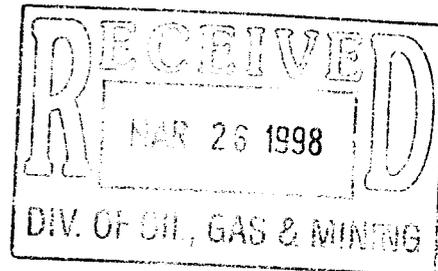




RESOURCES INC.

March 23, 1998

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



**ATTENTION: Ed Forsman  
Wayne Bankert**

**RE: Tar Sands Federal Sec. 28 & 29, T8S, R17E  
Tar Sands Federal 7-28, 8-28, 9-28, 10-28, 14-28  
Tar Sands Federal 2-29, 3-29, 4-29, 5-29, 6-29, 14-29, 15-29**

Gentlemen:

Enclosed are the originals and two copies (each) of the Application For Permit To Drill, for the above referenced locations. Attached to each of the original hard copies, is a copy of the Cultural Resource Block Survey for Sections 28 and 29; the hard copy originals have been previously mailed to Blaine Phillips, for his review.

Please contact me in the Vernal Branch office (801) 789-1866, if you have any questions, or need additional information.

Sincerely,

Cheryl Cameron  
Regulatory Compliance Specialist

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

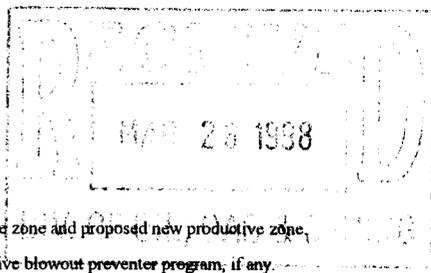
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Form fields including: 1a. TYPE OF WORK (DRILL, DEEPEN), 1b. TYPE OF WELL (OIL, GAS, OTHER), 2. NAME OF OPERATOR (Inland Production Company), 3. ADDRESS OF OPERATOR (P.O. Box 790233 Vernal, UT 84079), 4. LOCATION OF WELL (NW/NW, 660' FNL & 660' FWL), 5. LEASE DESIGNATION AND SERIAL NO. (U-76956), 8. FARM OR LEASE NAME (Tar Sands Federal), 10. FIELD AND POOL OR WILDCAT (Monument Butte), 12. County (Duchesne), 13. STATE (UT), 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* (7.8 Miles southeast of Myton, UT), 15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (660'), 16. NO. OF ACRES IN LEASE (790.94), 17. NO. OF ACRES ASSIGNED TO THIS WELL (40), 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. (6500'), 19. PROPOSED DEPTH (6500'), 20. ROTARY OR CABLE TOOLS (Rotary), 21. ELEVATIONS (5283.8' GR), 22. APPROX. DATE WORK WILL START\* (3rd Quarter 1998)

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

Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "E".

The Conditions of Approval are attached.



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

24. SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 2/26/98

(This space for Federal or State office use)

PERMIT NO. 43-013-32062 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: Federal Approval of this Action is Necessary

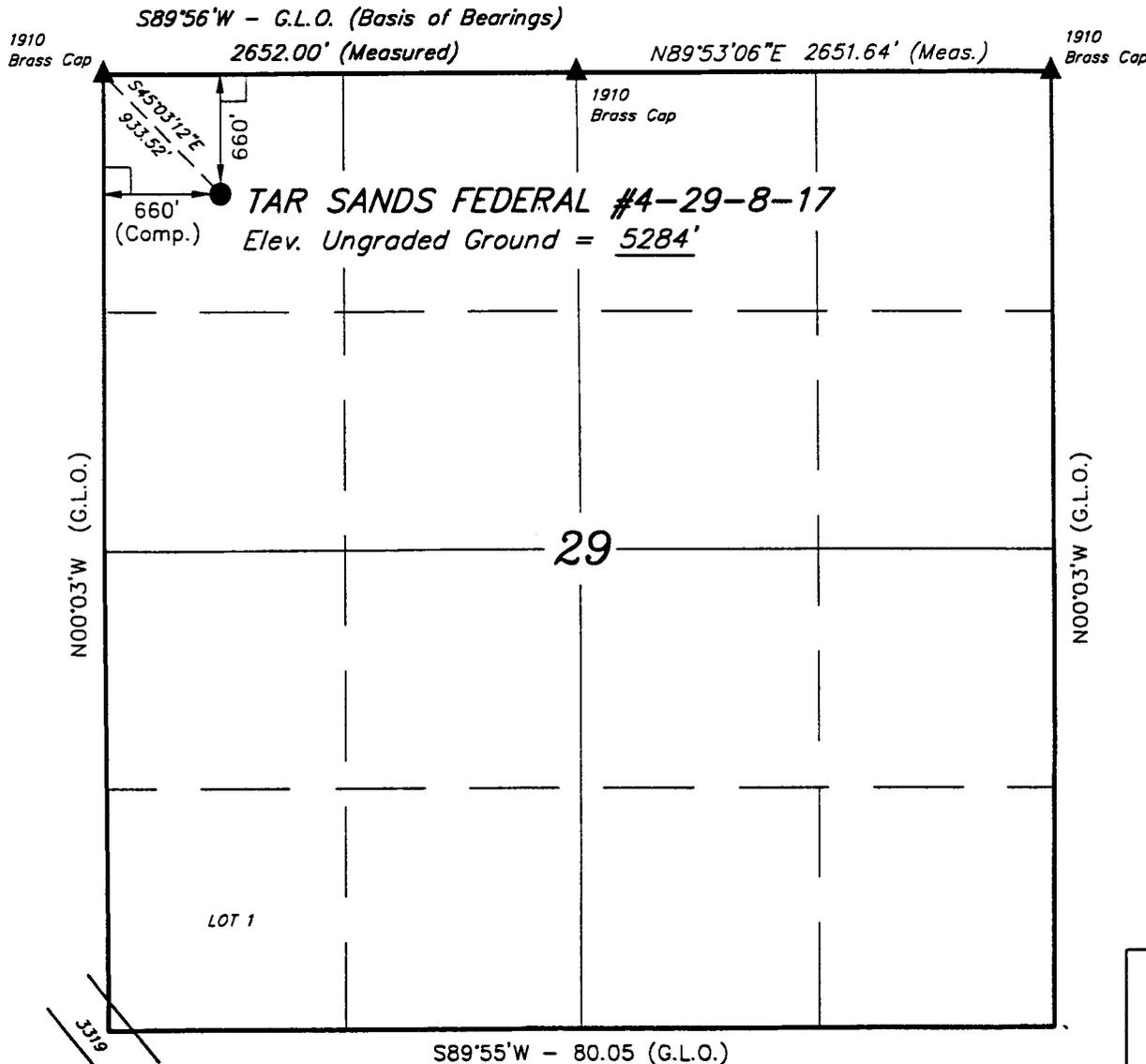
APPROVED BY Bradley G. Hill TITLE RECLAMATION SPECIALIST U, ATB DATE 4/20/98

\*See Instructions On Reverse Side

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

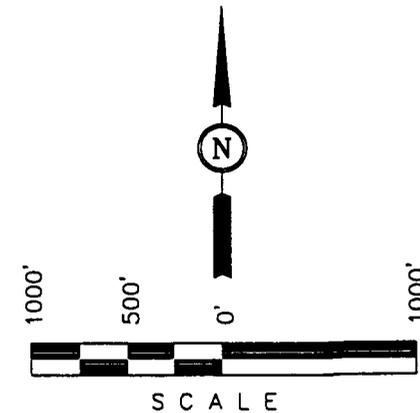
## INLAND PRODUCTION CO.

Well location, TAR SANDS FEDERAL #4-29-8-17, located as shown in the NW 1/4 NW 1/4 of Section 29, T8S, R17E, S.L.B.&M. Duchesne County, Utah.



### BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 29, T8S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5294 FEET.



### CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161519  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

### LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 11-17-97	DATE DRAWN: 2-10-98
PARTY J.F. J.W. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
TAR SANDS FEDERAL #4-29-8-17  
NW/NW SECTION 29, 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' – 1815'
Green River	1815'
Wasatch	6500'

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

Green River Formation 1815' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

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

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
TAR SANDS FEDERAL #4-29-8-17  
NW/NW SECTION 29, 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 Tar Sands Federal #4-29-8-17 located in the NW 1/4 NW 1/4 Section 29, T8S, R17E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along this road 6.3 miles  $\pm$  to its junction with a dirt road to the southeast; continue southeasterly 1.3 miles to its junction with a dirt road to the east; proceed easterly 0.6 to the beginning of the proposed access road.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "D".

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

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

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

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

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

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

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

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

12. **OTHER ADDITIONAL INFORMATION** *Archaeological Survey & Pipeline ROW*

The Archaeological Cultural Resource Survey Report is attached.

Inland Production Company requests that a pipeline ROW be granted to the Tar Sands Federal #4-29-8-17 for a 3" poly fuel gas line, and a 4" poly gas gatherline line. Both lines will be run on surface, adjacent to the existing road-way; the route will follow existing roads where possible. Inland requests that a 30' width for the ROW and an additional 30' width for working surface as necessary. Refer to Topographic Map "C".

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

**Representative**

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, Utah 84079  
Telephone: (435) 789-1866

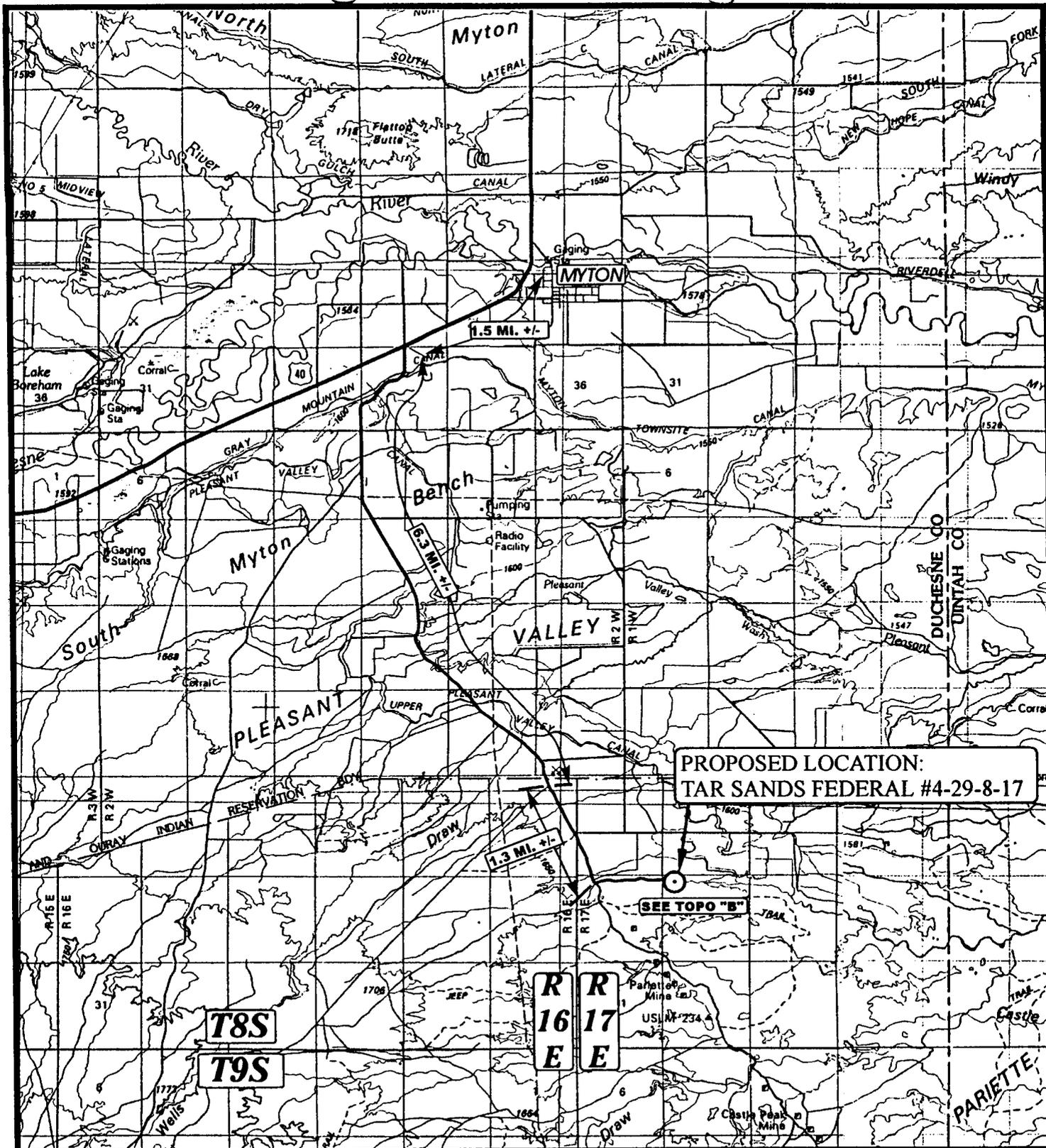
**Certification**

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #4-29-8-17 NW/NW Section 29, Township 8S, Range 17E: Lease U-76956 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.

2/26/98  
Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



**LEGEND:**

⊙ PROPOSED LOCATION



**INLAND PRODUCTION CO.**

TAR SANDS FEDERAL #4-29-8-17  
SECTION 29, T8S, R17E, S.L.B.&M.  
660' FNL 660' FWL



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

**TOPOGRAPHIC  
MAP**

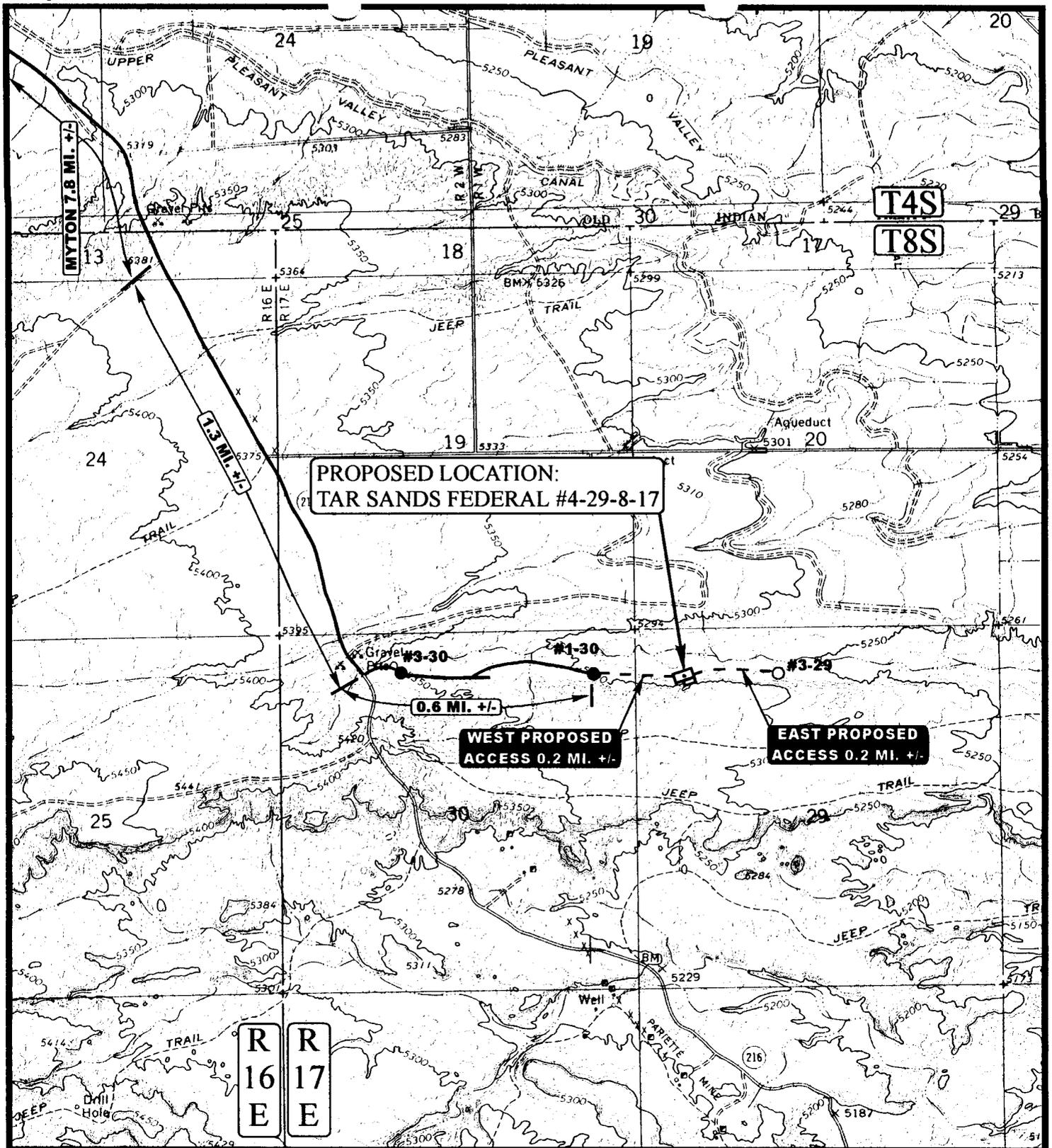
**2 9 98**  
MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.G.

REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**INLAND PRODUCTION CO.**

**TAR SANDS FEDERAL #4-29-8-17**  
**SECTION 29, T8S, R17E, S.L.B.&M.**  
**660' FNL 660' FWL**



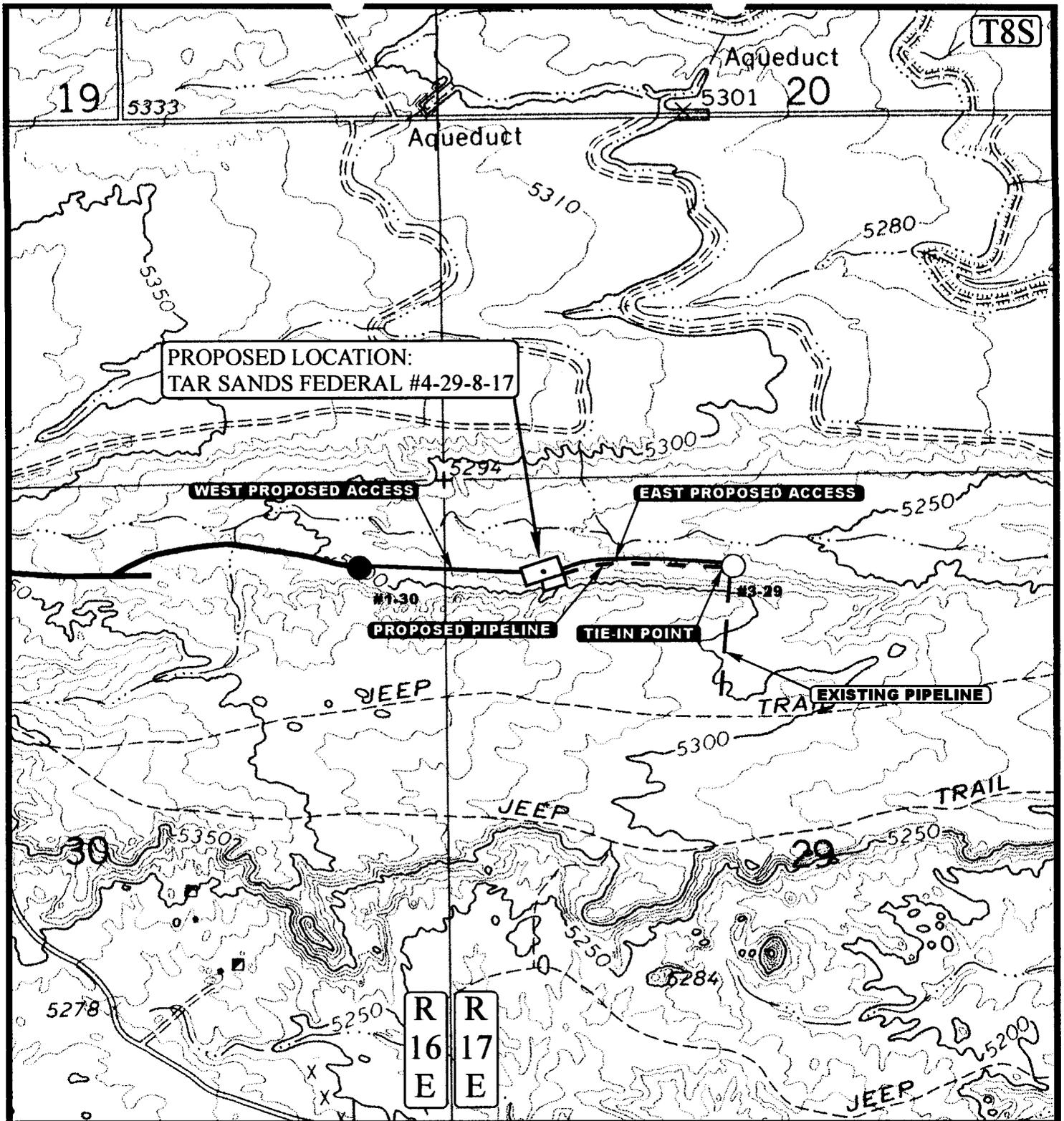
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

<b>2</b>	<b>9</b>	<b>98</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1050' +/-

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS



**INLAND PRODUCTION CO.**

**TAR SANDS FEDERAL #4-29-8-17**  
**SECTION 29, T8S, R17E, S.L.B.&M.**  
**660' FNL 660' FWL**

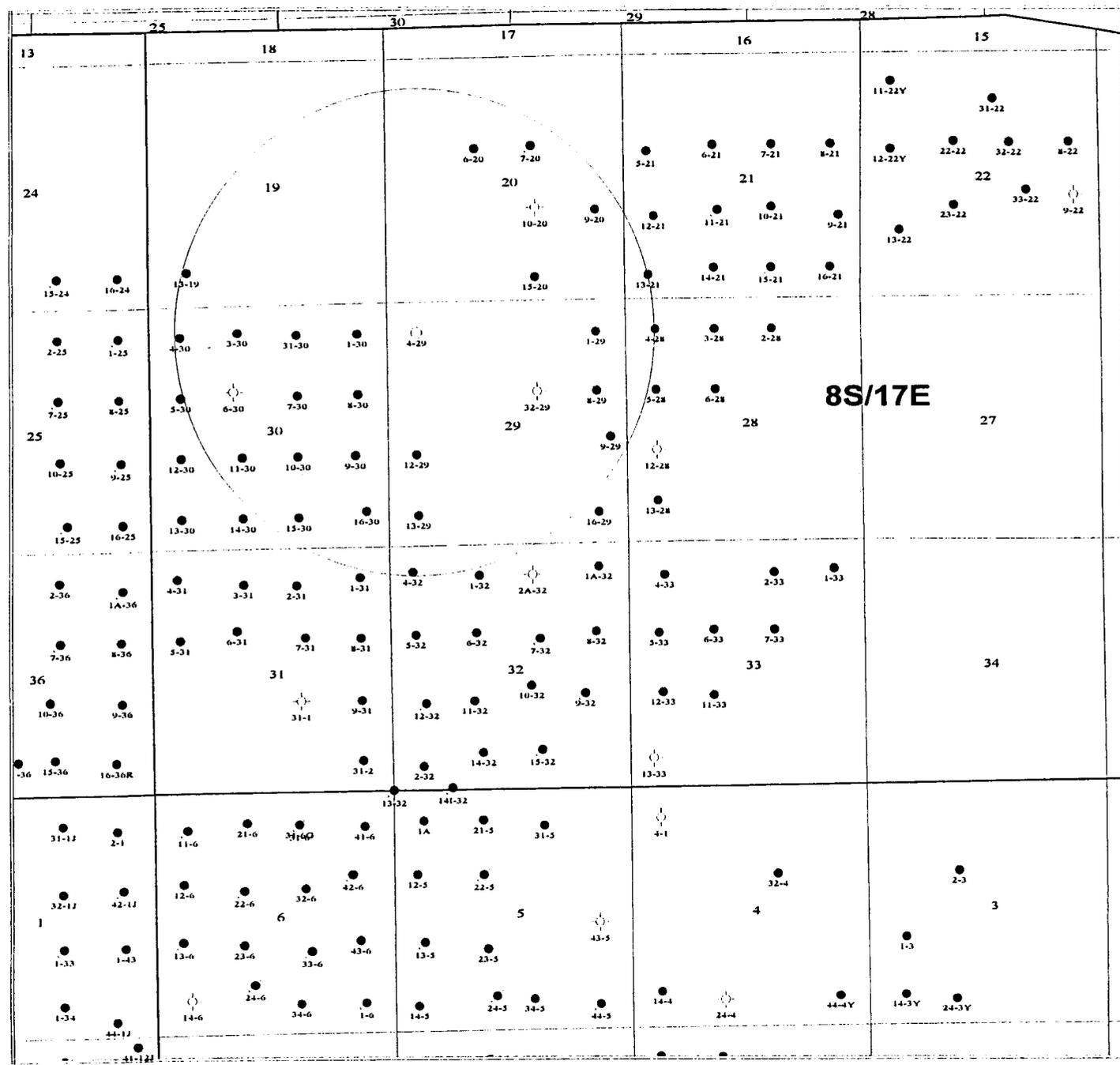


**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

<b>TOPOGRAPHIC</b>	<b>2</b>	<b>9</b>	<b>98</b>
<b>MAP</b>	MONTH	DAY	YEAR
SCALE: 1" = 1000'	DRAWN BY: C.G.		REVISED: 00-00-00







8S/17E

EXHIBIT "D"

INLAND PRODUCTION COMPANY

ONE MILE RADIUS  
Tar Sands Federal #4-29

John Anderson

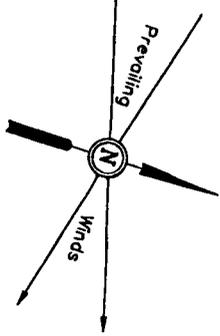
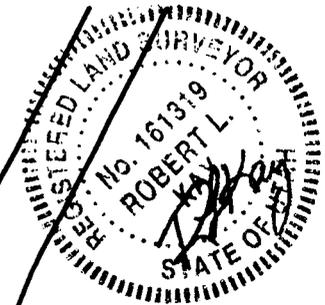
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2/11/99

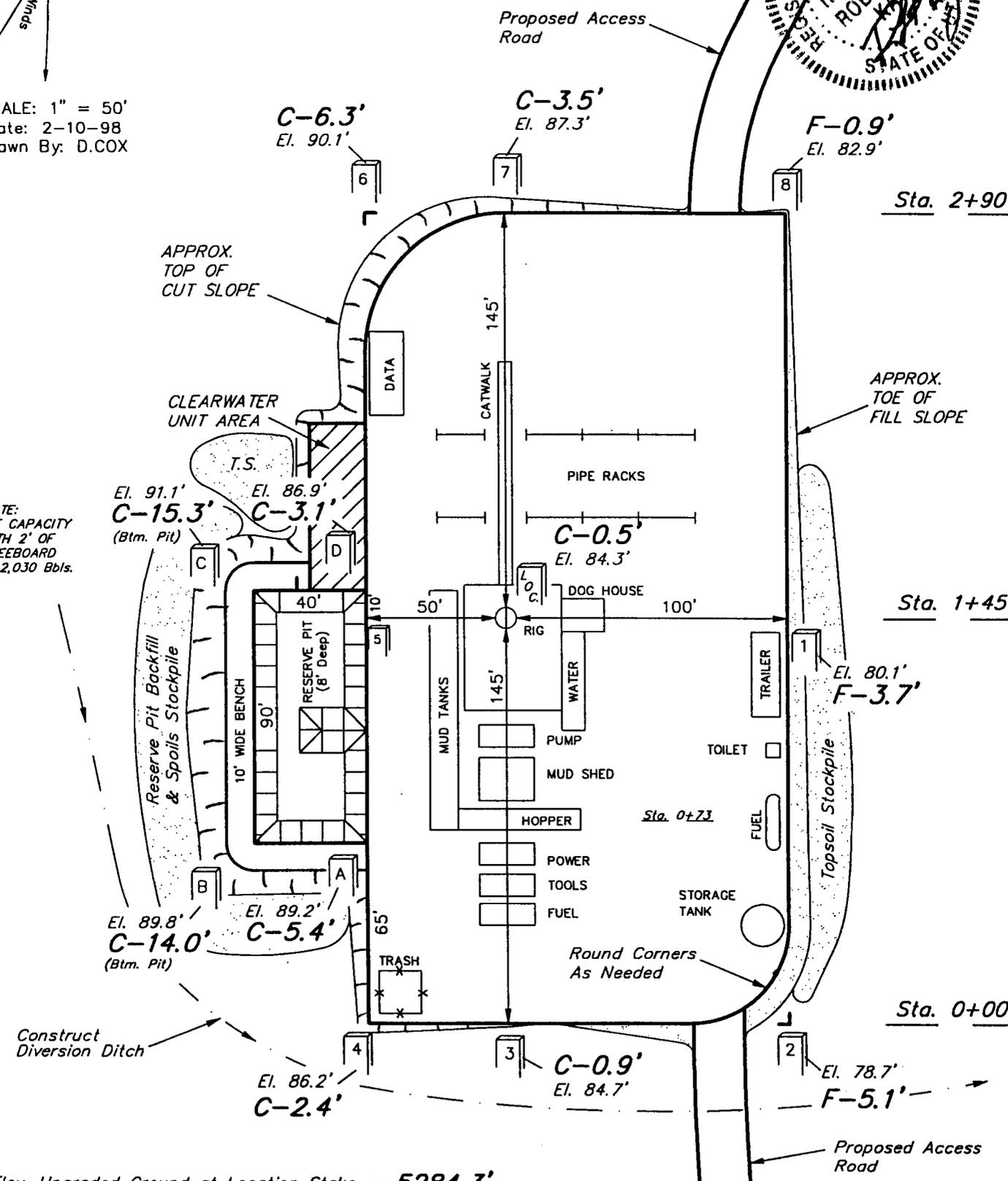
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

TAR SANDS FEDERAL #4-29-8-17  
SECTION 29, T8S, R17E, S.L.B.&M.  
660' FNL 660' FWL



SCALE: 1" = 50'  
Date: 2-10-98  
Drawn By: D.COX



NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 2,030 Bbls.

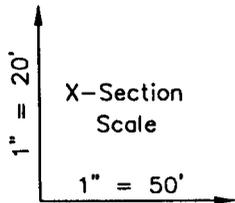
Elev. Ungraded Ground at Location Stake = 5284.3'  
Elev. Graded Ground at Location Stake = 5283.8'

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

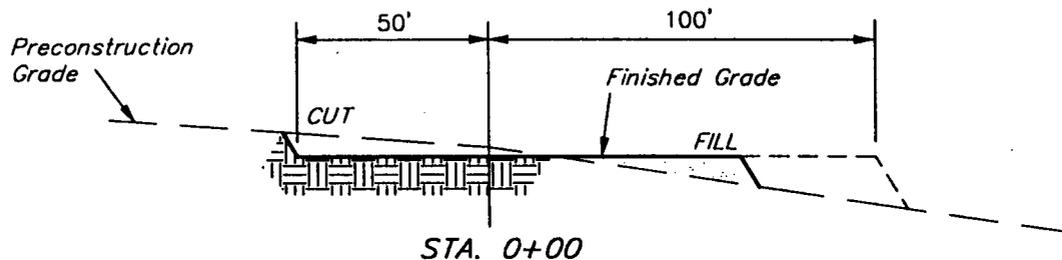
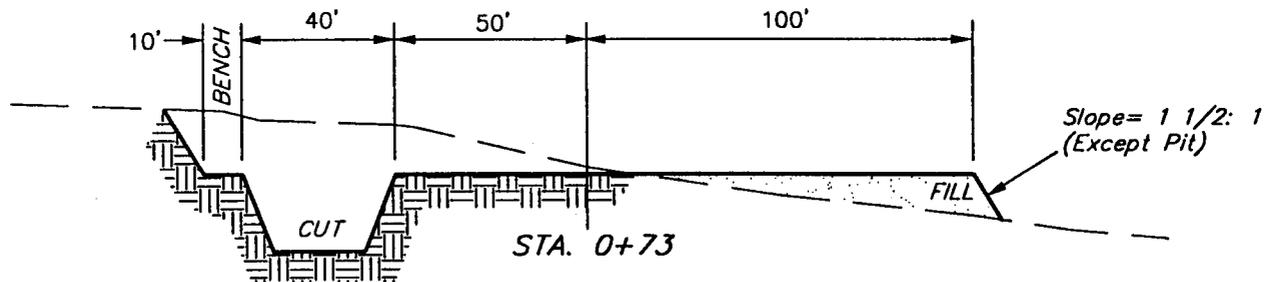
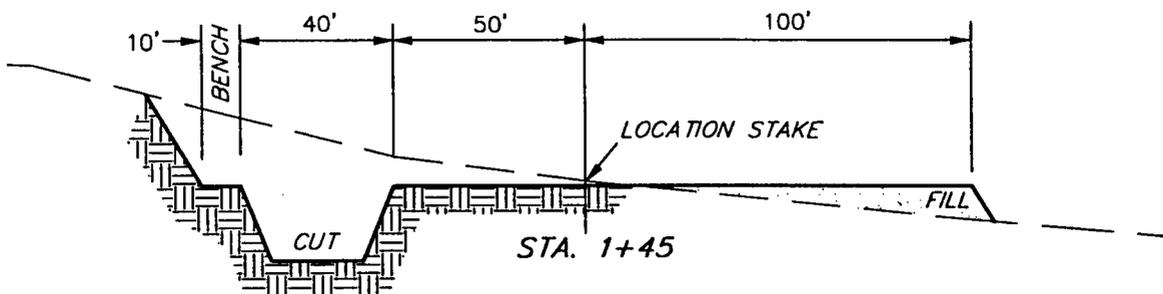
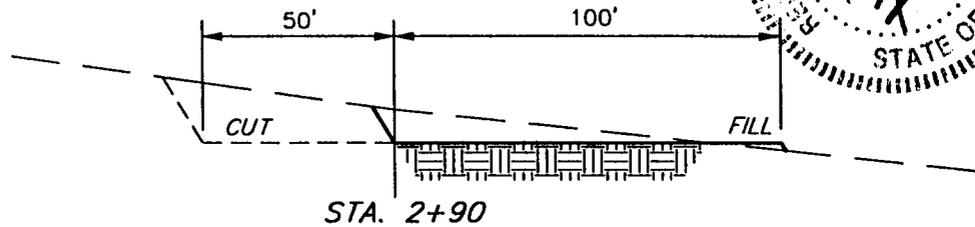
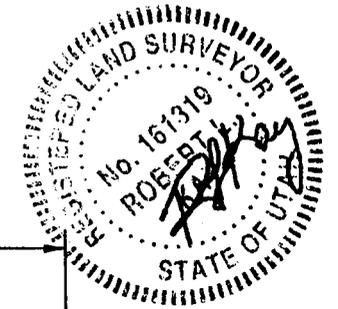
INLAND PRODUCTION CO.

TYPICAL CROSS SECTIONS FOR

TAR SANDS FEDERAL #4-29-8-17  
SECTION 29, T8S, R17E, S.L.B.&M.  
660' FNL 660' FWL



Date: 2-10-98  
Drawn By: D.COX



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 870 Cu. Yds.

Remaining Location = 3,650 Cu. Yds.

TOTAL CUT = 4,520 CU.YDS.

FILL = 1,970 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION

= 2,450 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.)

= 1,200 Cu. Yds.

EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed

= 1,250 Cu. Yds.

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

Well No.: Tar Sands 4-29-8-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands 4-29-8-17

API Number:

Lease Number: ~~UTU-76241~~

Location: NWNW Sec. 29, T8S, R17E

**GENERAL**

Access pad from E, off of the 3-29 well location.

**CULTURAL RESOURCES**

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

**PALEONTOLOGICAL RESOURCES**

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

**SOILS, WATERSHEDS, AND FLOODPLAINS**

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

**WILDLIFE AND FISHERIES**

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

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

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

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

**FERRUGINOUS HAWK:** In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

**OTHER**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/26/98

API NO. ASSIGNED: 43-013-32062

WELL NAME: TAR SANDS FED 4-29-8-17  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
 CONTACT: Cheryl Cameron (435) 789-1866

PROPOSED LOCATION:  
 NWNW 29 - T08S - R17E  
 SURFACE: 0660-FNL-0660-FWL  
 BOTTOM: 0660-FNL-0660-FWL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: U-76956  
 SURFACE OWNER: BLM

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

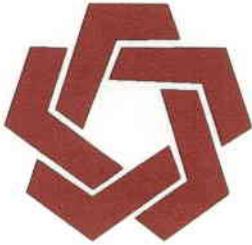
- Plat
- Bond: Federal  State  Fee   
 (No. # 4488944)
- Potash (Y/N)
- Oil Shale (Y/N) \*190-5(B)
- Water Permit  
 (No. Johnson Water District)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)
- St/Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit Greater Boundary
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \* Standard Operating Practices (SOP) separate file.  
\* Unit approved 4-8-98, Cause No. 225-2.

STIPULATIONS: ① FEDERAL APPROVAL



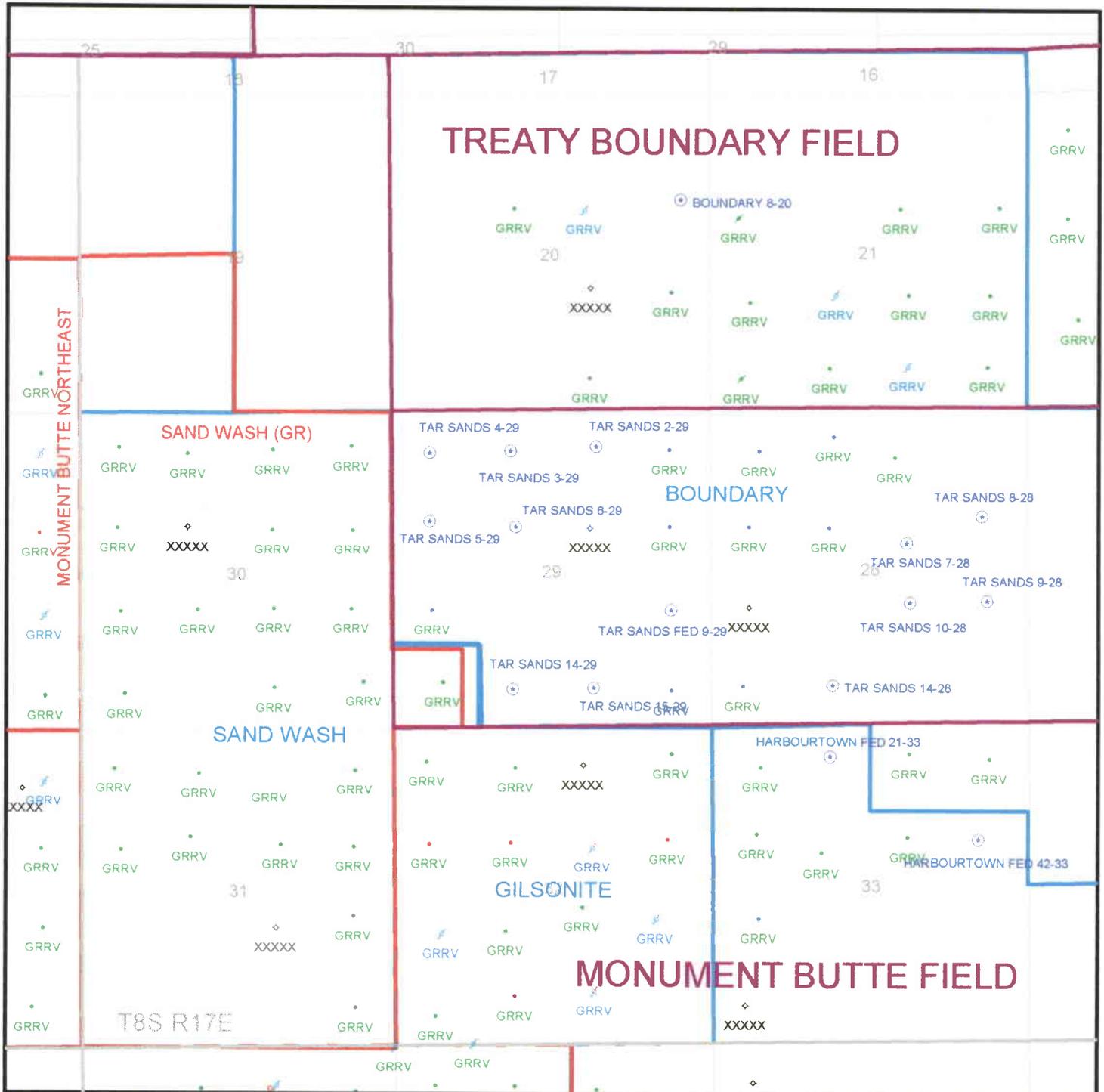
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: UNDESIGNATED (002)

SEC. 28 & 29, TWP. 8S, RNG. 17E,

COUNTY: DUCHESNE UAC: R649-2-3 BOUNDARY SECONDARY <sup>N/A</sup>



DATE PREPARED:  
30-MAR-1998



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 20, 1998

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

Re: Tar Sands Federal 4-29-8-17 Well, 0660' FNL, 0660' FWL, NW  
NW, Sec. 29, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32062.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza". The signature is written in a cursive style with a large initial 'J'.

John R. Baza  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number: Tar Sands Federal 4-29-8-17  
API Number: 43-013-32062  
Lease: U-76956  
Location: NW NW Sec. 28 T. 08 S. R. 17 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or John R. Baza at (801)538-5334.

3. Reporting Requirements

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

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]
2. NAME OF OPERATOR Inland Production Company
3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface NW/NW At proposed Prod. Zone 660' FNL & 660' FWL

5. LEASE DESIGNATION AND SERIAL NO. U-76956
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Tar Sands Federal
9. WELL NO. #4-29-8-17
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T8S, R17E
12. County Duchesne 13. STATE UT

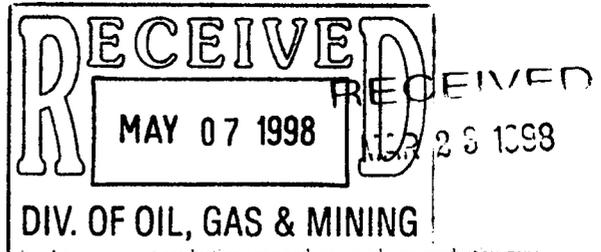
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 7.8 Miles southeast of Myton, UT
15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'
16. NO. OF ACRES IN LEASE 790.94
17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 6500'
19. PROPOSED DEPTH 6500'
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5283.8' GR
22. APPROX. DATE WORK WILL START\* 3rd Quarter 1998

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Row 1: Refer to Monument Butte Field SOP's Drilling Program/Casing Design

Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "E".

The Conditions of Approval are attached.



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

24. SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 2/26/98

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources DATE 5/4/98

CONDITIONS OF APPROVAL ATTACHED

\*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.

DOGMA

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Fed. 4-29-8-17

API Number: 43-013-32062

Lease Number: U-76956

Location: NWNW Sec. 029 T. 09S R. 17E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

**Location Reclamation**

The following seed mixture will be used on the stock piled topsoil, reclamation of the reserve pit and for final reclamation: (All poundages are in Pure Live Seed)

nuttalls saltbush	Atriplex nuttallii v. cuneata	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
fourwing saltbush	Atriplex canescens	4 lbs/acre
western wheatgrass	Agropyron smithii	2 lbs/acre

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

The reserve pit shall have a small amount of topsoil stock piled near by as shown on the cut sheet to be used to spread over the reserve pit area at the time the reserve pit is reclaimed.

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. If the previously reclaimed surface of the reserve pit needs additional contouring, the topsoil over the pit will be scraped off and then used as additional topsoil for final reclamation.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: TAR SANDS FEDERAL 4-29-8-17

Api No. 43-013-32062

Section 29 Township 8S Range 17E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED:

Date 6/15/98

Time

How DRY HOLE

Drilling will commence

Reported by MIKE WARD

Telephone #

Date: 6/16/98 Signed: JLT

J

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-76956**

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

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

8. Well Name and No.  
**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.  
**43-013-32062**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

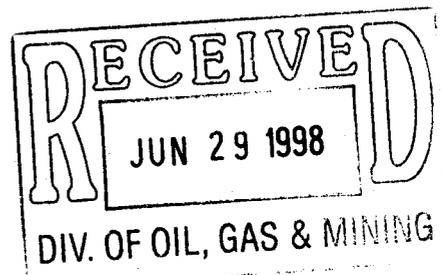
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

MIRU ZCM. Drl 12-1/4" sfc hole to 80'. SDFN. **SPUD WELL @ 3:00 PM, 6/8/98**. Hit wtr flow @ 80' - will take sample 6/9/98. Drl 80' - 320'. C&C. LD 2 jts DP. LD DP & hammer. Run 8-5/8" GS, 7 jt 8-5/8" 24# J-55 ST&C csg (302.65'). Csg set @ 303.15'. RU BJ. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/130 sx Class G w/2% CaCl2, 2% gel, 1/4#/sk CelloFlake (14.8 ppg, 1.35 cf/sk yield). Had mostly good returns until ready to drop plug, then cmt dropped out of sight. Pmp 25 sx Class G, 2% CaCl2 (15.6 ppg, 1.18 cf/sx yield). Cmt level fell. (Had 4 bbl cmt returns.) WOC. Pmp 2 - 15 sx Class G w/2% CaCl2 (15.6 ppg, 1.18 cf/sk yield) batches. Got cmt to sfc but level fell. RD BJ. SDFN. (Will let cmt set and Redi-Mix annulus tomorrow). RU Tri-County Concrete. Pump 30 sks Class G cmt dn annulus, bring cmt to sfc.



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

Signed Shannon Smith Title Engineering Secretary Date 6/25/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-76956**

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

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

8. Well Name and No.  
**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.  
**43-013-32062**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

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

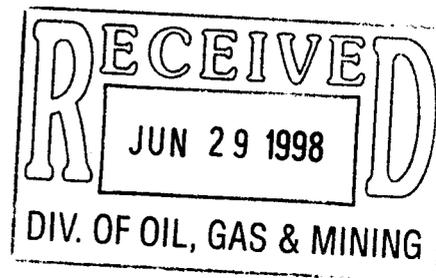
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input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

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 6/11/98 - 6/17/98**

MIRU. NU BOP's. Test BOP's. PU BHA. Drl plug, cmt & GS. Spud rotary rig @ 7:15 pm, 6/14/98. Drl & srvy 320' - 4340'.



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Smith Title Engineering Secretary Date 6/25/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-76956**

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

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

8. Well Name and No.  
**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.  
**43-013-32062**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

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

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

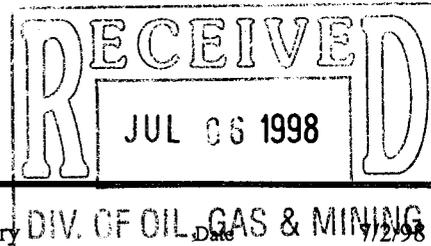
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

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

Drilled 7-7/8" hole w/Big A #46 from 4340' - 6250'.

Run 5-1/2" GS, 1 jt 5-1/2" csg (42'), 5-1/2" FC, 146 jts 5-1/2", 15.5#, J-55, LT & C csg (6224'). Csg set @ 6235'. RD. RU BJ. C&C. Pmp 20 bbl mud flush & 20 bbl gel. Cmt w/340 sx Poz Lite w/.5% SM, 10% gel, 3#/sk CSE, 2#/sk Kol Seal, 1/4#/sk Cello Flake (11.0 ppg 3.0 cf/sk yield) & 400 sx Class G + 10% A-10 + 10% salt (14.4 ppg 1.63 cf/sk yield). Had good returns until 12 bbl from bumping plug, then lost all returns. POB 1:30 am, 6/20/98. No mud flush to sfc. Lift 1500 psi. RD BJ. ND BOP's. Set slips w/85,000#, dump & clean pits, RD. Rig released @ 5:30 am, 6/20/98. RDMOL.



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

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

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

RECEIVED

JUL 14 1998

OPERATOR Inland Production Company  
ADDRESS 410 17th St, Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

1/2

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	12414	99999	43-013-32047	S. Wells Draw 7-10-9-16	SW/NE	10	09S	16E	Duchesne	5/12/98	
WELL 1 COMMENTS: Spud well w/ ZCM Drilling @ 4:45 pm, 5/12/98. Entity added 7-14-98. Lec											
A	12415	99999	43-013-34447	S. Wells Draw 2-10-9-16	NW/NE	10	09S	16E	Duchesne	5/16/98	
WELL 2 COMMENTS: Spud well w/ ZCM Drilling @ 2:30 pm, 5/16/98. Entity added 7-14-98. Lec											
B	11880	99999	43-013-31579	Beluga 15-7-9-17	SW/SE	7	09S	17E	Duchesne	5/18/98	
WELL 3 COMMENTS: Spud well w/ Union, Rig #7 @ 12:00 pm, 5/18/98. Beluga Unit Entity added 7-14-98. Lec											
B	11880	99999	43-013-32048	Beluga 10-7-9-17	NW/SE	7	09S	17E	Duchesne	5/25/98	
WELL 4 COMMENTS: Spud well w/ Union, Rig #7 @ 11:00 am, 5/25/98. Beluga Unit Entity added 7-14-98. Lec											
A	12416	99999	43-013-32043	S. Wells Draw 9-9-9-16	NW/SE	9	09S	16E	Duchesne	5/20/98	
WELL 5 COMMENTS: Spud well w/ ZCM Drilling @ 7:30 am, 5/20/98. Entity added 7-14-98. Lec											

INLAND RESOURCES

JUN 25 1998 10:27AM

- 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.

Shannon Smith  
Signature

Engineering Secretary --- 04/02/98  
Title Date

Phone No. (303) 382-4441

JUL-14-98 TUE 09:18 AM INLAND RESOURCES INC FAX NO. 435/229149 P. 02/03

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 2/2

RECEIVED  
JUL 14 1998

OPERATOR Inland Production Company  
ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11880	99999	43-013-32049	Beluga 14-7-9-17	SE/SW	7	09S	17E	Duchesne	6/1/98	
LL1 COMMENTS: Spud well w/ Union # 7 @ 1:00 pm, 6/1/98. Beluga Unit Entity added 7-14-98. Lec											
A	12412	99999	43-047-33077	ODELIRK SPRING 2-36-8-17	NEW NE	3L	08S	17E	Uintain	6/8/98	
WELL 2 COMMENTS: Spud well w/ Union # 7 @ 1:30 pm, 6/8/98. Entity added 7-14-98. Lec											
A	12413	99999	43-013-32041	S WELLS DRAW 6-10-9-16	SE/NW	10	09S	16E	Duchesne	6/5/98	
WELL 3 COMMENTS: Spud well @ 3:00 pm, 6/5/98 w/ ZCM Drilling. Entity added 7-14-98. Lec											
B	12391	99999	43-013-32062	TAR SANDS FED. 4-29-8-17	NEW NW	29	08S	17E	Duchesne	6/8/98	
LL 4 COMMENTS: Spud well w/ ZCM Drilling @ 3:00 pm, 6/8/98. Greater Boundary (GR) Unit Entity added 7-14-98. Lec											
B	12391	99999	43-013-32064	TAR SANDS FED 2-29-8-17	NEW NE	29	08S	17E	Duchesne	6/11/98	
LL 5 COMMENTS: Spud well w/ ZCM Drilling @ 10:00 am, 6/11/98. Greater Boundary (GR) Unit Entity added 7-14-98. Lec											

NON CODES (See instructions on back of form)

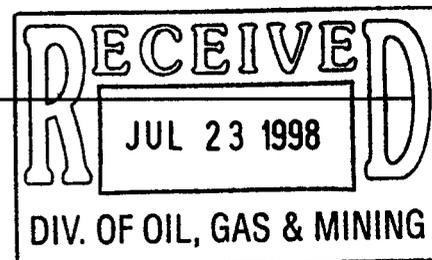
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

Shannon Smith  
 Signature  
 Engineering Secretary      04/02/98  
 Title      Date

JUN. 25. 1998 10:27AM  
 INLAND RESOURCES

JUL-14-98 10:09:18 AM INLAND RESOURCES INC FAX NO. 435/229149 P. 03/03



July 20, 1998

Mr. Mike Hebertson  
State of Utah  
Division of Oil, Gas & Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Report of Water Encountered During Drilling  
Tar Sands Federal #4-29-8-17  
API #43-013-32062  
NWNW Section 29-T8S-R17E  
Duchesne County, Utah

Dear Mr. Hebertson:

Enclosed herewith please find the Report of Water Encountered During Drilling for the above referenced well. There was never actually any water flow, it was formation water came up while drilling. The water sample that was obtained to contained too much mud to run an analysis. However, if you should require a water sample, Inland will be glad to provide a sample from a nearby well.

Should you have any questions or require additional information, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight  
Manager, Regulatory Compliance

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Tar Sands Federal #4-29-8-17

API number: 43-013-32062

2. Well Location: QQ NWN Section 29 Township 8S Range 17E County Duchesne

3. Well operator: Inland Production Co.

Address: 410 17<sup>th</sup> Street, Suite 700

Denver, CO 80202-4402

Phone: 303-382-4434

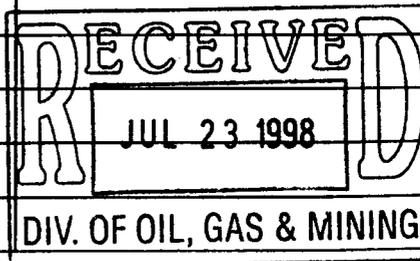
4. Drilling contractor: Big A Drilling

Address: Rig #46

Phone: 801-790-6590

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
80'	80'		



6. Formation tops: Garden Gulch Y Marker Castle Peak  
Garden Gulch 2 Douglas Creek Basal Carbonate  
Point 3 Bi-Carb \_\_\_\_\_  
X Marker B-Lime \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 7-10-98

Name & Signature: Debbie E. Knight

Title: Mgr, Regulatory Compliance

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-76956**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**GREATER BOUNDARY**

8. Well Name and No.

**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.

**43-013-32062**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

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

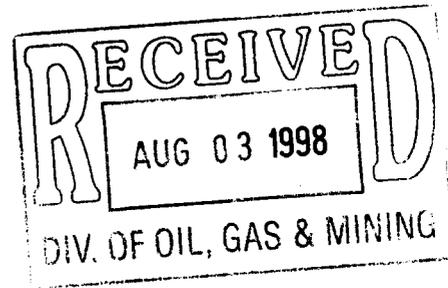
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
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	<input type="checkbox"/> Dispose Water

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 7/23/98 - 7/29/98**

Perf D sds @ 5170-74'.  
Swab well. Trip production tbg.  
Well ready for production. WO sfc equipment.



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

Signed Sharon Smith Title Engineering Secretary Date 7/30/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-76956**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**GREATER BOUNDARY**

8. Well Name and No.

**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.

**43-013-32062**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

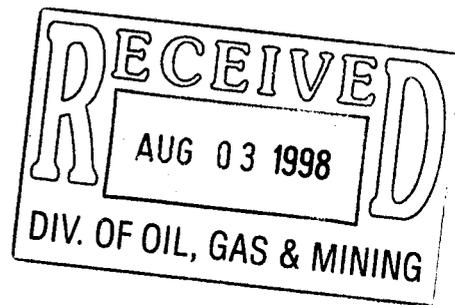
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 7/16/98 - 7/22/98**

Perf A/LDC sds @ 5620-30', 5690-5703' & 5706-10'.  
Perf B sds @ 5390-94'.



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

Signed Shannon Smith Title Engineering Secretary Date 7/29/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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Use "APPLICATION FOR PERMIT -" for such proposals

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**U-76956**

6. If Indian, Allottee or Tribe Name

**NA**

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**GREATER BOUNDARY**

8. Well Name and No.

**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.

**43-013-32062**

10. Field and Pool, or Exploratory Area

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11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**660 FNL 660 FWL                      NW/NW Section 29, T08S R17E**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

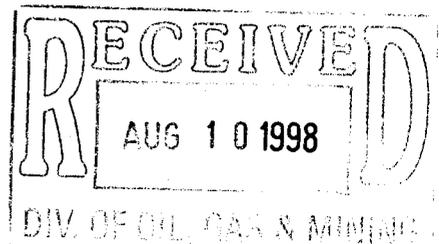
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 7/30/98 - 8/5/98**

PLACE WELL ON PRODUCTION @ 1:20 PM, 8/3/98.



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

Signed Shannon Smith Title Engineering Secretary Date 8/6/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR  
Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface NW/NW  
At top prod. interval reported below 660' FNL & 660' FWL  
At total depth

14. PERMIT NO. 43-013-32062  
DATE ISSUED 5/4/98

12. COUNTY OR PARISH Duchesne  
13. STATE UT

15. DATE SPUDDED 6/8/98  
16. DATE T.D. REACHED 6/19/98  
17. DATE COMPL. (Ready to prod.) 8/3/98  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5283.8' GR  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6250'  
21. PLUG, BACK T.D., MD & TVD 6219'  
22. IF MULTIPLE COMPL. HOW MANY?  
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

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

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIGL/SP/GR/CAL - CD/DN/GR - CBL 9-7-95  
27. WAS WELL CORED No

28. CASING RECORD (Report all intervals in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
8 5/8	24#	303.15'	12 1/4	130 sx Class G w/ 2% CC 2% gel + 1/2# / sk CF
5 1/2	15.5#	6235'		& 1/2# / sk CF & 400 + 10% salt

WCR/DRL to POC

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS

31. PERFORATION RECORD (Interval, size and number)

A/LDC	5620'-30', 5690'-5703', 5706'-
B	5390'-94'
D	5170'-74'

33.\*  
DATE FIRST PRODUCTION 8/3/98  
PRODUCTION METHOD (Flowing, Pumping 2 1/2" X 1 1/2')

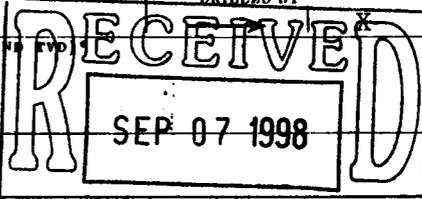
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD TEST
10 Day Avg	8/98	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold & Used For Fuel

35. LIST OF ATTACHMENTS  
Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Cheryl Cameron TITLE Regulatory Specialist DATE 8/31/98

5. LEASE DESIGNATION AND SERIAL NO. U-76956  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME Tar Sands Federal  
9. WELL NO. #4-29-8-17  
10. FIELD AND POOL, OR WILDCAT Monument Butte  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 29, T8S, R17E



OIL AND GAS

JRB	
RJK	✓
SLS	
GLH	
DTS	
CHD	✓
PIC	
MICROFILM FILE	

1-  
2-  
3-  
4-  
5-

AMOUNT PULLED  
130 sx Class G w/ 2% CC 2% gel + 1/2# / sk CF  
& 1/2# / sk CF & 400 + 10% salt  
YARD  
MD) PACKER SET (MD) 4' TA @ 5565'  
IT SQUEEZE, ETC.  
ND OF MATERIAL USED  
STATUS (Producing or not-in) Producing  
L. GAS-OIL RATIO 2.1  
OIL GRAVITY-API (CORR.)

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-76956

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tar Sands Federal

9. WELL NO.

#4-29-8-17

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Sec. 29, T8S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR  
Inland Production Company

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

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

At surface NW/NW

At top prod. interval reported below 660' FNL & 660' FWL

At total depth

14. PERMIT NO. 43-013-32062 DATE ISSUED 5/4/98

15. DATE SPUNDED 6/8/98 16. DATE T.D. REACHED 6/19/98 17. DATE COMPL. (Ready to prod.) 8/3/98 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5283.8' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6250' 21. PLUG, BACK T.D., MD & TVD 6219' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

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

28. CASING RECORD (Report all casing set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
8 5/8	24#	303.15'	12 1/4	130 sx Class G w/ 2% CC 2% gel + 1/2#/sk CF
5 1/2	15.5#	6235'	7 7/8	340 sx Pox Lt. + Add & 1/2#/sk CF & 400 sx Class G + 10% A-10 + 10% salt

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	EOT @ 5794'	TA @ 5565'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

A/LDC	5620'-30', 5690'-5703', 5706'-10'
B	5390'-94'
D	5170'-74'

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

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

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8/3/98	Pumping 2 1/2" X 1 1/2" X 16' RHAC pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 Day Avg	8/98	N/A	→	56	15	3	2.1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS  
Logs in Item #26

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

SIGNED Cheryl Cameron TITLE Regulatory Specialist DATE 8/31/98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	4077'		#32.			
Garden Gulch 2	4396'		Perf A/LDC sd @ 5620'-30', 5690'-5703', 5706'-10'			
Point 3	4677'		Frac w/ 139,160# 20/40 sd in 705 bbls			
X Marker	4922'		Viking 1-25 fluid			
Y Marker	4945'					
Douglas Creek	5072'		Perf B sd @ 5390'-94'			
Bi-Carb	5315'		Frac w/ 27,906# 20/40 sd in 210 bbls			
B-Lime	5446'		Viking 1-25 fluid			
Castle Peak	5947'					
Basal Carb	NDE		Perf D sd @ 5170'-74'			
			Frac w/ 102,080# 20/40 sd in 531 bbls			
			Viking 1-25 fluid			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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8. Well Name and No.  
**TAR SANDS FEDERAL 4-29-8-17**

9. API Well No.  
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10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**P O BOX 790233 VERNAL, UT 84079 (435) 789-1866**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**660' FNL & 660' FWL      NW/NW SEC 29, T8S, R17E**

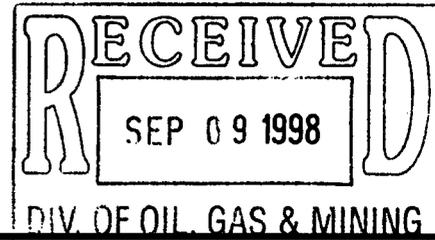
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Reserve Pit Reclamation</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.)\*

The reserve pit has been backfilled and the topsoil has been spread over the rehabilitated area, in accordance with the Surface Use Program on August 13, 1998. The reserve pit and topsoil stockpile have been seeded per BLM requirements.



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

Signed *Cheryl Cameron* Title Regulatory Specialist Date 9/8/98  
Cheryl Cameron

(This space for Federal or State office use)

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

Conditions of approval, if any:  
**CC: UTAH DOGM**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**GREATER BOUNDARY (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BOUNDARY FED 8-20-8-17	20	080S	170E	4301331993	12391	Federal	OW	S
BOUNDARY 6-21	21	080S	170E	4301331889	12391	Federal	OW	P
TAR SANDS FED 13-28	28	080S	170E	4301331771	12391	Federal	WI	A
TAR SANDS FED 6-28	28	080S	170E	4301331921	12391	Federal	OW	P
TAR SANDS FED 14-28-8-17	28	080S	170E	4301332065	12391	Federal	OW	P
TAR SANDS FED 10-28-8-17	28	080S	170E	4301332066	12391	Federal	OW	P
TAR SANDS FED 1-29	29	080S	170E	4301331743	12391	Federal	WI	A
TAR SANDS FED 16-29	29	080S	170E	4301331871	12391	Federal	OW	P
TAR SANDS FED 8-29	29	080S	170E	4301331922	12391	Federal	OW	P
TAR SANDS FED 12-29	29	080S	170E	4301331924	12391	Federal	OW	P
SAND WASH 9-29-8-17	29	080S	170E	4301331942	12391	Federal	WI	A
TAR SANDS FED 15-29-8-17	29	080S	170E	4301332058	12391	Federal	WI	A
TAR SANDS FED 14-29-8-17	29	080S	170E	4301332059	12391	Federal	OW	P
TAR SANDS FED 6-29-8-17	29	080S	170E	4301332060	12391	Federal	OW	P
TAR SANDS FED 5-29-8-17	29	080S	170E	4301332061	12391	Federal	OW	P
TAR SANDS FED 4-29-8-17	29	080S	170E	4301332062	12391	Federal	OW	P
TAR SANDS FED 3-29-8-17	29	080S	170E	4301332063	12391	Federal	WI	A
TAR SANDS FED 2-29-8-17	29	080S	170E	4301332064	12391	Federal	OW	S
TAR SANDS FED 1-33	33	080S	170E	4301331863	12391	Federal	WI	A
TAR SANDS FED 2-33	33	080S	170E	4301331867	12391	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

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

SEP 30 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

RE: Underground Injection Control (UIC)  
Additional Well to Boundary Area Permit  
EPA UIC Permit UT20702-08880  
Well: Tar Sands Federal 4-29-8-17  
NWNW Sec. 2 T8S-R17E  
Duchesne County, Utah  
API No.: 43-013-32062

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

Dear Mr. Sundberg:

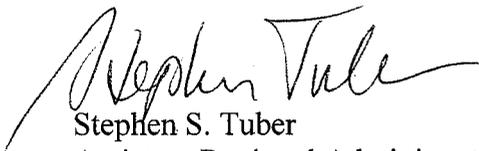
The U.S. Environmental Protection Agency (EPA), Region 8, hereby authorizes Newfield Production Company (Newfield) to convert the oil well Tar Sands Federal 4-29-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition 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 Boundary Area Permit No. UT20702-00000 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**  
**OCT 12 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  
Wellbore and P&A Schematics for Tar Sands Federal 4-29-8-17

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

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

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 UT20702-00000**

The Boundary Unit Final UIC Area Permit UT20702-00000, effective February 8, 1994, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On July 16, 2010, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Tar Sands Federal 4-29-8-17
EPA Permit ID Number:	UT20702-08880
Location:	660' FNL & 660' FWL NWNW Sec. 29-T9S-R17E Duchesne County, Utah API #43-013-32062

Pursuant to 40 CFR §144.33, Area UIC Permit UT20702-00000 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. UT20702-00000, 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: SEP 30 2010

\_\_\_\_\_

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

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

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: Tar Sands Federal 4-29-8-17  
EPA Well ID Number: UT20702-08880

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

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

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**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 4,396 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,489 ft.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,500 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.73 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = 5170 \text{ ft. (top perforation depth KB)} \\ \text{Initial MAIP} &= 1,500 \text{ psig} \end{aligned}$$

FG = Fracture Gradient      SG = Specific Gravity of Injectate (Maximum)

UIC Area Permit No. UT20702-00000 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. An EPA annotated wellbore diagram is attached.

**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 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 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 3,185 ft. to 3,344 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 159-foot balanced cement plug inside the 5-1/2" casing from approximately 3,185 to 3,344 ft.

**Plug 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 1,749 ft., from approximately 1,689 ft. to 1,809 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 1,689 to 1,809 ft.

**Plug 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 353 ft. to the surface.

An EPA annotated diagram of the plugging and abandonment plan is attached.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: Tar Sands Federal 4-29-8-17

EPA Well ID Number: UT20702-08880

**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 50 ft. below ground surface in the Tar Sands Federal 4-29-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths.

**Water Resources in the Area of Review:** According to the Utah Division of Water Rights (<http://nrwr1.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 5,680 mg/l on February 24, 2010. Due to nearby injection activity for the purpose of enhanced oil recovery, this TDS value may not be representative of the original TDS content of formation waters at or near the Tar Sands Federal 4-29-8-17 well.

The TDS content of injectate was determined to be 2,897 mg/l on January 5, 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 resulting in a TDS content less than 10,000 mg/l.

**Aquifer Exemption:** The TDS of water produced from the proposed injection well is less than 10,000 mg/l. However, EPA has evaluated additional data and information and has concluded that the original Green River formation water was saline prior to enhanced oil recovery water flooding. The weight of evidence supports the conclusion that the occasional water sample from this area showing less than 10,000 mg/l is not representative of original Green River formation

*Authorization for Additional Well: UIC Area Permit UT20702-00000*

*Well: Tar Sands Federal 4-29-8-17 EPA Well ID: UT20702-08880*

water, and is attributed to injection of relatively freshwater during enhanced oil recovery operations. Because this freshening effect from water flood operations is considered by EPA to be a temporary, artificial condition, an aquifer exemption is not required for this proposed injection well.

**Confining Zone:** The "B" Shale Confining Zone, which directly overlies the Garden Gulch Member No. 2 of the Green River Formation, is approximately 84 ft. of shale between the depths of 4,312 ft. and 4,396 ft.

**Injection Zone:** The Injection Zone at this well location is approximately 2,093 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member No.2 at 4,396 ft. to the top of the Wasatch Formation which is estimated to be at 6,489 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 (4,312 ft. to 4,396 ft.). No further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 303 ft. in a 12-1/4" hole, using 200 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 6,235 ft. in a 7-7/8" hole secured with 740 sacks of cement. Total driller depth is 6,250 ft. Plugged back total depth is 6,219 ft. Estimated CBL top of cement is 850 ft.

**Perforations:** Top perforation: 5,170 ft. Bottom perforation: 5,710 ft.

Additional information about this well may be found on the Utah state oil and gas website:  
<http://oilgas.ogm.utah.gov/>

**Basis for Initial MAIP Calculation:** The initial MAIP was calculated by EPA using the following input values for the fracture gradient and injectate specific gravity:

**Fracture Gradient:** A value of 0.73 psi/ft. was selected by EPA because it is the most conservative fracture gradient calculated for other nearby wells.

**Specific Gravity:** An injectate specific gravity of 1.015 was selected by EPA because this value is the maximum expected specific gravity of injectate for the Monument Butte Field.

**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.

# UT20702-08880

## Tar Sands Federal 4-29-8-17

Spud Date: 6/14/98

Initial Production: 56 BOPD,  
115 MCFD, 3 BWPD

Put on Production: 8/3/98  
GL: 5286' KB: 5296'  
**SURFACE CASING**

Proposed Injection  
Wellbore Diagram

**FRAC JOB**

CSG SIZE: 8-5/8" *Base USDWs ~ 50'*  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.65')  
DEPTH LANDED: 303.15' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 130 sxs Class G cmt, pump 25 sx Class G, pump 15 sx Class G, pump 30 sxs Class G Cement to surface

*Green River 1749'*

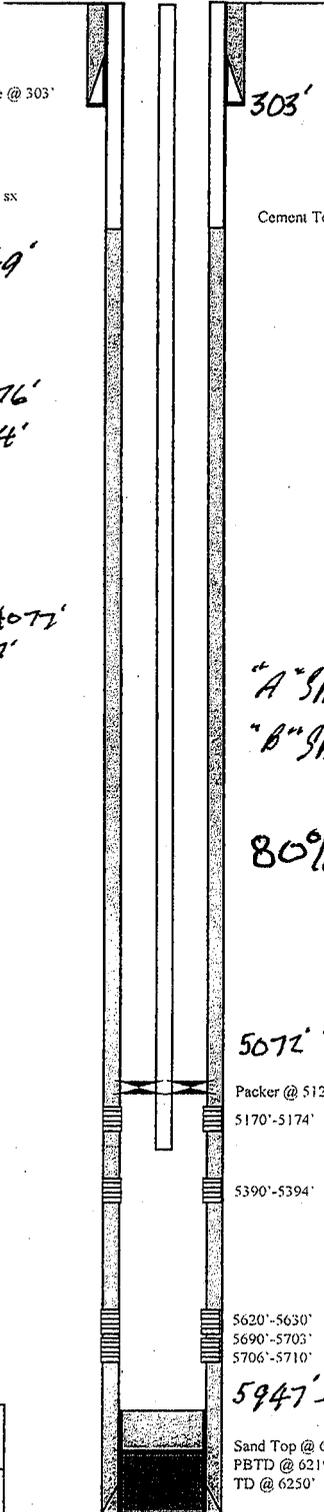
**PRODUCTION CASING**

CSG SIZE: 5-1/2" *Tons 3235-3276'*  
GRADE: J-55  
WEIGHT: 15.5# *Mahogany 3276'-3294'*  
LENGTH: 146 jts (6224')  
DEPTH LANDED: 6235' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 340 sxs Poz Lite mixed & 400 sxs Class G  
CEMENT TOP AT: 850' per CBL

*Admin CE 4024'-4071'*  
*Green Gulch Marker 4071'*

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 174 jts (5663.83')  
TUBING ANCHOR: 5567.83'  
NO. OF JOINTS: 2 jts (65.09')  
SEATING NIPPLE: 2 - 7/8" (1 10')  
SN LANDED AT: 5744.75'  
NO. OF JOINTS: 2 jts (64.85')  
TOTAL STRING LENGTH EOT @ 5811.12'



7/18/98 5620'-5710' **Frac A/LDC sand as follows:**  
139,160# of 20/40 sand in 705 bbls  
Viking I-25 fluid. Perfs broke back @  
2199 psi @ 16 BPM. Treated @ avg  
press of 1500 psi w/avg rate of 35.9 psi  
ISIP: 1650 psi, 5-min: 1600 psi.  
Flowback on 12/64 choke for 5 hours and  
died.

7/21/98 5390'-5394' **Frac B sand as follows:**  
27,906# of 20/40 sand in 210 bbls  
Viking I-25 fluid. Perfs broke back @  
24002 psi. Pressure decreased from 330  
psi to 3000 psi w/pay on perfs, then down  
to 2400 psi w/light sand on perfs.  
Screened out immediately w/41/2# sand  
on perfs (6.2# sand @ blender). All fluids  
looked good. Bleed well down slowly -  
rec 10 BTF.

7/23/98 5170'-5174' **Frac D sand as follows:**  
102,080# of 20/40 sand in 531 bbls  
Viking I-25 fluid. Perfs broke back @  
3023 psi. Treated @ avg press of 1850  
psi w/avg rate of 28.4 psi. ISIP: 2180 psi,  
5-min: 1618 psi. Flowback on 12/64  
choke for 3 hours and died.

09-05-07 **Tubing Leak:** Updated rod and tubing details

10/8/08 **Pump change:** Updated rod & tubing details.

**80% BOND** {  
3904-3838'  
3900-3978'  
4134-4308'  
4350-4386'

*5071' Douglas Creek*

**PERFORATION RECORD**

Date	Interval	Tool	Holes
7/17/98	5620'-5630'	4 JSPF	40 holes
7/17/98	5690'-5703'	4 JSPF	52 holes
7/17/98	5706'-5710'	4 JSPF	16 holes
7/20/98	5390'-5394'	4 JSPF	16 holes
7/22/98	5170'-5174'	4 JSPF	16 holes

**NEWFIELD**

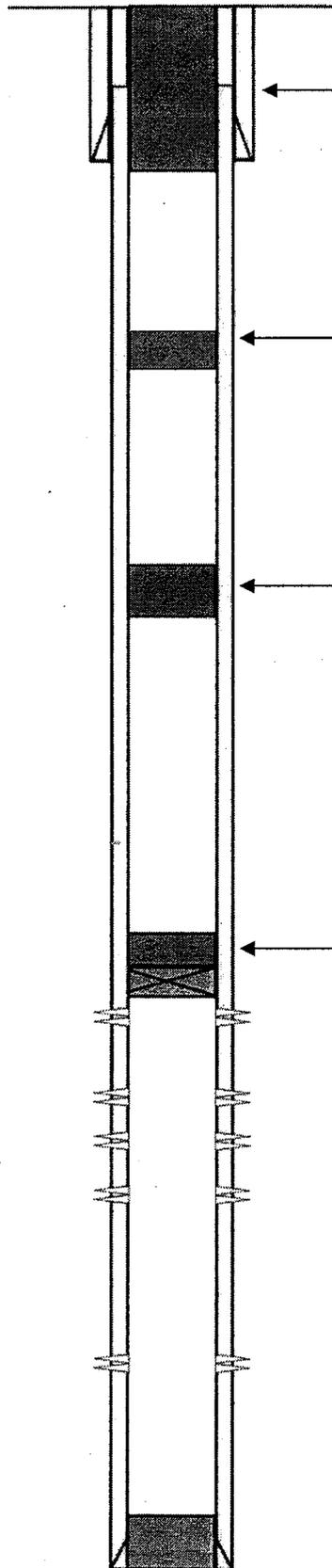
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**Tar Sands Federal 4-29-8-17**

660 FNL 660 FWL  
NWNW Section 29-T&S-R17E  
Duchesne Co, Utah  
API #43-013-32062; Lease #UTU-76956

*Est. Basal Carbonate 6364'*  
*Est. Mahatch 6489'*

## Plugging and Abandonment Diagram Tar Sands Federal 4-29-8-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 353 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, 1,689 feet - 1,809 feet, unless existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot balanced cement plug inside the casing from approximately 1,689 feet - 1,809 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and Mahogany Bench from approximately 3,185 feet - 3,344 feet unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 159-foot balanced cement plug inside of the casing approximately 3,185 feet - 3,344 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.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-76956

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER   
8. WELL NAME and NUMBER:  
TAR SANDS FED 4-29-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY  
9. API NUMBER:  
4301332062

3. ADDRESS OF OPERATOR: PHONE NUMBER  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 435.646.3721  
10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 660 FNL 660 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 29, T8S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/23/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 05/19/2011.

On 05/11/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/23/2011 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 275 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08880 API# 43-013-32062

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Water Services Technician

SIGNATURE  DATE 05/31/2011

(This space for State use only)

**RECEIVED**

**JUN 14 2011**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.  
USA UTU-76956

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
TAR SANDS FED 4-29-8-17

9. API Well No.  
4301332062

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

11. County or Parish, State  
DUCHESNE, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FNL 660 FWL  
NWNW Section 29 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	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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

The subject well has been converted from a producing oil well to an injection well on 05/19/2011.

On 05/11/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/23/2011 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 275 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08880      API# 43-013-32062

**RECEIVED**  
**JUN 14 2011**  
**DIV. OF OIL, GAS & MINING**

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Water Services Technician
Signature 	Date 05/31/2011
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	

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 page 2)

# 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: 05 123 111  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Tar Sands Fed. 4-29-8-17</u> Type: ER SWD Status: AC TA UC	
Field: <u>Monument Butte</u>	
Location: <u>NW/NW</u> Sec: <u>29</u> T <u>8</u> N <u>15</u> R <u>17</u> E W County: <u>Duchesne</u> State: <u>Ut.</u>	
Operator: _____	
Last MIT: <u>1</u> / <u>1</u> Maximum Allowable Pressure: _____ PSIG	

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

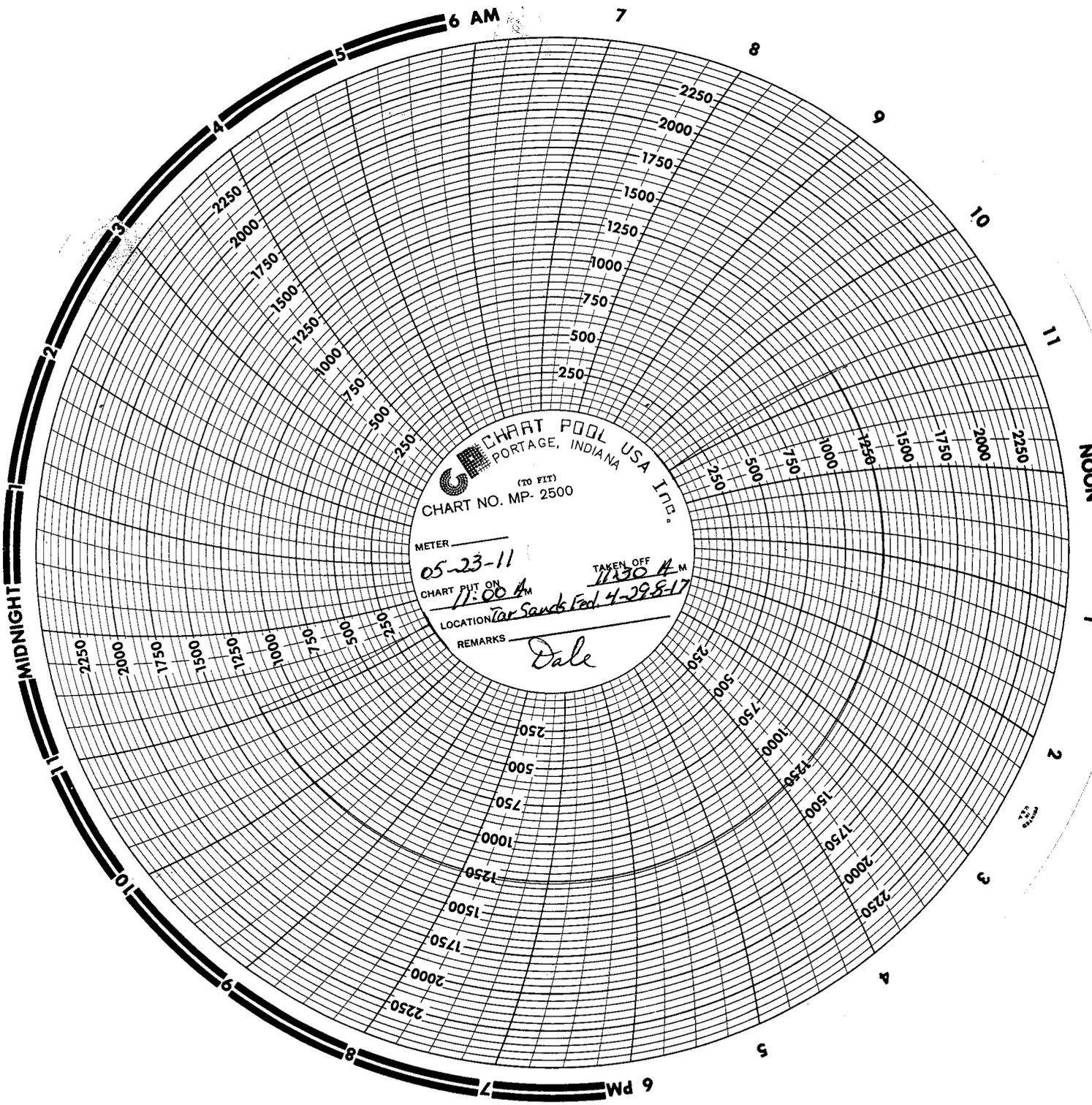
Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>275</u> psig	psig	psig
End of test pressure	<u>275</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1250</u> psig	psig	psig
5 minutes	<u>1250</u> psig	psig	psig
10 minutes	<u>1250</u> psig	psig	psig
15 minutes	<u>1250</u> psig	psig	psig
20 minutes	<u>1250</u> psig	psig	psig
25 minutes	<u>1250</u> psig	psig	psig
30 minutes	<u>1250</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

## MECHANICAL INTEGRITY PRESSURE TEST

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



**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_  
05-23-11  
CHART PUT ON 11:00 AM  
TAKEN OFF 11:30 A.M.  
LOCATION Star Sands Fed. 4-298-17  
REMARKS Dale

## Daily Activity Report

Format For Sundry

**TAR SANDS 4-29-8-17**

**3/1/2011 To 7/30/2011**

**5/16/2011 Day: 2**

**Conversion**

NC #1 on 5/16/2011 - POOH W/Remainder Of Tbg Prod,N/U BOP,POOH W/-Tbg Production,R/U Wire Line, Perf ZonesGB6-CP1-CP2,Start In Hole W/-Plg & Pkr, 55 Jts Tbg, SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, RIH W/-95 Jts Tbg, Set Plg @ 4727', POOH W/-2 Jts Tbg, Set Pkr @ 4631', R/U Heat Waves H/Oiler, Fill Tbg W/-19 BW, Perfs GB6 Perfs @ 4670'-74' Broke @ 2600 Psi, pmp 5 BW Into Perfs 1.5 BPM @ 2200 Psi, Rel Pkr, RIH & Rel Plg, RIH W/-42 Jts Tbg, Set Plg @ 6022', POOH W/-2 Jts Tbg, Set Pkr @ 5960', Fill Tbg W/-19 BW, CP1 Perfs @ 5987'-88' Broke @ 4800 Psi, pmp 10 BW Into Perfs 1.5 BPM @ 2480 Psi. Rel Tools, RIH & Reset Plg @ 6140', POOH & Reset Pkr @ 6040', Fill Tbg W/-19 BW, CP2 Perfs @ 6080'-82'-87'-89' Would Not Break, 4800 Psi Max. R/D H/Oiler, RIH W/-1 Jt Tbg, EOT @ 6084'. SWI, 2:00PM C/SDFN, 2:00PM-2:30PM C/Trvl. - 10:30AM Move In NC#1, 12 Mile Rig Move. Wait On Rock & Backhoe Due To Location Being Soft & Muddy. R/U NC#1, R/D Unit, NDSI H/Oiler pmp 60 BW D/Csg. Unseat pmp, Flush Tbg W/-40 BW. Seat pmp, P/Test Tbg To 3300 Psi, Good Test. Unseat pmp, POOH W/-Polish Rod, 99-3/4 4 Per, 28-3/4 Slick, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 10:30AM Move In NC#1, 12 Mile Rig Move. Wait On Rock & Backhoe Due To Location Being Soft & Muddy. R/U NC#1, R/D Unit, NDSI H/Oiler pmp 60 BW D/Csg. Unseat pmp, Flush Tbg W/-40 BW. Seat pmp, P/Test Tbg To 3300 Psi, Good Test. Unseat pmp, POOH W/-Polish Rod, 99-3/4 4 Per, 28-3/4 Slick, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 10:30AM Move In NC#1, 12 Mile Rig Move. Wait On Rock & Backhoe Due To Location Being Soft & Muddy. R/U NC#1, R/D Unit, NDSI H/Oiler pmp 60 BW D/Csg. Unseat pmp, Flush Tbg W/-40 BW. Seat pmp, P/Test Tbg To 3300 Psi, Good Test. Unseat pmp, POOH W/-Polish Rod, 99-3/4 4 Per, 28-3/4 Slick, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U R/pmp, Fill Csg W/-84 BW, R/U BJ,Spot 14 Bbls Acid On Perfs. POOH W/-5 Jts Tbg, Reset Pkr @ 5920', R/U BJ To Frac Zone CP1-CP2. R/D BJ Aftr Frac. OWU To Flow Back W/- 26/64 Choke. Flowed 55 BW & Died. R/U R/pmp, Rel Pkr, Curc Tbg Cln. RIH To Plg @ 6140, Curc Cln, Rel Plg, POOH & Reset Plg @ 4733', POOH & Reset Pkr @ 4637' R/U BJ To Frac Zone GB6, R/D BJ Aftr Frac, OWU To Flow Back 26/64 Choke. Flowed 48 BW & Died,Rel Pkr, Curc Cln, RIH To Plg @ 4733',Curc Cln, Rel Plg, POOH W/-151 Jts N-80 Tbg, Pkr & Plg. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 38 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U R/pmp, Fill Csg W/-84 BW, R/U BJ,Spot 14 Bbls Acid On Perfs. POOH W/-5 Jts Tbg, Reset Pkr @ 5920', R/U BJ To Frac Zone CP1-CP2. R/D BJ Aftr Frac. OWU To Flow Back W/- 26/64 Choke. Flowed 55 BW & Died. R/U R/pmp, Rel Pkr, Curc Tbg Cln. RIH To Plg @ 6140, Curc Cln, Rel Plg, POOH & Reset Plg @ 4733', POOH & Reset Pkr @ 4637' R/U BJ To Frac Zone GB6, R/D BJ Aftr Frac, OWU To Flow Back 26/64 Choke. Flowed 48 BW & Died,Rel Pkr, Curc Cln, RIH To Plg @ 4733',Curc Cln, Rel Plg, POOH W/-151 Jts N-80 Tbg, Pkr & Plg. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 38 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U R/pmp, Fill Csg W/-84 BW, R/U BJ,Spot 14 Bbls Acid On Perfs. POOH W/-5 Jts Tbg, Reset Pkr @ 5920', R/U BJ To Frac Zone CP1-CP2. R/D BJ Aftr Frac. OWU To Flow Back W/- 26/64 Choke. Flowed 55 BW & Died. R/U R/pmp, Rel Pkr, Curc Tbg Cln. RIH To Plg @ 6140, Curc Cln, Rel Plg, POOH & Reset Plg @ 4733', POOH & Reset Pkr @ 4637' R/U BJ To Frac Zone GB6, R/D BJ Aftr Frac, OWU To Flow Back 26/64 Choke. Flowed 48 BW & Died,Rel Pkr, Curc Cln, RIH To Plg @ 4733',Curc Cln, Rel Plg, POOH W/-151 Jts N-80 Tbg, Pkr & Plg. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 38 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U R/pmp, Fill Csg W/-84 BW, R/U BJ,Spot 14 Bbls Acid On Perfs. POOH W/-5 Jts Tbg, Reset Pkr @ 5920', R/U BJ To Frac Zone CP1-CP2. R/D BJ Aftr Frac. OWU To Flow Back W/- 26/64 Choke. Flowed 55 BW & Died. R/U R/pmp, Rel Pkr, Curc Tbg Cln. RIH To Plg @ 6140, Curc Cln, Rel Plg, POOH & Reset Plg @ 4733', POOH & Reset Pkr @ 4637' R/U BJ To Frac Zone GB6, R/D BJ Aftr Frac, OWU To

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N/D W/-HD, N/U BOP, R/U Flr, Rel T/A, POOH W/-158 Jts Tbg In Derrick Breaking & Doping All Tool Jts W/-Liquid O Ring, L/D 16 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C. R/U R/pmp, pmp 30 BW D/Tbg On TOOH Due To Oil. R/U Perforators Wireline To Perf Zone GB6 @ 4670'-4674', CP1 @ 5987'-5988', CP2 @ 6080'-6082'-6087'-6089' 3 SPF, 120deg Phasing. Wireline Run Guage Ring To 6162', Tag Solid. R/D Wireline Afr Perf. P/U & RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, 55 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, NDSI Hoiler Flush Tbg W/-20 BW, POOH W/-41-3/4 Slick Rods, 56-3/4 4 Per, 4-1 1/2 Wt Bars & pmp. R/U S/Line RIH To Fill @ 6210'. POOH W/-Sline. N/D W/-HD, N/U BOP, R/U Flr, Rel T/A, POOH W/-158 Jts Tbg In Derrick Breaking & Doping All Tool Jts W/-Liquid O Ring, L/D 16 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C. R/U R/pmp, pmp 30 BW D/Tbg On TOOH Due To Oil. R/U Perforators Wireline To Perf Zone GB6 @ 4670'-4674', CP1 @ 5987'-5988', CP2 @ 6080'-6082'-6087'-6089' 3 SPF, 120deg Phasing. Wireline Run Guage Ring To 6162', Tag Solid. R/D Wireline Afr Perf. P/U & RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, 55 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, NDSI Hoiler Flush Tbg W/-20 BW, POOH W/-41-3/4 Slick Rods, 56-3/4 4 Per, 4-1 1/2 Wt Bars & pmp. R/U S/Line RIH To Fill @ 6210'. POOH W/-Sline. N/D W/-HD, N/U BOP, R/U Flr, Rel T/A, POOH W/-158 Jts Tbg In Derrick Breaking & Doping All Tool Jts W/-Liquid O Ring, L/D 16 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C. R/U R/pmp, pmp 30 BW D/Tbg On TOOH Due To Oil. R/U Perforators Wireline To Perf Zone GB6 @ 4670'-4674', CP1 @ 5987'-5988', CP2 @ 6080'-6082'-6087'-6089' 3 SPF, 120deg Phasing. Wireline Run Guage Ring To 6162', Tag Solid. R/D Wireline Afr Perf. P/U & RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, 55 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, NDSI Hoiler Flush Tbg W/-20 BW, POOH W/-41-3/4 Slick Rods, 56-3/4 4 Per, 4-1 1/2 Wt Bars & pmp. R/U S/Line RIH To Fill @ 6210'. POOH W/-Sline. N/D W/-HD, N/U BOP,

R/U Flr, Rel T/A, POOH W/-158 Jts Tbg In Derrick Breaking & Doping All Tool Jts W/-Liquid O Ring, L/D 16 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C. R/U R/pmp, pmp 30 BW D/Tbg On TOOH Due To Oil. R/U Perforators Wireline To Perf Zone GB6 @ 4670'-4674', CP1 @ 5987'-5988', CP2 @ 6080'-6082'-6087'-6089' 3 SPF, 120deg Phasing. Wireline Run Guage Ring To 6162', Tag Solid. R/D Wireline Aftr Perf. P/U & RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 H-D Pkr, 55 Jts Tbg, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$17,476

**5/17/2011 Day: 5**

**Conversion**

NC #1 on 5/17/2011 - RIH W/Remnder Of Tbg,Drop SV.P/Tst Tbg,No Tst.RIH W/Sline Tapp On SV.Fill & P/Tst Tbg.Good Tst.pmp Pkr Flud,Set Pkr,N/U W/HD.P/Tst Csg,Csg Pressure Never Stabilized,Will Chek Psi In AM, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, RIH W/-120 Jts Tbg, POOH & L/D 16 Jts Tbg, R/U Heat Waves H/Oiler, Flush Tbg W/-30 BW, Drop SV, pmp SV To S/N W/-24 BW, P/Test Tbg 30 Min To 3,000 Psi, Lost 580 Psi. R/U S/Line RIH To SV, Tapp On SV. POOH W/-S/Line. Fill Tbg, P/Test Tbg To 3,000 Psi, Bump Psi 2 Tines W/-H/Oiler, Held 3,000 Psi 30 Min, ( Good Test ). RIH W/-S/Line Ovrshot & Fish SV. R/D Flr, N/D BOP, N/U W/-HD. pmp 60 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 18,000 Tension, N/U W/-HD. P/Test Csg To 1,200 Psi, Csg Pressure Never Stabilized, Final Pressure 1155 Psi, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$79,119

**5/18/2011 Day: 6**

**Conversion**

NC #1 on 5/18/2011 - Csg Leaked 555 Psi Ovrnight. Move Pkr & Reset Pkr @ 4639.43',Vent Air Out Of Csg,N/U W/HD,P/Tst Pkr & Csg,Psi Dropped 420 Psi In 2 Hrs.Pressure Csg Up To 1200 Psi, SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM Check Psi On Csg, 600 Psi, Pressure Dropped 555 Psi Ovr Night. R/U Heat Waves H/Oiler Bump Psi On Csg To 1190 Psi, Leaked .50 Psi Per Min, Bump Psi W/-H/Oiler 3 Times On Csg To 1150 Psi, Csg Pressure Would Not Stabilize. N/D W/-HD, Rel Pkr, Add 2 7/8X10.10' Tbg Sub, 2 7/8X7.60 Tbg Sub, Reset Pkr @ 4639.43' CE. Fill Csg W/-13 Bbls Pkr Fluid, Vent Air Out Of Csg 1 Hr, N/U W/-HD. P/Test Csg To 1200 Psi, Leaked 420 Psi In 2 Hrs,Pressure Csg Up To 1200 Psi, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,935

**5/19/2011 Day: 7**

**Conversion**

NC #1 on 5/19/2011 - Csg Blead Of 780 Psi Ovr Night.Bump Csg Psi To 1230 Psi,pmp 10 BW Pad D/Tbg Drop SV,P/Tst Tbg To 3180 Psi,Tbg & Csg Held Good 1 Hr.Blead Tbg Psi Off,Csg Psi 1130 Psi,Held Good 1 Hr,Good Tst. R/D Rig,( Final Report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-340 Psi On Csg, Leaked 860 Psi Ovrnight. R/U Heat Waves H/Oiler, Pressure Csg Up To 1200 Psi, Leak 1.3 Psi Per Min. pmp 10 BW Pad D/Tbg, Drop SV, R/U S/Line Push SV To S/N, P/Test Tbg To 3,000 Psi, Csg, 1230 Psi, All Held Good 1 Hr W/-0 Blead Off. Blead Pressure Off Tbg. Csg Pressure 1130 Psi, Csg Held Good W/-0 Blead Off 1 Hr. R/U S/Line Ovrshot RIH & Fish SV. R/D Rig, 1:30PM Move Out, ( Final Report ).

**Daily Cost:** \$0

**Cumulative Cost:** \$85,674

**5/27/2011 Day: 8**

**Conversion**

Rigless on 5/27/2011 - Conduct a conversion M.I.T. - On 5-11-2011 Jason Deardroff with the E.P.A. was contacted concerning the conversion MIT on the above listed well (Tar Sands Federal 4-29-8-17). On 5-23-2011 the csg was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 275 psig during the test. There was not a E.P.A. representative available to witness the test. UT# 20702-08880

**Daily Cost:** \$0

**Cumulative Cost:** \$111,244

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-76956
<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> TAR SANDS FED 4-29-8-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013320620000
<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> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 29 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/10/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input 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="PUT ON INJECTION"/>	
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 2:30 PM on 08/10/2011. EPA # UT20702-08880		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<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> 8/10/2011



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**JUL 06 2011**

Ref: 8P-W-GW

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

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

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

**FOR RECORD ONLY**

**RECEIVED**

**JUL 13 2011**

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

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20702-08880  
Well: Tar Sands Federal 4-29-8-17  
NWNW Sec. 29-TSS-R17E  
Duchesne County, Utah  
API No.: 43-013-32062

Dear Mr. Durfey:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) May 31, 2011, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20702-08880.

As of the date of this letter, Newfield is authorized to commence injection into the Tar Sands Federal 4-29-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,356 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

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

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

Or, you may reach Mr. Wiser by telephone at (303)312-6211, or (800)227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20702-08880.

If you have questions regarding the above action, please call Jason Deardorff at (303)312-6583 or (800)227-8917, extension 312-6583.

Sincerely,



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

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Richard Jenks Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company



Spud Date: 6/14/98  
 Put on Production: 8/3/98  
 GL: 5286' KB: 5296'

# Tar Sands Federal 4-29-8-17

Initial Production: 56 BOPD  
 H5 MCFD: 3 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.65')  
 DEPTH LANDED: 303.15' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 130 sxs Class G cement, pump 25 sxs Class G, pump 15 sxs Class G, pump 30 sxs Class G. Cement to surface.

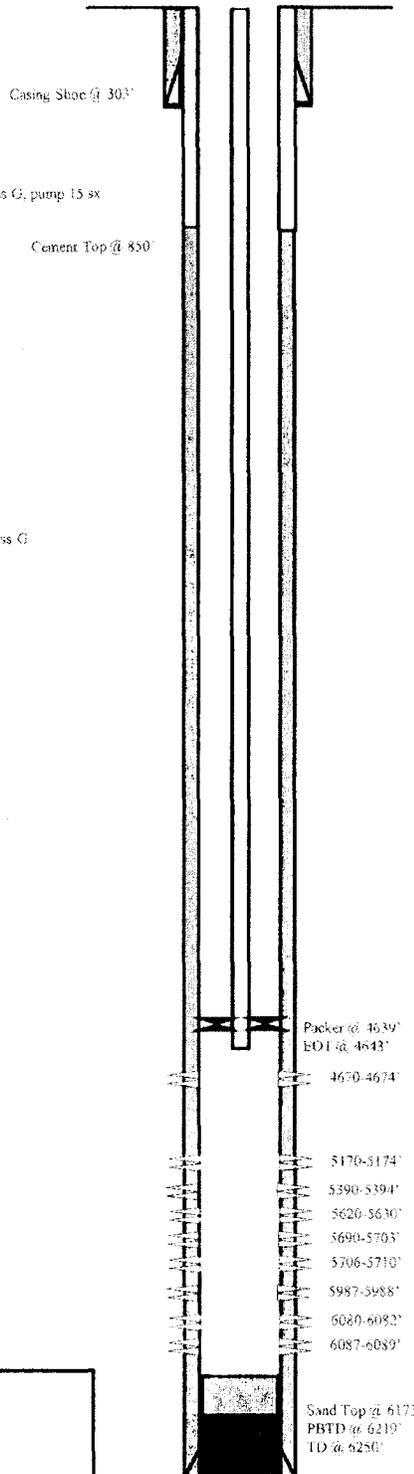
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts (6224')  
 DEPTH LANDED: 6235' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 340 sxs Poz Late mixed & 300 sxs Class G  
 CEMENT TOP AT: 850' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 142 jts (4607.5')  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 SN LANDED AT: 4635.2'  
 CE @ 4639.4'  
 TOTAL STRING LENGTH: BOT @ 4643'

## Injection Wellbore Diagram



## FRAC JOB

7/18/98 5620-5710' **Frac A/EDC sand as follows:**  
 139,160# of 20/40 sand in 705 bbls  
 Viking I-25 fluid. Perfs broke back @  
 2199 psi @ 16 BPM. Treated @ avg  
 press of 1550 psi w/avg rate of 35.9 psi.  
 ISIP: 1650 psi, 5-min. 1600 psi.  
 Flowback on 12/64 choke for 5 hours and  
 died.

7/21/98 5390-5394' **Frac B sand as follows:**  
 27,506# of 20/40 sand in 210 bbls  
 Viking I-25 fluid. Perfs broke back @  
 2400 psi. Pressure decreased from 350  
 psi to 300 psi w/pay on perfs, then down  
 to 2400 psi w/light sand on perfs.  
 Screened out immediately w/4 1/2# sand  
 on perfs (6.2# sand @ blender). All fluids  
 looked good. Bled well down slowly -  
 rec 10 RTF.

7/23/98 5170-5174' **Frac D sand as follows:**  
 102,080# of 20/40 sand in 531 bbls  
 Viking I-25 fluid. Perfs broke back @  
 3023 psi. Treated @ avg press of 1850  
 psi w/avg rate of 28.4 psi. ISIP: 2180 psi,  
 5-min: 1618 psi. Flowback on 12/64  
 choke for 3 hours and died.

09-05-07 **Tubing Leak:** Updated rod and tubing  
 details.

10/8/08 **Pump change:** Updated rod & tubing  
 details.

05/16/11 5987-6089' **Frac CP1, CP2 sands as follows:**  
 197,614 20/40 sand in 113 bbls Lighting  
 17 fluid.

05/16/11 4670-4674' **Frac GB6 sands as follows:** 8917#  
 20/40 sand in 54 bbls Lighting 17 fluid.

05/19/11 **Convert to Injection well** - update the  
 detail.

05/23/11 **Conversion MIT Finalized**

## PERFORATION RECORD

Date	Interval	ISPF	Holes
7/17/98	5620-5630'	4 ISPF	40 holes
7/17/98	5690-5703'	4 ISPF	52 holes
7/17/98	5706-5710'	4 ISPF	16 holes
7/20/98	5390-5394'	4 ISPF	16 holes
7/22/98	5170-5174'	4 ISPF	16 holes
05/12/11	6087-6089'	3 ISPF	6 holes
05/12/11	6080-6082'	3 ISPF	6 holes
05/12/11	5987-5988'	3 ISPF	3 holes
05/12/11	4670-4674'	3 ISPF	12 holes



**Tar Sands Federal 4-29-8-17**  
 660 FNL 660 FWL  
 NWNW Section 29-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-32062; Lease #UTU-76956

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-76956
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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> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> TAR SANDS FED 4-29-8-17
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013320620000
<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> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 29 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: 4/20/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 04/20/2016 the casing was pressured up to 1698 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1303 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08880

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 25, 2016**

<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> 4/21/2016	

## 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: 4/20/2016  
 Test conducted by: Dustin Bennett  
 Others present: \_\_\_\_\_

Well Name: <u>Tar Sands Fahl 4-29-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>Newfield</u> Sec: <u>29 T 8 N R 17 E</u> County: <u>DeWesse</u> State: <u>UT</u>		
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>1/1</u>	Maximum Allowable Pressure: <u>1441</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 1696 / 1303 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1303</u> psig	psig	psig
End of test pressure	<u>1303</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1696</u> psig	psig	psig
5 minutes	<u>1696</u> psig	psig	psig
10 minutes	<u>1697</u> psig	psig	psig
15 minutes	<u>1697</u> psig	psig	psig
20 minutes	<u>1697</u> psig	psig	psig
25 minutes	<u>1698</u> psig	psig	psig
30 minutes	<u>1698</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Tar Sands Federal 4-29-8-17 (5 yr MIT 4-20-2016)

4/20/2016 12:41:02 PM

