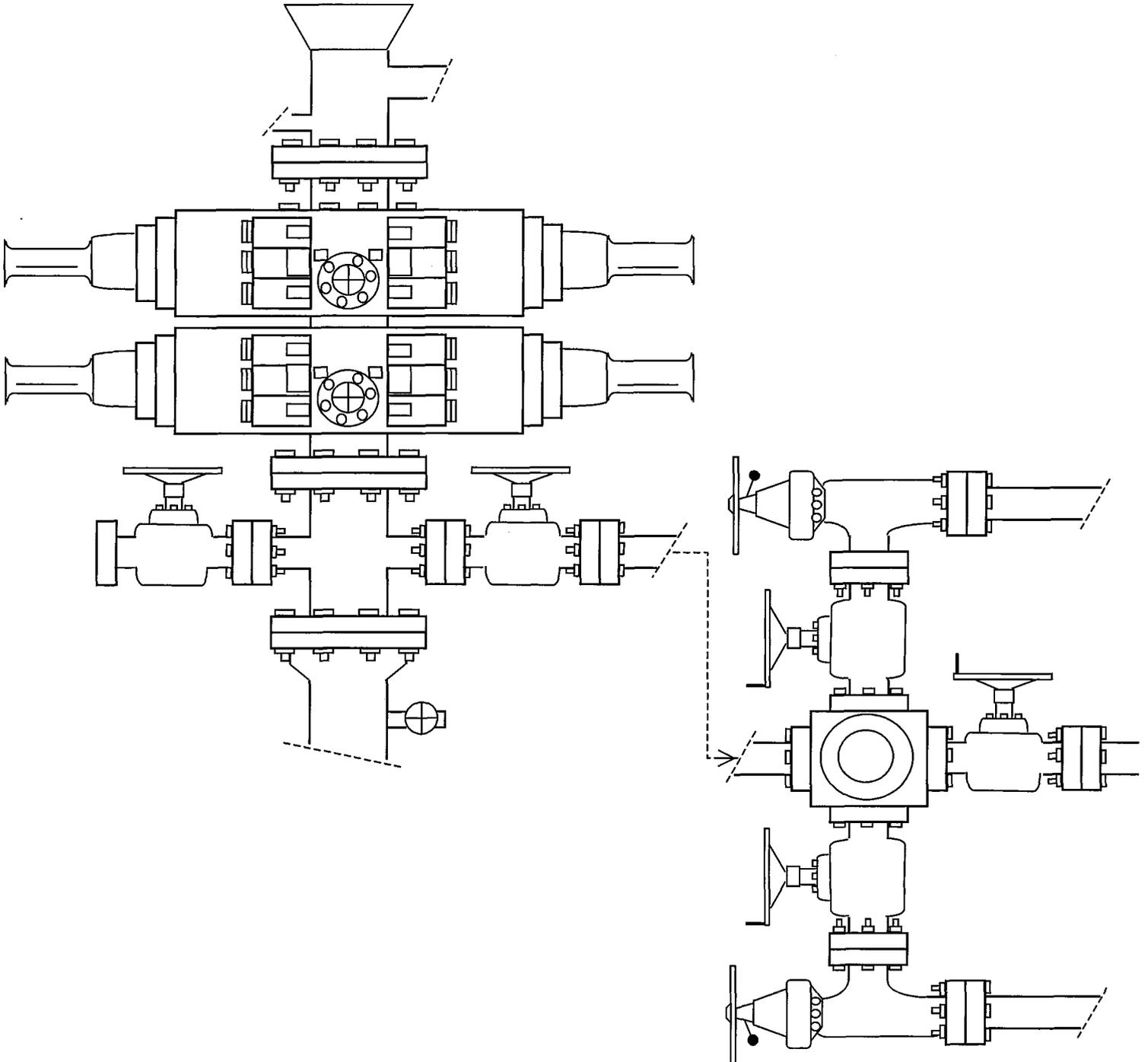


EXHIBIT C

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/23/2002

API NO. ASSIGNED: 43-013-32375

WELL NAME: SAND WASH FED 12-19-8-17  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
NWSW 19 080S 170E  
SURFACE: 1938 FSL 0633 FWL  
BOTTOM: 1938 FSL 0633 FWL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: U-50376  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: GRRV

LATITUDE: 40.10146  
LONGITUDE: 110.05517

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

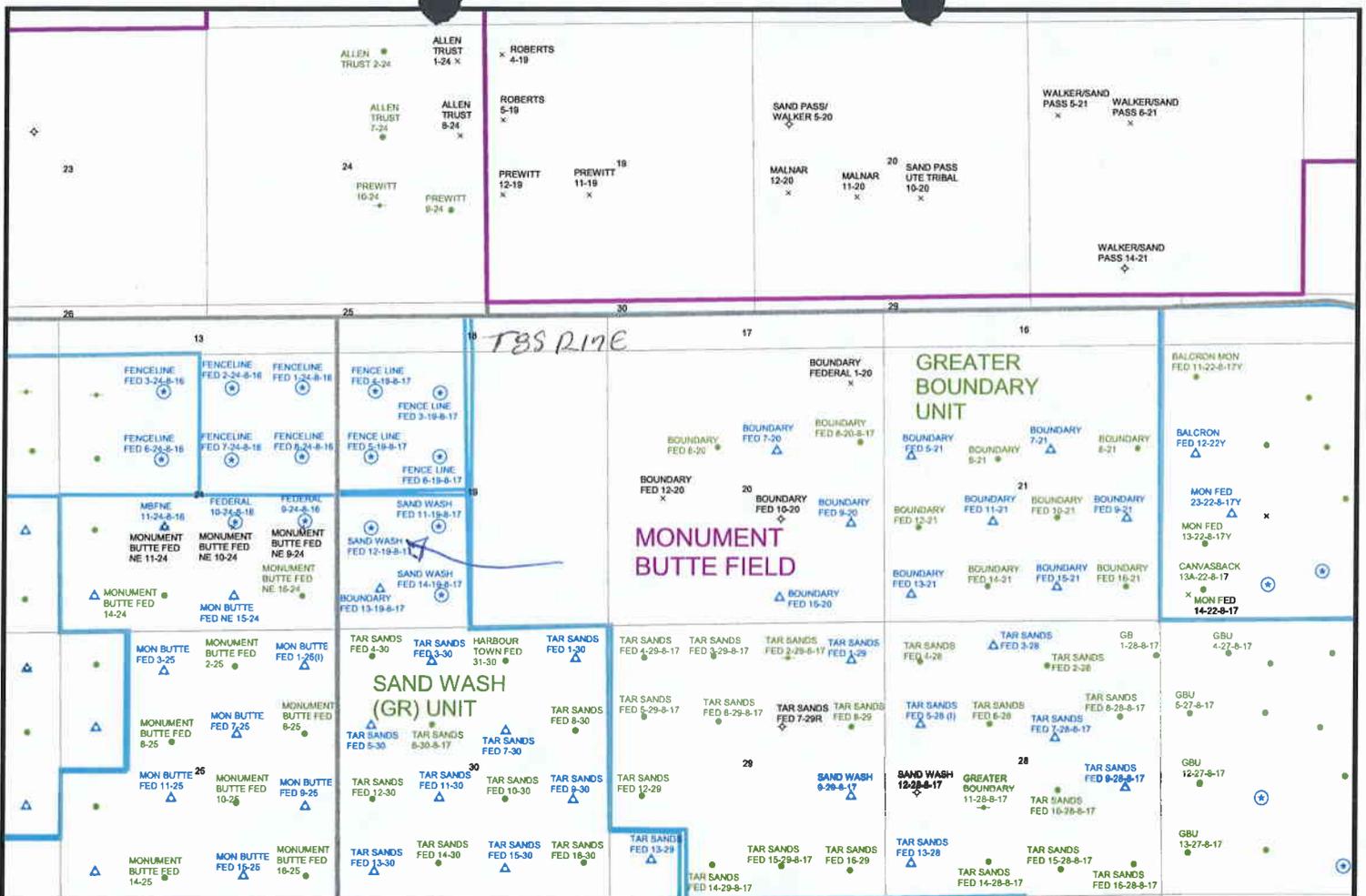
\_\_\_ R649-3-3. Exception

\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_

\_\_\_ R649-3-11. Directional Drill

COMMENTS: Sup, Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Stip



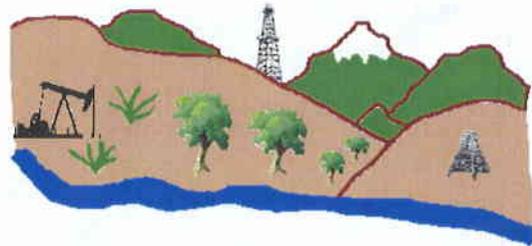
OPERATOR: INLAND PRODUCTION (N5160)

SEC. 19 T8S R 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

Well Status

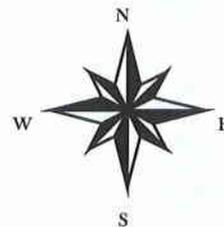
- ↗ GAS INJECTION
- ★ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- \* PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ↘ WATER DISPOSAL

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
- Section Lines
- Township Lines
- County Boundaries



PREPARED BY: DIANA MASON  
DATE: 24-SEPTEMBER-2002



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

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

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

September 26, 2002

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

Re: Sand Wash Federal 12-19-8-17 Well, 1938' FSL, 633' FWL, NW SW, Sec. 19,  
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 43-013-32375.

Sincerely,

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

John R. Baza  
Associate Director

pb  
Enclosures

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

Operator: Inland Production Company  
Well Name & Number Sand Wash Federal 12-19-8-17  
API Number: 43-013-32375  
Lease: U-50376

Location: NW SW      Sec. 19      T. 8 South      R. 17 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

405

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**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)

**1938 FSL 633 FWL      NW/SW Section 19, T8S R17E**

5. Lease Designation and Serial No.

**U-50376**

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 12-19-8-17**

9. API Well No.

**43-013-32375**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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

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

Inland Production Company requests to extend the Permit to Drill this well for one year.

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

Date: 09-22-03  
By: [Signature]

**COPY SENT TO OPERATOR**  
Date: 09-22-03  
Initials: CHO

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

Signed Mandie Crozier Title Regulatory Specialist Date 9/12/2003  
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

**RECEIVED  
SEP 15 2003**

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

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

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

**API:** 43-013-32375  
**Well Name:** Sand Wash Federal 12-19-8-17  
**Location:** NW/SW Section 19, T8S R17E  
**Company Permit Issued to:** Inland Production Company  
**Date Original Permit Issued:** 9/26/2002

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

*Martha Crozier*  
Signature

9/12/2003  
Date

Title: Regulatory Specialist

Representing: Inland Production Company



September 12, 2003

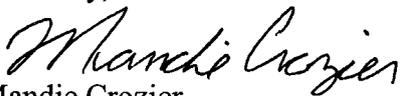
State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Mason  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: One Year Extensions on Applications for Permit to Drill.

Dear Diana:

Enclosed find one year extensions on Applications for Permit to Drill. We have already received a one year extension on the GBU 13-26-8-17 and would like to extend it for another year, since the approval that we have received from the BLM is not due to expire yet. If you have any questions, feel free to give me a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

enclosures

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SEP 15 2003

DIV. OF OIL, GAS & MINING

006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**U-50376**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

1a. TYPE OF WORK DRILL  DEEPEN

1b. TYPE OF WELL

OIL WELL  GAS WELL  OTHER

SINGLE ZONE  MULTIPLE ZONE

7. UNIT AGREEMENT NAME  
**Sand Wash**

8. FARM OR LEASE NAME WELL NO.  
**Sand Wash Federal 12-19-8-17**

2. NAME OF OPERATOR  
**Inland Production Company**

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

9. API WELL NO.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **NW/SW 1938' FSL 633' FWL**

At proposed Prod. Zone

11. SEC., T., R., M., OR BLK.  
AND SURVBY OR AREA  
**NW/SW  
Sec. 19, T8S, R17E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 10.8 miles south of Myton, Utah**

12. County **Duchesne** 13. STATE **UT**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to <b>Approx. 633' f/lse line &amp; 633' f/unit line</b> )	16. NO. OF ACRES IN LEASE <b>144.57</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx. 1334'</b>	19. PROPOSED DBPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5373' GR**

22. APPROX. DATE WORK WILL START\*  
**1st 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  
SEP 23 2002  
RECEIVED  
DEC 05 2003  
DIV. OF OIL, GAS & MINING

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. Mandie Crozes* TITLE **Permit Clerk** DATE 9/22/02

(This space for Federal or State office use)

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 *Thomas R. Leary* TITLE **Assistant Field Manager Mineral Resources** DATE 12/02/2003

\*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

02PS0559H

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company.

Well Name & Number: Sand Wash 12-19-8-17

Lease Number: U-50376

API Number: 43-013-32375

Location: Lot 3 Sec. 19 T.8S R. 17E

Agreement: None

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

**CONDITIONS OF APPROVAL**

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

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

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

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

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.  
**U-50376**

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 12-19-8-17**

9. API Well No.  
**43-013-32375**

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)  
**1938 FSL 633 FWL      NW/SW Section 19, T8S R17E**

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

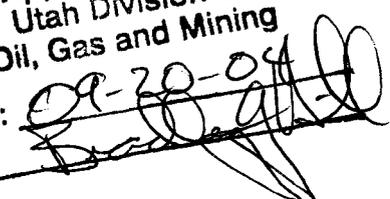
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 9/26/02 (expiration 9/22/04).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-20-04  
By: 

COPY SENT TO OPERATOR  
Date: 9-21-04  
Initials: CHD

RECEIVED  
SEP 16 2004

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

Signed Mandie Crozier Title Regulatory Specialist Date 9/13/04  
Mandie Crozier

DIV. OF OIL, GAS & MINING

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:** 43-013-32375  
**Well Name:** Fence Line Federal 12-19-8-17  
**Location:** NW/SW Section 19, T8S R17E  
**Company Permit Issued to:** Inland Production Company  
**Date Original Permit Issued:** 9/26/2002

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

Mandie Crozier  
Signature

9/13/2004  
Date

Title: Regulatory Specialist

Representing: Inland Production Company

**RECEIVED  
SEP 16 2004**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**008 SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-50376**

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

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

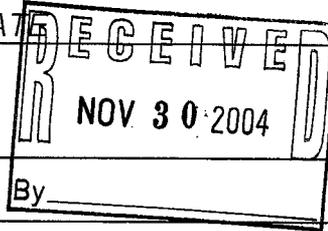
8. Well Name and No.  
**SAND WASH FEDERAL 12-19-8-17**

9. API Well No.  
**43-013-32375**

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

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

SUBMIT IN TRIPLICATE



1. Type of Well  
 Oil Well  
 Gas Well  
 Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1938 FSL 633 FWL NW/SW Section 19, 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.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 12/2/03 (expiration 12/2/04).

RECEIVED  
JAN 10 2005  
DIV. OF OIL, GAS & MINING

**CONDITIONS OF APPROVAL ATTACHED**

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

Signed Mandie Crozier Title Regulatory Specialist Date 11/29/2004  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)  
Approved by Michael Lee Title Oil and Gas Petroleum Engineer Date DEC 27 2004

Conditions of approval, if any:

CC: Utah DOGM

The U.S. Code, 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.

UDOGM

Newfield Production Co.  
APD Extension

Well: Sand Wash Federal 12-19- 8-17

Location: NWSW Sec. 19, T8S, R17E

Lease: U-50376

**Conditions of Approval**

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

1. The extension will expire 12/01/05
2. No other extensions beyond that period will be granted or allowed.

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



# 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

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



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

**OPERATOR CHANGE WORKSHEET**

**009**

Change of Operator (Well Sold)

Designation of Agent/Operator

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**SAND WASH (GREEN RIVER)**

**WELL(S)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: SAND WASH FED 12-19-8-17

Api No: 43-013-32375 Lease Type: FEDERAL

Section 19 Township 08 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # 1

### SPUDDED:

Date 08/03/05

Time 8:00 AM

How DRY

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

Reported by RAY HERRERA

Telephone # 1-435-823-1990

Date 08/03/05 Signed CHD

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

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

OPERATOR ACCT. NO. **NZ695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12308	43-013-32375	Sandwash Federal 12-19-8-17	NW/SW	19	8S	17E	Duchesne	8/03/2005	8/17/05
WELL 1 COMMENTS: <i>GRUV</i>											
A	99999	14884	43-013-32660	Federal 1-13-9-16	NE/NE	13	9S	16E	Duchesne	8/08/2005	8/17/05
WELL 2 COMMENTS: <i>GRUV</i>											
B	99999	14844	43-047-36013	Federal 12-13-9-17	NW/SW	13	9S	17E	Uintah	8/11/2005	8/17/05
WELL 3 COMMENTS: <i>GRUV</i>											
B	99999	14844	43-047-36070	Federal 8-14-9-17	SE/NE	14	9S	17E	Uintah	8/12/2005	8/17/05
WELL 4 COMMENTS: <i>GRUV</i>											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)  
 A - Establish new entity for new well (single well only)  
 B - Add new well to existing entity (group or unit well)  
 C - Re-assign well from one existing entity to another existing entity  
 D - Re-assign well from one existing entity to a new entity  
 E - Other (explain in comments section)  
 NOTE: Use COMMENT section to explain why each Action Code was selected.

*Kebbe S. Jones*  
 Signature Kebbe S. Jones  
 Production Clerk August 12, 2005  
 Title Date

RECEIVED  
AUG 12 2005

PAGE 02  
INLAND  
4356463031  
08/12/2005 08:32

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
UTU50376

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.  
SAND WASH FEDERAL 12-19-8-17

9. API Well No.  
4301332375

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne,UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1938 FSL 633 FWL  
NW/SW Section 19 T8S R17E

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

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

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

On 8-03-05 MIRU NDSI spud rig #1. Drill 310' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 306.62' KB. On 8-09-05 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 4 bbls cement to pit.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Ray Herrera	Title Drilling Foreman
Signature <i>Ray Herrera</i>	Date 08/09/2005

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

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

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

(Instructions on reverse)

**RECEIVED**  
**AUG 1 / 2005**  
DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 306.62

LAST CASING 8 5/8" SET AT 306.62'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD-DRILLER 310' LOGGER N/A  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production  
 WELL Sand Wash Federal 12-19-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		35.75' SH jt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	294.77
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			296.62
TOTAL LENGTH OF STRING		296.62	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>306.62</b>
TOTAL		294.77	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		294.77	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	8/3/2005	8:00 AM	GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		8/6/2005	3:00 PM	Bbls CMT CIRC TO SURFACE <u>4 bbls</u>			
BEGIN CIRC		8/9/2005	8:12 AM	RECIPROCATED PIPE I N/A <u>N/A</u>			
BEGIN PUMP CMT		8/9/2005	8:24 AM	DID BACK PRES. VALVE HOLD ? <u>N/A</u>			
BEGIN DSPL. CMT		8/9/05	8:35	BUMPED PLUG TO <u>270</u> PSI			
PLUG DOWN		8/9/2005	8:44 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Ray Herrera

DATE August 9, 2005

RECEIVED

AUG 1 / 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1938 FSL 633 FWL  
 NW/SW    Section 19 T8S R17E

5. Lease Serial No.  
 UTU50376

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.  
 SAND WASH FEDERAL 12-19-8-17

9. API Well No.  
 4301332375

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 Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

On 8/27/2005 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 274'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,600'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 149 jt's of 5.5 J-55, 15.5# csgn. Set @ 6590.88' / KB. Cement with 450 sks cement mixed @ 11.0 ppg & 3.43 yld. The 475 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers returned to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig 12:00 am on 9/2/2005.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/Typed) Floyd Mitchell	Drilling Supervisor
Signature <i>Floyd Mitchell</i>	Date 09/02/2005

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

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

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

(Instructions on reverse)

**RECEIVED**

**SEP 08 2005**

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

5 1/2" CASING SET AT 6590.98

LAST CASING 8 5/8" SET AT 306'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6600' Loggers TD 6601' \_\_\_\_\_  
 HOLE SIZE 7 7/8"

Fit cllr @ 6547'  
 OPERATOR Inland Production Company  
 WELL Sand Wash 12-19-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Patterson- Rig # 155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	<b>5.89' @ 4072'</b>					
<b>149</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	6533.52
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	44.21
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6592.98
TOTAL LENGTH OF STRING		6592.98	150	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		257.6	6	CASING SET DEPTH			<b>6590.98</b>
TOTAL		<b>6835.33</b>	156	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6835.33	156				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		9/1/2005	12:30 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		9/1/2005	4:00 PM	Bbls CMT CIRC TO SURFACE <u>All spacers to pit</u>			
BEGIN CIRC		9/1/2005	4:00 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		9/1/2005	5:31 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		9/1/2005	18:35	BUMPED PLUG TO <u>2100</u> PSI			
PLUG DOWN		<b>9/1/2005</b>	<b>7:02PM</b>				
CEMENT USED		4 CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>450</b>	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>475</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Floyd mitchell DATE 9/2/2005

**RECEIVED**  
**SEP 08 2005**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1938 FSL 633 FWL  
 NW/SW Section 19 T8S R17E

5. Lease Serial No.  
 UTU50376

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.  
 SAND WASH FEDERAL 12-19-8-17

9. API Well No.  
 4301332375

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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 checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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.)

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

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

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

I hereby certify that the foregoing is true and correct	Title
Name (Printed/Typed) Mandie Crozier	Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 09/22/2005

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

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

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

(Instructions on reverse)

**RECEIVED**

**SEP 22 2005**

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.

5. Lease Serial No.  
UTU50376

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.  
SAND WASH FEDERAL 12-19-8-17

9. API Well No.  
4301332375

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1938 FSL 633 FWL  
NW/SW Section 19 T8S R17E

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

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

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

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

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

COPY SENT TO OPERATOR  
Date: 9-26-05  
Initials: [Signature]

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed) Mandie Crozier Title Regulatory Specialist

Signature [Signature] Date 09/22/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_ Title Accepted by the Utah Division of Oil, Gas and Mining 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 Federal Approval Of This Action Is Necessary

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)

By: [Signature] Date: 9/22/05

RECEIVED  
SEP 22 2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

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

1938 FSL 633 FWL

NW/SW Section 19 T8S R17E

5. Lease Serial No.

UTU50376

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

SAND WASH UNIT

8. Well Name and No.

SAND WASH FEDERAL 12-19-8-17

9. API Well No.

4301332375

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 09/14/05 - 09/21/05

Subject well had completion procedures initiated in the Green River formation on 09-14-05 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (6473'-6479'),(6322'-6326'); Stage #2 (6178'-6188'); Stage #3 (5950'-5964'); Stage #4 (5402'-5416'); Stage #5 (4791'-4794'),(4699'-4705'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 09-19-2005. Bridge plugs were drilled out and well was cleaned to 6545.00'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 09-21-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Lana Nebeker

Signature

Title

Production Clerk

Date

10/10/2005

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

Approved by

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Title

Office

Date

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(Instructions on reverse)

**RECEIVED**

**OCT 11 2005**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

2. NAME OF OPERATOR: Newfield Exploration Company  
 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: 1938' FSL & 633' FWL (NW/SW) Sec.19, T8S, R17E  
 At top prod. Interval reported below  
 At total depth \_\_\_\_\_

14. API NO.: 43-013-32375 DATE ISSUED: 9/26/02  
 15. DATE SPUDDED: 8/3/05 16. DATE T.D. REACHED: 9/1/05 17. DATE COMPL. (Ready to prod.): 9/21/05 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*: 5373' GL 5385' KB  
 19. ELEV. CASINGHEAD: \_\_\_\_\_  
 20. TOTAL DEPTH, MD & TVD: 6600' 21. PLUG BACK T.D., MD & TVD: 6545' 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 4699'-6479'  
 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 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6591'	7-7/8"	450 sx Premlite II and 475 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6450'	TA @ 6380'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4&BS) 6322'-6326', 6473'-6479'	.41"	4/40	6322'-6326'	Frac w/ 30,584# 20/40 sand in 346 bbls fluid
(CP2) 6178'-6188'	.43"	4/40	6178'-6188'	Frac w/ 65,477# 20/40 sand in 556 bbls fluid
(LODC) 5950'-5964'	.43"	4/56	5950'-5964'	Frac w/ 160,294# 20/40 sand in 1094 bbls fluid
(C) 5402'-5416'	.43"	4/56	5402'-5416'	Frac w/ 60,843# 20/40 sand in 489 bbls fluid
(GB4&6) 4699'-4705', 4791'-4794'	.43"	4/36	4699'-4794'	Frac w/ 37,443# 20/40 sand in 344 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION: 9/21/05 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump): 2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump WELL STATUS (Producing or shut-in): PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	55	27	41	491

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: \_\_\_\_\_ DATE: OCT 25 2005

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: *Mandie Crozier* TITLE: Regulatory Specialist DATE: 10/24/2005  
 Mandie Crozier

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name</b> <b>Sandwash Federal 12-19-8-17</b>	Garden Gulch Mkr	4181'	
				Garden Gulch 1	4387'	
				Garden Gulch 2	4515'	
				Point 3 Mkr	4799'	
				X Mkr	5030'	
				Y-Mkr	5061'	
				Douglas Creek Mkr	5188'	
				BiCarbonate Mkr	5461'	
				B Limestone Mkr	5597'	
				Castle Peak	6081'	
				Basal Carbonate	6492'	
				Total Depth (LOGGERS)	6601'	



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 8**

**1595 Wynkoop Street  
DENVER, CO 80202-1129**

**Phone 800-227-8917**

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

**SEP 08 2010**

Ref: 8P-W-GW

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

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

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

RE: Underground Injection Control (UIC)  
Additional Well to Sand Wash Area Permit  
EPA UIC Permit UT20847-08864  
Well: Sand Wash Federal 12-19-8-17  
NWSW Sec. 19- T8S-R17E  
Duchesne County, Utah  
API No.: 43-013-32375

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) hereby authorizes Newfield Production Company (Newfield) to convert the oil well Sand Wash Federal 12-19-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Sand Wash Area Permit No. UT20847-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

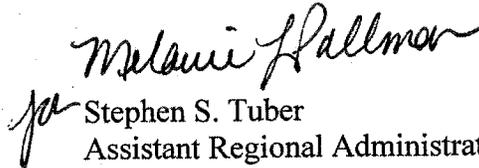
**RECEIVED**

**SEP 22 2010**

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

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or 1-(800)-227-8917 (Ext. 312-6174). Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



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

Enclosures: Authorization for Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Wellbore and P&A schematics for Sand Wash Federal 12-19-8-17

cc: Letter Only:

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

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

## AUTHORIZATION FOR ADDITIONAL WELL

### UIC Area Permit UT20847-00000

The Sand Wash Final UIC Area Permit UT20847-00000, effective May 26, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On July 26, 2010, Newfield Production Company (Newfield) notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Sand Wash Federal 12-19-8-17
EPA Permit ID Number:	UT20847-08864
Location:	633' FWL & 1,938' FSL NWSW Sec. 27-T8S-R17E Duchesne County, Utah API #43-013-32375

Pursuant to 40 CFR §144.33, Sand Wash Area UIC Permit UT20847-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

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

This Authorization is effective upon signature.

Date: 9/8/10

*for* Melanie Hallman  
**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

Authorization for Additional Well: UIC Area Permit UT20847-00000  
Well: Sand Wash Federal 12-19-8-17 EPA Well ID: UT20847-08864

## INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Sand Wash Federal 12-19-8-17  
EPA Well ID Number: UT20847-08864

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member No. 2 of the Green River Formation at 4,507 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,617 ft.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,385 psig, based on the following calculation:

$$\text{MAIP} = [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where}$$
$$\text{FG} = 0.735 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = 4,699 \text{ ft. (top perforation depth KB)}$$
$$\text{Initial MAIP} = 1,385 \text{ psig}$$

UIC Area Permit No. UT20847-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22 (c). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

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

### Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than once every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** At the time of issuance of this UIC Permit, the Environmental Protection Agency Region 8 (EPA) has identified deficiencies in Newfield Production Company's (Newfield) Financial Statement submitted on June 10, 2010, as a demonstration of the company's ability to plug and abandon all Newfield injection wells permitted by EPA. EPA's Office of Enforcement, Compliance and Environmental Justice (ECEJ) is taking action to correct any deficiencies. EPA's Office of Partnerships and Regulatory Assistance (OPRA), the division responsible for issuing all UIC permits, has determined that these deficiencies in Financial Responsibility do not represent an imminent endangerment to underground sources of drinking water in the Monument Butte Field and that the issuance of UIC permits to Newfield should continue while ECEJ works with Newfield to correct any deficiencies. In the event that Newfield is unable to return to full compliance on Financial Responsibility within a reasonable period of time, OPRA may stop the issuance of new UIC permits to Newfield until Newfield fully demonstrates Financial Responsibility for all Newfield injection wells currently operating under EPA UIC permits.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 3,266 ft. to 3,454 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 188-foot balanced cement plug inside the 5-1/2" casing from approximately 3,266 ft. to 3,454 ft.

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,923 ft., from approximately 1,863 ft. to 1,983 ft., unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from approximately 1,863 ft. to 1,983 ft.

PLUG NO. 4: Perforate and squeeze cement up the 5-1/2" x 8-5/8" casing annulus to the surface unless pre-existing cement precludes cementing this interval. Set a Class "G" cement plug within the 5-1/2" casing, from a depth of 423 ft. to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Sand Wash Federal 12-19-8-17  
EPA Well ID Number: UT20847-08864

**Underground Sources of Drinking Water (USDWs):** USDWs in the Boundary Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 373 ft. below ground surface in the Sand Wash Federal 12-19-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs can occur at deeper depths.

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

**Composition of Source, Formation, and Injectate Water:** The Total Dissolved Solids (TDS) content of water produced from the Garden Gulch and Douglas Creek Members of the Green River Formation was determined to be 18,311 mg/l on July 27, 2009.

The TDS content of injectate was determined to be 11,140 mg/l on January 1, 2010. The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water.

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

**Confining Zone:** The "B" Shale Confining Zone, which directly overlies the Garden Gulch Member No. 2 is 94 ft. of shale between the depths of 4,413 ft. and 4,507 ft.

**Injection Zone:** The Injection Zone at this well location is approximately 2,110 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member No. 2 at 4,507 ft. to the top of the Wasatch Formation which is estimated to be at 6,617 ft. Formation tops are either submitted by the operator or are based on correlations to the Newfield Production Federal 1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The Cement Bond Log (CBL) does show a sufficient interval of continuous 80 percent or greater cement bond index across the “B” Shale Confining Zone (4,413 ft. to 4,507 ft.). Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is not required.

Surface Casing: 8-5/8" casing is set at 307 ft. in a 12-1/4" hole, using 160 sacks Class “G” cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,591 ft. in a 7-7/8" hole secured with 875 sacks of cement. Reported total depth is 6,600 ft. Plugged back total depth is 6,543 ft. CBL top of cement is 270 ft.

Perforations: Top perforation: 4,699 ft. Bottom perforation: 6,206 ft.

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

The following four (4) well locations that penetrate the “B” Shale Confining Zone within or proximate to a ¼-mile radius around the Sand Wash Federal 12-19-8-17 well evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs: No corrective action required.

Monument Butte NE 9-24-8-17      API: 43-013-32359      NESE Sec. 24-T8S-R17E  
CBL identifies 80% cement bond across “B” Shale Confining Zone. Note that this is a Utah State primacy Class II injection well. Utah State Clause – UIC 332.

Fence Line Federal 5-19-8-17      API: 43-013-32372      SWNW Sec. 19-T8S-R17E  
CBL does not identify 80% cement bond within “B” Shale Confining Zone. EPA approved RTS dated December 12, 2009. UT21127-07630.

Sand Wash Federal 11-19-8-17      API: 43-013-32374      NESW Sec. 19-T8S-R17E  
CBL does Identify 80% cement bond across “B” Shale Confining Zone. UT20847-07567

Boundary Federal 13-19-8-17      API: 43-013-31625      SWSW Sec. 19-T8S-R17E  
CBL does identify 80% cement bond across “B” Shale Confining Zone. UT20702-04675.

### **Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 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 days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

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

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

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

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

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

UT 20847-08964

Sand Wash Federal 12-19-8-17

Spud Date: 8-03-05  
 Put on Production: 9-21-05  
 GL: 5373' KB: 5385'

Proposed Injection  
 Wellbore Diagram

Initial Production: BOPD,  
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294.77')  
 DEPTH LANDED: 306.62' KB *Base USDWs 375'*  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

*Green River 1928'*

PRODUCTION CASING

CSG SIZE: 5-1/2" *Trone 3316-3382'*  
 GRADE: J-55 *Mahogany Beach 3382-3404'*  
 WEIGHT: 15.5#  
 LENGTH: 150 jts. (6577.73')  
 DEPTH LANDED: 6590.98' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP AT: 360'

TUBING

SIZE/GRADE/AWT: 2-7/8" / J-55 *Garden Gulch 2 4507'*  
 NO. OF JOINTS: 188 jts (6047.96')  
 TUBING ANCHOR: 6059.96' KB *80% Bond 4288-4588'*  
 NO. OF JOINTS: 3 jts (96.51')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6159.27' KB  
 NO. OF JOINTS: 3 jts (97.15')  
 TOTAL STRING LENGTH: EOT @ 6295.37' KB

*Douglas Creek 5193'*

FRAC JOB

09-16-05 6322-6479' **Frac BS, & CP4 sands as follows:**  
 30584# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 2249 psi w/avg rate of 22.6 BPM. ISIP 2630 psi. Calc flush: 6320 gal. Actual flush: 6342 gal.

09-16-05 6178-6188' **Frac CP2 sands as follows:**  
 65477# 20/40 sand in 556 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 22.8 BPM. ISIP 2290 psi. Calc flush: 6176 gal. Actual flush: 6174 gal.

09-16-05 5950-5964' **Frac LODC sands as follows:**  
 160294# 20/40 sand in 1094 bbls Lightning 17 frac fluid. Treated @ avg press of 2062 psi w/avg rate of 22.9 BPM. ISIP 2650 psi. Calc flush: 5948 gal. Actual flush: 5964 gal.

09-16-05 5402-5416' **Frac C sands as follows:**  
 60843# 20/40 sand in 489 bbls Lightning 17 frac fluid. Treated @ avg press of 1814 psi w/ avg rate of 22.8 BPM. ISIP 2200 psi. Calc flush: 5400 gal. Actual flush: 5376 gal.

09-16-05 4699-4794' **Frac GB4 & GB6 sands as follows:**  
 37443# 20/40 sand in 344 bbls Lightning 17 frac fluid. Treated @ avg press of 1727 psi w/ avg rate of 23 BPM. ISIP 2200 psi. Calc flush: 4697 gal. Actual flush: 4620 gal.

*4134' - 4178' Admin. Confine Zone*  
*4178' Garden Gulch Marker*  
*4294' - 4384' "A" Shale*  
*4413' - 4507' "B" Shale Confine Zone*

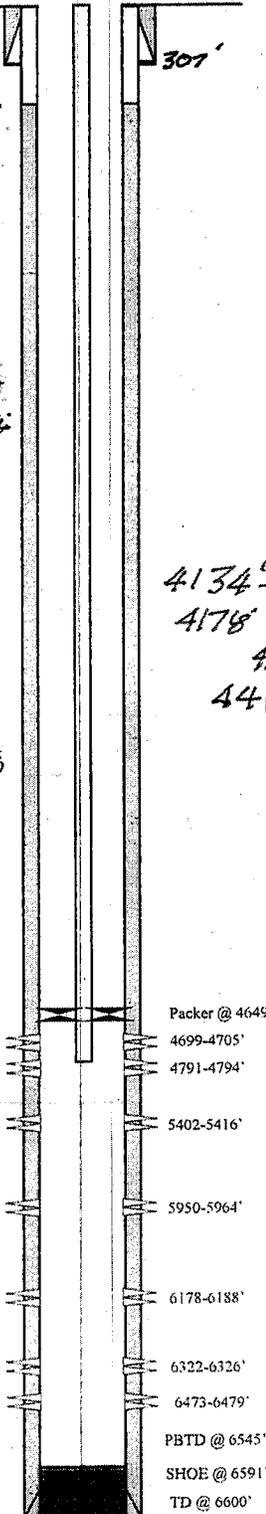
11-15-06 Pump Change: Testing of Rod detail updated.  
 04/18/07 Pump Change: Updated rod and tubing detail.  
 1-21-08 Pump Change: Updated rod & tubing details.  
 2/3/09 Pump Change: Updated r & t details.

PERFORATION RECORD

09-14-05	6473-6479'	4 JSPF	16 holes
09-14-05	6322-6326'	4 JSPF	24 holes
09-16-05	6178-6188'	4 JSPF	40 holes
09-16-05	5950-5964'	4 JSPF	56 holes
09-16-05	5402-5416'	4 JSPF	56 holes
09-16-05	4791-4794'	4 JSPF	12 holes
09-16-05	4699-4705'	4 JSPF	24 holes

*6492' Bassal Carbonate*

*Est. 1/18/08 6617'*



**NEWFIELD**

**Ashley Federal 12-19-8-17**

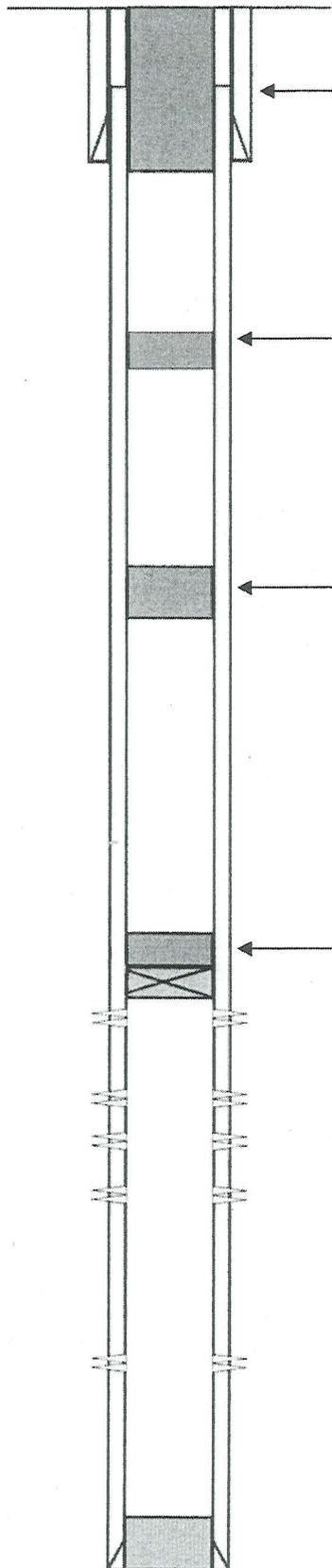
1938' FSL & 633' FWL

NW/SW Section 19-T8S-R17E

Duchesne Co. Utah

API #43-013-32375, Lease #UTU-50376

## Plugging and Abandonment Diagram Sand Wash Federal 12-19-8-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 423 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation, 1,863 feet - 1,983 feet, unless existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot balanced cement plug inside the casing from approximately 1,863 feet - 1,983 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and Mahogany Bench from approximately 3,266 feet - 3,454 feet unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 188-foot balanced cement plug inside of the casing approximately 3,266 feet - 3,454 feet.

Plug 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.



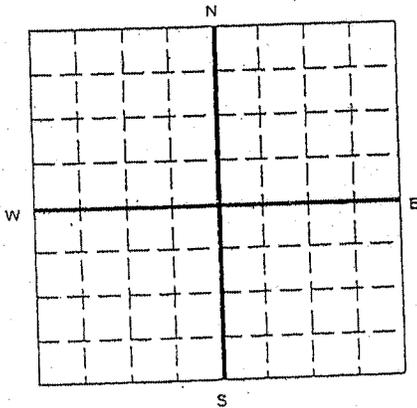
United States Environmental Protection Agency  
Washington, DC 20460

### 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. from (N/S) \_\_\_\_\_ Line of quarter section  
 and \_\_\_\_\_ ft. from (E/W) \_\_\_\_\_ Line of quarter section.

- WELL ACTIVITY
- Brine Disposal
  - Enhanced Recovery
  - Hydrocarbon Storage

Lease Name \_\_\_\_\_

Total Depth Before Rework \_\_\_\_\_

Total Depth After Rework \_\_\_\_\_

Date Rework Commenced \_\_\_\_\_

Date Rework Completed \_\_\_\_\_

TYPE OF PERMIT

- Individual
  - 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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-50376
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> SAND WASH FED 12-19-8-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013323750000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FSL 0633 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 19 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/10/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="New Perforation"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 09/10/2014. New interval added: 5897-5910' 3JSPF. Initial MIT on the above listed well. On 09/10/2014 the casing was pressured up to 1365 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10613</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 15, 2014</b></p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/11/2014

## 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: 9/10/14  
 Test conducted by: Ken Yeager  
 Others present: Kane Robinson Stevenson

Well Name: <u>Sandwash 12-19-8-17</u>	Type: ER SWD	Status: AC TA UC <span style="float: right;">-10613</span>
Field: <u>monument butte</u>		
Location: <u>17</u> Sec: <u>19 T 8 N/S R 17E/W</u> County: <u>Douglas</u> State: <u>WY</u>		
Operator: <u>Ken Yeager (newfield exploration)</u>		
Last MIT: <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: Tubing 0 casing 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	0 psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1368 psig	psig	psig
5 minutes	1368 psig	psig	psig
10 minutes	1367 psig	psig	psig
15 minutes	1366 psig	psig	psig
20 minutes	1366 psig	psig	psig
25 minutes	1365 psig	psig	psig
30 minutes	1365 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

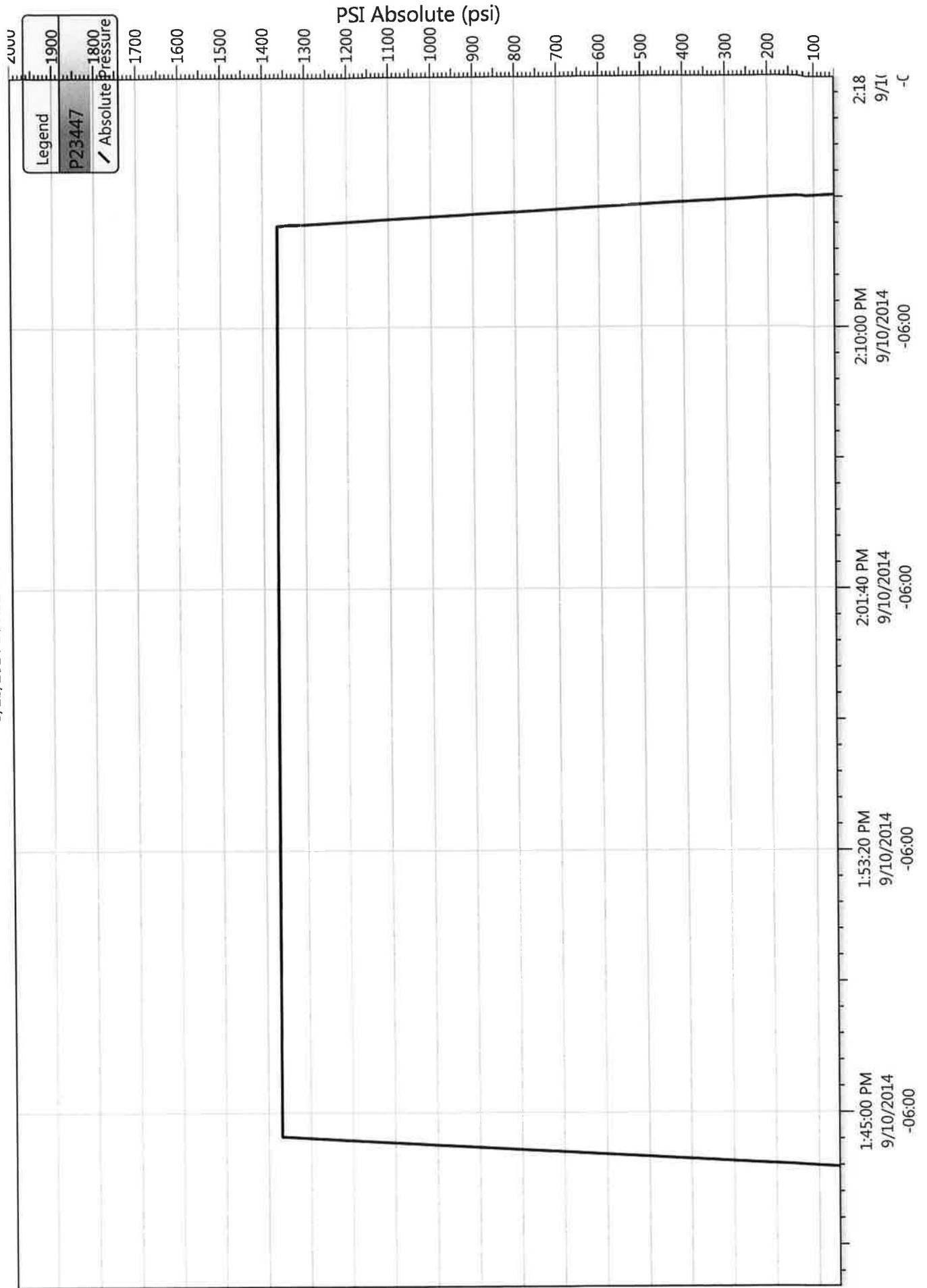
Does the annulus pressure build back up after the test ?     Yes     No

### 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: [Signature]

sandwash federal 12-19-8-17(new conversion) 9/10/2014  
9/10/2014 1:39:52 PM



**NEWFIELD**

**Schematic**

**Well Name: Sandwash 12-19-8-17**

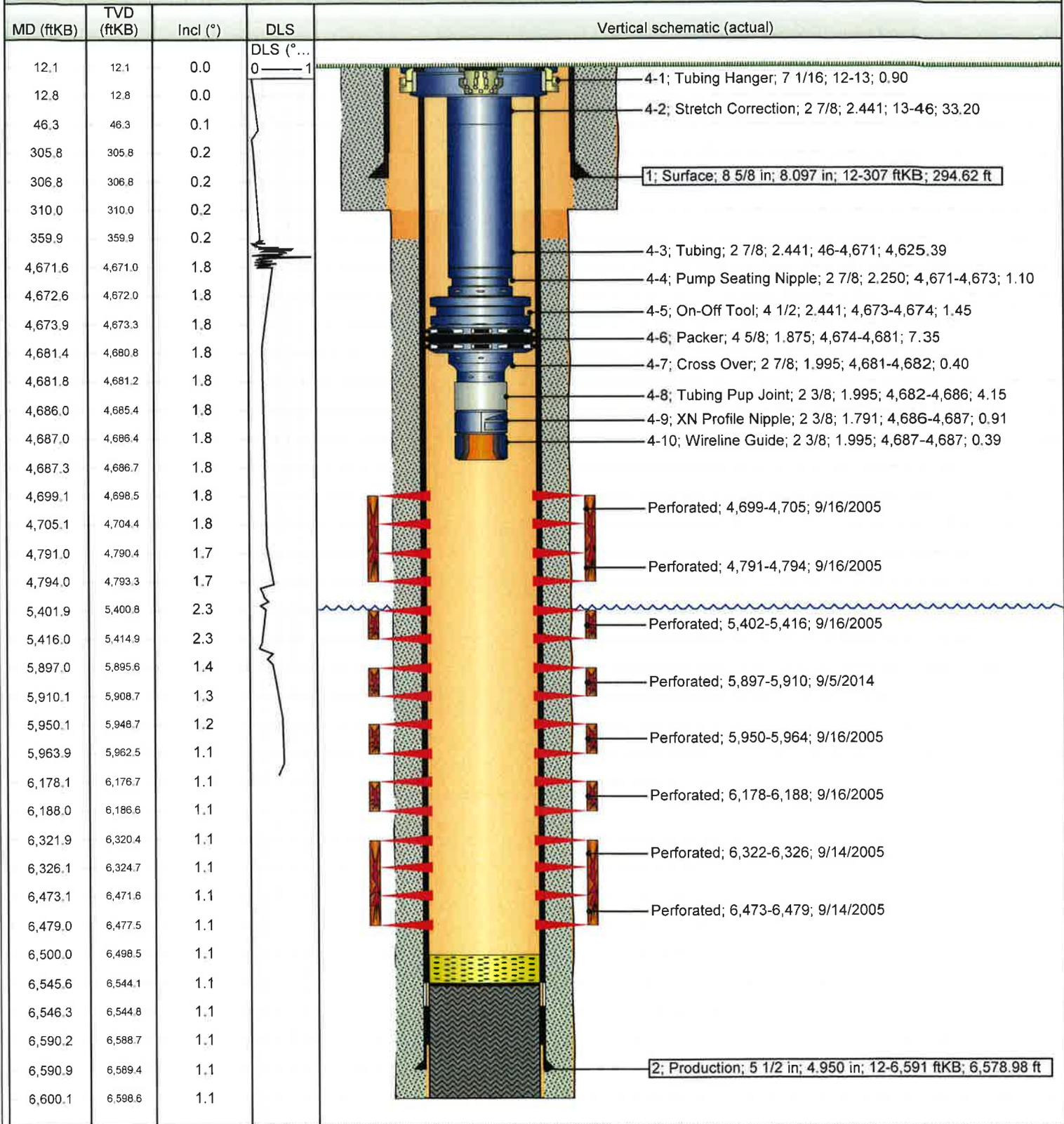
Surface Legal Location 19-8S-17E		API/UWI 43013323750000	Well RC 500151920	Lease	State/Province Utah	Field Name GMBU CTB7	County DUCHESNE
Spud Date	Rig Release Date 9/10/2014	On Production Date 9/21/2005	Original KB Elevation (ft) 5,385	Ground Elevation (ft) 5,373	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,545.5	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 9/3/2014	Job End Date 9/10/2014
---------------------------------------	--------------------------------	---------------------------	----------------------------	---------------------------

**TD: 6,600.0**

Vertical - Original Hole, 9/11/2014 9:47:08 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
Sandwash 12-19-8-17**

Surface Legal Location 19-8S-17E		API/UWI 43013323750000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Field Name GMBU CTB7		Well Start Date 8/3/2005		Spud Date 9/10/2014	
On Production Date 9/21/2005		Final Rig Release Date 9/10/2014		Original KB Elevation (ft) 5,385	
Ground Elevation (ft) 5,373		Total Depth (ftKB) 6,600.0		Total Depth All (TVD) (ftKB) 6,600.0	
PBTD (All) (ftKB) Original Hole - 6,545.5					

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/6/2005	8 5/8	8.097	24.00	J-55	307
Production	9/1/2005	5 1/2	4.950	15.50	K-55	6,591

**Cement****String: Surface, 307ftKB 8/9/2005**

Cementing Company BJ Services	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 310.0	Full Return?	Vol Cement Ret (bbl) 4.0
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

**String: Production, 6,591ftKB 9/1/2005**

Cementing Company BJ Services	Top Depth (ftKB) 360.0	Bottom Depth (ftKB) 6,600.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield	Fluid Type Lead	Amount (sacks) 450	Class Premium Plus	Estimated Top (ftKB) 360.0
Fluid Description 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD	Fluid Type Tail	Amount (sacks) 475	Class 50/50 POZ	Estimated Top (ftKB) 3,300.0

**Tubing Strings**

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		9/10/2014		4,687.2				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	7 1/16				0.90	12.0	12.9
Stretch Correction	1	2 7/8	2.441			33.20	12.9	46.1
Tubing	144	2 7/8	2.441	6.50	J-55	4,625.39	46.1	4,671.5
Pump Seating Nipple	1	2 7/8	2.250			1.10	4,671.5	4,672.6
On-Off Tool	1	4 1/2	2.441			1.45	4,672.6	4,674.0
Packer	1	4 5/8	1.875			7.35	4,674.0	4,681.4
Cross Over	1	2 7/8	1.995			0.40	4,681.4	4,681.8
Tubing Pup Joint	1	2 3/8	1.995	4.70	J-55	4.15	4,681.8	4,685.9
XN Profile Nipple	1	2 3/8	1.791			0.91	4,685.9	4,686.9
Wireline Guide	1	2 3/8	1.995			0.39	4,686.9	4,687.2

**Rod Strings**

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

**Other In Hole**

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	6,500	6,546	1/21/2008	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
5	GB4/GB6, Original Hole	4,699	4,705	4	90		9/16/2005
5	GB4/GB6, Original Hole	4,791	4,794	4	90		9/16/2005
4	C, Original Hole	5,402	5,416	4	90		9/16/2005
6	LODC, Original Hole	5,897	5,910	3	120		9/5/2014
3	LODC, Original Hole	5,950	5,964	4	90		9/16/2005
2	CP2, Original Hole	6,178	6,188	4	90	0.430	9/16/2005
1	CP4/BS, Original Hole	6,322	6,326	4	90		9/14/2005
1	CP4/BS, Original Hole	6,473	6,479	4	90		9/14/2005

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,630	0.84	22.8	2,488			
2	2,290	0.8	23.0	2,213			
3	2,650	0.88	23.0	2,233			

# NEWFIELD

## Newfield Wellbore Diagram Data Sandwash 12-19-8-17



Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
4	2,200	0.84	22.9	2,048			
5	2,200	0.9	23.1	1,809			
6	3,165	0.972	17.1	6,560			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 30584 lb
2		Proppant Bulk Sand 65477 lb
3		Proppant Bulk Sand 160294 lb
4		Proppant Bulk Sand 60843 lb
5		Proppant Bulk Sand 37443 lb
6		Proppant White Sand 25893 lb



# Job Detail Summary Report

Well Name: Sandwash 12-19-8-17

Jobs		Job Start Date	Job End Date
Primary Job Type	Conversion	9/3/2014	9/10/2014
<b>Daily Operations</b>			
Report Start Date	Report End Date	24hr Activity Summary	
9/3/2014	9/4/2014	MIRUWOR, fish rods.	
Start Time	End Time	Comment	
00:00	14:30	Shut Down for Night	
Start Time	End Time	Comment	
14:30	15:00	Safety Meeting	
Start Time	End Time	Comment	
15:00	16:30	Spot in and RU Rig & pump 50 bbls down csg. Bleed down well & RU rod equip.	
Start Time	End Time	Comment	
16:30	19:00	Attempt to unseat pump, Rods parted string weight is 2000#. TOOH w/rods, rod #65 Parted just above Pin, TIH w/1-13/16" overshoot on rod string to fish 7/8" box. catch fish & Unseat pump @10000# over string weight.	
Start Time	End Time	Comment	
19:00	19:45	TOOH w/2 rods & flush tbg w/40 bbls, TIH w/2 rods & fill hole w/5 bbls pressure test tbg to 3000psi good test.	
Start Time	End Time	Comment	
19:45	20:00	Clean & Secure Lease	
Start Time	End Time	Comment	
20:00	00:00	Shut Down for Night	
Report Start Date	Report End Date	24hr Activity Summary	
9/4/2014	9/5/2014	Pull pump and rods, RIH to tag fill, start pulling tbg; breaking and doping collars.	
Start Time	End Time	Comment	
00:00	06:30	Shut Down for Night	
Start Time	End Time	Comment	
06:30	07:00	Safety Meeting	
Start Time	End Time	Comment	
07:00	12:30	Bleed off well & LD rod string, total of 99 - 7/8" 4per, 66 - 3/4" slicks, 74 - 3/4" 4per, 6 - 1-1/2" WB, then a pump, flush 4 more times w/70 bbls @250f while POOH.	
Start Time	End Time	Comment	
12:30	14:30	XO to tbg equip & ND well head, Release TAC, Change 5000# studs to 3000# studs on new set of BOPs. NU BOPs RU floor & tongs.	
Start Time	End Time	Comment	
14:30	15:00	PU & TIH to PBTD w/6 jts tag fill @6510', PBTD @6545', 31' Below Bottom perf. 35' of fill.	
Start Time	End Time	Comment	
15:00	17:30	TOOH breaking everyother collar total of 73 collars, Cont TOOH total of 160 jts of tbg EOT @1148'.	
Start Time	End Time	Comment	
17:30	17:45	Clean & Secure Lease	
Start Time	End Time	Comment	
17:45	00:00	Shut Down for Night	
Report Start Date	Report End Date	24hr Activity Summary	
9/5/2014	9/6/2014	Finish pulling tbg breaking and doping every other collar, RBH w/ bit and scraper to CO to PBTD, POOH breaking and doping the rest of the collars. RIH w/ pkr and set at surface. Uninstall WH; clean and redope the threads on the WH and reinstall on the csg. MIRUWLT and RIH to Perf. POOH w/ WL and RDMOWLT. RIH w/ RBP, and pkr to right above perfs and SDFWE. EOT @ 4482'.	
Start Time	End Time	Comment	
00:00	06:30	Shut Down for Night	
Start Time	End Time	Comment	
06:30	07:00	Safety Meeting	
Start Time	End Time	Comment	
07:00	08:00	Flush tbg w/20 bbls, bleed off well Cont TOOH w/tbg total of 195 jts tbg, LD TAC, PSN, PBGA, 4' fill in cavity, last jt Krimped LD jt.	



# Job Detail Summary Report

Well Name: Sandwash 12-19-8-17

Start Time	08:00	End Time	11:30	Comment
Start Time	11:30	End Time	14:30	TIH Talleying w/BHA as follows Slaugh B&S, PSN, 194 jts tbg, PU & TIH w/10' sub & 9 jts tbg, tag fill @65'11', Try to break top w/tongs could not gain any hole. Cerc well clean LD 9 jts tbg & 10' sub & flush tbg w/35 bbls.
Start Time	14:30	End Time	15:30	TOOH Breaking & redoping everyother collar (oposite of last Trip) Total of 144 jts of tbg, LD extra tbg onto trailer.
Start Time	15:30	End Time	16:30	ND BOPs & loosen well head off clean threads, green dope & tighten back up. NU BOPs & TIH w/RBP 60' set & Pressure up well head to 3000psi good test bleed off pressure & release tool.
Start Time	16:30	End Time	20:30	RU Extreme WL to RIH & shoot new LODC perfs @ 5897' - 5910', RD WL crew
Start Time	20:30	End Time	20:45	Unload tbg, Talley & TIH w/BHA as follows RBP, RH, 4' pup, PKR, 140 jts of tbg. EOT @4482.07, 217' Above top perf, SDFN@8:30pm Ready to cont TIH to Isolate the LODC zone & Frac.
Start Time	20:45	End Time	00:00	Clean & Secure Lease
Report Start Date	9/5/2014	Report End Date	9/6/2014	Shut Down for Night
Start Time		End Time		Comment
Report Start Date	9/8/2014	Report End Date	9/9/2014	24hr Activity Summary Finish pulling tbg breaking and doping every other collar, RBlH w/ bit and scraper to CO to PBTD, POOH breaking and doping the rest of the collars. RIH to Perf. RIH w/ frac string.
Start Time	00:00	End Time	06:30	Comment
Start Time	06:30	End Time	07:00	Shut Down for Night
Start Time	07:00	End Time	08:30	Safety Meeting
Start Time	08:30	End Time	10:00	Comment
Start Time	10:00	End Time	10:30	PU & Cont TIH w/186 jts of tbg to LODC zone, set RBP @5930', TOOH w/total 54 jts set PKR @4659', fill w/19 bbls, test csg to 2000psi for 10 min good test.
Start Time	10:30	End Time	00:00	Comment
Report Start Date	9/9/2014	Report End Date	9/10/2014	24hr Activity Summary TIH w/total of 183 jts set PKR @5840', w/Frac Valve, RU Hot oiler & break down zone fill w/3 bbls, pump into zone @2000psi @1/2 bbl min w/2 bbls @2000psi, RD hot oiler & release PKR. Move everything for frac crew to come in.
Start Time	00:00	End Time	06:30	Comment
Start Time	06:30	End Time	07:00	Clean & Secure Lease
Start Time	07:00	End Time	08:00	Comment
Start Time	08:00	End Time	08:30	Shut Down for Night
Report Start Date	9/9/2014	Report End Date	9/10/2014	24hr Activity Summary MIRU frac equip, frac stage and RDMO. FB well, release pkr and circ ctn. RIH to retrieve RBP and POOH laying dwn the frac string. PU injection pkr and RBlH to 2590'.
Start Time	00:00	End Time	06:30	Comment
Start Time	06:30	End Time	07:00	Shut Down for Night
Start Time	07:00	End Time	08:00	Safety Meeting
Start Time	08:00	End Time	08:30	Comment
Start Time	08:30	End Time	08:30	MIRU Nabors frac equipment.
Start Time		End Time		Comment
Start Time		End Time		Nabors blender broke down. Waited for the mechanics to fix vlvs.



# Job Detail Summary Report

Well Name: Sandwash 12-19-8-17

Start Time	08:30	End Time	09:15	Comment (Sig #1 17# Frac) (LODC) Press test lines to 7200 psi, Open well w/ 250 psi, Break down formation @ 5280 psi @ 8.9 BPM, Bullheaded 11.9 bbls 15% HCL, no shut down for ISDP, Frac well w/ 535.7 bbls 17# gel fld, Pumped 47560# 20/40 white sand in formation, ISIP 3165 psi, F.G. 972, 5 min.:2358, 10 min.: 2175, 15 min.: 2095. Tot pumped 616.7, TFTR 650.7
Start Time	09:15	End Time	10:15	Comment Waited for breakers to activate and then open well on #28 choke. Well flowed back 10 bbls and then died. total flow back: 10 bbls. 640.7 TFTR. PU release PKR circ well clean.
Start Time	10:15	End Time	11:45	Comment TIH w/3 jts cerc down to RBP & latch on. Cerc well clean of sand. Release RBP.
Start Time	11:45	End Time	15:15	Comment TOOH LD work string total of 186 jts. Flushing as needed to keep string clean. LD Tools
Start Time	15:15	End Time	17:45	Comment Load tbg onto Truck & Trailer, TIH w/BHA as follows, WL RE collar, XN-nipple, 4' pup, XO, PKR, On/Off tool, PSN, 80 jts tbg & flush tbg w/30 bbls hot. EOT @ 2590'.
Start Time	17:45	End Time	18:00	Comment Clean & Secure Lease
Start Time	18:00	End Time	00:00	Comment Shut Down for Night
Report Start Date	9/10/2014	Report End Date	9/11/2014	24hr Activity Summary Finish RIH, circ pkr fluid, set pkr and test. RU WH and get MIT. RDMOWOR and pump package. Conduct MIT
Start Time	00:00	End Time	06:30	Comment Shut Down for Night
Start Time	06:30	End Time	07:00	Comment Safety Meeting
Start Time	07:00	End Time	08:30	Comment Bleed off well, Cont TIH w/total of 144 jts tbg & flush tbg w/30 bbls Drop SV & pressure test tbg to 3000psi for 30 min solid test. Pumped down SV w/30 bbls no pressure, RU sandLine
Start Time	08:30	End Time	10:00	Comment RIH w/sandline to push SV down to PSN, POOH w/sandline & pressure up tbg to 3000psi & test for 30 min solid. Good test TIH & fish SV @4637', POOH w/sandline & LD WB.
Start Time	10:00	End Time	11:30	Comment RD floor & tbg equip, ND BOPs & NU B1 adapter (PKR Unset), Pump 50 bbls johnson fresh w/PKR fluid, Unland well head & set PKR w/15000# Tension, PSN @4637', PKR CE @4643', XN-nipple @4651', EOT @4653', CE is 56' above top Perf.
Start Time	11:30	End Time	14:00	Comment NU Injection Tree & Pressure up csg to 1400psi for 30 min solid test, good test.
Start Time	14:00	End Time	15:00	Comment Test w/MIT PASSED, RD rig ready to move location Initial MIT on the above listed well. On 09/10/2014 the casing was pressured up to 1365 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10613
Start Time	15:00	End Time	15:15	Comment Clean & Secure Lease

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-50376
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> SAND WASH FED 12-19-8-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013323750000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FSL 0633 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 19 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/26/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 2:15 PM on  
09/26/2014. EPA # UT22197-10613

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 30, 2014**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/29/2014	