

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. U-76241
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Tar Sands Federal
9. WELL NO. #8-28-8-17
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T8S, R17E
12. County Duchesne 13. STATE UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL GAS SINGLE MULTIPLE WELL [X] WELL [ ] OTHER [ ] ZONE [ ] 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 SE/NE At proposed Prod. Zone 1835' FNL & 784' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 10.8 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) 784'

16. NO. OF ACRES IN LEASE 2520

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

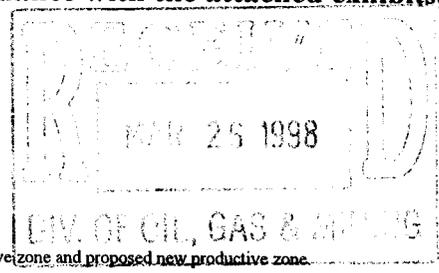
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5198.8' GR

22. APPROX. DATE WORK WILL START\* 2nd Quarter 1998

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes text: 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 3/5/98

PERMIT NO. 43-013-32068 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 BRADLEY G. HILL RECLAMATION SPECIALIST DATE 4/20/98

\*See Instructions On Reverse Side

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

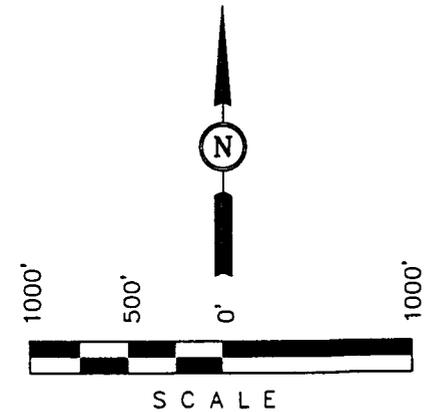
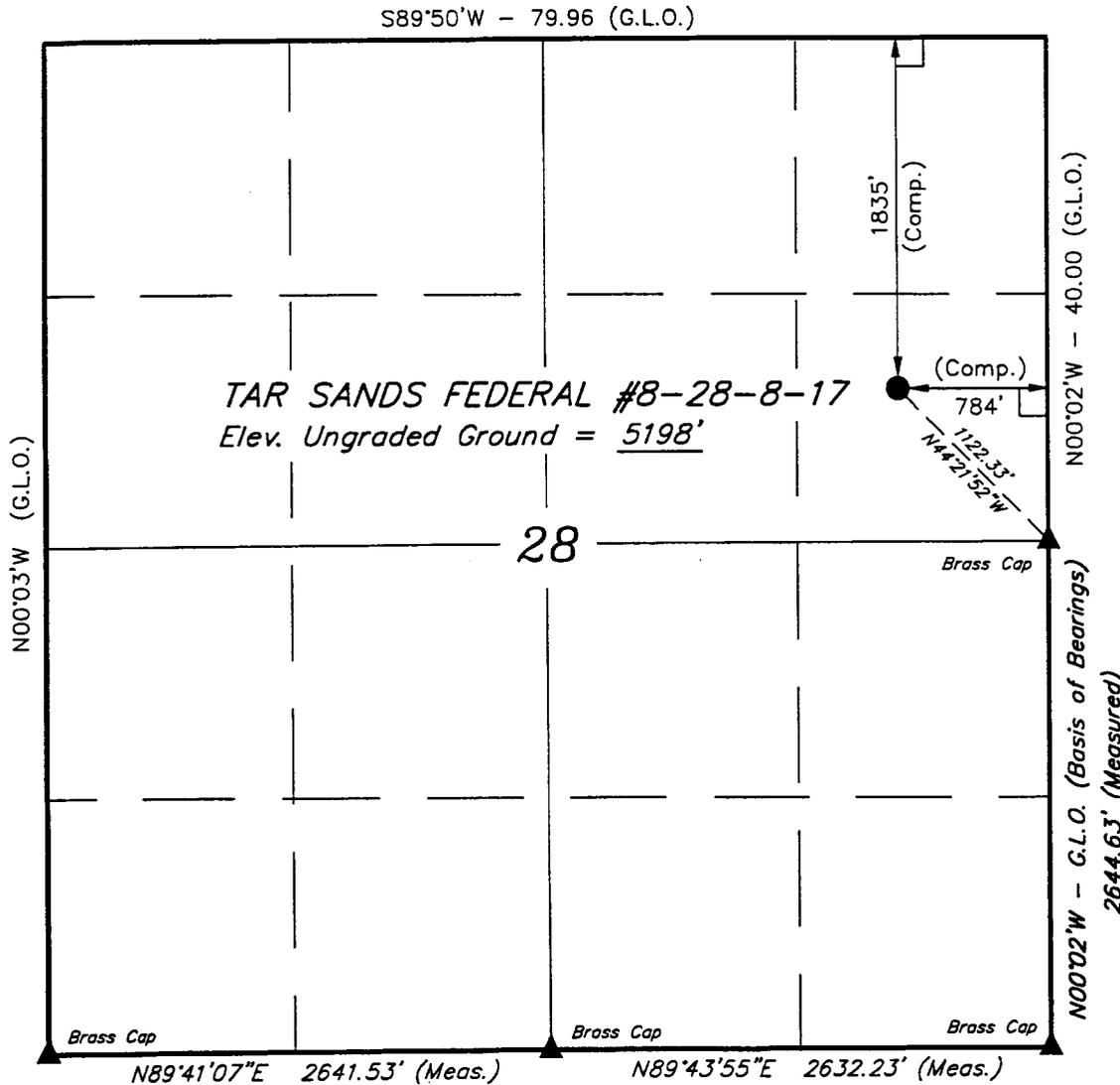
T8S, R17E, S.L.B.&M.

INLAND PRODUCTION CO.

Well location, TAR SANDS FEDERAL #8-28-8-17, located as shown in the SE 1/4 NE 1/4 of Section 28, T8S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 28, 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 5090 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY 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  
ROBERT L. KAY  
REGISTRATION NO. 167319  
STATE OF UTAH

LEGEND:

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

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

SCALE 1" = 1000'	DATE SURVEYED: 11-14-97	DATE DRAWN: 3-3-98
PARTY D.K. B.B. J.F. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE INLAND PRODUCTION CO.	

INLAND PRODUCTION COMPANY  
TAR SANDS FEDERAL #8-28-8-17  
SE/NE SECTION 28, 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' – 1870'
Green River	1870'
Wasatch	6500'

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

Green River Formation 1870' – 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 H2S 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 #8-28-8-17  
SE/NE SECTION 28, 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 #8-28-8-17 located in the SE 1/4 NE 1/4 Section 28, 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 1.6 miles to its junction with a dirt road to the east; proceed easterly 1.4 to its junction with a dirt road to the northeast; proceed northeasterly 1.3 miles with its junction with a dirt road to the southeast; proceed southeasterly 0.1 miles to the existing #2-28 location, to the beginning of the proposed access road.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road. One cattle guard will be required. Refer to Topographic Map "B".

**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 #8-28-8-17 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

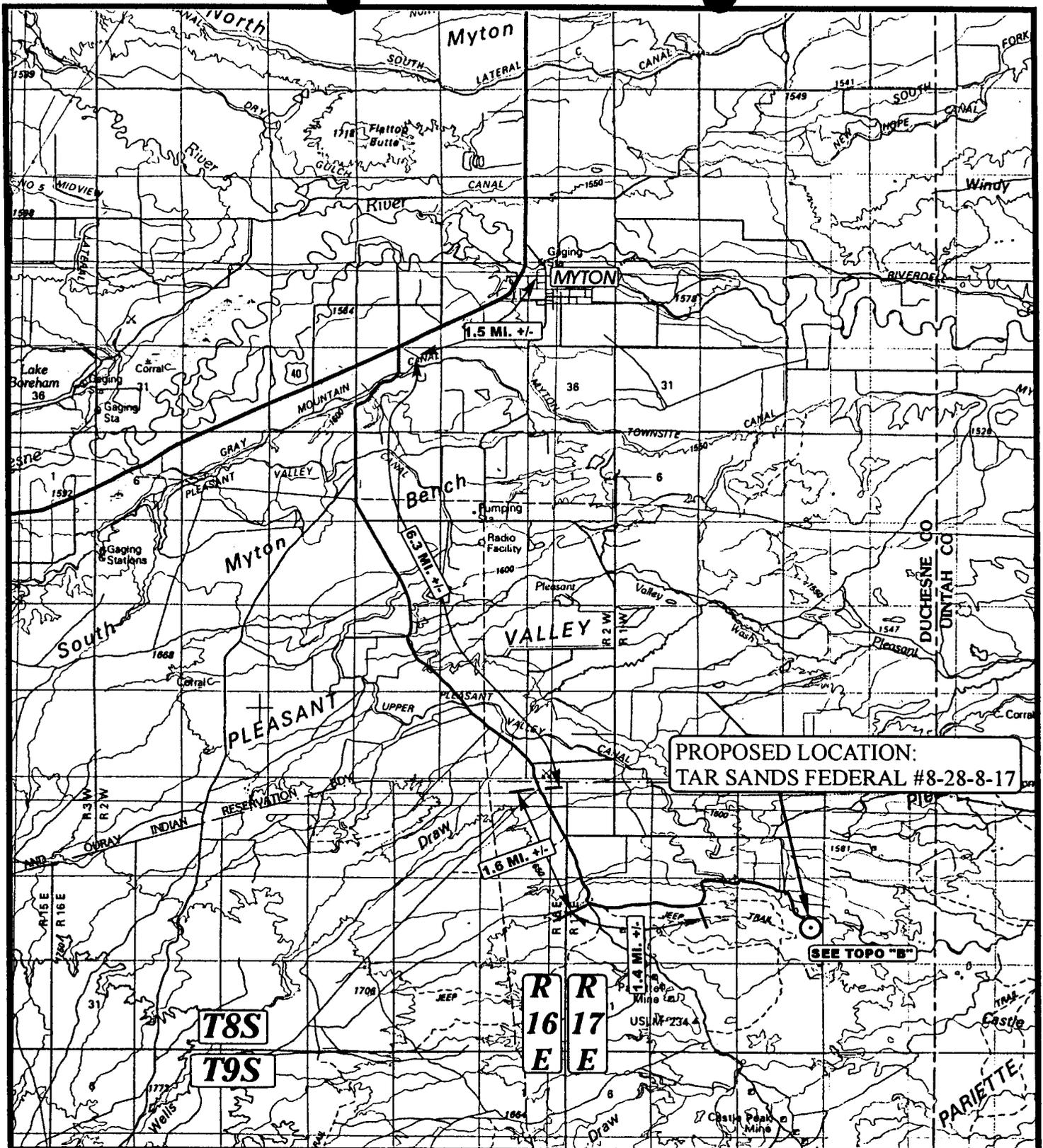
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #8-28-8-17 SE/NE Section 28, Township 8S, Range 17E: Lease U-76241 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.

\_\_\_\_\_  
3/5/98  
Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



PROPOSED LOCATION:  
TAR SANDS FEDERAL #8-28-8-17

SEE TOPO "B"

T8S

T9S

R  
16  
E

R  
17  
E

LEGEND:

⊙ PROPOSED LOCATION



INLAND PRODUCTION CO.

TAR SANDS FEDERAL #8-28-8-17  
SECTION 28, T8S, R17E, S.L.B.&M.  
1835' FNL 784' FEL



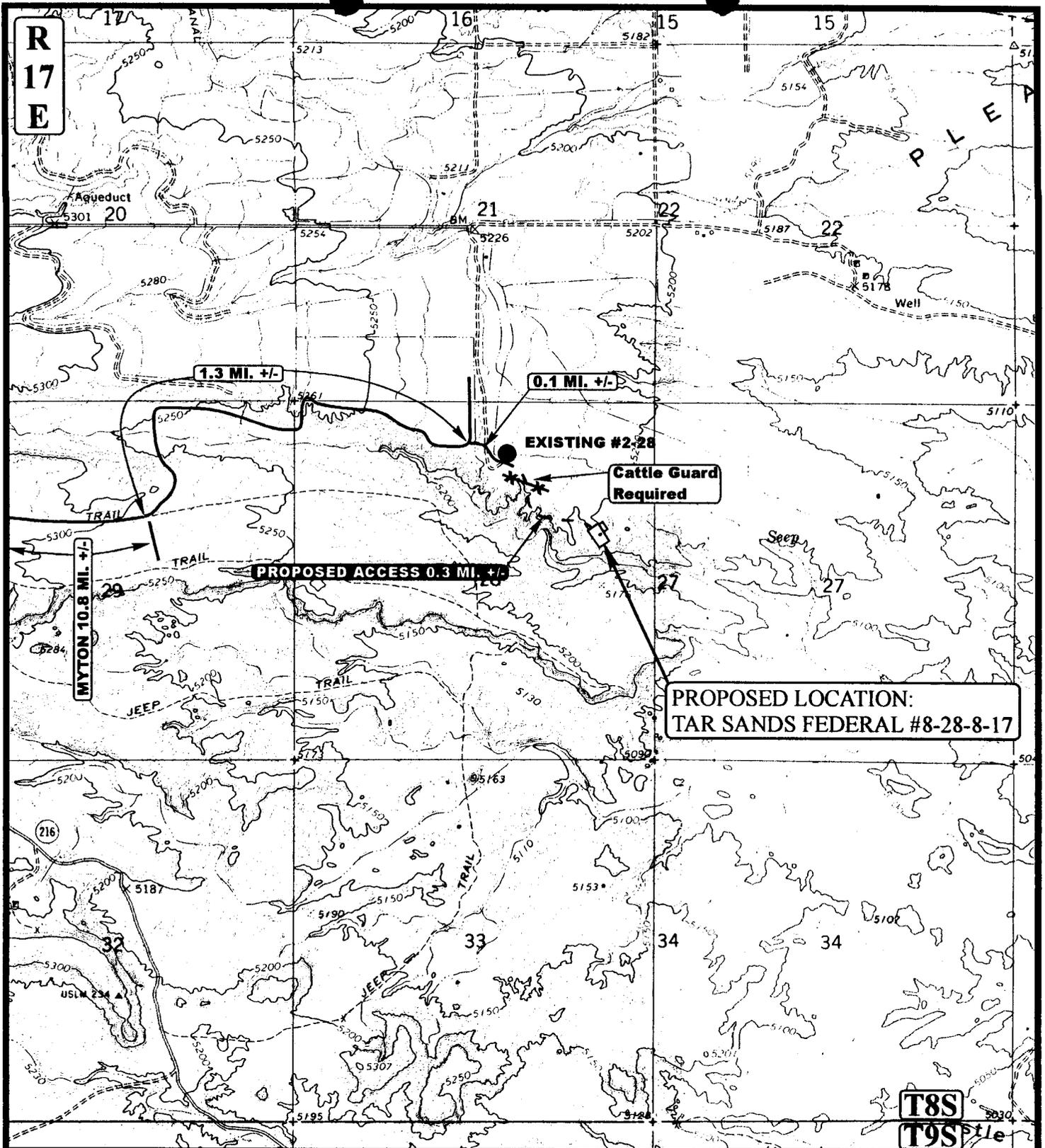
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

3	3	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.**

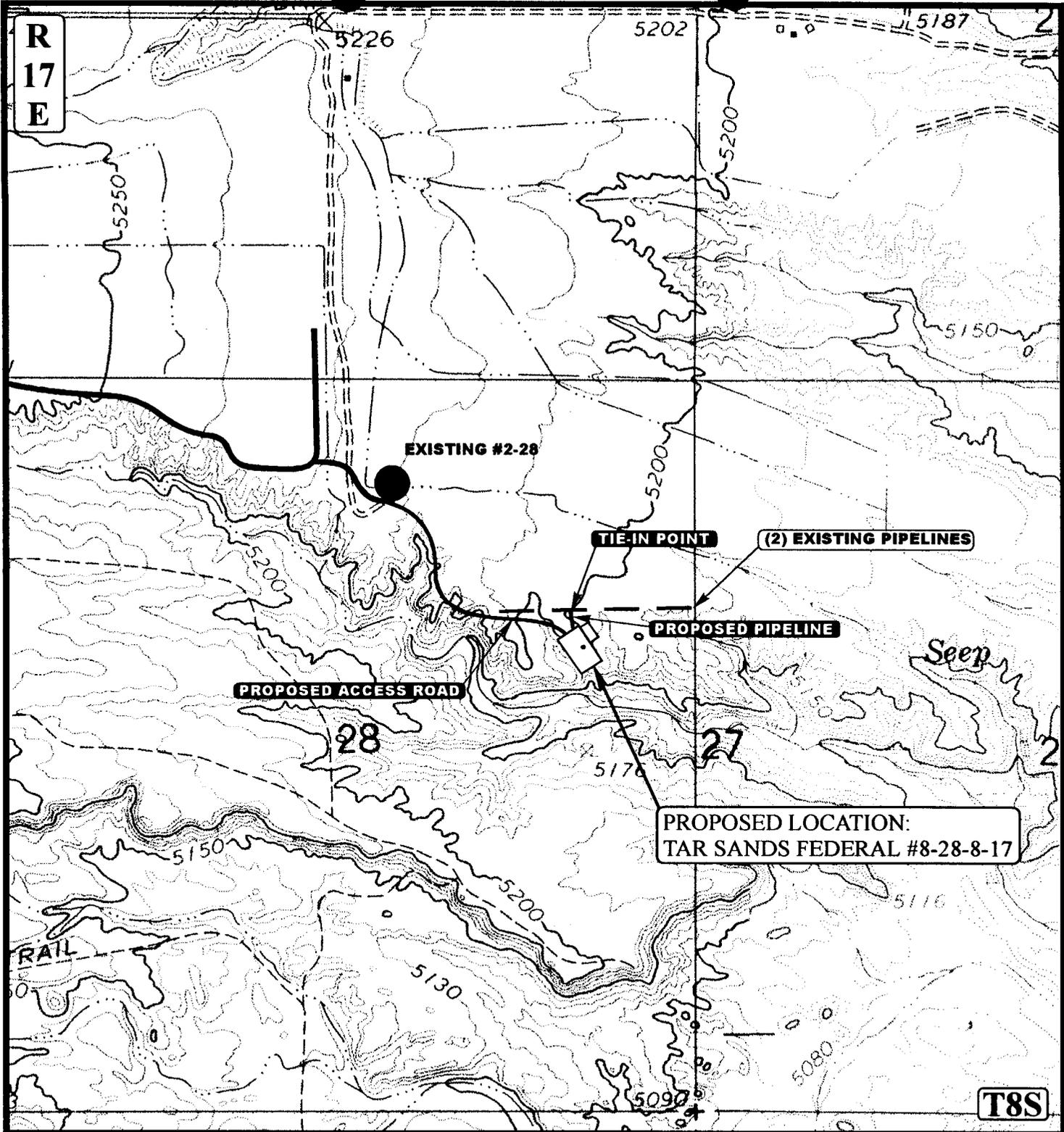
**TAR SANDS FEDERAL #8-28-8-17**  
**SECTION 28, T8S, R17E, S.L.B.&M.**  
**1835' FNL 784' FEL**



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

**TOPOGRAPHIC** **3 3 98**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 150' +/-

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

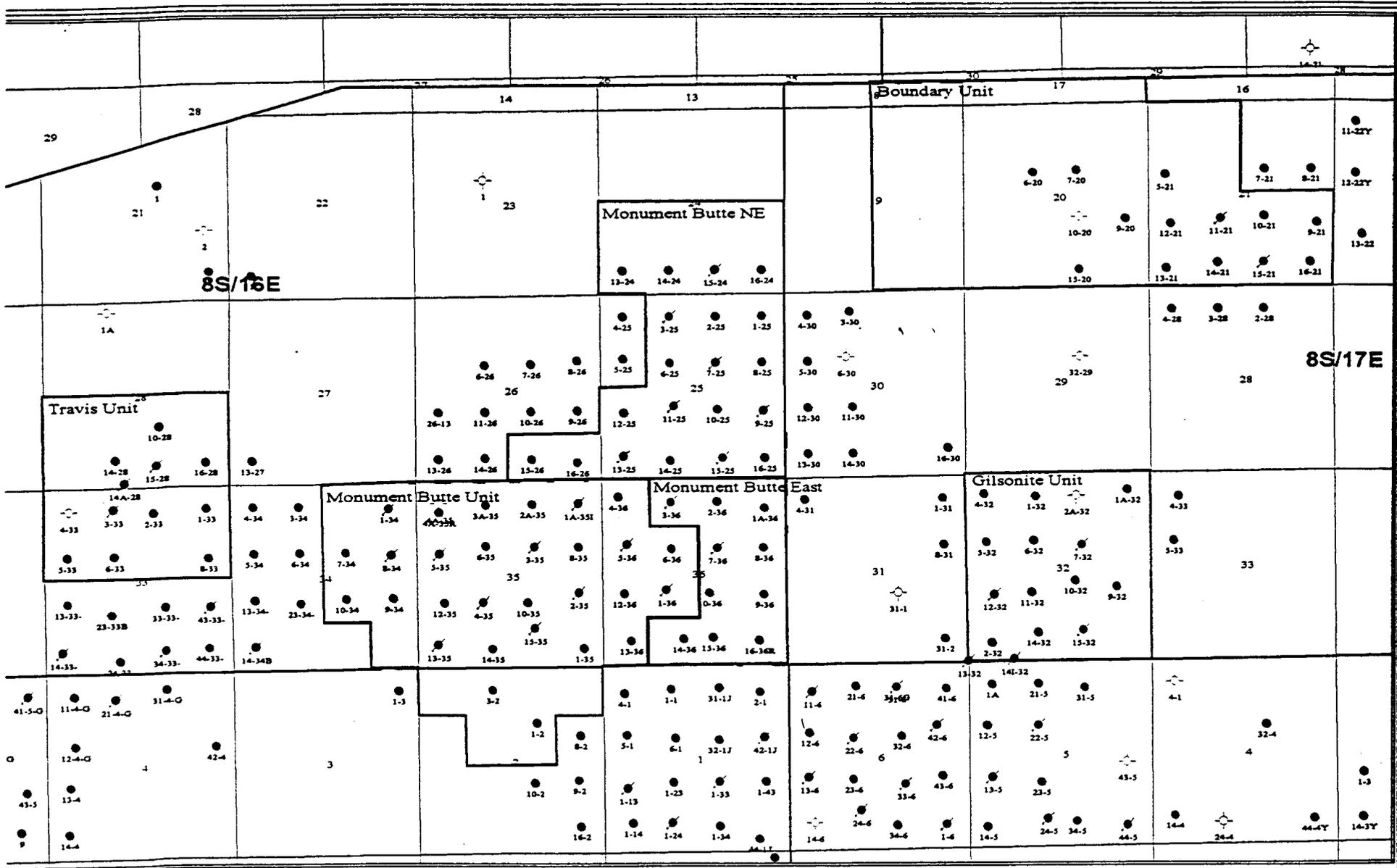


**INLAND PRODUCTION CO.**  
**TAR SANDS FEDERAL #8-28-8-17**  
**SECTION 28, T8S, R17E, S.L.B.&M.**  
**1835' FNL 784' FEL**

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

**TOPOGRAPHIC** **3** **3** **98**  
**MAP** **MONTH** **DAY** **YEAR**  
 SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00 **C**  
**TOPO**

EXHIBIT "C"



**Inland**  
ENERGY SERVICES

475 17<sup>th</sup> Street Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 292-0900

**Regional Area**

Duchene County, Utah

Date: 4/18/97 J.A.





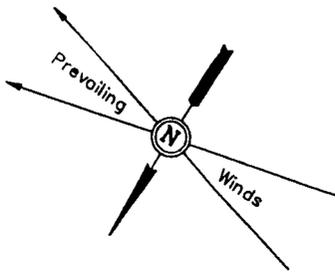
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

TAR SANDS FEDERAL #8-28-8-17

SECTION 28, T8S, R17E, S.L.B.&M.

1835' FNL 784' FEL



SCALE: 1" = 50'  
Date: 3-4-98  
Drawn By: C.B.T.

F-10.2'  
El. 184.6'

F-5.9'  
El. 188.9'

F-4.3'  
El. 190.5'

Sta. 2+90

APPROX. TOE OF FILL SLOPE

CLEARWATER UNIT AREA  
Topsoil Stockpile

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

El. 191.5'  
C-4.7'  
(Btm. Pit)

El. 195.6'  
C-0.8'

C-2.7'  
El. 197.5'

Sta. 1+45

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH/DIKE

RESERVE PIT (8' Deep)

MUD TANKS

RIG

DOG HOUSE

WATER

PUMP

MUD SHED

HOPPER

TRAILER

TOILET

FUEL

STORAGE TANK

APPROX. TOP OF CUT SLOPE

El. 198.0'  
C-11.2'  
(Btm. Pit)

El. 199.3'  
C-4.5'

POWER  
TOOLS  
FUEL

Round Corners As Needed

Sta. 0+00

El. 200.4'  
C-5.6'

C-6.9'  
El. 201.7'

El. 201.6'  
C-6.8'

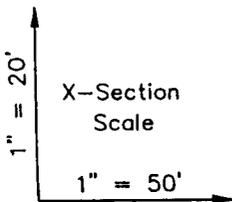
Proposed Access Road

Elev. Ungraded Ground at Location Stake = 5197.5'  
Elev. Graded Ground at Location Stake = 5194.8'

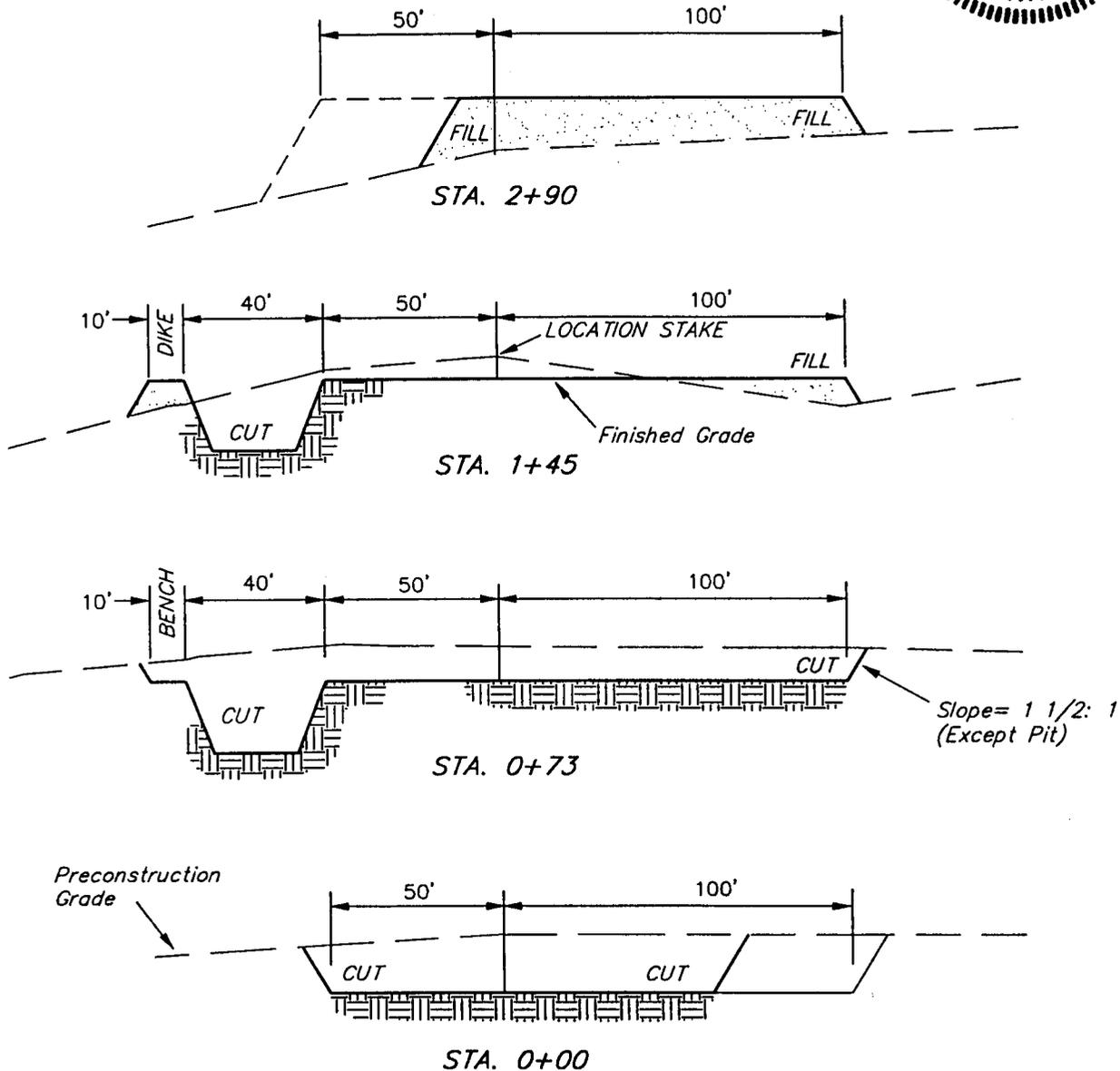
INLAND PRODUCTION CO.

TYPICAL CROSS SECTIONS FOR

TAR SANDS FEDERAL #8-28-8-17  
SECTION 28, T8S, R17E, S.L.B.&M.  
1835' FNL 784' FEL



Date: 3-4-98  
Drawn By: C.B.T.



NOTE:

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

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 870 Cu. Yds.
Remaining Location	= 4,010 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,880 CU.YDS.</b>
<b>FILL</b>	<b>= 3,490 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,210 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,200 Cu. Yds.
EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed	= 10 Cu. Yds.

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

Well No.: Tar Sands 8-28-8-17

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands 8-28-8-17

API Number:

Lease Number: UTU-76241

Location: SENE Sec. 28, T8S, R17E

**GENERAL**

Access pad from NW, off of existing two-track road.

**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.*

**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.

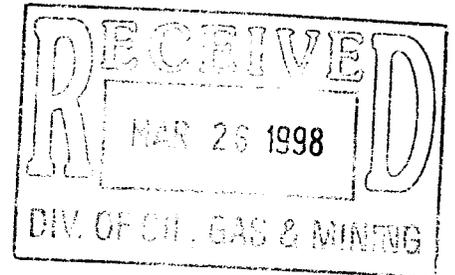
**OTHER**



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

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/26/98

API NO. ASSIGNED: 43-013-32068

WELL NAME: TAR SANDS FED 8-28-8-17  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
 CONTACT: Cheryl Cameron (435) 789-1866

PROPOSED LOCATION:  
 SENE 28 - T08S - R17E  
 SURFACE: 1835-FNL-0784-FEL  
 BOTTOM: 1835-FNL-0784-FEL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: U-76241  
 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: \_\_\_\_\_)  
N/A 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.

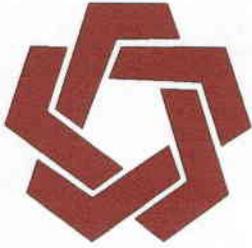
STIPULATIONS: ① FEDERAL APPROVAL

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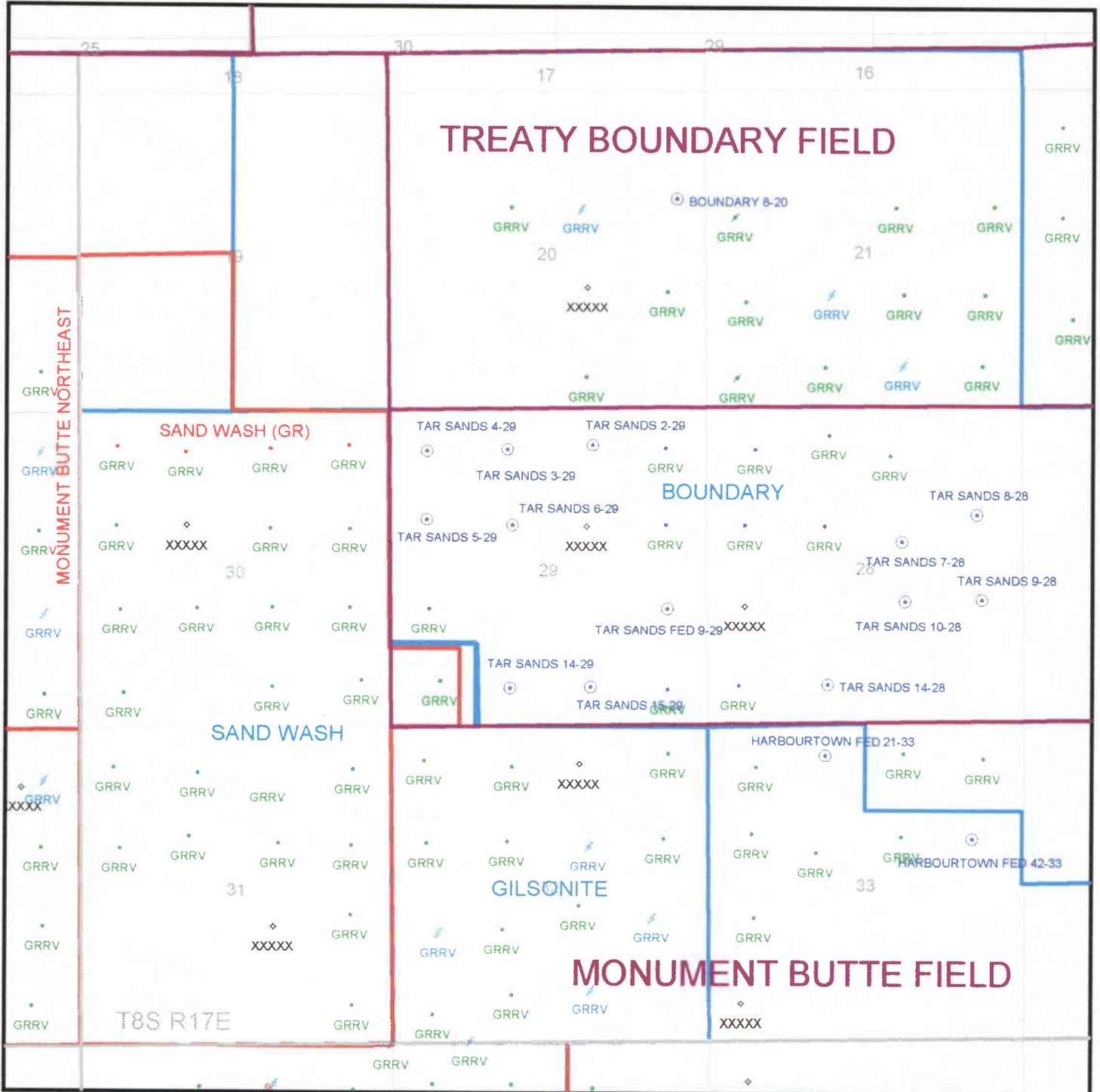
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: UNDESIGNATED (002)

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

COUNTY: DUCHESNE UAC: ~~R649-2-3~~ BOUNDARY SECONDARY N/A



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

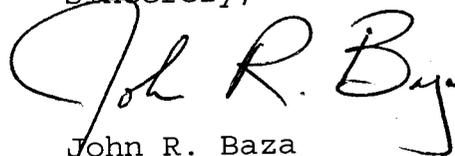
Re: Tar Sands Federal 8-28-8-17 Well, 1835' FNL, 0784' FEL, SE  
NE, Sec. 28, T. 08 S., R. 17 E., Duchesne County, Utah

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 43-013-32068.

Sincerely,

  
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 8-28-8-17  
API Number: 43-013-32068  
Lease: U-76241  
Location: SE NE 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.

DOGMA

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. U-76241

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

7. UNIT AGREEMENT NAME

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

8. FARM OR LEASE NAME Tar Sands Federal

2. NAME OF OPERATOR Inland Production Company

9. WELL NO. #8-28-8-17

3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866

10. FIELD AND POOL OR WILDCAT Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface SE/NE 1835' FNL & 784' FEL At proposed Prod. Zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T8S, R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 10.8 Miles southeast of Myton, UT

12. County Duchesne 13. STATE UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 784'

16. NO. OF ACRES IN LEASE 2520

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.

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

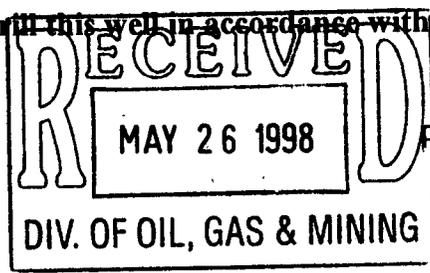
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5198.8' GR

22. APPROX. DATE WORK WILL START\* 2nd 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 3/5/98

NOTICE OF APPROVAL

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

CONDITIONS OF APPROVAL, IF ANY: APPROVED BY Howard B. Leavins TITLE Assistant Field Manager: Mineral Resources DATE 5/19/98

\*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Fed. 8-28-8-17

API Number: 43-013-32068

Lease Number: U-76241

Location: SENE Sec. 028 T. 08S 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)  
Inland Production Company - Well 8-28-8-17

**Planned Access Road**

The access road to this location crosses private land and before construction can be initiated permission must be obtained from the land owner for the access road.

**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)

needle and thread	Stipa comata	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.

The topsoil stockpile needs to be relocated from that which is shown on the Layout sheet. Relocate the topsoil stockpile so it will be up hill and well out of any drainage areas.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: INLAND PRODUCTION CO                      COMPANY REP: MIKE WARD  
WELL NAME TAR SAND FEDERAL #8-28-8-17    API NO 43-013-32068  
QTR/QTR: SE/NE    SECTION: 28                      TWP: 8S                      RANGE: 17E  
CONTRACTOR: BIG ~~AA~~ DRILLING CO                      RIG NUMBER:    #46

INSPECTOR: DENNIS L. INGRAM                      TIME: 2:14 PM                      DATE: 7/28/98  
SPUD DATE: DRY: \_\_\_\_\_    ROTARY: 7/28/98    PROJECTED T.D.: 6500'

OPERATIONS AT TIME OF VISIT: RIGGING UP DRILLING RIG--SET BOPE.

WELL SIGN: Y    MUD WEIGHT N/A    LBS/GAL    BOPE: Y  
BLOOIE LINE: N                      FLARE PIT: N                      H2S POTENTIAL:    N

ENVIRONMENTAL:

RESERVE PIT: Y    FENCED: N    LINED: N    PLASTIC: N  
RUBBER:                      BENTONITE:                      SANITATION: (2)

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: N/A.

REMARKS:

(LAST WELL WAS TSF #14-28, T.D. ON 7/27/98 AT 6000' AND RAN 5  
1/2" PRODUCTION CASING). APD IS DISPLAYED IN DOGHOUSE. LOCATION  
WAS BUILT AS STIPULATED ON APD. BOPE TESTERS ARE ON THE WAY TO  
RIG TO TEST BOPE. DRAW ON SOUTH OF LEASE.

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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-76241**

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 8-28-8-17**

9. API Well No.

**43-013-32068**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> 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)

**1835 FNL 784 FEL SE/NE Section 28, T08S R17E**

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

**TYPE OF SUBMISSION**

<input type="checkbox"/> Notice of Intent
<input checked="" type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

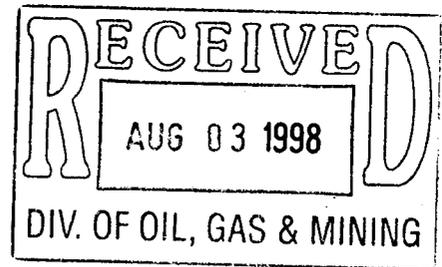
**TYPE OF ACTION**

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other <b>Surface Spud</b>	<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.)\*

RU Leon Ross. **SPUD WELL @ 10:30 AM, 7/21/98.** Drl 12-1/4" sfc hole to 305' C&C. LD DP & Bit. Run 8-5/8" GS, 7 jts of 8-5/8", 24#, J-55, ST & C csg (292'). Landed @ 292'. RU BJ Services. Pmp 20 bbls dye wtr & 20 bbl gel. Cmt w/120 sk Class G cmt w/2% CC, 2% gel & 1/4#/sk Cello Flake. Mixed @ 14.8 ppg, 1.35 cf/sk yield. (Returned 6 bbls cmt to sfc.) Drl rat & mouse hole for Big A #46. RDMOL.



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

Signed

Shannon 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**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-76241**

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 8-28-8-17**

9. API Well No.

**43-013-32068**

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)

**1835 FNL 784 FEL                      SE/NE Section 28, T08S R17E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

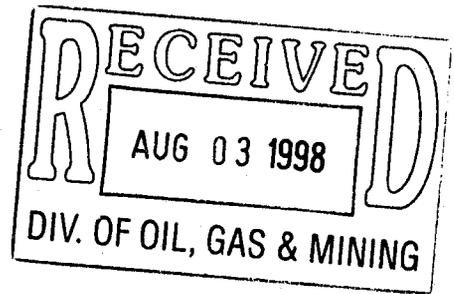
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(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 7/23/98 - 7/29/98**

MIRU. Test BOP's. Drilling flange changed out after leak on initial test. PU BHA. Drl plug, cmt & GS. Spud Rotary Rig @ 9:00 pm, 7/28/98. Drl & srvy 305' - 1072'.



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

Signed Shannon 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

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-76241**

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 8-28-8-17**

9. API Well No.  
**43-013-32068**

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)  
**1835 FNL 784 FEL                      SE/NE Section 28, T08S R17E**

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

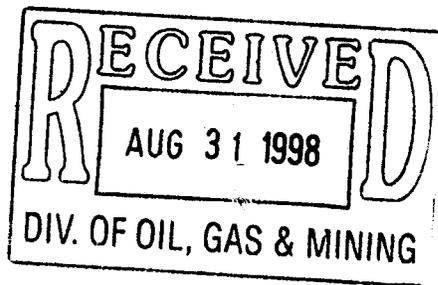
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input 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 8/13/98 - 8/20/98**

Perf A sds @ 5614-17' & 5643-46'.  
 Perf D/C sds @ 5096-99', 5174-88', 5216-19', 5258-71', 5284-90'.  
 Perf GB sd @ 4612-14', 18-26', 35-65', 71-74'.



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

Signed Shannon Smith Title Engineering Secretary Date 8/21/98

(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-76241**

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 8-28-8-17**

9. API Well No.

**43-013-32068**

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)

**1835 FNL 784 FEL                      SE/NE Section 28, T08S R17E**

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

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

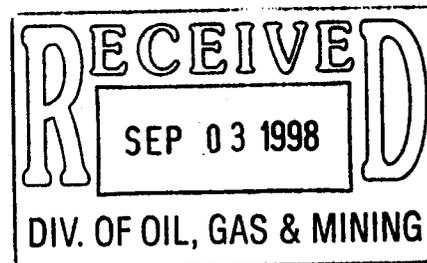
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(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 8/21/98 - 8/27/98**

Run production tbg.  
Place well on production @ 1:00 pm, 8/24/98.



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

Signed

Shawna Smith

Title

Engineering Secretary

Date

8/28/98

(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

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

OPERATOR ACCT. NO. N 5160

No. 6545 P. 2

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32068	TAR SANDS FED 8-28-8-17	SE/NE	28	08S	17E	Duchesne	7/21/98	

WELL 1 COMMENTS: Spud well on 7/21/98 @ 10:30 am w/ Leon Ross.  
entity added 9-11-98 (Greater Boundary (MR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32058	TAR SANDS FED 15-29-8-17	SW/SE	29	08S	17E	Duchesne	7/23/98	

WELL 2 COMMENTS: Spud well w/ Leon Ross on 7/23/98 @ 9:30 am.  
entity added 9-11-98 (Greater Boundary (MR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12456	43-013-32078	CASTLE DRAW 8-9-9-17	SE/NE	9	09S	17E	Duchesne	7/30/98	

WELL 3 COMMENTS: Spud well w/ Union #7 on 7/30/98 @ 12:00 pm.  
entity added 9-11-98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32059	TAR SANDS FED 14-29-8-17	SE/SW	29	08S	17E	Duchesne	8/6/98	

WELL 4 COMMENTS: Spud well w/ Leon Ross @ 11:30 am, 8/6/98  
entity added 9-11-98 (Greater Boundary (MR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12457	43-013-32075	CASTLE DRAW 6-4-9-17	SE/NW	4	09S	17E	Duchesne	8/7/98	

WELL 5 COMMENTS: Spud well w/ Union Rig #7 @ 12:15 pm, 8/7/98.  
entity added 9/11/98. KDR

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)

(308) Use COMMENT section to explain why each Action Code was selected.

Shannon Smith  
Signature

Engineering Secretary 9/9/98  
Date

Phone No. (303) 387-4441

Sep. 10, 1998 1:12PM

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		
A	99999	12458	43-013-31004	TAR SANDS FED 10-33	NW/SE	33	09S	17E	Duchesne	8/15/98	

WELL 1 COMMENTS: Spud well w/ Union Rig #7 @ 11:00 pm, 8/15/98.  
 Entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12459	43-013-32047	SOUTH WELLS DRAW 13-10-9-16	SW/SE	10	09S	16E	Duchesne	8/15/98	

WELL 2 COMMENTS: Spud well w/ Union, Rig #14 @ 12:00 am, 8/15/98.  
 Entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32060	TAR SANDS FED 6-29-8-17	SE/NW	29	09S	17E	Duchesne	8/10/98	

WELL 3 COMMENTS: Spud well w/ Leon Ross @ 2:30 pm, 8/12/98.  
 Entity added 9/11/98 (greater boundary (OR) unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12419	43-013-32004	ASHLEY FED 16-1-9-15	SE/SE	1	09S	15E	Duchesne	8/24/98	

WELL 4 COMMENTS: Spud well w/ Union #14 @ 3:00 pm, 8/24/98.  
 Ashley unit Entity added 9/11/98 (Ashley unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
	99999	12460	43-013-32083	CASTLE DRAW 15-4-9-17	SW/SE	4	09S	17E	Duchesne	8/23/98	

WELL 5 COMMENTS: Spud well w/ Union #7 @ 2:00 pm, 8/23/98.  
 Entity added 9/11/98. KDR

- 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 9/9/98  
 Title Date

Phone No

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	99999	12419	43-013-32003	Ashley Fed 15-1	SE/SE	1	09S	15E	Duchesne	9/1/98	

WELL 1 COMMENTS: Spud well @ 1:30 pm, 9/1/98 w/ Union Rig #14  
 Ashley Unit entity added 9.11.98 (Ashley Unit) KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12401	43-013-32071	CASTLE DRAW 1-9-9-17	NE/NE	9	09S	17E	Duchesne	8/31/98	

WELL 2 COMMENTS: Spud well w/ Union #7 @ 1:00 pm, 8/31/98  
 entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12402	43-013-32077	CASTLE DRAW 8-4-9-17	SE/NE	4	09S	17E	Duchesne	9/8/98	

WELL 3 COMMENTS: Spud well w/ Union #7 @ 1:00 pm, 9/8/98.  
 entity added 9/11/98. KDR

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

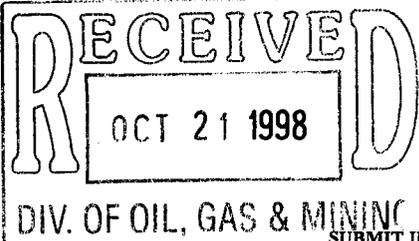
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

Shannon Smith  
 Signature

Engineering Secretary 9/9/98  
 Title Date

Phone No



FORM 3160-4  
(July 1992)

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995  
5. LEASE DESIGNATION AND SERIAL NO.  
**U-76241**

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

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

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 1b. TYPE OF WELL  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_  
 2. NAME OF OPERATOR  
**Inland Production Company**  
 3. ADDRESS AND TELEPHONE NO.  
**410 Seventeenth Street, Suite 700, Denver, CO 80202 (303) 893-0102**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface **SE/NE**  
 At top prod. Interval reported bel **1835 FNL 784 FEL**  
 7. UNIT AGREEMENT NAME  
**GREATER BOUNDARY**  
 8. FARM OR LEASE NAME, WELL NO.  
**TAR SANDS FEDERAL 8-28-8-17**  
 9. API WELL NO.  
**43-013-32068**  
 10. FIELD AND POOL OR WILDCAT  
**MONUMENT BUTTE**  
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Section 28, T08S R17E**

14. PERMIT NO. **43-013-32068** DATE ISSUED **5/19/98**  
 12. COUNTY OR PARISH **DUCHESNE** 13. STATE **UT**  
 15. DATE SPUDDED **7/21/98** 16. DATE T.D. REACHED **8/2/98**  
 17. DATE COMPL. (Ready to prod.) **8/24/98** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**5199' GL 5211' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6200'** 21. PLUG, BACK T.D., MD & TVD **6141'**  
 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY  
 \_\_\_\_\_ ROTARY TOOLS **X** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
**Green River 4612' - 6097'**  
 25. WAS DIRECTIONAL SURVEY MADE **No**  
 26. TYPE ELECTRIC AND OTHER LOGS RUN  
**10-21-98 DIGL/SP/GR/CAL, CN/CD/GR, C3L/6-R/Collars** 27. WAS WELL CORED **No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	292'	12 1/4	120 SX Class G	
5 1/2	15.5#	6186'	7 7/8	350 SX Premium Lite	
				410 SX Glass "G"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE DEPTH SET (MD) PACKER SET (MD)
					2-7/8 EOT @ 6022' TA @ 5863'

31. PERFORATION RECORD (Interval, size and number)

Interval	SPF	Holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
CP 5938-40', 5945-48', 6012-16', 6020-6036-39', 6093-97'	4 SPF	68 Holes	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
A 5614-17', 5643-46' (See #37)	4 SPF	24 Holes	5938' - 6097' 130,600# 20/40 sd in 626 bbls Viking I-25
			5614' - 5646' 119,900# 20/40 sd in 592 bbls Viking I-25

33.\* PRODUCTION

DATE FIRST PRODUCTION **8/24/98** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)  
**Pumping - 2-1/2" x 1-1/2" x 16' RHAC pump** WELL STATUS (Producing or shut-in)  
**producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave	9/1/98	N/A	→	140	172	10	1.23

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  
**Items in #26**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED **Shannon Smith** TITLE **Engineering Technician** DATE \_\_\_\_\_

(See instructions and spaces for Additional Data 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.

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 Mkr	4080'					
Garden Gulch 2	4392'					
Point 3 Mkr	4680'					
X Mkr	4899'					
Y-Mkr	4934'					
Douglas Creek Mkr	5066'					
BiCarbonate Mkr	5320'		<b>Perfs</b>			
B Limestone Mkr	5493'		D/C 5096-99', 5174-88', 5216-19', 5258-71', 5284-90'			
Castle Peak	5918'		2 SPF 78 Holes			
Basal Carbonate	NDE		5096' - 5290' 142,266# 20/40 sd in 681 bbls Viking I-25			
Total Depth	6200'					
			GB 4612-14', 4618-26', 4635-65', 4671-74'			
			2 SPF 46 Holes			
			4612' - 4674' 110,400# 20/40 sd in 526 bbls Viking I-25			



# 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**

<b>ROUTING</b>	
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:		<b>9/1/2004</b>
<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit: GREATER BOUNDARY (GR)**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
GBU 3-27-8-17	27	080S	170E	4301332224	12391	Federal	WI	A
GBU 5-27-8-17	27	080S	170E	4301332225	12391	Federal	OW	P
GBU 12-27-8-17	27	080S	170E	4301332226	12391	Federal	OW	P
GBU 1-27-8-17	27	080S	170E	4301332228	12391	Federal	OW	P
GBU 2-27-8-17	27	080S	170E	4301332229	12391	Federal	OW	P
GBU 4-27-8-17	27	080S	170E	4301332230	12391	Federal	OW	P
GBU 6-27-8-17	27	080S	170E	4301332231	12391	Federal	OW	P
GBU 7-27-8-17	27	080S	170E	4301332232	12391	Federal	OW	P
GBU 8-27-8-17	27	080S	170E	4301332233	12391	Federal	OW	P
GBU 9-27-8-17	27	080S	170E	4301332234	12391	Federal	OW	P
GBU 10-27-8-17	27	080S	170E	4301332235	12391	Federal	OW	P
GBU 11-27-8-17	27	080S	170E	4301332243	12391	Federal	OW	P
GBU 13-27-8-17	27	080S	170E	4301332244	12391	Federal	OW	P
GBU 14-27-8-17	27	080S	170E	4301332245	12391	Federal	OW	P
TAR SANDS FED 9-28-8-17	28	080S	170E	4301332067	12391	Federal	WI	A
TAR SANDS FED 8-28-8-17	28	080S	170E	4301332068	12391	Federal	OW	P
TAR SANDS FED 7-28-8-17	28	080S	170E	4301332069	12391	Federal	WI	A
TAR SANDS FED 15-28-8-17	28	080S	170E	4301332109	12391	Federal	WI	A
TAR SANDS FED 16-28-8-17	28	080S	170E	4301332111	12391	Federal	OW	P
GREATER BOUNDARY 11-28-8-17	28	080S	170E	4301332134	12391	Federal	WI	A

**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 13 2010**

Ref: 8P-W-GW

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

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

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

RE: Additional Well: Boundary Area Permit  
UIC Permit No. UT20702-00000  
Well ID: UT20702-08863  
Tar Sands Federal 8-28-8-17  
SENE Sec. 28-T~~S~~<sup>S</sup>-R17E  
Duchesne County, Utah  
API #43-013-32068

Dear Mr. Sundberg:

Newfield Production Company's (Newfield) request to convert the former Green River Formation oil well Tar Sands Federal 8-28-8-17 to an enhanced recovery injection well under the Boundary Area Permit is hereby authorized by the Environmental Protection Agency (EPA), Region 8, under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of Boundary Area Permit No. UT20702-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 4,392 feet and the top of Wasatch Formation, estimated at 6,473 feet.

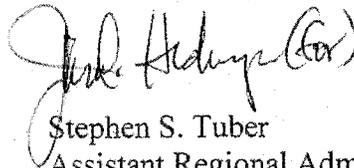
**RECEIVED**  
**SEP 22 2010**  
**DIV. OF OIL, GAS & MINING**

Prior to receiving authorization to inject into Tar Sands Federal 8-28-8-17, EPA requires Newfield submit for review and approval the results of a Part I (Internal) mechanical integrity test (MIT), a pore pressure calculation of the injection interval and an EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram. Once these requirements have been approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days during which time a Radioactive Traced Survey (RTS) is required.

The Maximum Allowable Injection Pressure (MAIP) for Tar Sands Federal 8-28-8-17 was determined to be 1,430 psig. UIC Area Permit UT20702-00000 also provides the opportunity for the Permittee to request a change in the MAIP based upon results of a Step-Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

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

Sincerely,



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

Encl: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
EPA Form No. 7520-13 (Plugging Record)  
Proposed Conversion Schematic: Tar Sands Federal 8-28-8-17  
Proposed P&A Schematic: Tar Sands Federal 8-28-8-17

cc: Permit Letter:  
Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Frances Poowegup, Vice-Chairwoman  
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 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:

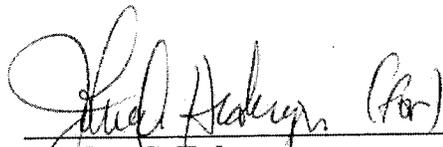
Well Name:	Tar Sands Federal 8-28-8-17
EPA Permit ID Number:	UT20702-08863
Location:	1835' FNL & 784' FEL SENE Sec. 28-T8S-R17E Duchesne County, Utah API #43-013-32068

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: 9/13/10

  
 \_\_\_\_\_  
**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 8-28-8-17  
EPA Well ID Number: UT20702-08863

### 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 for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. A successful RTS will be considered valid at injection pressures up to the MAIP until one of the following events occurs, at which time a subsequent RTS is required:

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

**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 4,392 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,473 ft.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,430 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * D, \text{ where} \\ \text{FG} &= 0.75 \text{ psi/ft} \quad \text{SG} = 1.015 \quad D = 4,612 \text{ ft. (top perforation depth KB)} \\ \text{Initial MAIP} &= 1,430 \text{ psig} \end{aligned}$$

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). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. 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 every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** 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 3,202 ft. to 3,362 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 160-foot balanced cement plug inside the 5-1/2" casing from approximately 3,202 ft. to 3,362 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 1,744 ft., from approximately 1,684 ft. to 1,804 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 1,684 ft. to 1,804 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 344 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 8-28-8-17  
EPA Well ID Number: UT20702-08863

**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 199 ft. below ground surface in the Tar Sands Federal 8-28-8-17 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://nrwt1.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 8,356 mg/l on February 16, 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 8-28-8-17 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 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 Confining Zone, which directly overlies the Garden Gulch Member No. 2, of the Green River Formation, is approximately 90 ft. of shale between the depths of 4,302 ft. and 4,392 ft.

**Injection Zone:** The Injection Zone at this well location is approximately 2,081 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member No. 2 at 4,392 ft. to the top of the Wasatch Formation which is estimated to be at 6,473 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 not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone (4,302 ft. to 4,392 ft.). Therefore, 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 294 ft. in a 12-1/4" hole, using 120 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 6,186 ft. in a 7-7/8" hole secured with 760 sacks of cement. Total driller depth is 6,200 ft. Plugged back total depth is 6,138 ft. CBL top of cement is 270 ft.

**Perforations:** Top perforation: 4,612 ft. Bottom perforation: 6,097 ft.

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

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

The following seven (7) wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Allen Federal 32-6-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs. No Corrective Action is required.

Greater Boundary 1-28-8-17. UT20702-06276. NENE Sec. 28-T8S-R17E.  
API: 43-013-32318. CBL identifies 80% cement bond within "B" Shale Confining Zone. An EPA-approved Radioactive Tracer Survey (RTS) was run on February 26, 2010.

GB II Federal F-27-8-17. NWNW Sec. 27-T8S-R17E. Bottom hole location (BHL). API: 43-013-34092. CBL identifies 79 ft. of 80% cement bond in "B" Shale Confining Zone.

Greater Boundary 5-27-8-17. UT20702-06417. SWNW Sec. 27-T8S-R17E.  
API: 43-013-32225. Although CBL does not identify 80% cement bond in the "B" Shale Confining Zone, confinement of injectate is verified by an EPA-approved RTS dated December 12, 2005.

Greater Boundary L-28-8-17. SWSENE Sec. 28-T8S-R17E. (BHL).  
API: 43-013-34096. CBL identifies 80% cement bond across "B" shale Confining Zone.

Tar Sands Federal 7-28-8-17. UT20702-04519. SWNE Sec. 28-T8S-R17E.  
API: 43-013-32069. Although CBL does not identify 80% cement bond in the "B" Shale  
Confining Zone, confinement of injectate is verified by an EPA-approved RTS dated March 3,  
2010.

Tar Sands Federal 9-28-8-17. UT20702-04511. NESE Sec. 28-T8S-R17E.  
API: 43-013-32067. Although CBL does not identify 80% cement bond in the "B" Shale  
Confining Zone, confinement of injectate is verified by an EPA-approved RTS dated June 16,  
2006.

Greater Boundary II K-28-8-17. SESENE Sec. 28-T8S-R17E. (BHL).  
API: 43-013-33815. CBL identifies 80% cement bond across "B" Shale Confining Zone.

## **REPORTING REQUIREMENTS**

### **Reporting of Noncompliance:**

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

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

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

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

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

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

# UT20702-08863

## Tar Sands Federal 8-28-8-17

Spud Date: 7/21/98

Put on Production: 8/24/98

GL: 5199' KB: 5211'

**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (293.10')

DEPTH LANDED: 293 90' GL

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Class G, est. 6 bbls cmt to pit

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 146 jts (6175.20')

DEPTH LANDED: 6186.45' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Premium Lite mixed & 410 sxs Class G

CEMENT TOP AT: 700'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50

NO. OF JOINTS: 188 jts (5929.88')

TUBING ANCHOR: 5832.68' KB

NO. OF JOINTS: 2 jts (62.02')

SEATING NIPPLE: 2-7/8" (1 10')

SN LANDED AT: 5895.8' KB

NO. OF JOINTS: 1 jts (31.01')

NO. OF JOINTS: 3 jts (93.03')

TOTAL STRING LENGTH: EOT @ 6026.44' KB

**Proposed Injection Wellbore Diagram**

Casing Shoe @ 294'

Cement Top @ 700'

294'

*Green River 1744'*

*Trough 3252'-3293'*  
*Madogony Bench 3295'-3312'*

*ACE 3880'-4080'*

*Garden Gulch 4080'*

*Garden Gulch 2: 4392'*

*80% Bond { 4210'-4460'*  
*4428'-4462'*  
*4612'-4150*

*"A" hole 4188'-4274'*  
*"B" CE 4302'-4392'*

**FRAC JOB**

08/12/98	5938'-6097'	Frac CP sand as follows: 130,600# 20/40 sand in 626 bbl Viking I-25 fluid. Treated @ avg press of 1520 w/avg rate of 32.3 bpm. ISIP 1920 psi. Calc flush: 5936 gal. Actual flush: 5838 gal
08/14/98	5614'-5646'	Frac A sand as follows: 119,900# of 20/40 sand in 592 bbls Viking I-25 fluid. Treated @ avg press of 1700 psi w/avg rate of 28.4 bpm. ISIP 1800 psi. Calc flush: 5612 gal. Actual flush: 5502 gal
08/17/98	5096'-5290'	Frac D/C sand as follows: 142,000# of 20/40 sand in 681 bbls Viking I-25 fluid. Treated @ avg press of 1855 psi w/avg rate of 37.4 bpm. ISIP: 3780 psi. Screened out
08/19/98	4612'-4674'	Frac GB sand as follows: 110,400# of 20/40 sand in 526 bbls Viking I-25 fluid. Treated @ avg press of 1200 psi w/avg rate of 28.2 bpm. ISIP 1880 psi. Calc flush: 4610 gal. Actual flush: 4494 gal.

08/17/00	Stuck pump.
03/09/01	Pump change
04/04/01	Stuck pump
06/04/01	Stuck pump
08/02/01	Pump change. Update rod & tubing details
12/17/01	Pump change. Update pump and PBTD data.
08/07/02	Pump change. Update rod and tubing details.
01/31/03	Pump change. Update pump details
02/28/05	Pump change. Update rod detail
09/22/06	Tubing Leak. Updated tuning and rod detail.
04/13/07	Pump Change: Updated rod and tubing detail.
9-26-08	Pump Change: Updated rod & tubing details

Packer @ 4562'

4612'-4614'  
4618'-4626'  
4635'-4665'  
4671'-4674'  
5096'-5099'  
5174'-5188'  
5216'-5219'  
5258'-5271'  
5284'-5290'

5614'-5617'  
5643'-5646'

5938'-5940'  
5945'-5948'  
6012'-6016'  
6020'-6028'

6036'-6039'  
Top of Fill @ 6074'  
6093'-6097'  
PBTD @ 6138'  
SHOE @ 6186'  
TD @ 6200'

*Est. West Carbonate 6348*  
*Est. W 262 kb 6475*

**PERFORATION RECORD**

8/11/98	6093'-6097'	4 JSPF	16 holes
8/11/98	6036'-6039'	4 JSPF	12 holes
8/11/98	6020'-6028'	4 JSPF	32 holes
8/11/98	6012'-6016'	4 JSPF	16 holes
8/11/98	5945'-5948'	4 JSPF	12 holes
8/11/98	5938'-5940'	4 JSPF	8 holes
8/13/98	5643'-5646'	4 JSPF	12 holes
8/13/98	5614'-5617'	4 JSPF	12 holes
8/14/98	5284'-5290'	2 JSPF	12 holes
8/14/98	5258'-5271'	2 JSPF	24 holes
8/14/98	5216'-5219'	2 JSPF	6 holes
8/14/98	5174'-5188'	2 JSPF	28 holes
8/14/98	5096'-5099'	2 JSPF	6 holes
8/18/98	4671'-4674'	2 JSPF	6 holes
8/18/98	4635'-4665'	2 JSPF	60 holes
8/18/98	4618'-4626'	2 JSPF	16 holes
8/18/98	4612'-4614'	2 JSPF	4 holes

**NEWFIELD**

**Tar Sands Federal 8-28-8-17**

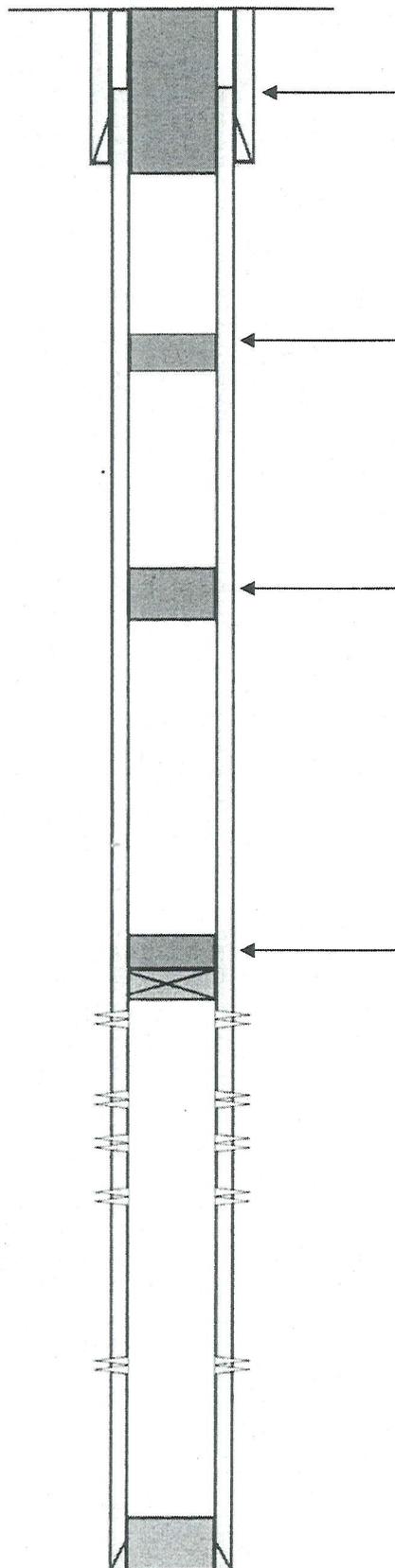
1835 FNL & 784 FEL

SENE Section 28-T8S-R17H

Duchesne Co, Utah

API #43-013-32068, Lease #UTU-76241

## Plugging and Abandonment Diagram Tar Sands Federal 8-28-8-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 344 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, 1,684 feet - 1,804 feet, unless existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot balanced cement plug inside the casing from approximately 1,684 feet - 1,804 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and Mahogany Bench from approximately 3,202 feet - 3,362 feet unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 160-foot balanced cement plug inside of the casing approximately 3,202 feet - 3,362 feet.

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

**PLUGGING RECORD**

NAME AND ADDRESS OF PERMITTEE

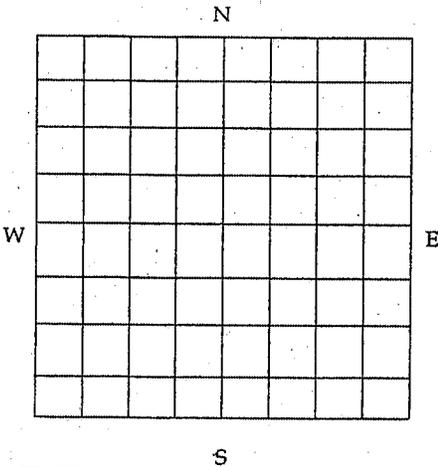
NAME AND ADDRESS OF CEMENTING COMPANY

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

STATE

COUNTY

PERMIT NUMBER



SURFACE LOCATION DESCRIPTION

1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface

Location ft. from (N/S) Line of quarter section

and ft. from (E/W) Line of quarter section

TYPE OF AUTHORIZATION

- Individual Permit
- Area Permit
- Rule

Number of Wells

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

Lease Name

CASING AND TUBING RECORD AFTER PLUGGING

METHOD OF EMPLACEMENT OF CEMENT PLUGS

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE

- CLASS I
  - The Balance Method
- CLASS II
  - The Dump Bailer Method
  - Brine Disposal
  - The Two-Plug Method
  - Enhanced Recovery
  - Other
- CLASS III
  - Hydrocarbon Storage

CEMENTING TO PLUG AND ABANDONED DATA

PLUG #1 PLUG #2 PLUG #3 PLUG #4 PLUG #5 PLUG #6 PLUG #7

Size of Hole or Pipe in which Plug Will Be Placed (inches)							
Depth to Bottom of Tubing or Drill Pipe (ft.)							
Sacks of Cement To Be Used (each plug)							
Slurry Volume To Be Pumped (cu. ft.)							
Calculated Top of Plug (ft.)							
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type cement or other material (Class III)							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From	To	From	To

Signature of Cementer or Authorized Representative

Signature of EPA Representative

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED



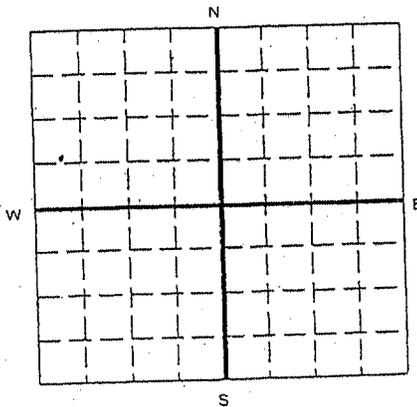
United States Environmental Protection Agency  
Washington, DC 20460

### WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State	County	Permit Number
Surface Location Description ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____		
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.		
WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name	Total Depth Before Rework  Total Depth After Rework  Date Rework Commenced  Date Rework Completed	TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells ____  Well Number

#### WELL CASING RECORD -- BEFORE REWORK

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

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

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

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

#### WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

#### Certification

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

Name and Official Title (Please type or print)

Signature

Date Signed

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-76241	
<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 8-28-8-17	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013320680000	
<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> 1835 FNL 0784 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 28 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/29/2011  <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 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 12:00 PM on 06/29/2011. EPA # UT20702-08863			
<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> 7/11/2011		

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-76241

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
TAR SANDS FED 8-28-8-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301332068

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

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1835 FNL 784 FEL COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE, 28, 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: 05/11/2011	<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 05/03/2011.

On 05/03/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/11/2011 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08863 API# 43-013-32068

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 05/17/2011

(This space for State use only)

**RECEIVED**  
**MAY 19 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-76241

6. If Indian, Allottee or Tribe Name.

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

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

8. Well Name and No.  
TAR SANDS FED 8-28-8-17

9. API Well No.  
4301332068

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

11. County or Parish, State  
DUCHESNE, UT

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)  
1835 FNL 784 FEL  
SENE Section 28 T8S R17E

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

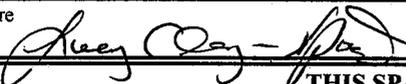
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<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 05/03/2011.

On 05/03/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/11/2011 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20702-08863 API# 43-013-32068

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Water Services Technician
Signature 	Date 05/17/2011

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

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

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

(Instructions on page 2)

**RECEIVED**

**MAY 19 2011**

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

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 5 / 11 / 2011  
 Test conducted by: DAVE CLAWARD  
 Others present: \_\_\_\_\_

Well Name: <u>8-28-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>TAR SANDS FEDERAL</u>		
Location: <u>SE/NE</u> Sec: <u>28</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W County: <u>Duchesne</u> State: <u>Utah</u>		
Operator: <u>NEWFIELD PRODUCTION CO.</u>		
Last MIT: _____ / _____ / _____		Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

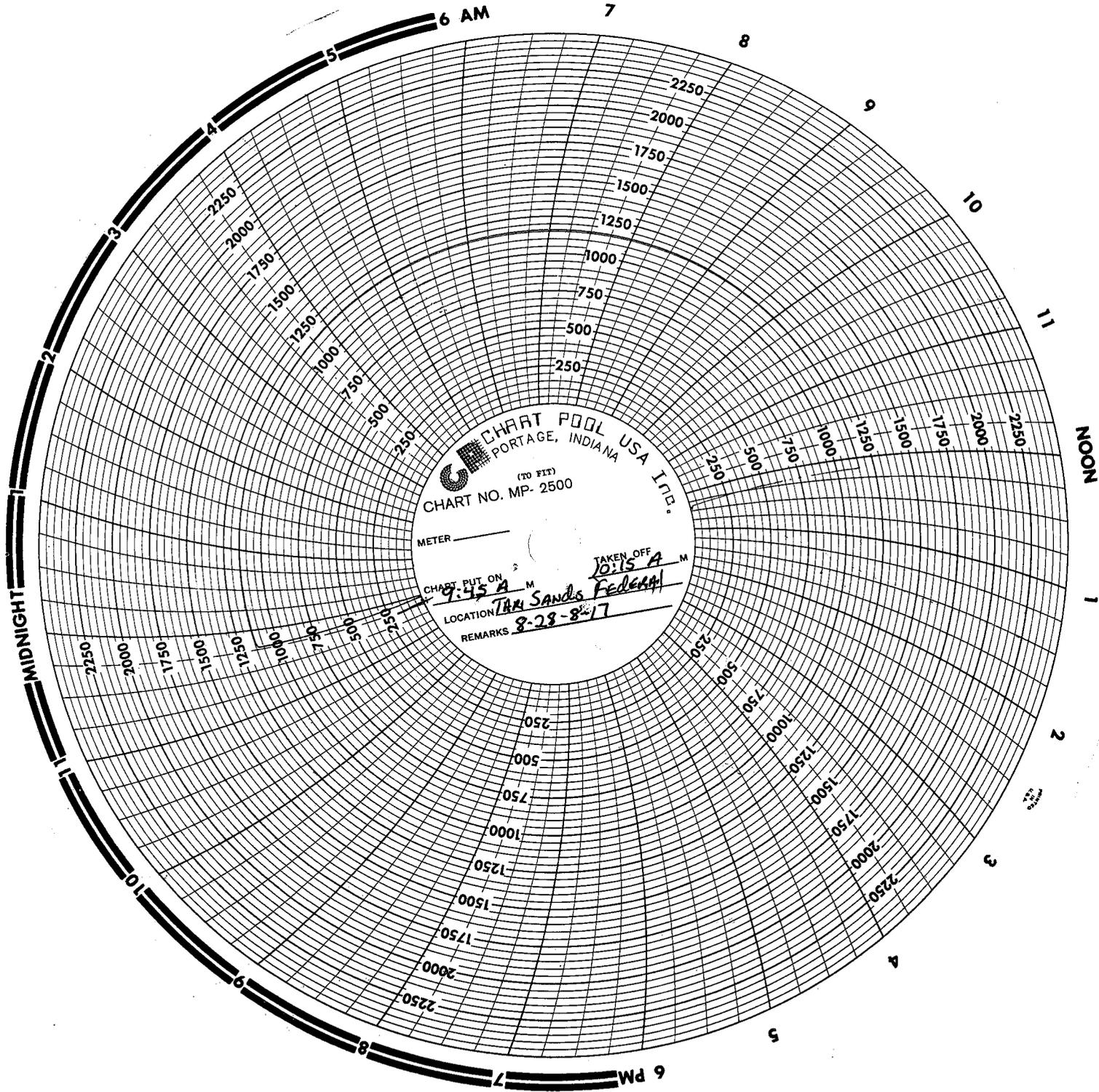
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1150</u> psig	psig	psig
5 minutes	<u>1150</u> psig	psig	psig
10 minutes	<u>1150</u> psig	psig	psig
15 minutes	<u>1150</u> psig	psig	psig
20 minutes	<u>1150</u> psig	psig	psig
25 minutes	<u>1150</u> psig	psig	psig
30 minutes	<u>1150</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



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

METER \_\_\_\_\_

CHART PUT ON 7:45 A M

TAKEN OFF 10:15 A M

LOCATION TAM SANDS FEDERAL

REMARKS 8-28-87

**Daily Activity Report**

Format For Sundry

**TAR SANDS 8-28-8-17****3/1/2011 To 7/30/2011****5/2/2011 Day: 1****Conversion**

Nabors #1460 on 5/2/2011 - MIRU Nabors 1460. Flush rods. LD rod string. ND WH. NU BOP. PU & RIH w/ 3 jts tbg. Tag PBDT @ 6118'. LD 3 jts tbg. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 88 jts. SIFN. - MIRU Nabor 12460. RU HO trk to annulus & pump 70 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 40 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH (40 BW). ND wellhead & release TA. NU BOP. Talley, PU & RIH w/ 3 jts of tbg. Tagged PBDT @ 6118'. LD 3 jts of tbg. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 88 jts. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$748

---

**5/3/2011 Day: 2****Conversion**

Nabors #1460 on 5/3/2011 - Continue TOH w/ tbg. LD extra tbg. TIH w/ pkr. Pressure test tbg. Fish SV. Pump pkr fluid. Set pkr. NU WH. Pressure test annulus. RDMOSU. Ready for MIT. - Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 41 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 147 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 5 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 72 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4565', CE @ 4568.87' & EOT @ 4573.05'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. RDMOSU. Ready for MIT.

**Daily Cost:** \$0**Cumulative Cost:** \$10,027

---

**5/12/2011 Day: 3****Conversion**

Rigless on 5/12/2011 - MIT on well - On 5/3/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Tar Sands 8-28-8-17). On 5/11/2011 the csg was pressured to 1150 psi and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psi durring the test. There was not an EPA representative available to witness the test. Final Report! EPA# UT20702-08863 API#43-013-32068 **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$87,637

---

**Pertinent Files: Go to File List**



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**MAY 26 2011**

Ref: 8P-W-GW

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

**RECEIVED**

**JUN 02 2011**

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

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

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

RE: Underground Injection Control (UIC)  
Limited Authorization to Inject  
EPA UIC Permit UT20702-08863  
Well: Tar Sands Federal 8-28-8-17  
SENE Sec. 28, T8S-R17E  
Duchesne County, Utah  
API No.: 43-013-32068

**FOR RECORD ONLY**

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) May 17, 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 EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20702-08863.

As of the date of this letter, Newfield is authorized to commence injection into the Tar Sands Federal 8-28-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,430 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20702-08863. If Newfield seeks a higher MAIP than 1,430 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20702-08863.

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

Sincerely,



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

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

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company  
Deunver, CO

FOR RECORD ONLY  
Oil, Gas and Mining  
Utah Division of  
Energy and Minerals  
Department

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-76241
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> TAR SANDS FED 8-28-8-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1835 FNL 0784 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 28 Township: 08.0S Range: 17.0E Meridian: S	<b>9. API NUMBER:</b> 43013320680000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/7/2016	<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 style="width: 100px;" 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 04/07/2016 the casing was pressured up to 1509 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1201 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08863

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 11, 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> 4/8/2016	

## 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: 4/17/2016  
 Test conducted by: Dustin Bennett  
 Others present: \_\_\_\_\_

Well Name: <u>Tar Sands Federal 8-28-8-17</u> Type: ER SWD		Status: AC TA UC	
Field: <u>Monument B.ite</u>			
Location: <u>SE1/4 Sec: 28 T 6 N 18 R 17 E</u> County: <u>Duchesne</u> State: <u>UT</u>			
Operator: <u>Newfield Exploration</u>			
Last MIT: <u>1/1</u>		Maximum Allowable Pressure: <u>1510</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: 1507 / 1201 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1201</u> psig	psig	psig
End of test pressure	<u>1201</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1507</u> psig	psig	psig
5 minutes	<u>1508</u> psig	psig	psig
10 minutes	<u>1508</u> psig	psig	psig
15 minutes	<u>1509</u> psig	psig	psig
20 minutes	<u>1509</u> psig	psig	psig
25 minutes	<u>1509</u> psig	psig	psig
30 minutes	<u>1509</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

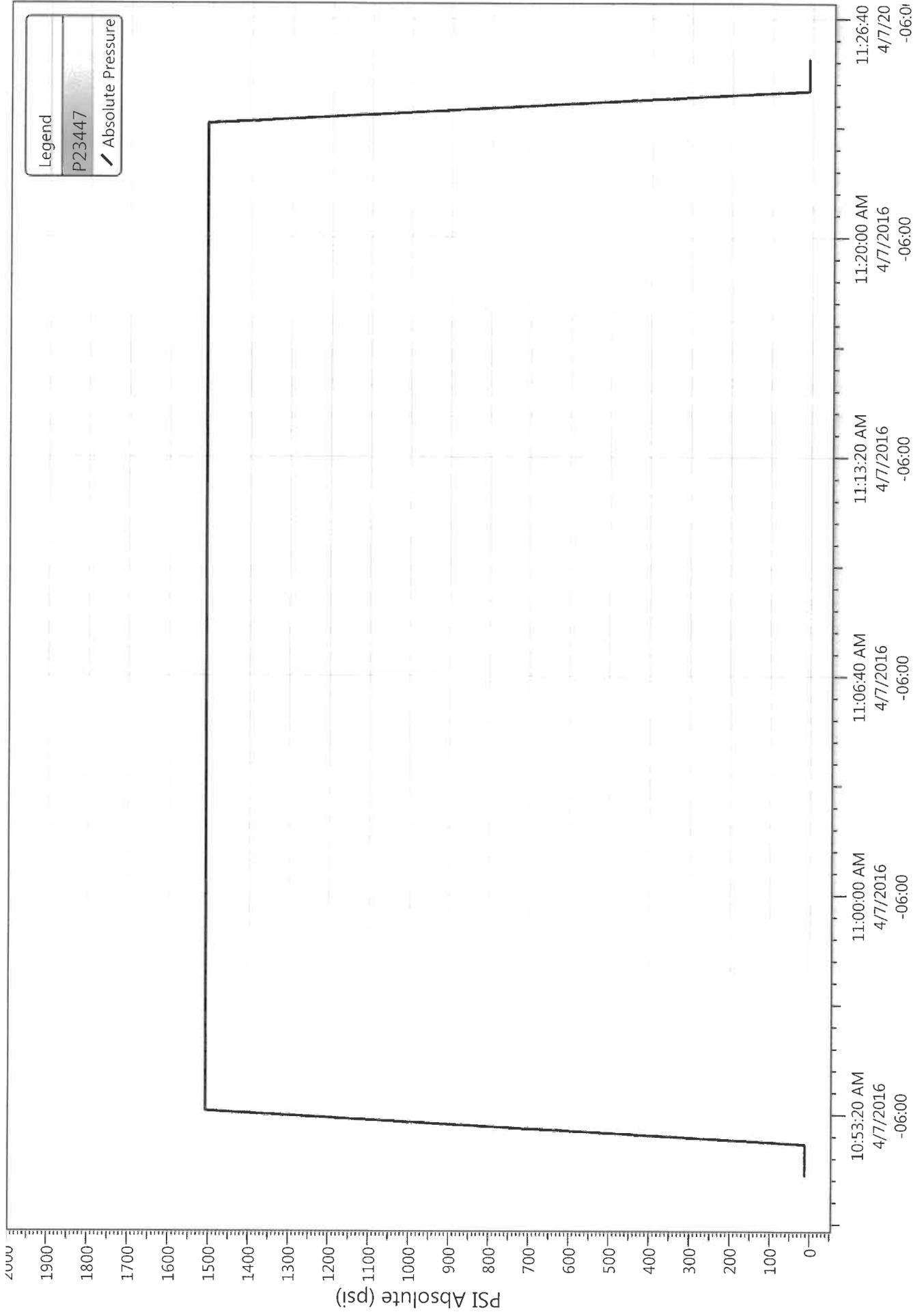
Does the annulus pressure build back up after the test?  Yes  No

### 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 8 28 8-17 (5 yr MIT 4 7 2016)  
4/7/2016 10:50:22 AM



Spud Date: 7/21/98  
 Put on Production: 8/24/98  
 GL: 5199' KB: 5211'

# Tar Sands Federal 8-28-8-17

Initial Production: 140 BOPD  
 172 MCTPD, 10 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (293.10')  
 DEPTH LANDED: 293.90' GI  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sss Class G, est 6 bbls cement to pit

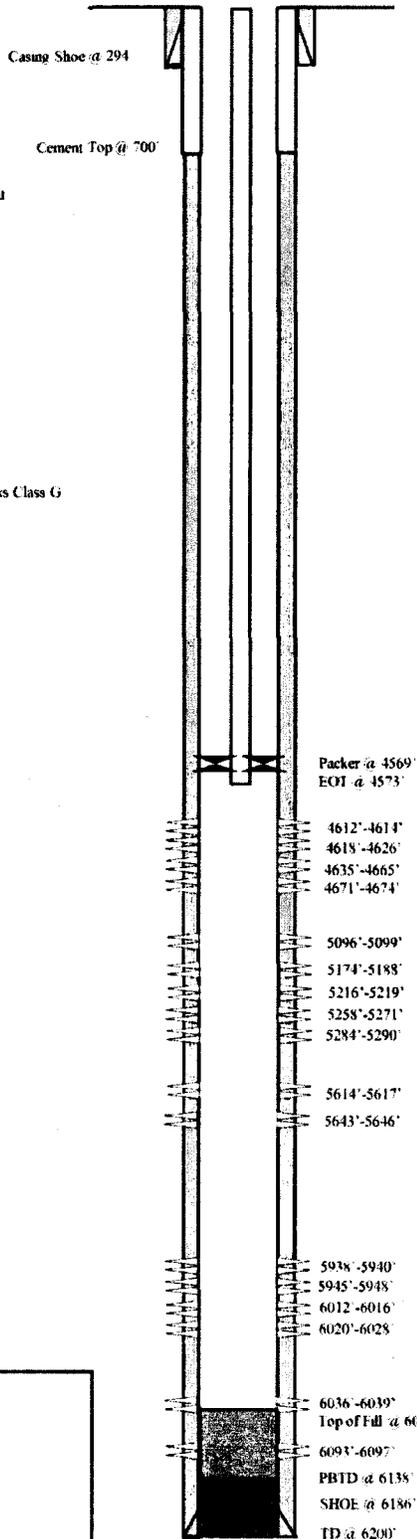
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts (6175.20')  
 DEPTH LANDED: 6186.45' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sss Premium Iite mixed & 410 sss Class G  
 CEMENT TOP AT: 700'

## TUBING

SIZE: GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 147 jts (4552.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4564.6' KB  
 CE @ 4568.87'  
 TOTAL STRING LENGTH: EOT @ 4573' KB

## Injection Wellbore Diagram



## FRAC JOB

08/12/98 5938'-6097' Frac CP sand as follows:  
 130,600# of 20/40 sand in 626 bbl Viking I-25 fluid. Treated @ avg press of 1520 w/avg rate of 32.3 bpm. ISIP 1920 psi. Calc flush: 5936 gal. Actual flush: 5838 gal

08/14/98 5614'-5646' Frac A sand as follows:  
 119,000# of 20/40 sand in 592 bbls Viking I-25 fluid. Treated @ avg press of 1700 psi w/avg rate of 28.4 bpm. ISIP 1800 psi. Calc flush: 5612 gal. Actual flush: 5502 gal

08/17/98 5096'-5290' Frac D/C sand as follows:  
 142,000# of 20/40 sand in 681 bbls Viking I-25 fluid. Treated @ avg press of 1855 psi w/avg rate of 37.4 bpm. ISIP: 3780 psi. Screened out.

08/19/98 4612'-4674' Frac GB sand as follows:  
 110,400# of 20/40 sand in 526 bbls Viking I-25 fluid. Treated @ avg press of 1200 psi w/avg rate of 28.2 bpm. ISIP 1980 psi. Calc flush: 4610 gal. Actual flush: 4494 gal

08/17/00 Stuck pump.  
 03/09/01 Pump change  
 04/04/01 Stuck pump.  
 06/04/01 Stuck pump.  
 08/02/01 Pump change. Update rod & tubing details.  
 12/17/01 Pump change. Update pump and PBTD data.  
 08/07/02 Pump change. Update rod and tubing details.  
 01/31/03 Pump change. Update pump details.  
 02/28/05 Pump change. Update rod detail.  
 09/22/06 Tubing Leak. Updated tbg and rod detail.  
 04/13/07 Pump Change: Updated rod and tbg detail.  
 9-26-08 Pump Change. Updated rod & tbg details.  
 05/03/11 Convert to Injection Well  
 05/11/11 Conversion MIT Finalized

## PERFORATION RECORD

Date	Depth Range	Tool	Holes
8/11/98	6093'-6097'	4 JSPF	16 holes
8/11/98	6036'-6039'	4 JSPF	12 holes
8/11/98	6020'-6028'	4 JSPF	32 holes
8/11/98	6012'-6016'	4 JSPF	16 holes
8/11/98	5945'-5948'	4 JSPF	12 holes
8/11/98	5938'-5940'	4 JSPF	8 holes
8/13/98	5643'-5646'	4 JSPF	12 holes
8/13/98	5614'-5617'	4 JSPF	12 holes
8/14/98	5284'-5290'	2 JSPF	12 holes
8/14/98	5258'-5271'	2 JSPF	24 holes
8/14/98	5216'-5219'	2 JSPF	6 holes
8/14/98	5174'-5188'	2 JSPF	28 holes
8/14/98	5096'-5099'	2 JSPF	6 holes
8/18/98	4671'-4674'	2 JSPF	6 holes
8/18/98	4635'-4665'	2 JSPF	60 holes
8/18/98	4618'-4626'	2 JSPF	16 holes
8/18/98	4612'-4614'	2 JSPF	4 holes

**NEWFIELD**

**Tar Sands Federal 8-28-8-17**

1835 FNL & 784 FEL.  
 SENE Section 28-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-32068; Lease #U-76241