

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Inland Production Company

3. ADDRESS OF OPERATOR
 P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 NW/NW
 At proposed prod. zone 549' FWL & 635' FNL

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 549'

16. NO. OF ACRES IN LEASE 1968.01

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. 1170'

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5311.6'

22. APPROX. DATE WORK WILL START* Third Quarter 1996

5. LEASE DESIGNATION AND SERIAL NO.
 U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Tar Sands Federal

9. WELL NO.
 #4-31

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH Duchesne

13. STATE UT

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---|
| 12 1/4 | 8 5/8 | 24# | 300' | 120 sx Class G +2% Gel+2% CaCl |
| 7 7/8 | 5 1/2 | 15.5# | TD | 400 sx Hilift followed by 330 sx Class G w/ 10% CaCl |

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.

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 Brad Mechem TITLE Operations Manager DATE 1/11/96

(This space for Federal or State office use)

PERMIT NO. 43-013-31606 APPROVAL DATE _____

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 2/16/96

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

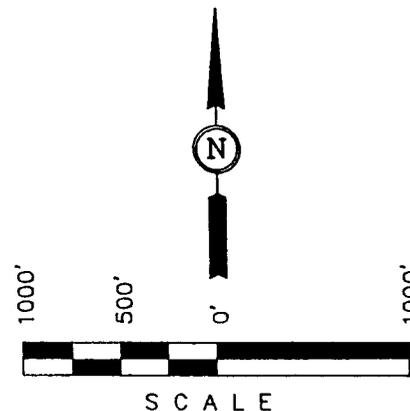
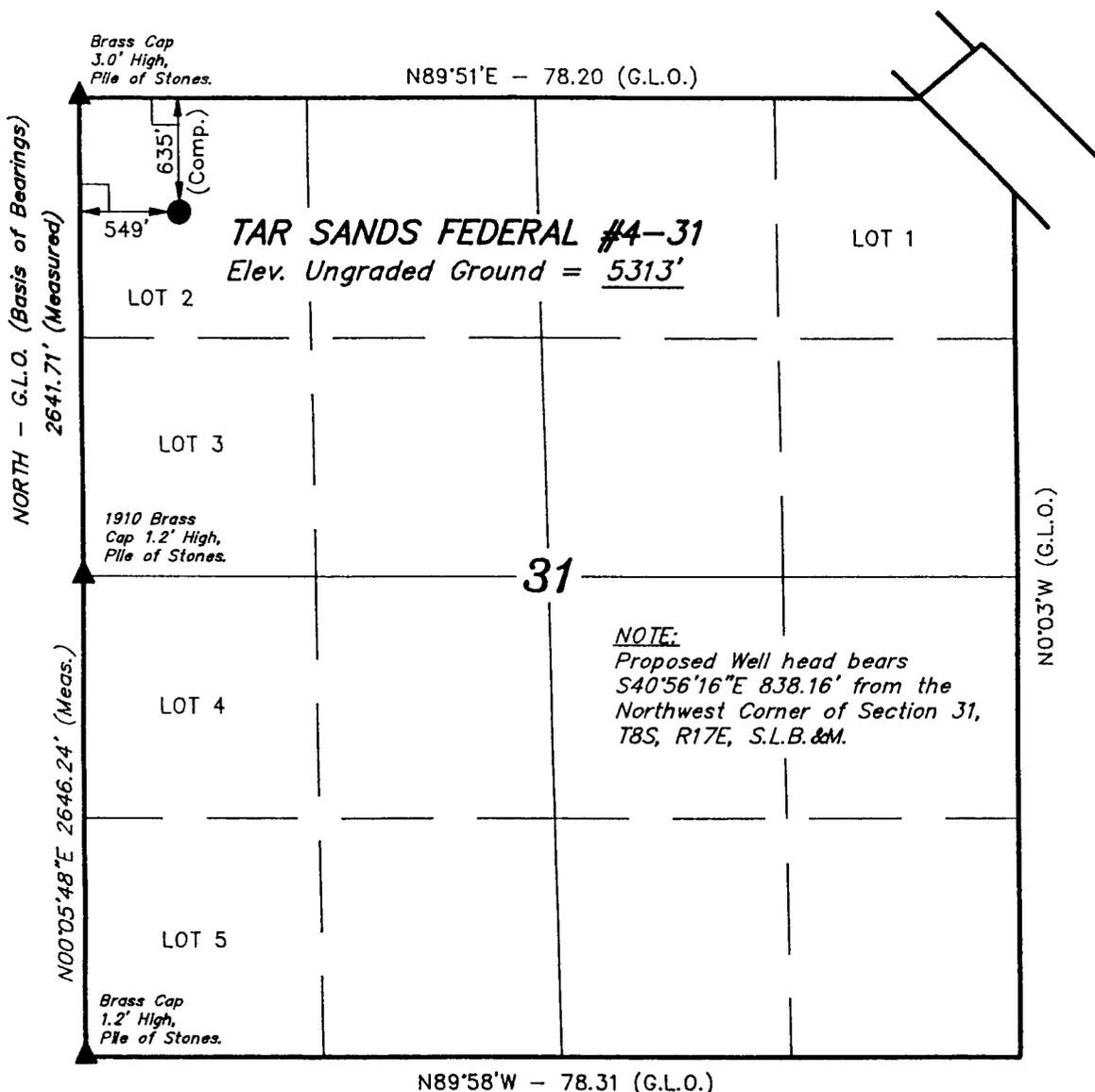
T8S, R17E, S.L.B.&M.

INLAND PRODUCTION CO.

Well location, TAR SANDS FEDERAL #4-31, located as shown in the NW 1/4 NW 1/4 of Section 31, T8S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 31, 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 5301 FEET.



CERTIFICATE

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

Robert L. Gray

REGISTERED LAND SURVEYOR
REGISTRATION NO. 181319
STATE OF UTAH

LEGEND:

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

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

| | | |
|-----------------------------|-------------------------------|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 12-20-95 | DATE DRAWN: 12-21-95 |
| PARTY L.D.T. N.H. D.J.S. | REFERENCES G.L.O. PLAT | |
| WEATHER COOL | FILE INLAND PRODUCTION CO. | |

**TAR SANDS FEDERAL #4-31
NW/NW SECTION 31, T8S, R17E
DUCHESNE COUNTY, UTAH
U-74869**

HAZARDOUS MATERIAL DECLARATION

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

INLAND PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

DEC 20 1995

JOHNSON WATER DISTRICT
R.R. 3 BOX 3188
ROOSEVELT, UT 84066
TELEPHONE (801) 722-2620

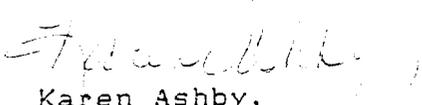
December 18, 1995

TO WHOM IT MAY CONCERN:

Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Tar Sands Federal 4-31, 5-311, 11-311, and 12-31.

Sincerely,


Karen Ashby,
Secretary

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #4-31
NW/NW SECTION 31, T8S, R17E
DUCHESNE COUNTY, UTAH**

TEN POINT WELL PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| | |
|-------------|------------|
| Uinta | 0' - 3030' |
| Green River | 3030' |
| Wasatch | 6500' |

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

Green River Formation 3030' - 6400' - & Oil

4. PROPOSED CASING PROGRAM

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)
7 7/8 J-55, 15.5# w/ LT&C collars/ set at TD (New)

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the Green River formation @ approximately 3030', and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

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

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement bond log will be run from PBSD to cement top. The use of mud loggers to be determined at a later date.

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

The anticipated 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:**

It is anticipated that the drilling operations will commence the third quarter of 1996, and take approximately eight days to drill.

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #4-31
NW/NW SECTION 31, T8S, R17E
DUCHESNE COUNTY, UTAH**

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Tar Sands Federal #4-31 located in the NW 1/4 NW 1/4 Section 31, 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 Utah State Highway 53; proceed southerly along Utah State Highway 6.3 miles to its junction with an existing dirt road to the southwest, proceed southwesterly along this road 2.8 miles on the existing dirt road to the southeast. Proceed southeasterly along this road 2.2 miles to the beginning of the proposed access road, to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 53 ends, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NW 1/4 NE 1/4 Section 36, T8S, R16E, S.L.B., and proceeds in a easterly direction approximately .2 miles \pm to the proposed location site.

The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will no culverts required along this access road. There will no water turnouts constructed along this road.

There are no fences encountered along this proposed road. There will no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

There are eight (8) producing, two (2) injection Inland Production wells, and one (1) unknown P&A well within a one (1) mile radius of this well.

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

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be placed on a per Sundry Notice if the well is completed as a producer.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

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

At the present time, it is anticipated that the water for this well will be trucked from our pre-approved Inland Production Company water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E) location as indicated on Topographic Map - Exhibit C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

If the reserve pit is lined, it will be constructed and lined with plastic reinforced lines so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The line will overlap the pit wall and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the Onshore Order #7, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the west side between stakes 4 & 5.

No flare pit will be used at this location.

The stockpiled topsoil (first six (6) inches) will be stored on the east side, between stakes 2 & 8.

Access to the well pad will be from the south corner, near stake #2.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.

- b) The net wire shall be nor more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before back filling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons, all cans, barrels, pipe, etc., removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

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

12. **OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

There are no dwellings or facilities in the general area. There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. The Cultural Resource Survey will be sent it, as soon as it becomes available.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham
Address: P.O. Box 1446 Roosevelt, Utah 84066
Telephone: (801) 722-5103

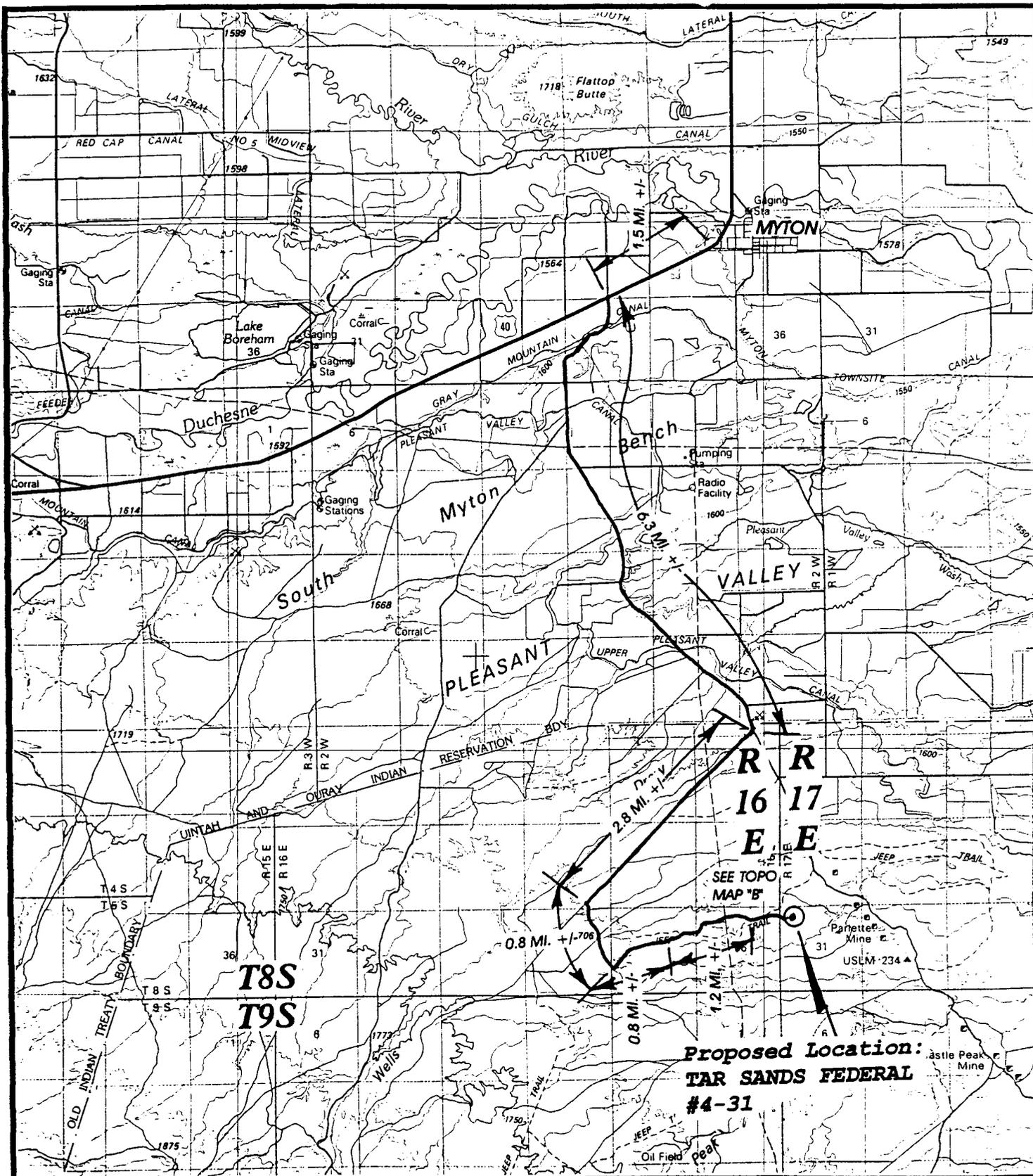
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Tar Sands Federal #4-31 NW/NW Section 31, Township 8S, Range 17E: Lease U-74869, Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that 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.

1-15-96
Date

Brad Mecham
Brad Mecham
Operations Manager



UELS

**TOPOGRAPHIC
MAP "A"**

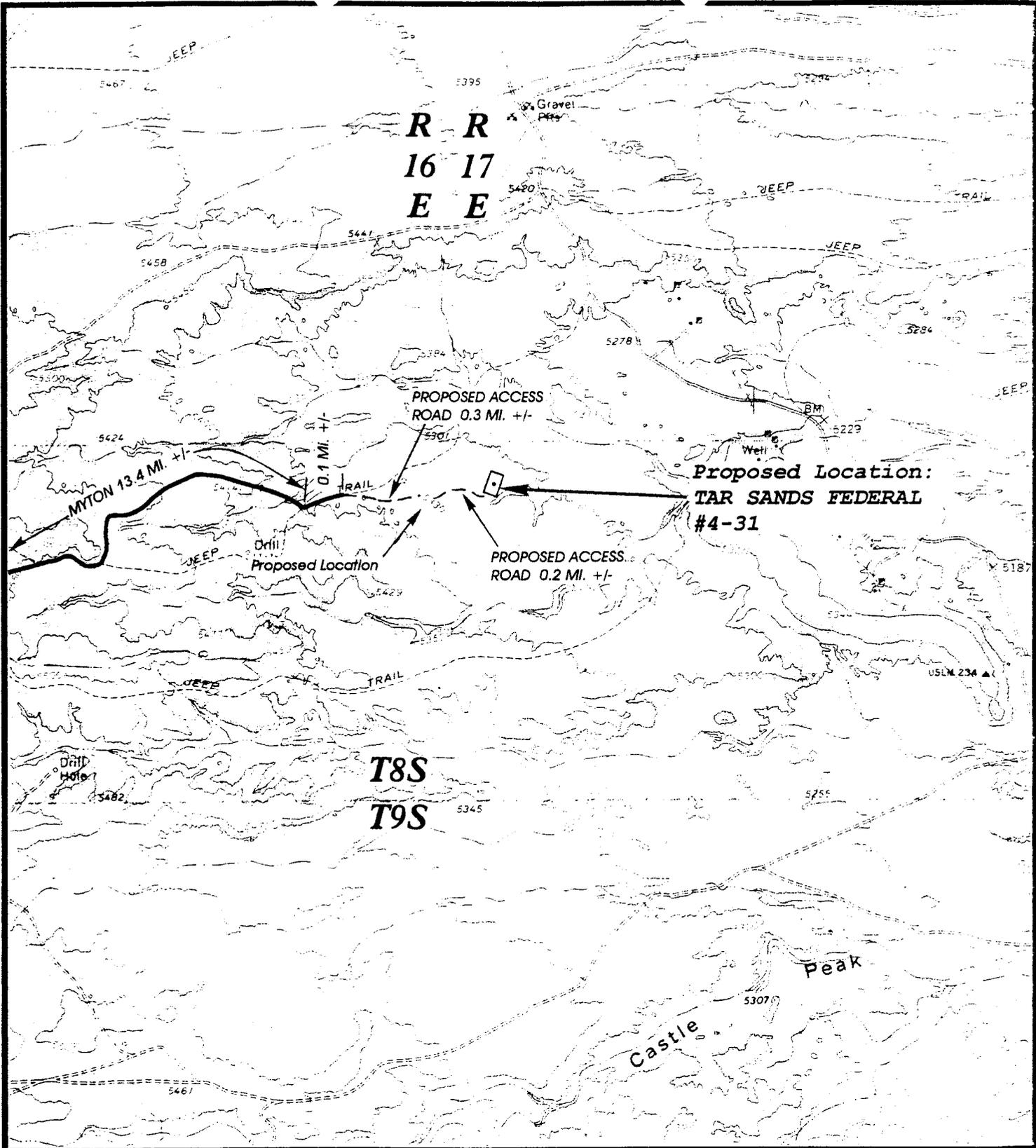
DATE: 12-21-95
Drawn by: D.J.S.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



INLAND PRODUCTION CO.

TAR SANDS FEDERAL #4-31
SECTION 31, T8S, R17E, S.L.B.&M.
635' FNL 549' FWL



UELS

**TOPOGRAPHIC
MAP "B"**

DATE: 12-21-95
Drawn by: D.J.S.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

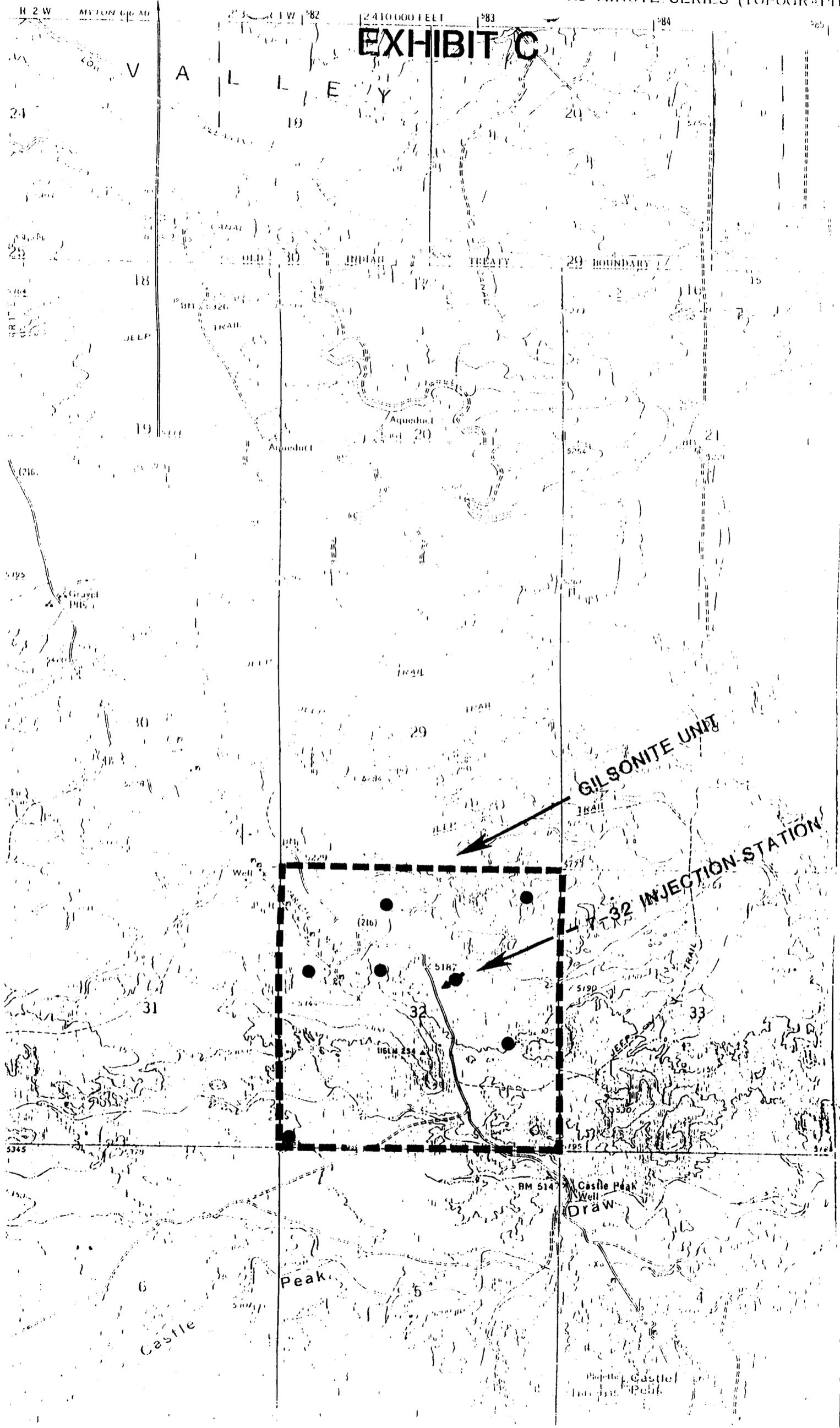


INLAND PRODUCTION CO.

TAR SANDS FEDERAL #4-31
SECTION 31, T8S, R17E, S.L.B.&M.
635' FNL 549' FWL

SCALE: 1" = 2000'

EXHIBIT C



GILSONITE UNIT

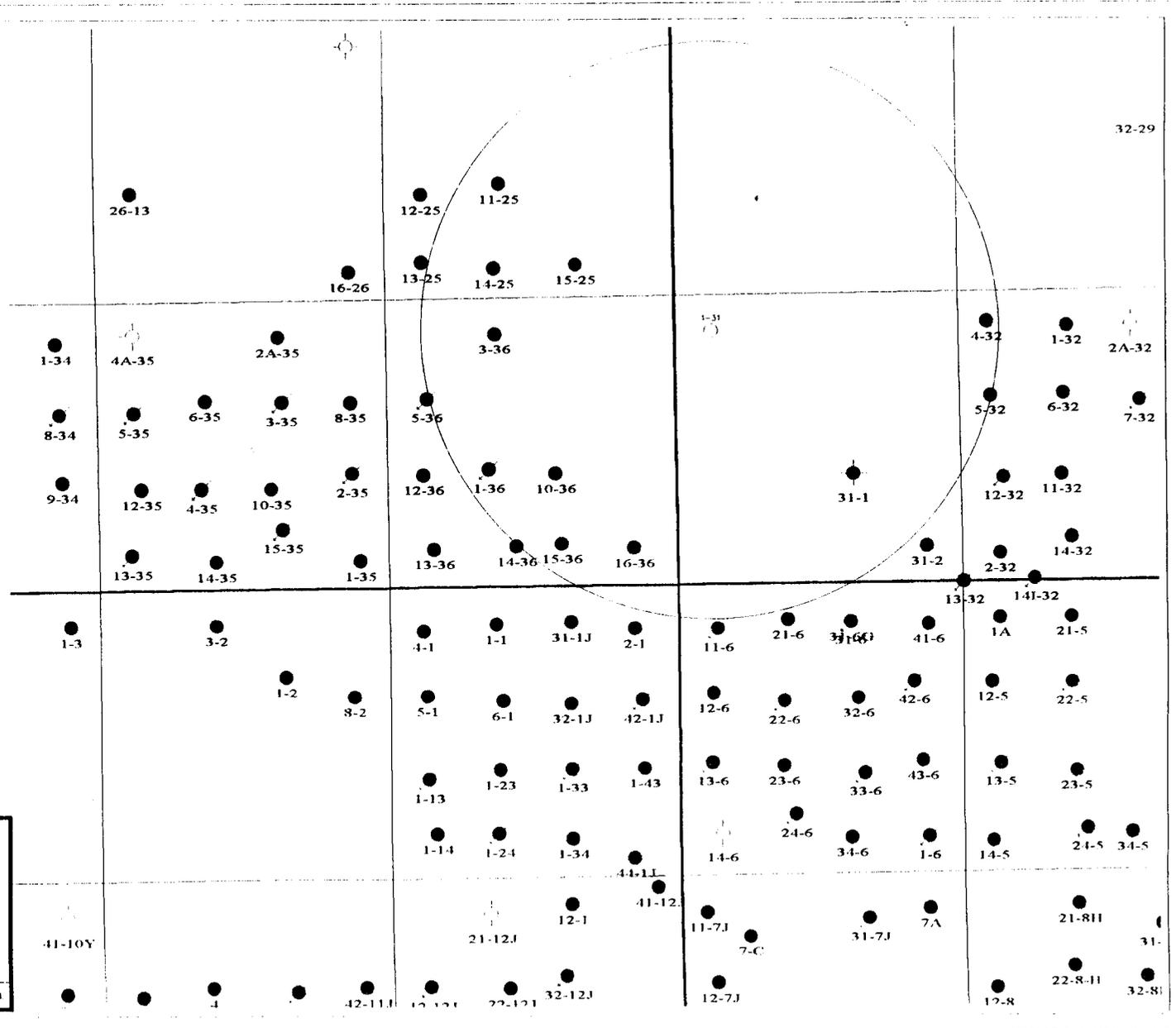
INJECTION STATION 32

Castle Peak Well (Draw)

Castle Peak

Castle Peak

EXHIBIT "D"



Inland
RESOURCES INC.

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

Tar Sands Fed. #4-31
One Mile Radius
Duchesne County, Utah

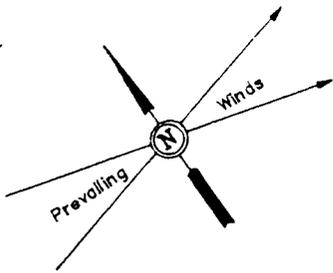
Date: 12-7-95 D.G.

INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

TAR SANDS FEDEARL #4-31
SECTION 31, T8S, R17E, S.L.B.&M.
635' FNL 549' FWL

Handwritten signature



SCALE: 1" = 50'
DATE: 12-21-95
Drawn By: D.J.S.

F-2.3'
El. 9.3'

F-1.8'
El. 9.8'

APPROX.
TOE OF
FILL SLOPE

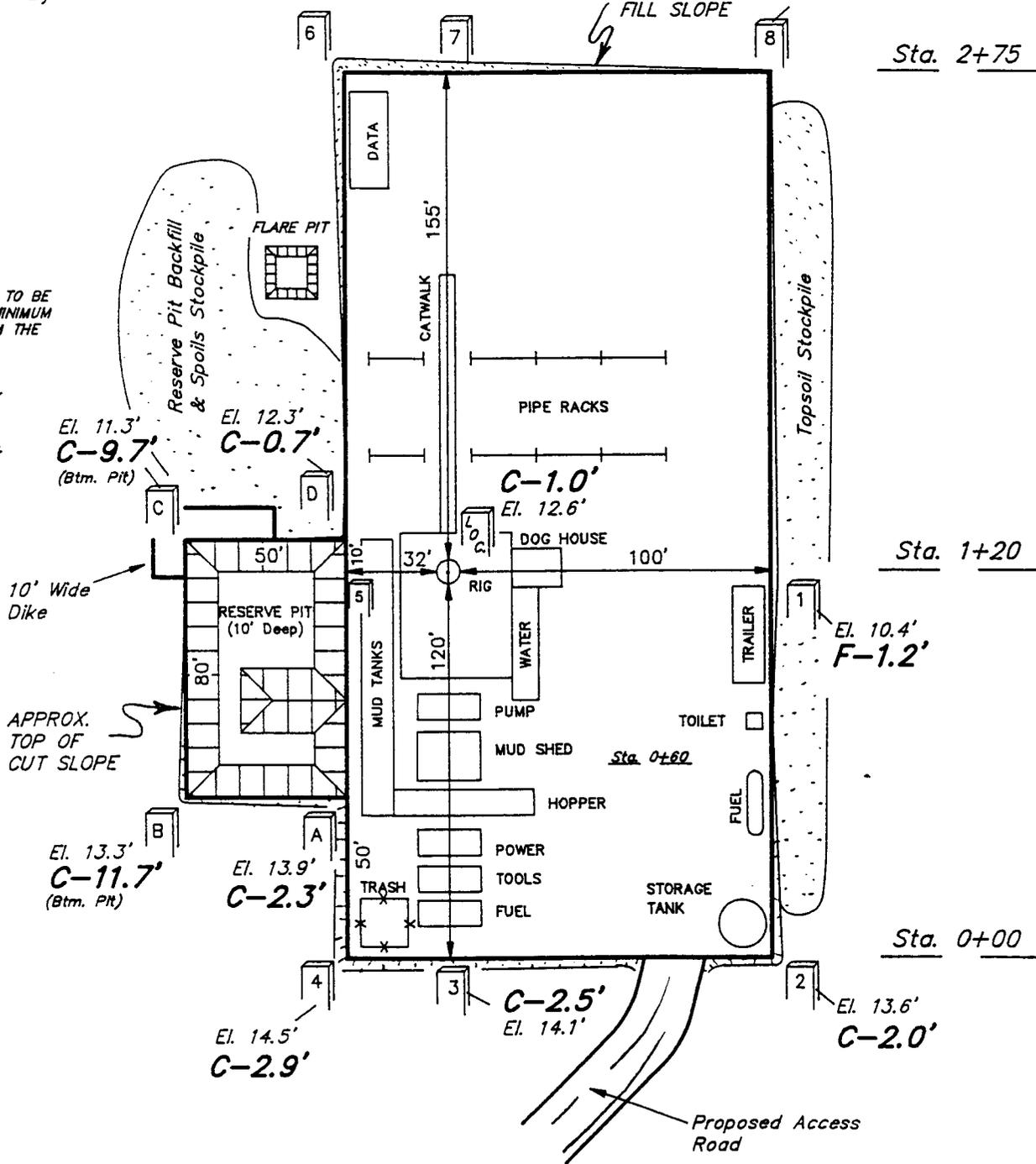
F-0.3'
El. 11.3'

Sta. 2+75

NOTE:

FLARE PIT IS TO BE LOCATED A MINIMUM OF 125' FROM THE WELL HEAD.

NOTE:
PIT CAPACITY WITH 2' OF FREEBOARD = 3,090 Bbls.



10' Wide Dike

APPROX. TOP OF CUT SLOPE

Sta. 1+20

Sta. 0+00

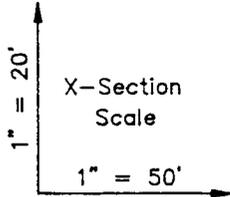
Elev. Ungraded Ground at Location Stake = 5312.6'
Elev. Graded Ground at Location Stake = 5311.6'

INLAND PRODUCTION CO.

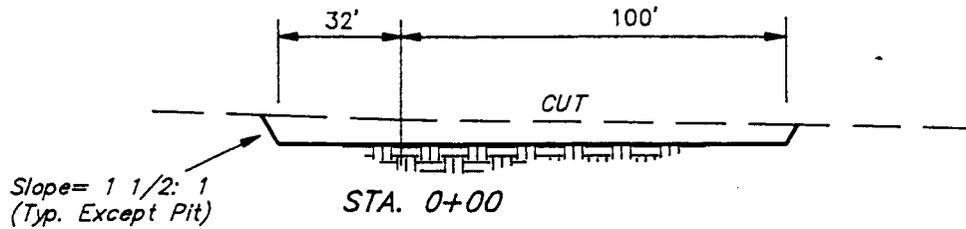
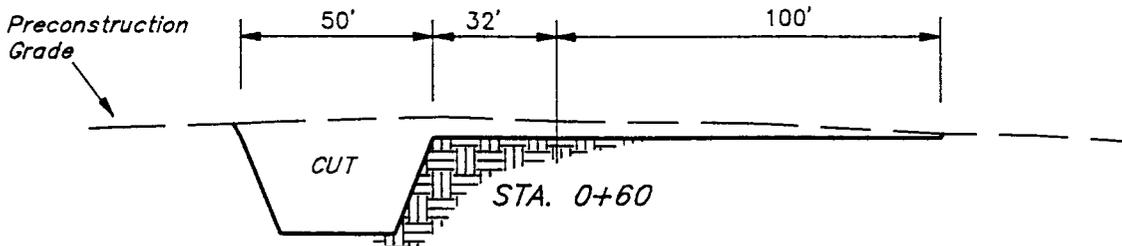
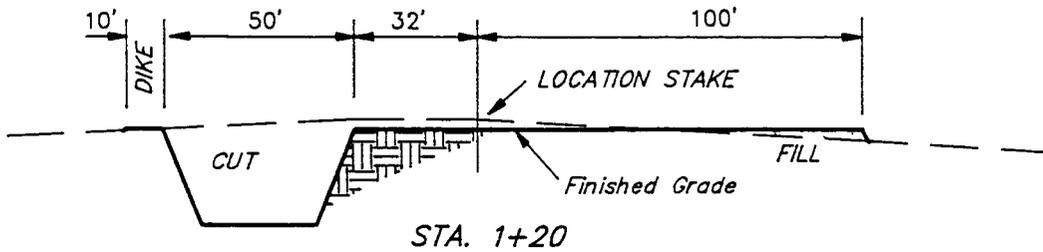
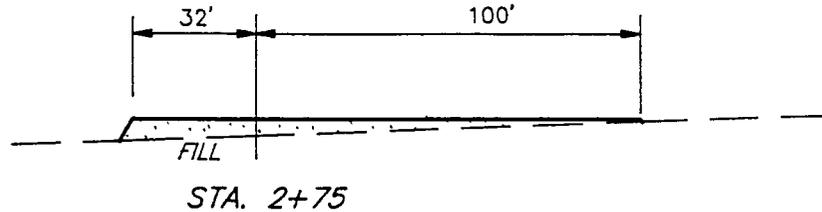
TYPICAL CROSS SECTIONS FOR

TAR SANDS FEDEARL #4-31
SECTION 31, T8S, R17E, S.L.B.&M.

635' FNL 549' FWL



DATE: 12-21-95
Drawn By: D.J.S.



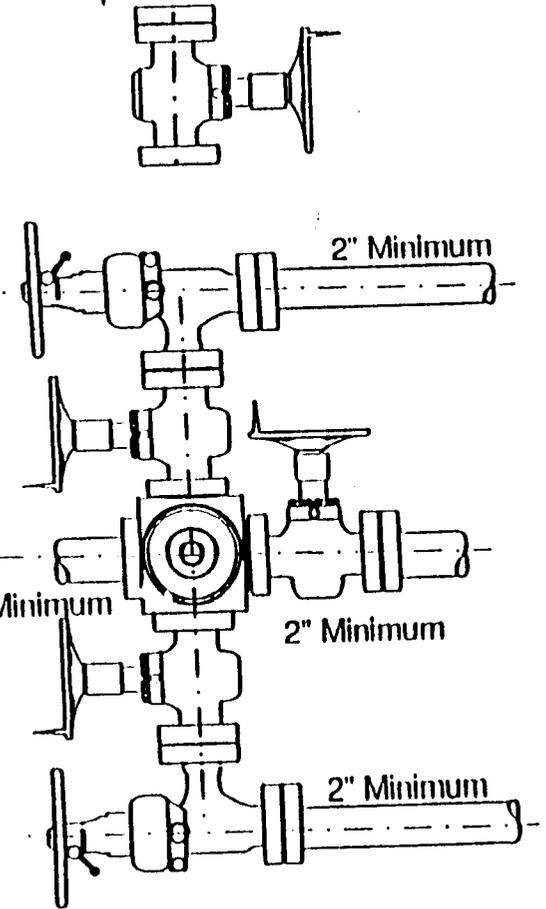
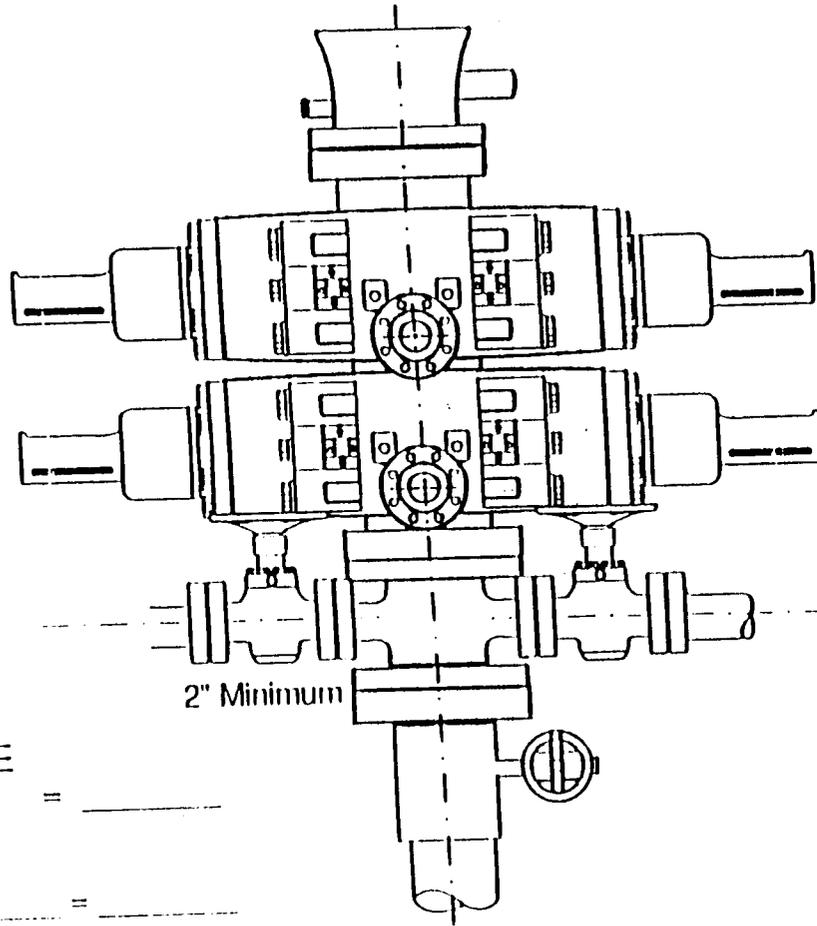
APPROXIMATE YARDAGES

| | |
|------------------------|------------------------|
| CUT | |
| (6") Topsoil Stripping | = 750 Cu. Yds. |
| Remaining Location | = 1,610 Cu. Yds. |
| TOTAL CUT | = 2,360 CU.YDS. |
| FILL | = 1,090 CU.YDS. |

| | |
|---|------------------|
| EXCESS MATERIAL AFTER 5% COMPACTION | = 1,210 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.) | = 1,210 Cu. Yds. |
| EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed | = 0 Cu. Yds. |

2-M SYSTEM

TYPE B.O.P.
 ke:
 ze:
 del:



GAL TO CLOSE
 Annular BOP = _____
 Ramtype BOP
 Rams x _____ = _____
 = _____ Gal.
 _____ x 2 = _____ Total Gal.

Rounding off to the next higher
 increment of 10 gal. would require
 _____ Gal. (total fluid & nitro volume)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/17/96

API NO. ASSIGNED: 43-013-31606

WELL NAME: TAR SANDS FEDERAL 4-31
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:
 NWNW 31 - T08S - R17E
 SURFACE: 0549-FWL-0635-FNL
 BOTTOM: 0549-FWL-0635-FNL
 DUCHESNE COUNTY
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED
 LEASE NUMBER: U - 74869

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
 (Number 4488944)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number 7-32 INJECTION WELL)

RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____

R649-3-2. General.

___ R649-3-3. Exception.

___ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

| | |
|---------------------------------------|--|
| Operator: INLAND PRODUCTION CO | Well Name: TAR SANDS FED 4-31 |
| Project ID: 43-013-31606 | Location: SEC. 31 - T088 - R17E |

Design Parameters:

Mud weight (10.00 ppg) : 0.519 psi/ft
 Shut in surface pressure : 2853 psi
 Internal gradient (burst) : 0.081 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

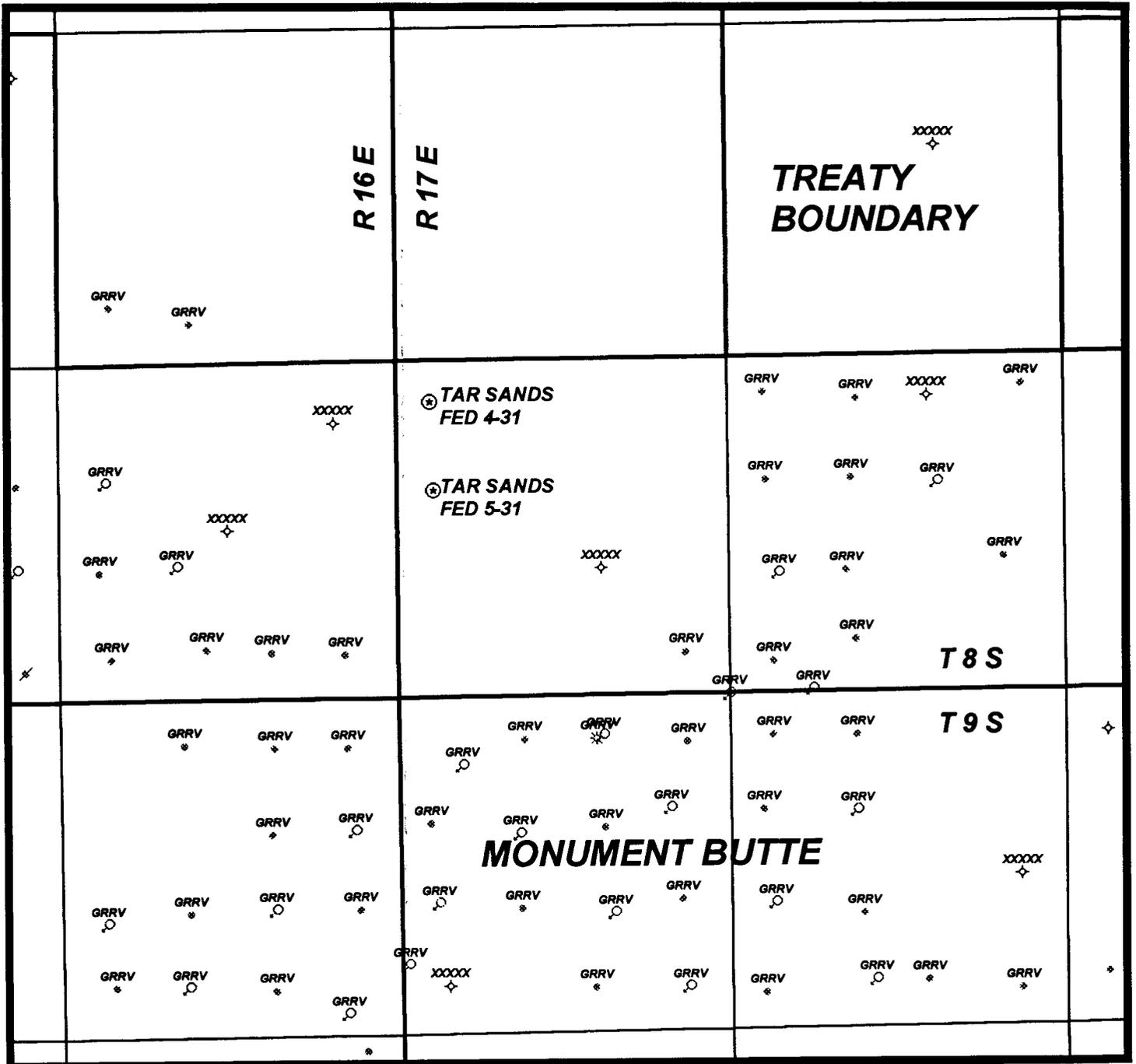
| Length (feet) | Size (in.) | Weight (lb/ft) | Grade | Joint | Depth (feet) | Drift (in.) | Cost | | |
|------------------|---------------|-----------------------------|-------|------------------------|----------------------------|----------------|---------------------------|------------------|--------|
| 1 | 6,500 | 5.500 | 15.50 | J-55 | LT&C | 6,500 | 4.825 | | |
| | Load (psi) | Collapse Strgth (psi) | S.F. | Burst Load (psi) | Min Int Strgth (psi) | Yield S.F. | Tension Load (kips) | Strgth (kips) | S.F. |
| 1 | 3377 | 4040 | 1.196 | 3377 | 4810 | 1.42 | 100.75 | 217 | 2.15 J |

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 02-14-1996
 Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and 3,377 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

INLAND PRODUCTION COMPANY WATERFLOOD DEVELOPMENT SEC. 31, T8S, R17E DUCHESNE CO. UAC R649-3-2



**STATE SPACING
UAC R649-3-2**

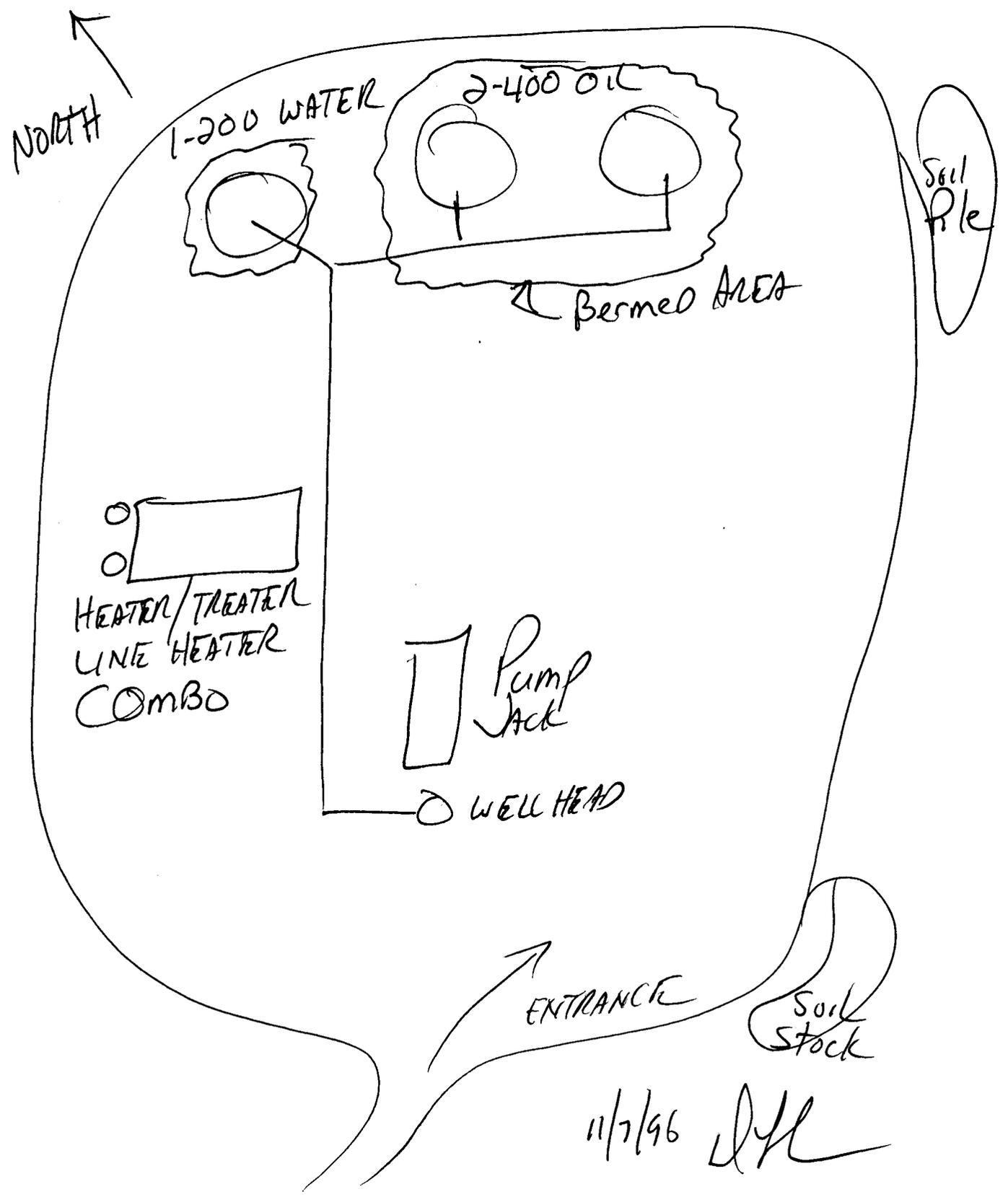
**PREPARED:
DATE: 1/18/96**

ISLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #4-31

SEC 31; TBS; RITE U-74869

POW 43-013-31606



11/7/96 [Signature]



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

February 16, 1996

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Re: Tar Sands Federal #4-31 Well, 635' FNL, 549' FWL, NW NW, Sec. 31,
T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31606.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Birt".

R. J. Birt
Associate Director

lwp

Enclosures

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

WAPD



Operator: Inland Production Company
Well Name & Number: Tar Sands Federal #4-31
API Number: 43-013-31606
Lease: U-74869
Location: NW NW Sec. 31 T. 8 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 Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION

Well Name: TAR SAND FEDERAL 4-31

Api No. 43-013-31606

Section 31 Township 8S Range 17E County DUCHESNE

Drilling Contractor _____

Rig #: _____

SPUDDED:

Date: 7/22/96

Time: _____

How: DRY HOLE

Drilling will commence: _____

Reported by: D. INGRAM-DOGM

Telephone #: _____

Date: 7/23/96 Signed: FRM

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

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

**NW/NW 549' FWL & 635' FNL
Sec. 31, T8S, R1E**

8. Well Name and No.

Tar Sands Federal #4-31

9. API Well No.

43-013-31606

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, Utah

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

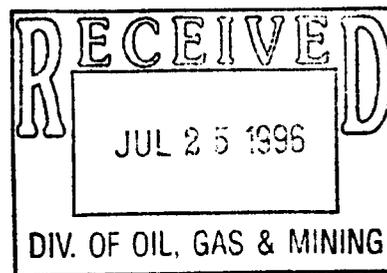
| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other <u>Spud Notification</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.)

Drilled 12 1/4" hole to 303' w/ Leon Ross Rathole Rig. Set 289.53' GL of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx prem + w/ 2% Gel, 2% CC & 1/4# /sk flocele.

SPUD 7/22/96



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

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 7/24/96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

*See instruction on Reverse Side



July 24, 1996

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

ATTENTION: Ed Forsman

Re: ✓ Boundary Federal #16-21
SE/SE Sec. 21, T8S, R17E
Duchesne County, Utah

✓ Tar Sands Federal #3-28
NE/NW Sec. 28, T8S, R17E
Duchesne County, Utah

✓ Tar Sands Federal #13-30
SW/SW Sec. 30, T8S, R17E
Duchesne County, Utah

✓ Tar Sands Federal #4-31
NW/NW Sec. 31, T8S, R17E
Duchesne County, Utah

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notification on the Tar Sands #4-31 and weekly status on the other above referenced locations. Copies will also be submitted to the State of Utah.

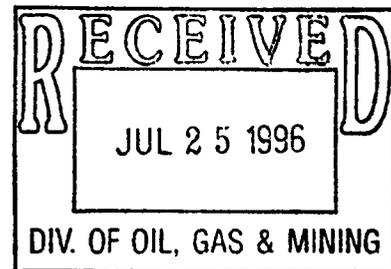
If additional information is needed, please contact me or Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,

Cori Brown
Secretary

cc: ~~Attn: Frank Matthews~~
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

/cb
Enclosures



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

OPERATOR Inland Production Company
 ADDRESS P.O. Box 1446
Roosevelt, Utah 84066

OPERATOR ACCT. NO. H 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 | 11953 | 43-013-31606 | Tar Sands Federal #4-31 | NWNW | 31 | 8S | 17E | Duchesne | 7/22/96 | 7/22/96 |
| WELL 1 COMMENTS: Entity added 7-25-96. <i>lee</i> | | | | | | | | | | | |
| WELL 2 COMMENTS: | | | | | | | | | | | |
| WELL 3 COMMENTS: | | | | | | | | | | | |
| WELL 4 COMMENTS: | | | | | | | | | | | |
| WELL 5 COMMENTS: | | | | | | | | | | | |

- ACTION CODES** (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - J - Add new well to existing entity (group or unit well)
 - Z - 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 COMMENTS section to explain why each Action Code was selected.

12/89

Cheryl Cameron
 Signature Cheryl Cameron

Regulatory Compliance Specialist 7/24/96
 Title Date

Phone No. (801) 722-5103



July 24, 1996

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

ATTENTION: Lisha Cordova

**RE: Tar Sands Federal #4-31
NW/NW Sec. 31, T8S, R17E
Duchesne County, Utah**

Dear Lisha,

I am faxing Entity Action Form - 6, for the new Entity No., on the above referenced location.

Please call me at your convenience, with the new numbers at (801) 722-5103.

Sincerely,



Cori Brown
Secretary

/cb
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

11/8/96

5. LEASE DESIGNATION AND SERIAL NO.
U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tar Sands Federal

9. WELL NO.
#4-31

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH | 13. STATE
Duchesne | UT

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Third Quarter 1996

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS OF OPERATOR
P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
NW/NW 549' FWL & 635' FNL
At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **549'**

16. NO. OF ACRES IN LEASE
1968.01

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1170'**

19. PROPOSED DEPTH
6500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5311.6'

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---|
| 12 1/4 | 8 5/8 | 24# | 300' | 120 sx Class G +2% Gel+2% CaCl |
| 7 7/8 | 5 1/2 | 15.5# | TD | 400 sx Hilift followed by 330 sx Class G w/ 10% CaCl |

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.

RECEIVED
JAN 18 1996

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 **Brad Meclam** TITLE **Operations Manager** DATE **1/11/96**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY **[Signature]** TITLE **ASSISTANT DISTRICT MANAGER MINERALS** DATE **FEB 20 1996**
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL: CONDITIONS OF APPROVAL ATTACHED
*See Instructions On Reverse Side

Div O&G
47080-677-056

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Fed. 4-31

API Number: 43-013-31606

Lease Number: U-74869

Location: NWNW Sec. 31 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

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

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 300 ft. or by setting the surface casing at ± 350 ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at ± 2446 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to ± 2246 ft. if the surface casing is set at ± 350 ft. or it will be run to **SURFACE** if the surface casing is set at ± 300 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Planned Access Road

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

All vehicle travel will be confined to existing access road rights-of-way.

Methods for Handling Waste Disposal

It is not anticipated that a liner will be required in the reserve pit, however, Byron Tolman with the BLM will be notified when the pit has been complete so an inspection can be made. If porous soils or fractured rock is encountered a liner may be required.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No. 7 an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

Additional Conditions of Approval

Topsoil should be windrowed on the southeast side of the location as shown on the cut sheet.

One erosion dam will be constructed on the south side of the location as staked.

No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from Feb. 1 through July 15. This restriction is to protect various raptors which nest in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Tar Sands Federal #4-31

9. API Well No.
43-013-31606

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**NW/NW 549' FWL & 635' FNL
Sec. 31, T8S, R17E**

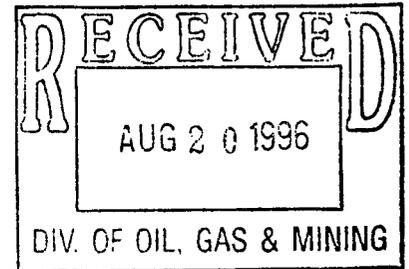
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Weekly status |
| | <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 WEEK OF 7/27/96 - 8/1/96:
 Drilled 7 7/8" hole from 303'-6134' w/ Kenting Apollo, Rig #56. Set 6222.10' of 5 1/2" 15.5# J-55 csg. Cmt w/ 330 sx Hybond & 370 sx Thixo w/ 10% Calseal.



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

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 8/12/96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:



August 19, 1996

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

ATTENTION: Ed Forsman

Re: South Pleasant Valley Federal #9-19
NE/SE Sec. 19, T9S, R17E

Tar Sands Federal #4-28
NW/NW Sec. 28, T8S, R17E

Tar Sands Federal #5-30
SW/NW Sec. 30, T8S, R17E

Tar Sands Federal #4-31
NW/NW Sec. 31 T8S, R17E

Tar Sands Federal #4-33
NW/NW Sec. 33, T8S, R17E

Tar Sands Federal #5-33
SW/NW Sec. 33, T8S, R17E

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notifications on the SPVF #9-19, Tar Sands #4-33 and #5-33 wells, and status reports for the other above referenced locations. Copies will also be submitted to the State of Utah.

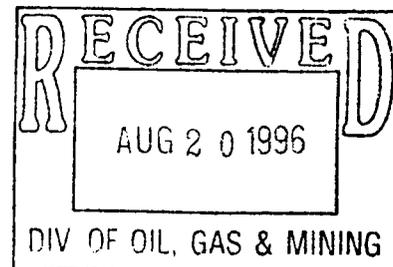
If additional information is needed, please contact me or Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,


Cori Brown
Secretary

cc: ~~Attn:~~ Frank Matthews
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

/cb
Enclosures



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
Inland Production Company

3. Address and Telephone No.
P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**NW/NW 549' FWL & 635' FNL
Sec. 31, T8S, R17E**

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

Tar Sands Federal #4-31

9. API Well No.
43-013-31606

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Duchesne County, Utah

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

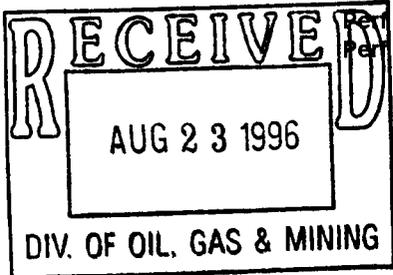
| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|--|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <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 <u>Weekly Status</u> | <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 WEEK OF 8/12/96 - 8/17/96:

Perf A-3 sd @ 5570'-5582'
Perf A-1 sd @ 5428'-5431', 5435'-5439', 5452'-5455'
Perf D-2 sd @ 4988'-4993', 5004'-5008'



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

Signed Cheryl Cameron
Cheryl Cameron

Title **Regulatory Compliance Specialist** Date **8/21/96**

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

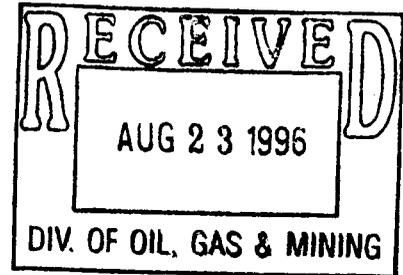
Conditions of approval, if any:

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



August 22, 1996

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



ATTENTION: Ed Forsman

Re: Tar Sands Federal #4-28
NW/NW Sec. 28, T8S, R17E

Tar Sands Federal #4-31
NW/NW Sec. 31, T8S, R17E

Tar Sands Federal #4-33
NW/NW Sec. 33, T8S, R17E

Travis Federal #1-33
NE/NE Sec. 33, T8S, R16E

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; status reports for the other above referenced locations. Copies will also be submitted to the State of Utah.

If additional information is needed, please contact me or Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,

Cori Brown
Secretary

cc: Attn: Frank Matthews
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

/cb
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas well Other

2. Name of Operator

Inland Production

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

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

NW/NW 549'FWL & 635'FNL
Sec. 31, T8S, R17E

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

Tar Sands Fed # 4-31

9. API Well No.

43-013-31608

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

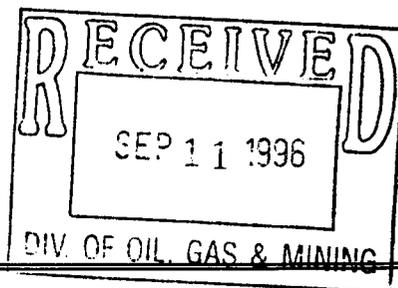
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing repair
- Altering Casing
- Other Weekly Status
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-off
- Conversion to Injection
- Dispose Water

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

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

Weekly Status Report for week of 8/18/96-8/26/96
Perf PB-10 sd @ 4643'- 4653' & 4657'-4660'
RIH w/ Production string
On production 8/26/96



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

Signed Cheryl Cameron Cheryl Cameron Title Regulatory Compliance Specialist Date 8/30/96

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

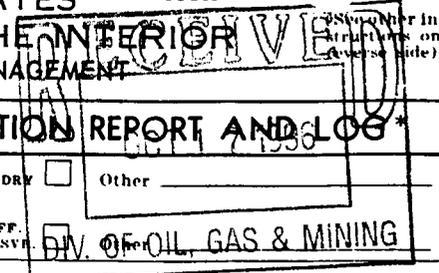
Conditions of approval, if any:

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

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE

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



5. LEASE DESIGNATION AND SERIAL NO.

U-74869
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tar Sands Federal

9. WELL NO.

#4-31

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 31, T8S R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESER.

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 790233 Vernal, UT 84079 (801) 789-1866

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

At surface NW/NW

At top prod. interval reported below 549' FWL & 635' FNL

At total depth

14. PERMIT NO. DATE ISSUED

UT0806M056 2/20/96

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

7/22/96 8/3/96 8/26/96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY?

6226' 6177'

23. INTERVALS DRILLED BY

Rotary

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

5570'-5582', 5428'-5431', 5435'-5439', 5452'-5455', 4988'-4993', 5004'-5008', 4643'-4653', 4657'-4660'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, CNL, DLL 10-17-96

27. WAS WELL CORED

No

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|--|---------------|
| 8 5/8 | 24# | 289.53 GL | 12 1/4 | 120 sx prem + w/ 2% CC, 2% flocele | Gel + 1#/sk |
| 5 1/2 | 15.5# | 6222.10 KB | 7 7/8 | 330 sx Hybond followed by Thixo w/ 10% Calseal | 370 sx |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|------|----------------|-----------------|
| | | | | | | | |

31. PERFORATION RECORD (Interval, size and number)

A-3 @ 5570'-5582'
A-1 @ 5428'-5431', 5435'-5439', 5452'-5455'
D-2 @ 4988'-4993', 5004'-5008'
PB-10 @ 4643'-4653', 4657'-4660'

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| See Back | |

33.* PRODUCTION

DATE FIRST PRODUCTION 8/26/96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping—2 1/2" X 1 1/2" X 12' X 15' 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 |
|--------------|--------------|------------|-------------------------|----------|----------|------------|---------------|
| 14 Day Avg | 9/96 | N/A | → | 45 | 45 | 3 | 1 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| | | → | | | | |

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

Sold & Used for fuel

35. LIST OF ATTACHMENTS

Logs in Item #26

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

SIGNED Cheryl Cameron Regulatory Compliance Specialist DATE 10/5/96

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

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

38.

GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|------------------|-------|--------|--|------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| Garden Gulch Mkr | 4230' | | #32. | | | |
| Point 3 Mkr | 4505' | | Perf A-3 sd 5570'-5582' | | | |
| X Mkr | 4744' | | Frac w/ 87,700# 20/40 sd in 484 bbls gel | | | |
| Y Mkr | 4779' | | | | | |
| Douglas Ck Mkr | 4908' | | Perf A-1 sd 5428'-5431', 5435'-5439' | | | |
| Bicarbonate Mkr | 5149' | | 5452'-5455' | | | |
| B Limestone Mkr | 5275' | | Frac w/ 86,700# 20/40 sd in 478 bbls gel | | | |
| Castle Peak | 5769' | | | | | |
| Basal Carbonate | NDE | | Perf D-2 sd 4988'-4993', 5004'-5008' | | | |
| | | | Frac w/ 86,500# 20/40 sd in 475 bbls gel | | | |
| | | | Perf PB-10 sd 4643'-4653', 4657'-4660' | | | |
| | | | Frac w/ 99,400# 20/40 sd in 546 bbls gel | | | |

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-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

TAR SANDS FEDERAL 4-31

9. API Well No.

43-013-31606

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.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

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

0635 FNL 0549 FWL NW/NW Section 31, 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 |

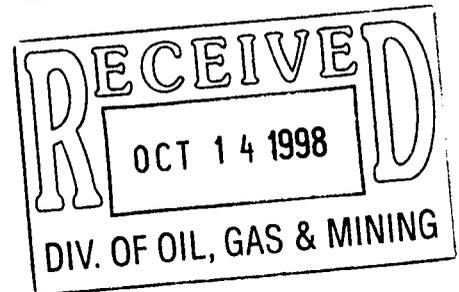
| |
|--|
| <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Plugging Back |
| <input type="checkbox"/> Casing Repair |
| <input type="checkbox"/> Altering Casing |
| <input checked="" type="checkbox"/> Other Site Security |

| |
|--|
| <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.)*

Attached please find the site security diagram for the above referenced well.



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

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/8/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

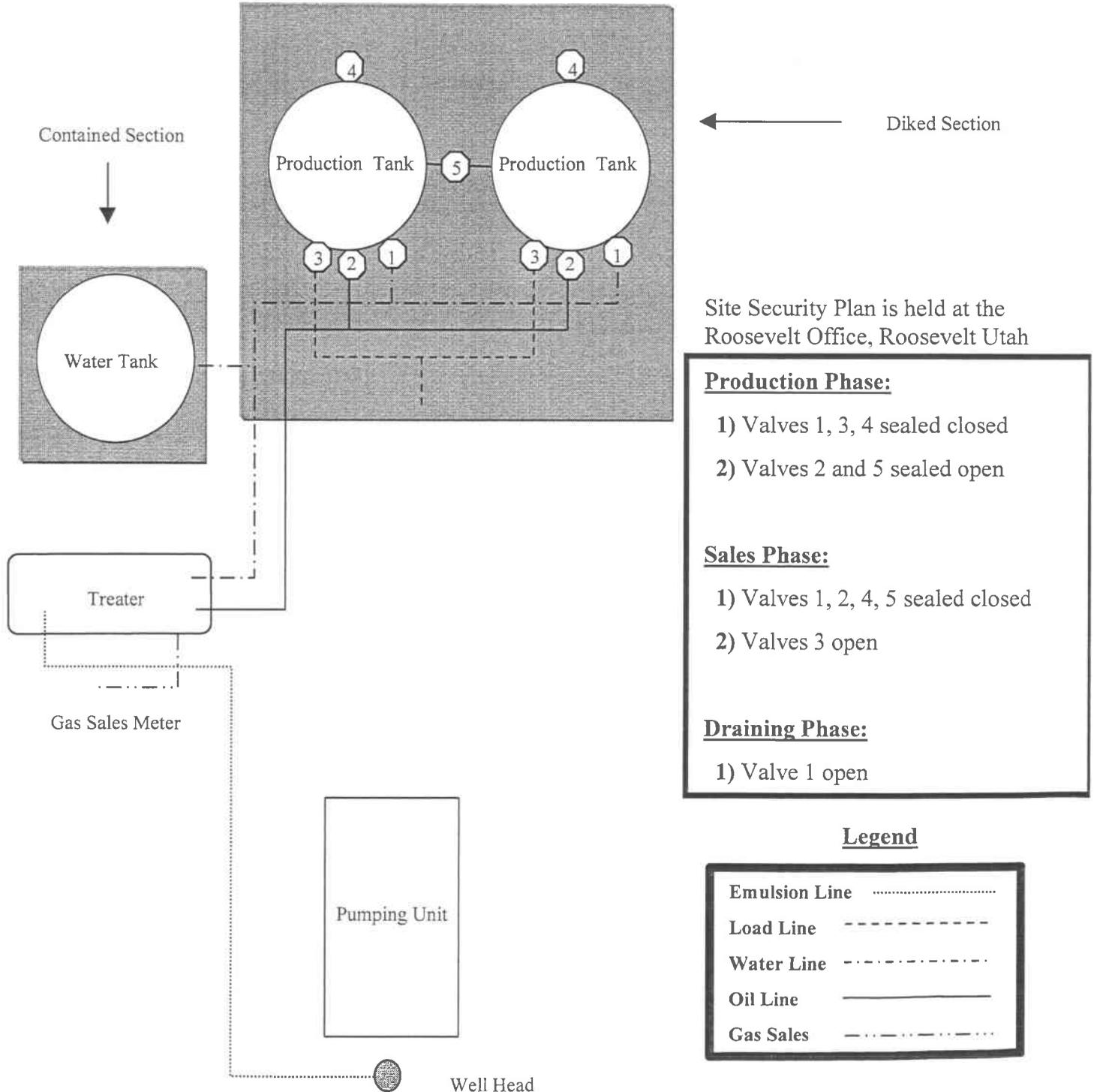
Inland Production Company Site Facility Diagram

Tar Sands 4-31

NW/NW Sec. 31, T8S, 17E

Duchesne County

May 12, 1998



OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. H 5160 -

ADDRESS _____

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | | SPUD DATE | EFFECTIVE DATE |
|---|--------------------|----------------|------------|-----------|---------------|----|----|----|--------|-----------|----------------|
| | | | | | QQ | SC | TP | RG | COUNTY | | |
| D | | 12308 | | | | | | | | | |
| WELL 1 COMMENTS: *SAND WASH (GREEN RIVER) UNIT EFF 12-01-97; ALL WELLS LISTED SHOULD BE GROUPED TOGETHER UNDER A COMMON ENTITY NUMBER AS PER OPERATOR REQUEST EFF 12-1-97. (SEE ATTACHED) | | | | | | | | | | | |
| | | | | | | | | | | | |
| WELL 2 COMMENTS: | | | | | | | | | | | |
| | | | | | | | | | | | |
| WELL 3 COMMENTS: | | | | | | | | | | | |
| | | | | | | | | | | | |
| WELL 4 COMMENTS: | | | | | | | | | | | |
| | | | | | | | | | | | |
| 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.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

3-11-98

Title

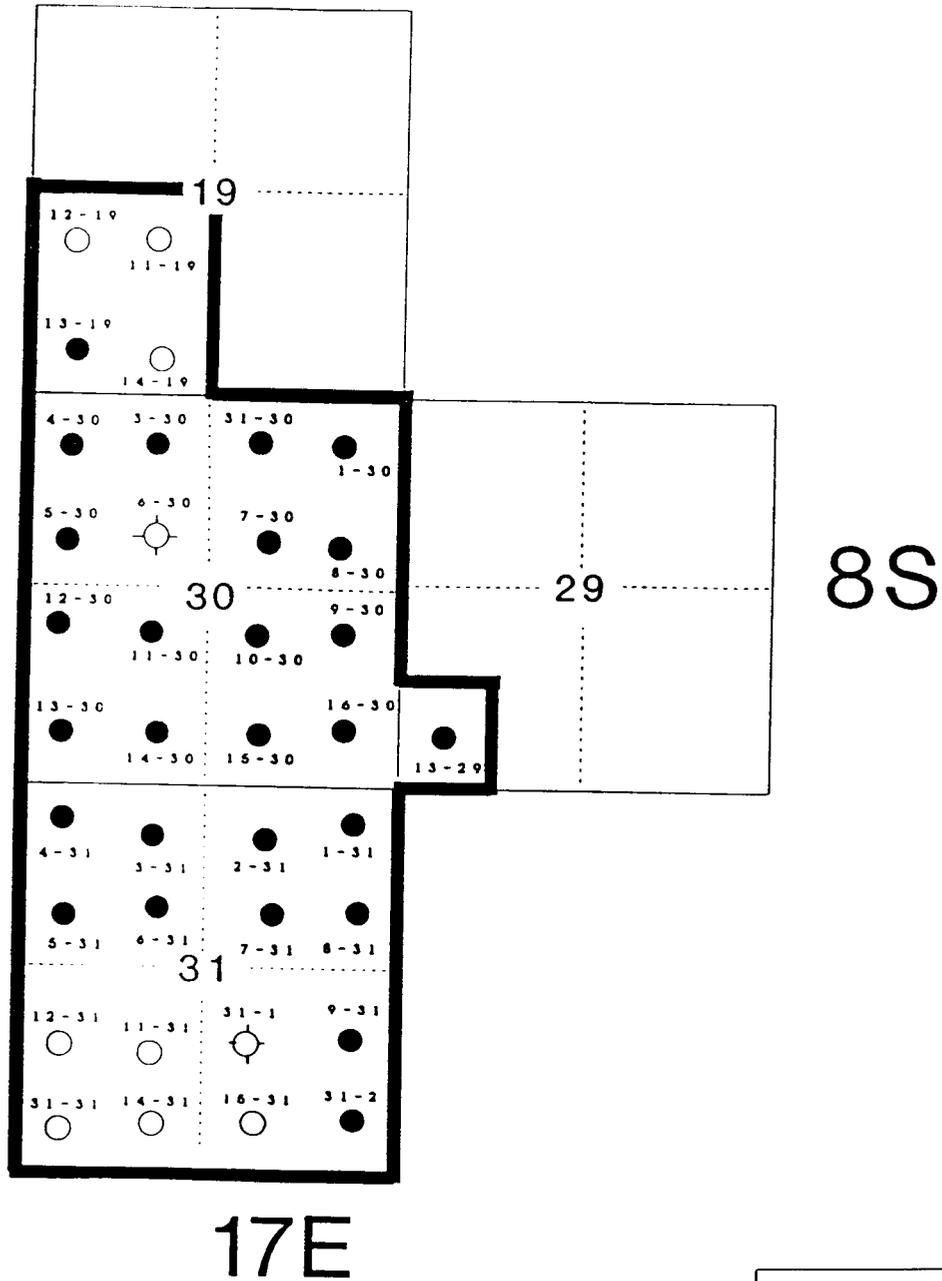
Date

Phone No. ()

SAND WASH (GREEN RIVER) UNIT

Duchesne County, Utah

EFFECTIVE: DECEMBER 1, 1997



— UNIT OUTLINE (UTU76788X)
1,444.06 ACRES

| | |
|----------------------|--------|
| SECONDARY ALLOCATION | |
| FEDERAL | 96.94% |
| FEE | 3.06% |

INLAND PRODUCTION COMPANY SANDWASH UNIT

AS OF 3/10/98

| SANDWASH UNIT | WELL NAME & # W/ RANGE & TOWNSHIP | API NUMBER | |
|--------------------|--|-------------------------|------------------|
| | TAR SANDS #13-29-8-17 | 43-013-31925 | 12218 |
| | TAR SANDS #1-30-8-17 | 43-013-31898 | 12251 |
| Wildrose Resources | HARBOUR TOWN #31-30-8-17 (2-30) | 43-013-31758 | 12097 |
| | TAR SANDS #3-30-8-17 | 43-013-31755 | 12045 |
| | TAR SANDS #4-30-8-17 | 43-013-31621 | 11916 |
| | TAR SANDS #5-30-8-17 | 43-013-31620 | 11958 |
| | TAR SANDS #7-30-8-17 | 43-013-31807 | 12131 |
| | TAR SANDS #8-30-8-17 | 43-013-31870 | 12141 |
| | TAR SANDS #9-30-8-17 | 43-013-31873 | 12177 |
| | TAR SANDS #10-30-8-17 | 43-013-31808 | 12126 |
| | TAR SANDS #11-30-8-17 | 43-013-31732 | 12041 |
| | TAR SANDS #12-30-8-17 | 43-013-31543 | 11945 |
| | TAR SANDS #13-30-8-17 | 43-013-31637 | 11940 |
| | TAR SANDS #15-30-8-17 | 43-013-31874 | 12164 |
| | TAR SANDS #16-30-8-17 | 43-013-31708 | 12070 |
| | TAR SANDS #1-31-8-17 | 43-013-31654 | 12012 |
| | TAR SANDS #2-31-8-17 | 43-013-31866 | 12142 |
| | TAR SANDS #3-31-8-17 | 43-013-31733 | 12162 |
| | TAR SANDS #4-31-8-17 | 43-013-31606 | 11953 |
| | TAR SANDS #5-31-8-17 | 43-013-31607 | 12140 |
| | TAR SANDS #6-31-8-17 | 43-013-31686 | 12163 |
| | TAR SANDS #7-31-8-17 | 43-013-31684 | 12149 |
| | TAR SANDS #8-31-8-17 | 43-013-31615 | 11913 |
| | TAR SANDS #9-31-8-17 | 43-013-31616 | 12220 |
| Wildrose Resources | GOVT #31-2-8-17 (16-31) | 43-013-20082 | 06300 |

To: Lisa
 From: Debbie



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

Michael O. Leavitt
 Governor
 Ted Stewart
 Executive Director
 James W. Carter
 Division Director

1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801
 801-538-5340
 801-359-3940 (Fax)
 801-538-7223 (TDD)

FACSIMILE COVER SHEET

DATE: 01-09-98

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 4

TO: KEBBIE JONES
INLAND PRODUCTION COMPANY

FAX NUMBER: (801)722-9149

FROM: LISHA CORDOVA
DIVISION OF OIL GAS AND MINING

PHONE: (801) 538-5340
 FAX: (801) 359-3940

SUBJECT: PLEASE REVIEW ENTITY ASSIGNMENTS FOR THE UNITS LISTED BELOW:
ASHLEY, BOUNDARY, SAND WASH (GREEN RIVER) *PLATS ATTACHED

REMARKS: IF YOU WOULD LIKE A "COMMON" ENTITY NUMBER ASSIGNED FOR
REPORTING PURPOSES, PLEASE LET ME KNOW ASAP! ANY QUESTIONS, PLEASE
CALL ME AT 538-5296. THANK YOU!

Should you encounter any problems with this copy, or do not receive all the pages, please call

Important: This message is intended for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return this original message to us at the above address via regular postal service. Thank you.



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

OPERATOR CHANGE WORKSHEET

ROUTING

| |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

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

CA No.

Unit:

SAND WASH (GREEN RIVER)

WELL(S)

| NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|-------------------------|-----|------|------|------------|-----------|------------|-----------|-------------|
| BOUNDARY FED 13-19-8-17 | 19 | 080S | 170E | 4301331625 | 12308 | Federal | WI | A |
| TAR SANDS FED 12-30 | 30 | 080S | 170E | 4301331543 | 12308 | Federal | OW | P |
| TAR SANDS FED 5-30 | 30 | 080S | 170E | 4301331620 | 12308 | Federal | WI | A |
| TAR SANDS FED 4-30 | 30 | 080S | 170E | 4301331621 | 12308 | Federal | OW | P |
| TAR SANDS FED 13-30 | 30 | 080S | 170E | 4301331637 | 12308 | Federal | WI | A |
| TAR SANDS FED 16-30 | 30 | 080S | 170E | 4301331708 | 12308 | Federal | OW | P |
| TAR SANDS FED 14-30 | 30 | 080S | 170E | 4301331711 | 12308 | Federal | OW | P |
| TAR SANDS 6-30-8-17 | 30 | 080S | 170E | 4301331712 | 12308 | Federal | OW | P |
| TAR SANDS FED 11-30 | 30 | 080S | 170E | 4301331732 | 12308 | Federal | WI | A |
| TAR SANDS FED 3-30 | 30 | 080S | 170E | 4301331755 | 12308 | Federal | WI | A |
| HARBOUR TOWN FED 31-30 | 30 | 080S | 170E | 4301331758 | 12308 | Federal | OW | P |
| TAR SANDS FED 7-30 | 30 | 080S | 170E | 4301331807 | 12308 | Federal | WI | A |
| TAR SANDS FED 10-30 | 30 | 080S | 170E | 4301331808 | 12308 | Federal | OW | P |
| GOVERNMENT 31-2 | 31 | 080S | 170E | 4301320082 | 12308 | Federal | OW | P |
| TAR SANDS FED 4-31 | 31 | 080S | 170E | 4301331606 | 12308 | Federal | OW | P |
| TAR SANDS FED 5-31 | 31 | 080S | 170E | 4301331607 | 12308 | Federal | WI | A |
| TAR SANDS FED 8-31 | 31 | 080S | 170E | 4301331615 | 12308 | Federal | OW | P |
| TAR SANDS FED 9-31 | 31 | 080S | 170E | 4301331616 | 12308 | Federal | OW | P |
| TAR SANDS FED 1-31 | 31 | 080S | 170E | 4301331654 | 12308 | Federal | WI | A |
| TAR SANDS FED 7-31 | 31 | 080S | 170E | 4301331684 | 12308 | Federal | WI | A |
| TAR SANDS FED 6-31 | 31 | 080S | 170E | 4301331686 | 12308 | Federal | OW | P |
| TAR SANDS FED 3-31 | 31 | 080S | 170E | 4301331733 | 12308 | 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

NEWFIELD



June 1, 2007

Mr. Brad Hill
State of Utah, DOGM
1594 West North Temple-Suite 1310
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Re-completion
Tar Sands 4-31-8-17
Sec.31, T8S, R17E
API #4301331606

Dear Mr. Brad Hill:

The subject well had new perforations added in the Green River Formation. Then put back on production. Please find enclosed the sundry.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jentri Park".

Jentri Park
Production Clerk

RECEIVED

JUN 04 2007

DIV. OF OIL, GAS & MINING

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
SAND WASH UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
TAR SANDS FED 4-31

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331606

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 635 FNL 549 FWL

COUNTY: DUCHESNE

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

STATE: UT

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

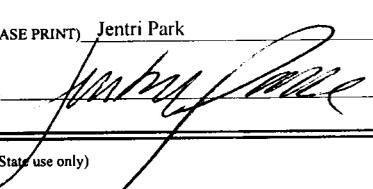
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARITLY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/01/2007 | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/STOP) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> OTHER: - |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

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

The above subject well had recompletion procedures performed on 05/08/07, see attached daily status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 06/01/2007

(This space for State use only)

RECEIVED

JUN 04 2007

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

TAR SANDS 4-31-8-17

~~3/1/2007~~ To ~~7/30/2007~~

5 5/09

5/1/2007 Day: 1

Recompletion

Western #4 on 4/30/2007 - MIRU Western #4. RU HO trk & pump 50 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 50 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW & pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH W/ rod string--LD pump. Re-flushed rods W/ 30 add'l BW halfway out. No sign of scale on rods or pump. SIFN W/ est 135 BWTR.

5/2/2007 Day: 2

Recompletion

Western #4 on 5/1/2007 - ND wellhead. PU on tbg & found TA released. NU BOP. TOH & talley production tbg--LD BHA. No scale on tbg. RU Perforators LLC & run 4.7 gauge ring to 4550'. MU & RIH W/ Weatherford 5 1/2" solid composite frac plug. Set plug @ 4510' & pull out of hole. RU pump & fill hole W/ 72 BW. Pressure test plug to 1000 psi. RIH W/ 10' X 3 1/8" slick perf gun. Stack out @ 2925'--unable to work gun through wax plug. Pull out & add weight bar. RIH & stack out again. RD WLT. TIH W/ NC & tbg to 3473'. RU & circ oil plug f/ well. TOH W/ tbg & NC. RU WLT & RIH W/ perf gun. Perf GB6 sds @ 4464-74' W/ 4 JSPF. RD WLT.

5/3/2007 Day: 3

Recompletion

Western #4 on 5/2/2007 - NU BJ Services isolation tool. RU BJ Services. 0 psi on well. Frac GB6 sds w/ 34,046#'s of 20/40 sand in 350 bbls of Lightning 17 fluid. Broke @ 2021 psi. Treated w/ ave pressure of 2464 psi @ ave rate of 24.9 BPM. ISIP 2465 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 1 1/2 hrs & died. Rec. 135 BTF. ND BJ's isolation tool. PU & RIH w/ 4 3/4" bit, bit sub & 145 jts of 2 7/8 LS tbg. Tagged plug @ 4510'. RU pump & lines. C/O well clean. LD 2 jts of tbg. EOT @ 4456'. RU swab equipment. SIWFN w/ 422 BWTR.

5/4/2007 Day: 4

Recompletion

Western #4 on 5/3/2007 - 160 psi on well. IFL @ surface. Made 6 swab runs. Rec 61 BTF. FFL @ 1000'. Final oil cut, Trace, No sand. RD swab equipment. TIH w/ 2 jts of tbg. Tagged sand @ 4507'. RU Nabors power swivel. Circulate sand & drill out composite BP (35 mins). Lost a total of 105 BW during drill out. Tagged fill @ 5892'. RD drilling equipment. LD 7 jts of tbg. TOH w/ tbg. LD 4 3/4" bit & bit sub. PU & RIH w/ production tbg as follows: NC, 2-jts, SN, 2-jts, 5 1/2" TA, 176 jts of 2 7/8 LS tbg. ND BOP. Set TA w/ 16,000#'s tension @ 5516', SN @ 5612', EOT @ 5676'. NU WH. Pump 60 BW down tbg. PU & RIH w/ 2 1/2" X 1 1/2" X 15 1/2' RHAC pump w/ 124" stroke, 6- 1 1/2" wt bars (New), 20- 3/4" guided rods (New). PU 1 1/2" X 22' polish rod. SIWFN w/ 526 BWTR.

5/5/2007 Day: 5

Recompletion

Western #4 on 5/4/2007 - Tbg was on a vaccumm. LD polish rod. Continue TIH w/ rods. Total rod detail as follows: 2 1/2" X 1 1/2" X 15 1/2' RHAC pump w/ 124" stroke, 6- 1 1/2" wt bars (New), 20- 3/4" guided rods (New), 100- 3/4" plain rods, 97- 3/4" guided rods, 1-8', 1-6', 1-4', 1-2' X 3/4" pony rods, 1 1/2" X 22' polish rod. Hang head, Space out rods. Fill tbg w/ 17 BW. Pressure test w/ unit to 800 psi. 543

BWTR. Left unit down for trace pump repair. Final report will follow.

5/9/2007 Day: 6

Recompletion

Rigless on 5/8/2007 - Place well on production @ 4:00 PM, (05/04/07), @ 5 SPM, Est 543 BWTR.. Final Report.

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>

MAR 3 1 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

RECEIVED

APR 07 2010

DIV. OF OIL, GAS & MINING

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

RE: Additional Well: Sand Wash Area Permit
Well ID: UT20847-08667
Tar Sands Federal No. 4-31-8-17
NW NW Sec. 31-T8S-R17E
Duchesne County, Utah
API #43-013-31606

Dear Mr. Sundberg:

Newfield Production Company's (Newfield) request to convert a former Green River Formation oil well, Tar Sands Federal No. 4-31-8-17, to an enhanced recovery injection well under the Sand Wash Area Permit is hereby authorized by the Environmental Protection Agency Region 8 (EPA) under the terms and conditions of the Authorization for Additional Well.

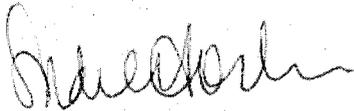
The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Sand Wash Area Permit No. UT20847-00000, and subsequent modifications.

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 3,910 feet and the top of the Wasatch Formation, estimated at 6,312 feet. Prior to receiving authorization to inject into Tar Sands Federal No. 4-31-8-17, EPA requires that Newfield submit for review and approval the results of a Part 1 (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, and the results of a Radioactive Tracer Survey conducted during a 180-day Limited Authorization to Inject.

The initial Maximum Allowable Injection Pressure (MAIP) for the Tar Sands Federal No. 4-31-8-17 was determined to be 1,095 psig. UIC Area Permit UT20847-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a Step-Rate Test that demonstrates that the formation breakdown pressure will not be exceeded.

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

Sincerely,



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

Encl: Authorization for Conversion of an Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Proposed Conversion Schematic: Tar Sands Federal No. 4-31-8-17
Proposed P&A Schematic: Tar Sands Federal No. 4-31-8-17
EPA Form No. 7520-13 (Plugging Record)

cc: Permit Letter:
Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Irene Cuch, Vice-Chairwoman
Ronald Groves, Councilman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

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

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
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

Sand Wash UIC Area Permit No: UT20847-00000

Sand Wash Final UIC Area Permit UT20847-00000, effective May 26, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. November 4, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

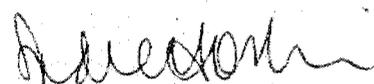
Well Name: Tar Sands Federal No. 4-31-8-17
EPA Well ID Number: UT20847-08667
Location: 549' FWL & 635' FNL
NW NW Sec. 31 -T8S-R17E
Duchesne County, Utah
API #43-013-31606

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

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

This Authorization is effective upon signature.

Date: MAR 31 2010




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

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

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Tar Sands Federal No. 4-31-8-17
EPA Well ID Number: UT20847-08667

Prior to Commencing Injection Operations, the Permittee shall submit the following information:

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

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

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

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

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a Temperature Log, Oxygen Activation Log, or Noise Log at a frequency no less than once every five (5) years following the last successful test.

PLEASE NOTE THAT ALL DEPTHS ARE CALCULATED FROM KELLY BUSHING.

Approved Injection Zone: Injection is approved between the top of the Green River Formation-Garden Gulch Member (3,910 feet) to the estimated top of the Wasatch Formation at a depth of 6,312 feet.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,095 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D} \\ \text{FG} &= 0.685 \text{ psi/ft} \\ \text{SG} &= 1.015 \\ \text{D} &= 4,464 \text{ feet (top perforation depth)} \\ \text{MAIP} &= \underline{\underline{1,095 \text{ psig}}} \end{aligned}$$

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

Well Construction: Casing and Cementing: Tar Sands Federal No. 4-31-8-17 was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cementing records, including the Cement Bond Log (CBL), have not demonstrated the presence of adequate cement within the Administrative Confining Zone (3,716 feet – 3,910 feet) preventing migration of injection fluids behind the casing from the injection zone.

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

Demonstration of Mechanical Integrity: A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than once every five years after the last successful test.

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 shall be run within a 180-day Limited Authorization to inject period. If the RTS is not run, or if the RTS does not confirm adequate cement, the Permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as Temperature Log, Noise Log or Oxygen Activation Log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

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

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50-foot surface plug (Plug No. 4) shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 feet above the top perforation with a minimum 20-foot cement plug on top of the CIBP.
- PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench from approximately 3,050 feet – 3,220 feet unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 170-foot balanced cement plug inside the 5-1/2 inch casing from approximately 3,050 feet – 3,220 feet.
- PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the contact between the Uinta Formation and Green River Formation (1,660 feet) from approximately 1,600 feet – 1,720 feet unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2 inch casing from approximately 1,600 feet - 1,720 feet.
- PLUG NO. 4: Set a Class “G” cement plug within the 5-1/2 inch casing to 340 feet and up the 5-1/2 inch x 8-5/8 inch casing annulus to the surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Tar Sands Federal No. 4-31-8-17
EPA Well ID Number: UT20847-08667

Underground Sources of Drinking Water (USDWs): USDWs in the Sand Wash Unit Area Permit generally occur within the Uinta Formation. According to "Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92," the base of moderately saline ground water may be found at approximately 65 feet below ground surface in Tar Sands Federal No. 4-31-8-17.

http:NRWRT1.NR.STATE.UT.US: There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the Tar Sands Federal No. 4-31-8-17.

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

- TDS of the Garden Gulch and Douglas Creek Members of the Green River Formation Water: 17,875 mg/l.
- TDS of Sand Wash Facility Injection System source water: 3,186 mg/l.

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

Confining Zone: The 194-foot (3,716 feet – 3,910 feet) confining shale directly overlies the top of the Garden Gulch Member.

Injection Zone: The Injection Zone in Tar Sands Federal No. 4-31-8-17 contains approximately 2,402 feet of interbedded and lenticular sand, shale, marlstone and limestone from the top of the Garden Gulch Member (3,910 feet) to the estimated top of the Wasatch Formation at 6,312 feet. All formation and member tops are based on correlations to Newfield Production Federal No. 1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL does not show 80% or greater cement bond index in the Administrative Confining Zone (3,716 feet – 3,910 feet). Demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8 inch casing is set at 290 feet in a 12-1/4 inch hole, using 120 sacks Premium cement, cemented to the surface.

Longstring Casing: 5-1/2 inch casing is set at 6,222 feet in a 7-7/8 inch hole secured with 700 sacks of cement Total driller depth 6,226 feet. Plugged back total depth is 6,178 feet. CBL top of cement is 1,242 feet.

Perforations: Top perforation: 4,464 feet. Bottom perforation: 5,582 feet.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

Three (3) wells penetrating Administrative Confining Zone, within or proximate to a 1/4 mile radius around the Tar Sands Federal No. 4-31-8-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs. No Corrective Action is required.

Tar Sands Federal No. 5-31-8-17 UT20847-04515 SW NW Sec. 30-T8S-R17E
80% bond index cement bond (3,580 feet – Total Depth) crosses Administrative Confining Zone 3,823 feet – 3,892 feet. .

Monument Butte State No. 1A-36-8-16 STATE PERMIT NE NE Sec. 36-T8S-R16E
Utah Permit-Statement of Basis: “On newly drilled wells cement tops are sometimes difficult to determine because the operator has been using a highlift light cement as a lead cement. This cement has low compressive strength and does not show up as a good bond on CBL”. Monument Butte State No. 1A-36-8-16 is regularly monitored.

Tar Sands Federal No. 13-30-8-17 UT20842-04407 SW SW Sec. 30-T8S-R17E
80% bond index cement bond (3,870 feet – 4,123 feet) has adequate presence in the Administrative Confining Zone (3,852 feet – 3,918 feet).

Reporting of Noncompliance:

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

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

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

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

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

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

UT 20847-08667 Tar Sands Federal #4-31-8-17

Spud Date: 7/22/96
Put on Production: 8/26/96
GL: 5312' KB: 5325'

Initial Production: 45 BOPD,
45 MCFPD, 3 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24# *Burgundy*
LENGTH: 7 jts. (291.13')
DEPTH LANDED: 289.53'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55 *Green River*
WEIGHT: 15.5# *1660'*
LENGTH: 156 jts. (6224.10')
DEPTH LANDED: 6222.10'
HOLE SIZE: 7-7/8"
CEMENT DATA: 330 sk Hybond mixed & 370 sxs thixotropic
CEMENT TOP AT: 1242'

TUBING

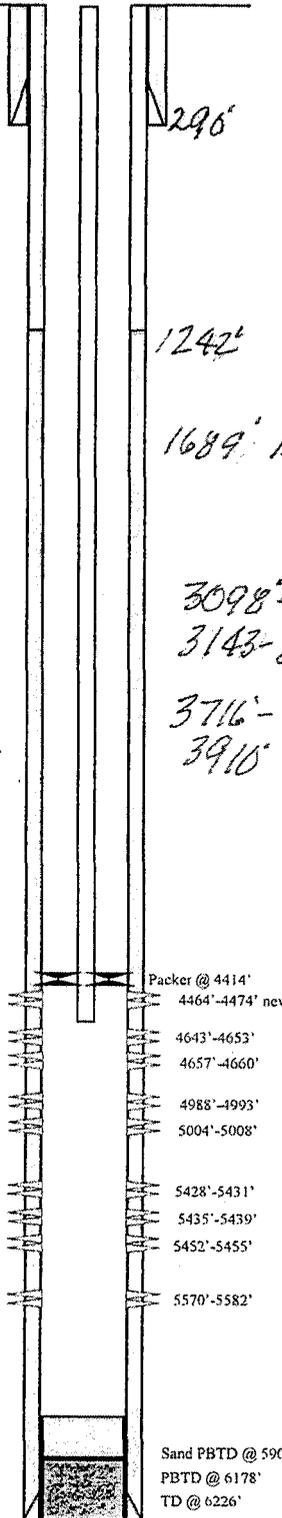
SIZE/GRADE/WT: 2-7/8" 16.5#/L.S tbg.
NO. OF JOINTS: 176 jts. (5503.34)
TUBING ANCHOR: 5516.34' *802 band 3950'-4266'*
NO. OF JOINTS: 3 jt. (93.31)
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5612.45'
NO. OF JOINTS: 2 jt. (62.31)
TOTAL STRING LENGTH: EOT @ 5676.31'

FRAC JOB

| | | |
|---------|-------------|---|
| 8/14/96 | 5570'-5582' | Frac LDC sand as follows: 87,700# 20/40 sand in 484 bbls of Boragel Treated @ avg rate of 20 bpm w/avg press of 2000 psi. ISIP-2339 psi. Calc. flush: 5570 gal. Actual flush: 5494 gal. |
| 8/16/96 | 5428'-5455' | Frac A-3 sand as follows: 86,700# of 20/40 sand in 478 bbls of Boragel. Treated @ avg rate of 18.3 bpm w/avg press of 2050 psi. ISIP-3007 psi. Calc. flush: 5428 gal. Actual flush: 5332 gal. |
| 8/19/96 | 4988'-5008' | Frac D-2 sand as follows: 86,500# of 20/40 sand in 475 bbls of Boragel. Treated @ avg rate of 18 bpm w/avg press of 2200 psi. ISIP-2793 psi. Calc. flush: 4988 gal. Actual flush: 4920 gal. |
| 8/21/96 | 4643'-4660' | Frac PB-10 sand as follows: 99,400# of 20/40 sand in 546 bbls of Boragel. Treated @ avg rate of 22.2 bpm w/avg press of 2600 psi. ISIP-3453 psi. Calc. flush: 4643 gal. Actual flush: 4652 gal. |
| 5/2/07 | 4464'-4474' | Frac GB6 sds as follows: 14,046# 20/40 sand in 350 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2464 psi @ ave rate of 24.9 BPM. ISIP 2465 psi Actual flush: 4452 gals Workover. Rod & Tubing detail updated |

07/01/08

3098'-3143' Trans
3143'-3168' Mahogany Bench
3716'-3910' Conforms Zone
3910' Garden Gulch
4026'-4111' "A" shale cz
4145'-4228' "B" shale cz



PERFORATION RECORD

| Date | Depth Range | Perforation Type | Number of Holes |
|---------|-------------|------------------|-----------------|
| 8/13/96 | 5570'-5582' | 4 JSPF | 48 holes |
| 8/15/96 | 5428'-5431' | 4 JSPF | 12 holes |
| 8/15/96 | 5435'-5439' | 4 JSPF | 16 holes |
| 8/15/96 | 5452'-5455' | 4 JSPF | 12 holes |
| 8/17/96 | 4988'-4993' | 4 JSPF | 20 holes |
| 8/17/96 | 5004'-5008' | 4 JSPF | 16 holes |
| 8/20/96 | 4643'-4653' | 4 JSPF | 40 holes |
| 8/20/96 | 4657'-4660' | 4 JSPF | 12 holes |
| 5/2/07 | 4464'-4474' | 4 JSPF | 40 holes |

Sand PBTD @ 5907'
PBTD @ 6178'
TD @ 6226'

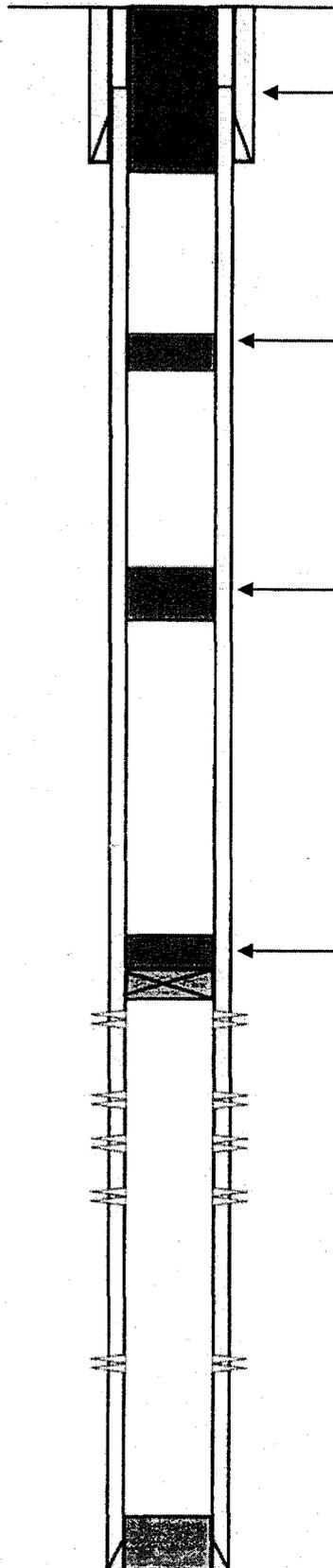
6187' basal carbonate

Est. Water 6312'

NEWFIELD

Tar Sands Federal #4-31-8-17
549' FWL & 635' FNL
NW/NW Section 31-T8S-R17E
Duchesne Co, Utah
API #43-013-31606; Lease #UTU-74869

Plugging and Abandonment Diagram Tar Sands Federal No. 4-31-8-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 340 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 1,600 feet - 1,720 feet unless existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot balanced cement plug inside the casing from approximately 1,600 feet - 1,720 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 3,050 feet - 3,220 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 170-foot balanced cement plug inside the casing from approximately 3,050 feet - 3,220 feet.

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



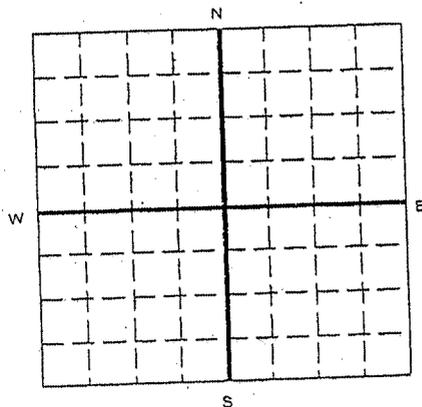
United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on
Section Plat - 640 Acres



| | | |
|---|---|---|
| State | County | Permit Number |
| Surface Location Description ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township ___ Range ___ | | |
| Locate well in two directions from nearest lines of quarter section and drilling unit | | |
| Surface Location ___ ft. 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 <hr/> Total Depth After Rework <hr/> Date Rework Commenced <hr/> 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 | |
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WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

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



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

N

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
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W

E

S

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 _____

Lease Name _____

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

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 |
|------|-----------|-----------------------|------------------------|-----------|
| | | | | |
| | | | | |
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| | | | | |

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

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
REGION 8**

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

FEB 23 2012

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

RECEIVED

FEB 29 2012

DIV. OF OIL, GAS & MINING

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

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

Re: Underground Injection Control (UIC)
Additional Well to Sand Wash Area Permit
EPA UIC Permit UT20847-09447
Well: Tar Sands Federal 4-31-8-17
NWNW Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31606

Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Tar Sands Federal 4-31-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Lone Tree Area Permit No. UT20847-00000 and subsequent modifications.

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

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

Sincerely,



for
Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore Schematic for Tar Sands Federal 4-31-8-17

cc: Letter Only:

Uintah & Ouray Business Committee:

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
District Manager
Newfield Production Company
Myton, Utah

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET

DENVER, CO 80202-1129

Phone 800-227-8917

http://www.epa.gov/region08

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20847-00000

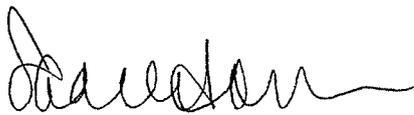
The Sand Wash Unit Final UIC Area Permit UT20847-00000, effective May 26, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 16, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

| | |
|-----------------------|---|
| Well Name: | Tar Sands Fed. 4-31-8-17 |
| EPA Permit ID Number: | UT20847-09447 |
| Location: | 549'FWL & 635' FNL NWNW Sec. 31 T8S-R17E Duchesne County, Utah API #43-013-31606 |

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

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

This Authorization is effective upon signature.

Date: 2/22/12 

for **Callie A. Videtich**
 *Acting Assistant Regional Administrator
 Office of Partnerships and Regulatory Assistance

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

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Tar Sands Federal 4-31-8-17**

EPA Well ID Number: **UT20847-09447**

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

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

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

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

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **960 psig**, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.665 psi/ft, SG is 1.015 and D is 4,464 ft.

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

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

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

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between 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:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.

(4) Isolate Surface Fluid Migration Paths:

- a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Tar Sands Federal 4-31-8-17**

EPA Well ID Number: **UT20847-09447**

Underground Sources of Drinking Water (USDWs): USDWs in the Sand Wash Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 65 ft. below ground surface in the Tar Sands Federal 4-31-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20771-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer

*Authorization for Additional Well: UIC Area Permit UT20847-00000
Well: Tar Sands Federal 4-31-8-17 EPA Well ID: UT2084709447*

exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

Surface Casing: 8-5/8" casing is set at 290 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 5,676 ft. in a 7-7/8" hole secured with 700 sacks of cement. Total driller depth is 6,226 ft. Plugged back total depth is 6,178 ft. EPA calculates top of cement at 1,641 ft. Estimated CBL top of cement is 1,242 ft.

Perforations: Top perforation: 4,464 ft. Bottom perforation: 5,582 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Tar Sands Federal 4-31-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Tar Sands 3-31-8-17 API: 43-013-31733 NENW Sec. 31-T8S-R17E
This well is an injection well authorized by UIC Permit UT20847-04442.

Tar Sands Fed.5-31-8-17 API: 43-013-31607 SWNW Sec. 31-T8S-R17E
The well is an injection well authorized by UIC Permit UT20847-04515.

Authorization for Additional Well: UIC Area Permit UT20847-00000
Well: Tar Sands Federal 4-31-8-17 EPA Well ID: UT20847-09447

Tar Sands Fed. 13-30-8-17 API: 43-013-31637 SWSW Sec. 30-T8S-R17E
This well is an injection well authorized by UIC Permit UT20847-04407

Monument Butte State 1A-36-8-16 API: 43-013-31599 NENE Sec. 36-T8S-R16E
Top of cement is at the surface in this well.

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Corrective Action Required on "X" AOR Wells: For each of the following AOR wells, which either do not have top of cement behind the outermost casing string above the base of the Confining Zone or for which EPA does not have evidence of top of cement behind the outermost casing string above the base of the Confining Zone, Newfield shall meet one of the following requirements for each well *prior to* commencing injection into the Tar Sands Federal 4-31-8-17 well:

- 1) for any *injection* well located within the ¼-mile AOR, maintain or provide documentation of a current Part II (external) mechanical integrity demonstration on that AOR well; OR
- 2) for any injection or producing well, perform corrective action on that AOR well by emplacing cement behind the outermost casing string through the Confining Zone and demonstrating to the satisfaction of the Director that the top of cement is higher than the base of the Confining Zone; OR
- 3) for any injection or producing well, demonstrate to the satisfaction of the Director that the pressure at the AOR well caused by neighboring injection activity is insufficient to move fluid into a USDW through vertical channels adjacent to the wellbore; OR
- 4) not commence injection into the Tar Sands Federal 4-31-8-17

Reporting of Noncompliance:

- 1) 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.
- 2) 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.
- 3) (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:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) 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.

9447

UT 208 47-0 ~~8667~~ Tar Sands Federal #4-31-8-17

Spud Date: 7/22/96
Put on Production: 8/26/96
GL: 5312' KB: 5325'

Initial Production: 45 BOPD,
45 MCFPD, 3 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

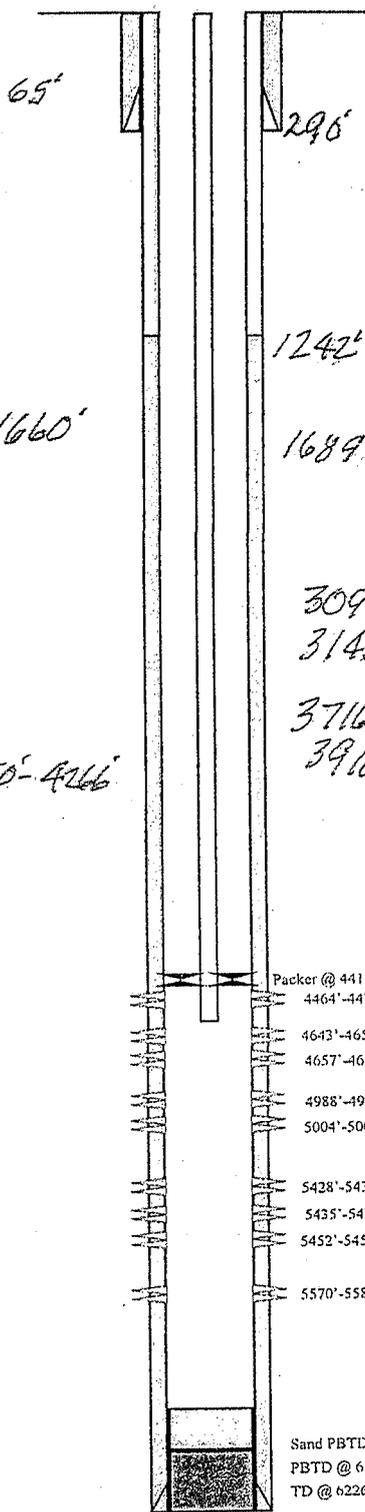
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24# *Bygones*
LENGTH: 7 jts. (291.13')
DEPTH LANDED: 289.53'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55 *Green River*
WEIGHT: 15.5# *1660'*
LENGTH: 156 jts. (6224.10')
DEPTH LANDED: 6222.10'
HOLE SIZE: 7-7/8"
CEMENT DATA: 330 sk Hybond mixed & 370 sxs thixotropic
CEMENT TOP AT: 1242'

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg
NO. OF JOINTS: 176 jts. (5503.34)
TUBING ANCHOR: 5516.34' *800 bond 3950'-4166'*
NO. OF JOINTS: 3 jt. (93.31)
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5612.45'
NO. OF JOINTS: 2 jt. (62.31)
TOTAL STRING LENGTH: BOT @ 5676.31'



FRAC JOB

| | | |
|---------|-------------|--|
| 8/14/96 | 5570'-5582' | Frac LDC sand as follows: 37,700# 20/40 sand in 484 bbls of Boragel Treated @ avg rate of 20 bpm w/avg press of 2000 psi. ISIP-2339 psi. Calc. flush: 5570 gal. Actual flush: 5494 gal. |
| 8/16/96 | 5428'-5455' | Frac A-3 sand as follows: 36,700# of 20/40 sand in 478 bbls of Boragel. Treated @ avg rate of 18.3 bpm w/avg press of 2050 psi. ISIP-3007 psi. Calc. flush: 5428 gal. Actual flush: 5332 gal. |
| 8/19/96 | 4988'-5008' | Frac D-2 sand as follows: 36,500# of 20/40 sand in 475 bbls of Boragel. Treated @ avg rate of 18 bpm w/avg press of 2200 psi. ISIP-2793 psi. Calc. flush: 4988 gal. Actual flush: 4920 gal. |
| 8/21/96 | 4643'-4660' | Frac PB-10 sand as follows: 99,400# of 20/40 sand in 546 bbls of Boragel. Treated @ avg rate of 22.2 bpm w/avg press of 2600 psi. ISIP-3453 psi. Calc. flush: 4643 gal. Actual flush: 4652 gal. |
| 5/2/07 | 4464'-4474' | Frac GB6 sds as follows: 34,046# 20/40 sand in 350 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2464 psi @ ave rate of 24.9 BPM. ISIP 2465 psi Actual flush: 4452 gals Workover. Rod & Tubing detail updated |

07/01/08
3098'-3148' Trans
3143'-3168' Mahogany Bench
3716'-3910' Confining Zone
3910' Garden Gulch
4026'-4111' "A" Shale CZ
4145'-4228' "B" Shale CZ

Packer @ 4414'
4464'-4474' new
4643'-4653'
4657'-4660'
4988'-4993'
5004'-5008'
5428'-5431'
5435'-5439'
5452'-5455'
5570'-5582'

• 4807 Trout Creek

Sand PBTD @ 5907'
PBTD @ 6178'
TD @ 6226' *6187' basal carbonate*

PERFORATION RECORD

| | | | |
|---------|-------------|--------|----------|
| 8/13/96 | 5570'-5582' | 4 JSPP | 48 holes |
| 8/15/96 | 5428'-5431' | 4 JSPP | 12 holes |
| 8/15/96 | 5435'-5439' | 4 JSPP | 16 holes |
| 8/15/96 | 5452'-5455' | 4 JSPP | 12 holes |
| 8/17/96 | 4988'-4993' | 4 JSPP | 20 holes |
| 8/17/96 | 5004'-5008' | 4 JSPP | 16 holes |
| 8/20/96 | 4643'-4653' | 4 JSPP | 40 holes |
| 8/20/96 | 4657'-4660' | 4 JSPP | 12 holes |
| 5/2/07 | 4464'-4474' | 4 JSPP | 40 holes |

NEWFIELD



Tar Sands Federal #4-31-8-17
549' FWL & 635' FNL
NW/NW Section 31-T8S-R17E
Duchesne Co, Utah
API #43-013-31606; Lease #UTU-74869

Est. Mtsch 6312'

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| 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. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869 |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL Oil Well | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 8. WELL NAME and NUMBER: TAR SANDS FED 4-31 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052 | | 9. API NUMBER: 4301331606000 |
| PHONE NUMBER: 435 646-4825 Ext | | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0635 FNL 0549 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 31 Township: 08.0S Range: 17.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/2/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

The subject well has been converted from a producing oil well to an injection well on 03/23/2012. On 03/26/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/02/2012 the casing was pressured up to 1600 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-09447

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 12, 2012**

| | | |
|---|-------------------------------------|---|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 4/4/2012 | |

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 4 / 2 / 2012
 Test conducted by: Troy Lazenby
 Others present: _____

| | | |
|---|--------------|--|
| Well Name: <u>Tar Sands Federal 4-31-8-17</u> | Type: ER SWD | Status: AC TA UC |
| Field: _____ | | |
| Location: <u>4-31-8-17</u> Sec: <u>31</u> T <u>8</u> N/S R <u>17</u> (E)/W County: <u>Duchesne</u> State: <u>Utah</u> | | |
| Operator: <u>Troy Lazenby</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: 0 bpd

Pre-test casing/tubing annulus pressure: 0 psig

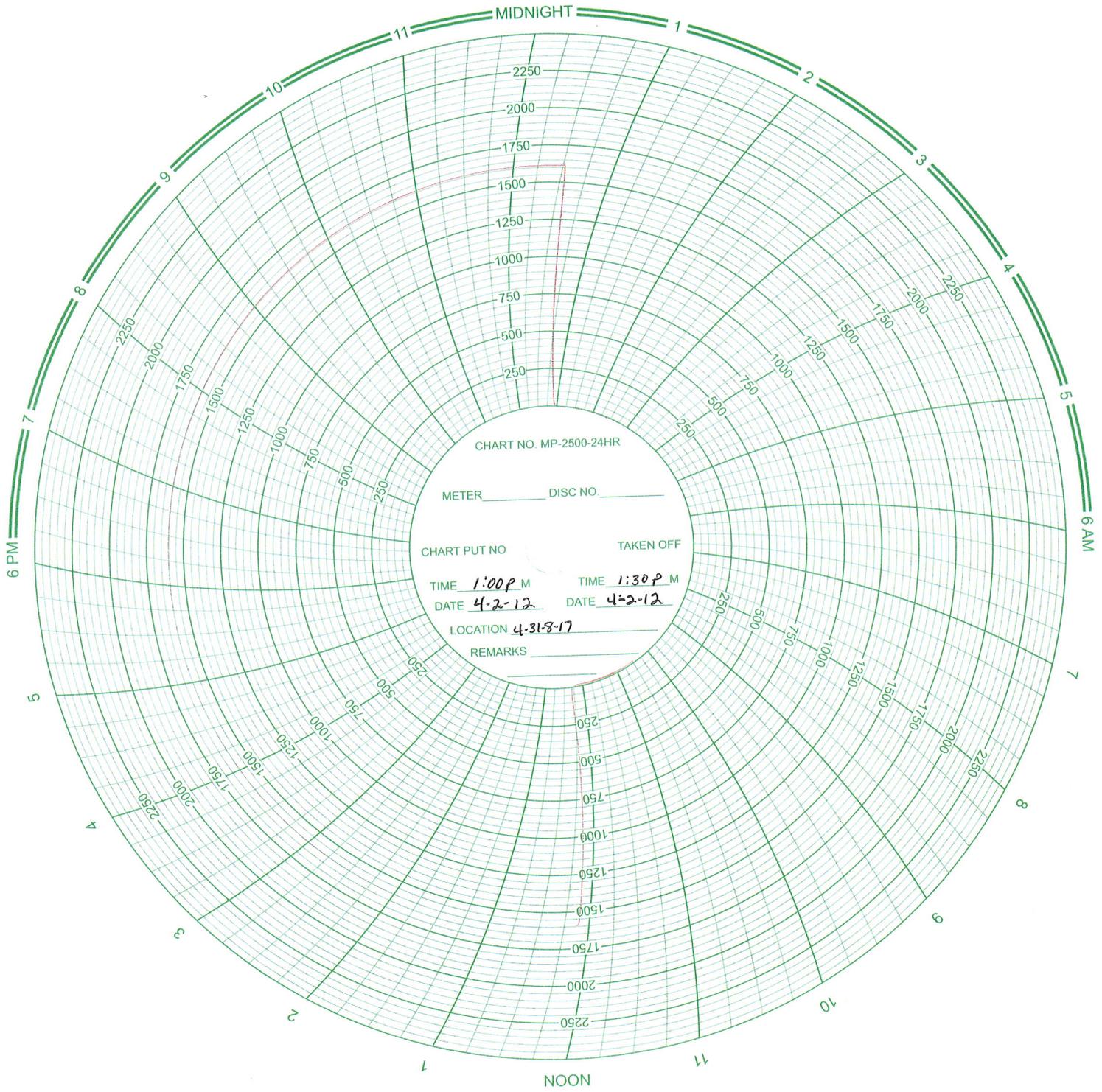
| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---|---|---|---|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>0</u> psig | psig | psig |
| End of test pressure | <u>0</u> psig | psig | psig |
| CASING / TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1600</u> psig | psig | psig |
| 5 minutes | <u>1600</u> psig | psig | psig |
| 10 minutes | <u>1600</u> psig | psig | psig |
| 15 minutes | <u>1600</u> psig | psig | psig |
| 20 minutes | <u>1600</u> psig | psig | psig |
| 25 minutes | <u>1600</u> psig | psig | psig |
| 30 minutes | <u>1600</u> psig | psig | psig |
| _____ minutes | psig | psig | psig |
| _____ minutes | psig | psig | psig |
| RESULT | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____



Daily Activity Report**Format For Sundry****TAR SANDS 4-31-8-17****1/1/2012 To 5/30/2012****1/18/2012 Day: 1****Host Well Gyro**

WWS #1 on 1/18/2012 - TOH w/ rods. Ran gyro. TIH w/ rods. Pressure test. Clamp off rods. RD MOSU - MIRU WWS #1. Hot oiler pumped 60 BW down csg. Unseat rod pump. Flush rods w/ 40 BW. Soft seat rod pump. Fill tbg w/ 18 BW. Pressure test to 3000 psi. TOH w/ rods. RU V.E.S WL truck. Run gyro. PU & RIH w/ John Crane 2 1/2" X 1 1/2" X 12' X 16' RHAC and rods same as pulled. Fill tbg w/ 10 BW. Pressure test to 800 psi. Clamp off rods. RD MOSU. Left well down for 20 acre host well. (All cost to be billed out to GMB G-31-8-17, AFE# 25862. 880-157, WWS #1 \$4775, Advantage hot oil \$1722, John Crane rod pump \$2200, NSDI wtr \$400, V.E.S \$5399) - MIRU WWS #1. Hot oiler pumped 60 BW down csg. Unseat rod pump. Flush rods w/ 40 BW. Soft seat rod pump. Fill tbg w/ 18 BW. Pressure test to 3000 psi. TOH w/ rods. RU V.E.S WL truck. Run gyro. PU & RIH w/ John Crane 2 1/2" X 1 1/2" X 12' X 16' RHAC and rods same as pulled. Fill tbg w/ 10 BW. Pressure test to 800 psi. Clamp off rods. RD MOSU. Left well down for 20 acre host well. (All cost to be billed out to GMB G-31-8-17, AFE# 25862. 880-157, WWS #1 \$4775, Advantage hot oil \$1722, John Crane rod pump \$2200, NSDI wtr \$400, V.E.S \$5399) **Finalized**

Daily Cost: \$0**Cumulative Cost: \$300****3/22/2012 Day: 1****Conversion**

NC #1 on 3/22/2012 - P/Tst Tbg, POOH L/D Rod Prod Strng, N/D W/-HD, N/U BOP, Rel T/A, C/SDFN. - 5:30AM-6:00AM C/Trvl. 6:00AM OWU, POOH W/-142 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, POOH L/D 34 Jts Tbg, T/A, 3 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float. Flushed Tbg W/-20 BW On TOOH Due To Oil. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 141 Jts Tbg, pmp 20 BW D/Tbg, Drop SV, Fill Tbg W/- 21 BW, P/Test Tbg To 3,000 Psi, Tbg Psi Did Not Stabilize, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 11:30AM MIRU NC#1. R/D Unit, Unseat pmp, BMW H/Oiler Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. Unseat pmp, POOH & L/D 1 1/2X22' Polish Rod, 3/4 X2'-4'-6'-8' Ponys, 97-3/4 4 Per, 100- 3/4 Slick, 20-3/4 4 Per, 6- 1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, Rel T/A, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 11:30AM MIRU NC#1. R/D Unit, Unseat pmp, BMW H/Oiler Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. Unseat pmp, POOH & L/D 1 1/2X22' Polish Rod, 3/4 X2'-4'-6'-8' Ponys, 97-3/4 4 Per, 100- 3/4 Slick, 20-3/4 4 Per, 6- 1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, Rel T/A, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl. 6:00AM OWU, POOH W/-142 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, POOH L/D 34 Jts Tbg, T/A, 3 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float. Flushed Tbg W/-20 BW On TOOH Due To Oil. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 141 Jts Tbg, pmp 20 BW D/Tbg, Drop SV, Fill Tbg W/- 21 BW, P/Test Tbg To 3,000 Psi, Tbg Psi Did Not Stabilize, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 11:30AM MIRU NC#1. R/D Unit, Unseat pmp, BMW H/Oiler Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. Unseat pmp, POOH & L/D 1 1/2X22' Polish Rod, 3/4 X2'-4'-6'-8' Ponys, 97-3/4 4 Per, 100- 3/4 Slick, 20-3/4 4 Per, 6- 1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, Rel T/A, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 11:30AM MIRU NC#1. R/D Unit, Unseat pmp, BMW H/Oiler Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. Unseat pmp, POOH & L/D 1 1/2X22' Polish Rod, 3/4 X2'-4'-6'-8' Ponys, 97-3/4 4 Per, 100- 3/4 Slick, 20-3/4 4 Per, 6- 1 1/2 Wt Bars & pmp, Flushed Tbg W/-20 BW On TOOH Due To Oil. N/D W/-HD, N/U BOP, Rel T/A, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. -

5:30AM-6:00AM C/Trvl. 6:00AM OWU, POOH W/-142 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, POOH L/D 34 Jts Tbg, T/A, 3 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float. Flushed Tbg W/-20 BW On TOOH Due To Oil. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 141 Jts Tbg, pmp 20 BW D/Tbg, Drop SV, Fill Tbg W/- 21 BW, P/Test Tbg To 3,000 Psi, Tbg Psi Did Not Stabilize, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl. 6:00AM OWU, POOH W/-142 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, POOH L/D 34 Jts Tbg, T/A, 3 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float. Flushed Tbg W/-20 BW On TOOH Due To Oil. P/U & RIH W/-5 1/2" Arrow #1 Pkr, S/N, 141 Jts Tbg, pmp 20 BW D/Tbg, Drop SV, Fill Tbg W/- 21 BW, P/Test Tbg To 3,000 Psi, Tbg Psi Did Not Stabilize, 5:00PM C/SDFN, 5:00PM-5:30PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$5,505

3/23/2012 Day: 3

Conversion

NC #1 on 3/23/2012 - Good Tst On Tbg 3,090 Psi Ovr Nite, Fish SV. N/D BOP, pmp 70 BW Pkr Fluid D/Csg, Set Pkr, N/U W/-HD, P/Tst Csg & Pkr To 1,500 Psi, Good Tst. R/D Rig, Move Out, Well Ready For MIT (Final Report) - 5:30AM-6:00AM C/Trvl. 6:00AM OWU W/-3,090 Psi On Tbg, Good Test. RIH W/-S/Line Ovr Shot & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, pmp 70 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, P/Tst Csg & Pkr To 1500 Psi, Good Test. Rack Out Eq, R/D Rig, Well Ready For MIT, Move Out @ 12:30PM (Final Report). - 5:30AM-6:00AM C/Trvl. 6:00AM OWU W/-3,090 Psi On Tbg, Good Test. RIH W/-S/Line Ovr Shot & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, pmp 70 BW W/-20 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, P/Tst Csg & Pkr To 1500 Psi, Good Test. Rack Out Eq, R/D Rig, Well Ready For MIT, Move Out @ 12:30PM (Final Report).

Daily Cost: \$0

Cumulative Cost: \$29,389

4/3/2012 Day: 4

Conversion

Rigless on 4/3/2012 - Conduct initial MIT - On 03/26/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/02/2012 the casing was pressured up to 1600 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-09447 - On 03/26/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 04/02/2012 the casing was pressured up to 1600 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-09447 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$106,709

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

APR 12 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

APR 18 2012

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

DIV. OF OIL, GAS & MINING

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

RE: Underground Injection Control (UIC)
Authorization to Commence Injection
EPA UIC Permit UT20847-09447
Well: Tar Sands Federal 4-31-8-17
NWNW Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31606

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) April 4, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20847-09447.

As of the date of this letter, Newfield is authorized to commence injection into the Tar Sands Federal 4-31-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 960 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

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

Ms. Sarah Roberts
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, Colorado 80202-1129

You may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20847-09447.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174.

Sincerely,



for Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company



Printed on Recycled Paper

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| 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. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869 |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL Water Injection Well | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 8. WELL NAME and NUMBER: TAR SANDS FED 4-31 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | | 9. API NUMBER: 43013316060000 |
| PHONE NUMBER: 435 646-4825 Ext | | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0635 FNL 0549 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 31 Township: 08.0S Range: 17.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

11.

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/18/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: <input type="text" value="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 11:50 AM on
04/18/2012. EPA # UT20847-09447

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 03, 2012**

| | | |
|---|-------------------------------------|---|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 4/18/2012 | |

Spud Date: 7/22/96
 Put on Production: 8/26/96
 GL: 5312' KB: 5325'

Tar Sands Federal 4-31-8-17

Initial Production: 45 BOPD,
 45 MCEPD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (291.13')
 DEPTH LANDED: 289.53'(GL)
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cnt, est 5 bbls cnt to surf.

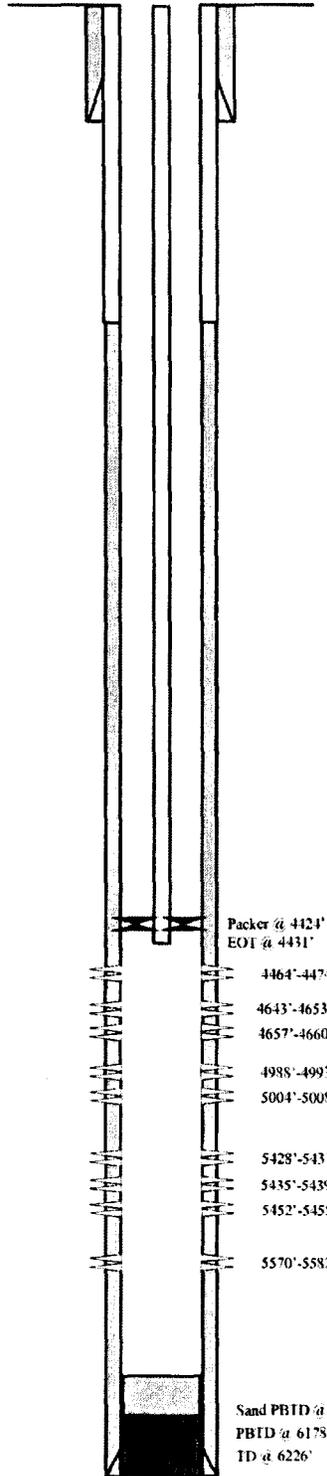
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 156 jts (6224.10')
 DEPTH LANDED: 6222.10'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 330 sk Hybond mixed & 370 sxs thixotropic
 CEMENT TOP AT: 1242'

TUBING

SIZE GRADE: WT: 2-7/8" LS: 6.5#
 NO. OF JOINTS: 141 jts (4410.0)
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4423.0'
 PACKER @ 4424.1'
 TOTAL STRING LENGTH: EOT @ 4431'

Injection Wellbore
 Diagram



FRAC JOB

| | | |
|----------|-------------|---|
| 8/14/96 | 5570'-5582' | Frac LDC sand as follows: 87,700# of 20/40 sand in 484 bbls of Boragel. Treated @ avg rate of 20 bpm w/avg press of 2000 psi. ISIP-2339 psi. Calc. flush: 5570 gal. Actual flush: 5494 gal. |
| 8/16/96 | 5428'-5455' | Frac A-3 sand as follows: 86,700# of 20/40 sand in 478 bbls of Boragel. Treated @ avg rate of 18.3 bpm w/avg press of 2050 psi. ISIP-3007 psi. Calc. flush: 5428 gal. Actual flush: 5332 gal. |
| 8/19/96 | 4988'-5008' | Frac D-2 sand as follows: 86,500# of 20/40 sand in 475 bbls of Boragel. Treated @ avg rate of 18 bpm w/avg press of 2200 psi. ISIP-2793 psi. Calc. flush: 4988 gal. Actual flush: 4920 gal. |
| 8/21/96 | 4643'-4660' | Frac PB-10 sand as follows: 99,400# of 20/40 sand in 546 bbls of Boragel. Treated @ avg rate of 22.2 bpm w/avg press of 2600 psi. ISIP-3453 psi. Calc. flush: 4643 gal. Actual flush: 4652 gal. |
| 5/2/07 | 4464'-4474' | Frac GB6 sds as follows: 34,046# of 20/40 sand in 350 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2464 psi @ ave rate of 24.9 BPM. ISIP 2465 psi. Actual flush: 4452 gals. |
| 07/01/08 | | Workover Rod & Tubing detail updated |
| 03/23/12 | | Convert to Injection Well |
| 04/02/12 | | Conversion MIT Finalized - tbg detail updated |

PERFORATION RECORD

| | | | |
|---------|-------------|--------|----------|
| 8/13/96 | 5570'-5582' | 4 JSPP | 48 holes |
| 8/15/96 | 5428'-5431' | 4 JSPP | 12 holes |
| 8/15/96 | 5435'-5439' | 4 JSPP | 16 holes |
| 8/15/96 | 5452'-5455' | 4 JSPP | 12 holes |
| 8/17/96 | 4988'-4993' | 4 JSPP | 20 holes |
| 8/17/96 | 5004'-5008' | 4 JSPP | 16 holes |
| 8/20/96 | 4643'-4653' | 4 JSPP | 40 holes |
| 8/20/96 | 4657'-4660' | 4 JSPP | 12 holes |
| 5/2/07 | 4464'-4474' | 4 JSPP | 40 holes |

NEWFIELD

Tar Sands Federal 4-31-8-17
 549' FWL & 635' FNL
 NW/NW Section 31-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31606; Lease #UTU-74869