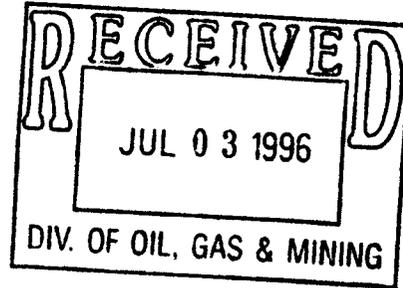




July 1, 1996

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



ATTENTION: Wayne Bankert

*Re: Tar Sands Federal #6-31
SE/NW Sec. 31, T8S, R17E
Duchesne County, Utah*

Dear Wayne,

Enclosed is the original and two copies of the Application For Permit To Drill, for the above referenced location. Copies will also be submitted to the State of Utah

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

Sincerely,

*Cheryl Cameron
Regulatory Compliance Specialist*

*cc: ~~Wayne Bankert~~
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801*

*/cc
Enclosures*

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

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.
#6-31

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

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: **SE/NW**
 At proposed prod. zone: **1785' FNL & 1825' FWL**
544 656

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
1785'

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.
1585'

19. PROPOSED DEPTH
6500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5312.8' GR

22. APPROX. DATE WORK WILL START*
4th quarter 1996

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% CaCl+2% Gel
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 Mecham *Brad Mecham* TITLE District Operations Mgr. DATE 6/25/96

(This space for Federal or State office use)

PERMIT NO. 4.3-013-31686 APPROVAL DATE _____
 APPROVED BY *R. J. Hitt* TITLE _____ DATE 3/18/97
 CONDITIONS OF APPROVAL, IF ANY _____

*See Instructions On Reverse Side

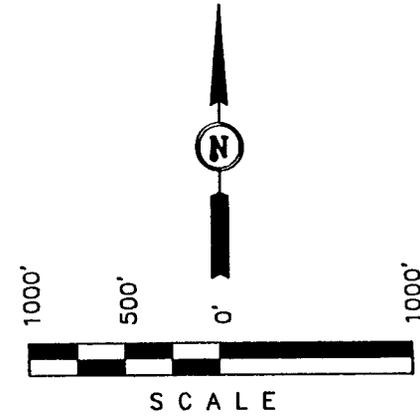
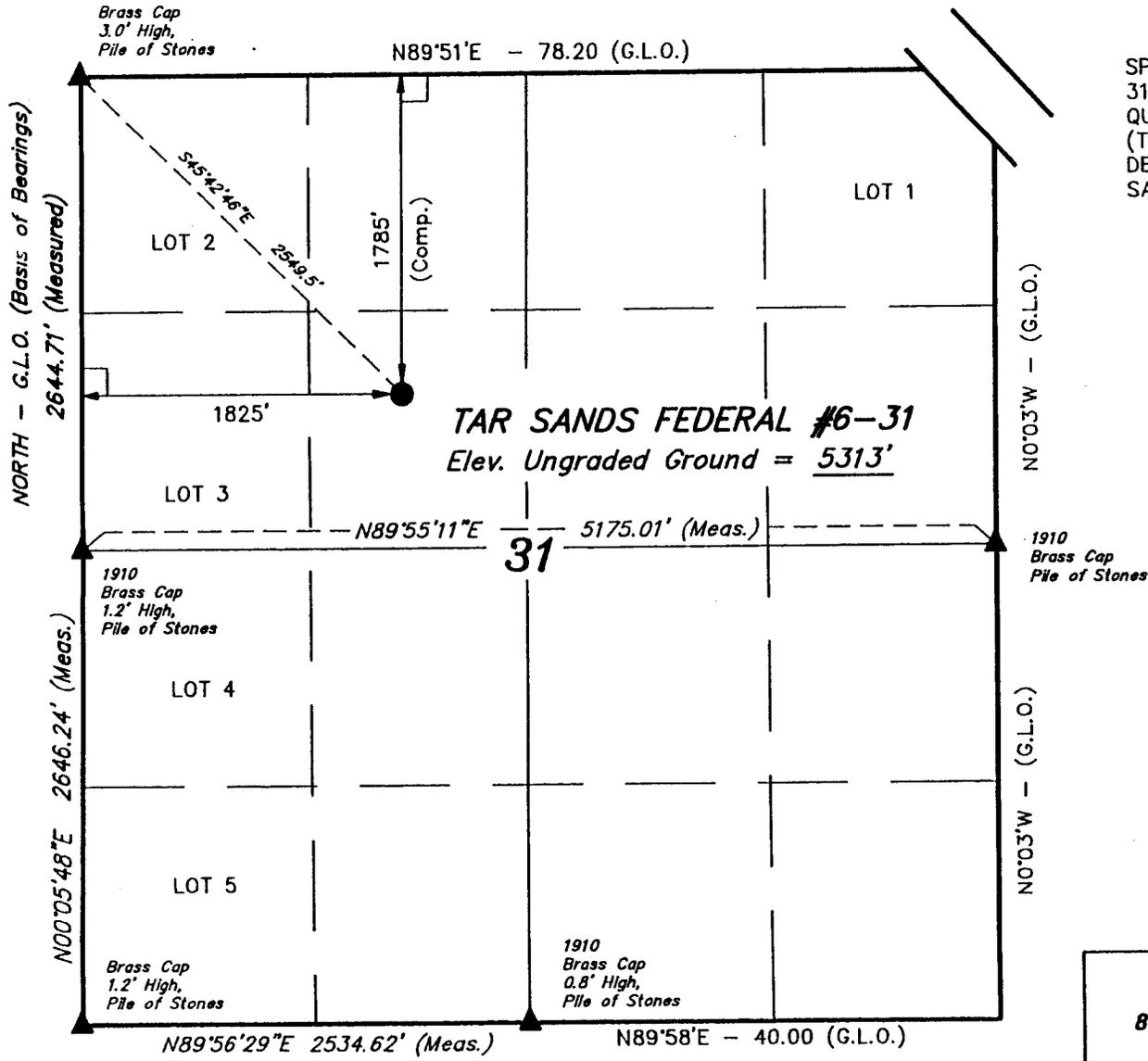
INLAND PRODUCTION CO.

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

Well location, TAR SANDS FEDERAL #6-31, located as shown in the SE 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. Key
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (801) 789-1017

LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 4-15-96	DATE DRAWN: 4-24-96
PARTY G.S. R.E. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO	

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #6-31
SE/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 - 3050'
Green River	3050'
Wasatch	6500'

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

Green River Formation 3050' - 6500' & 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 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure test of BOPS's will be checked daily.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050' \pm , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted 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.

TAR SANDS FEDERAL #6-31

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 Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300' ± , and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500' ± . The Cement Bond Log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

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 fourth quarter of 1996 and take approximately six days to drill.

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #6-31
SE/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 #6-31 located in SE 1/4 NW 1/4 Section 31, T8S, R17E, S.L.B. & 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 southeasterly along Utah State Highway 6.3 miles to its junction with an existing dirt road to the west; proceed westerly along this road 2.8 miles to its junction with a dirt road to the southeast 2.8 miles to the beginning of the proposed access road for the #5-31; proceed easterly .6 miles to the #5-31, and 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 SW 1/4 NE 1/4 Section 31, T8S, R17E, S.L.B., and proceeds in an easterly direction approximately .2 miles 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%.

TAR SANDS FEDERAL #6-31

There are no fences encountered along this proposed road. There will be 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 thirteen (13) producing and two (2) injection Inland Production wells and four (4) producing, two (2) injection Balcron wells, within a one (1) mile radius of this well. See Exhibit "D".

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 built to BLM specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Tar Sands Federal #6-31.

Existing water for this well will be trucked in from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

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.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

TAR SANDS FEDERAL #6-31

See Location Layout Sheet - Exhibit "E".

A small reserve pit (80' X 30' X 6' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to an approved commercial disposal site, as necessary.

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.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby water flood, for re injection into the water flood reservoirs via existing approved injection wells. Within ninety (90) days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

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.

There will be no flare pit on this location.

The stockpiled topsoil (first six (6) inches) will be stored on the southwest corner between stakes 3 & 4.

Access to the well pad will be from the south corner, between stakes 2 & 3.

TAR SANDS FEDERAL #6-31

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 no 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.

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 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 BLM 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 BLM will attach the appropriate surface rehabilitation conditions of approval.

TAR SANDS FEDERAL #6-31

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 BLM 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 BLM authorization. However, if BLM 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 is attached.

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 ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Tar Sands Federal #6-31, 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 also guarantees that during the drilling and completion of the Tar Sands Federal #6-31, 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.

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 BLM office at (801) 789-1362, 48 hours prior to construction activities.

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

TAR SANDS FEDERAL #6-31

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 the Tar Sands Federal #6-31 SE/NW Sec. 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.

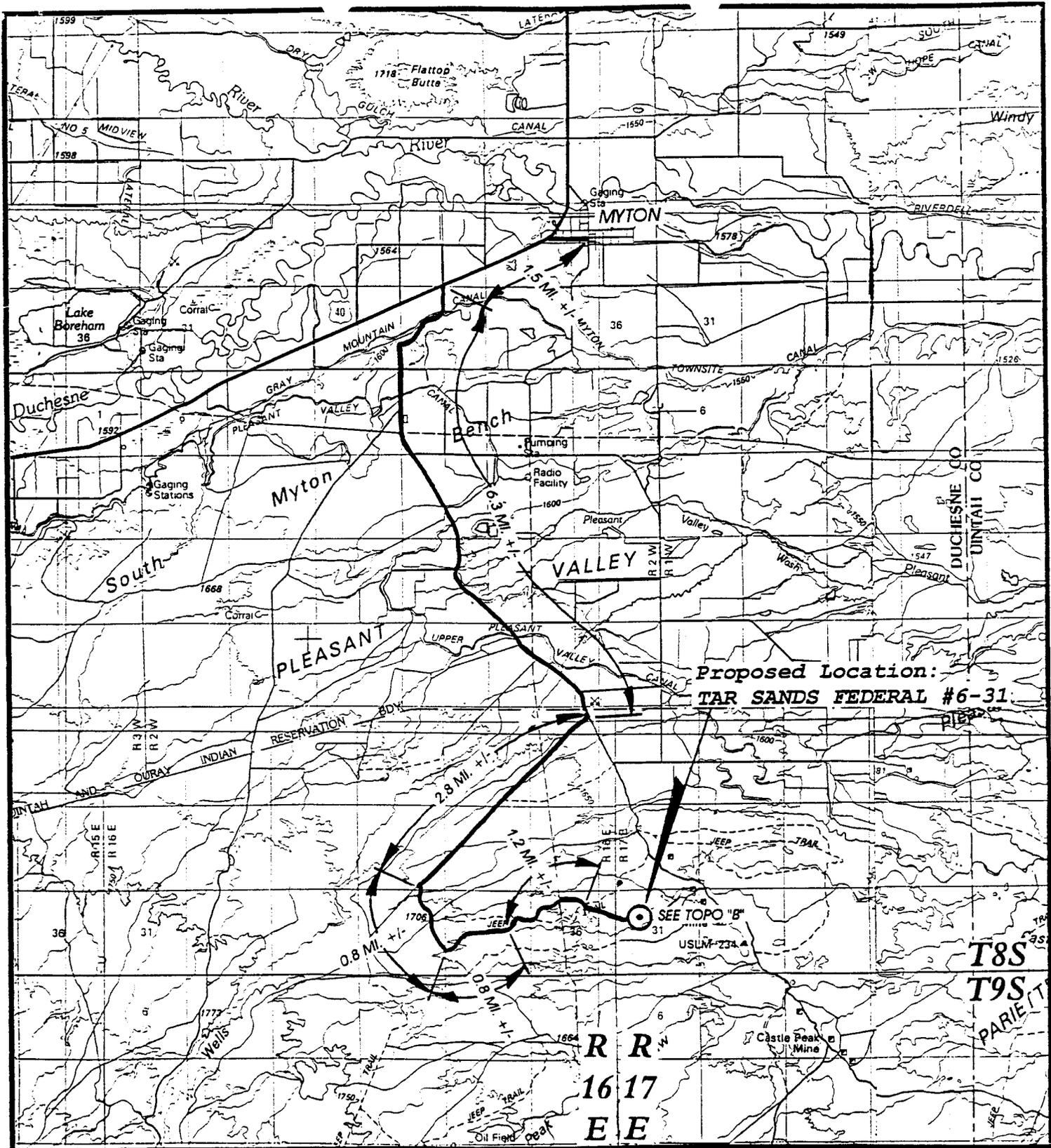
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with 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.

6-28-96

Date



Brad Mecham
District Operations Manager



UELS

**TOPOGRAPHIC
MAP "A"**

DATE: 4-25-96
Drawn by: D.COX

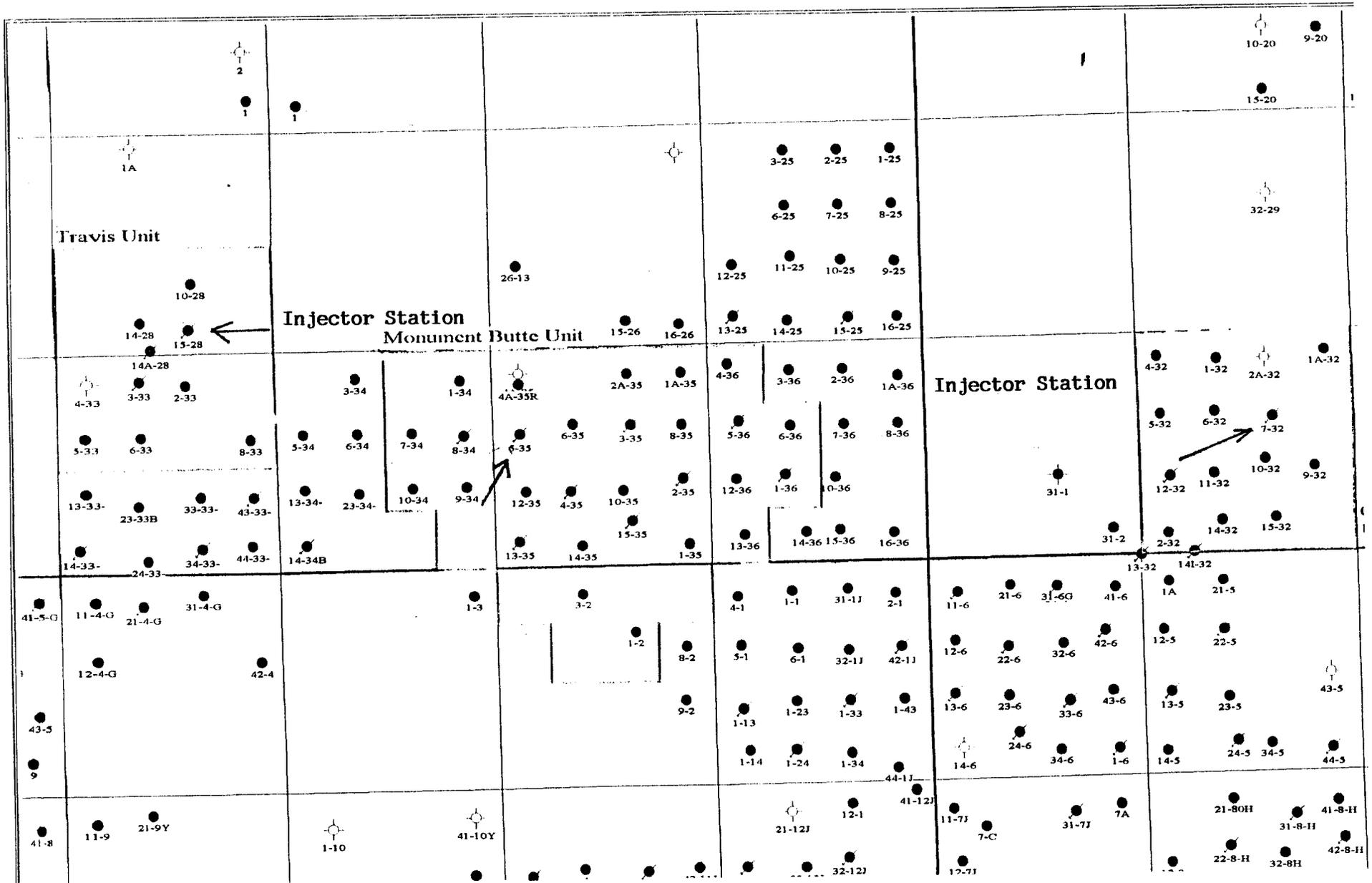
UINTEAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 780-1017



INLAND PRODUCTION CO.

TAR SANDS FEDERAL #6-31
SECTION 31, T8S, R17E, S.L.B.&M.
1785' FNL 1825' FWL

EXHIBIT "C"



Inland
RESOURCES INC.

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

Regional Area

Duchesne Counties, Utah

Date: 5/7/96 JA



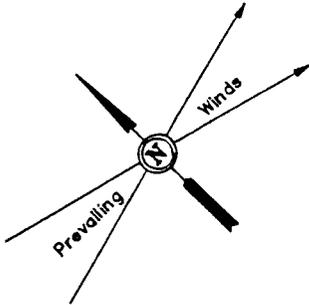
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

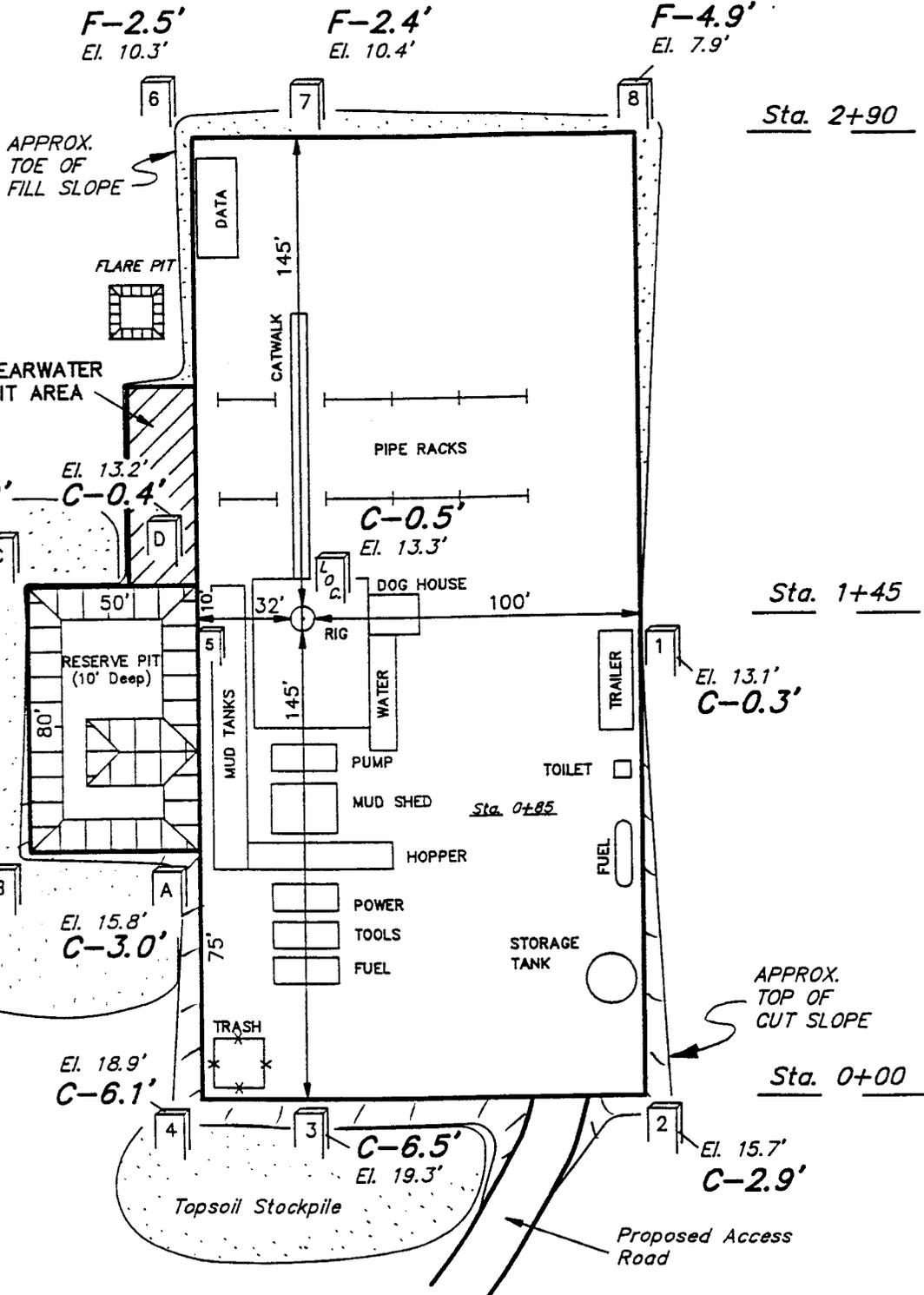
TAR SANDS FEDERAL #6-31
SECTION 31, T8S, R17E, S.L.B.&M.

1785' FNL 1825' FWL

Key



SCALE: 1" = 50'
DATE: 4-24-96
Drawn By: D.R.B.



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

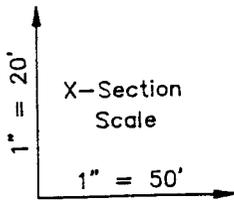
NOTE:
PIT CAPACITY WITH 2' OF FREEBOARD = 3,090 Bbls.

Elev. Ungraded Ground at Location Stake = 5313.3'
Elev. Graded Ground at Location Stake = 5312.8'

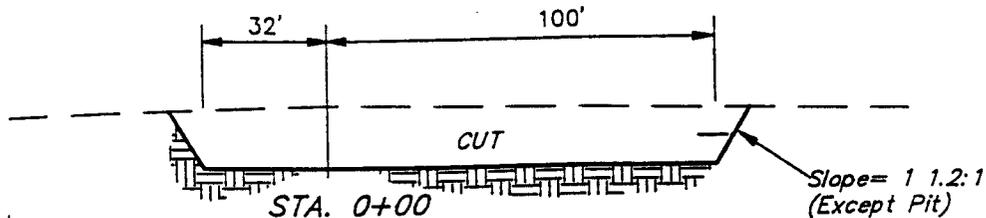
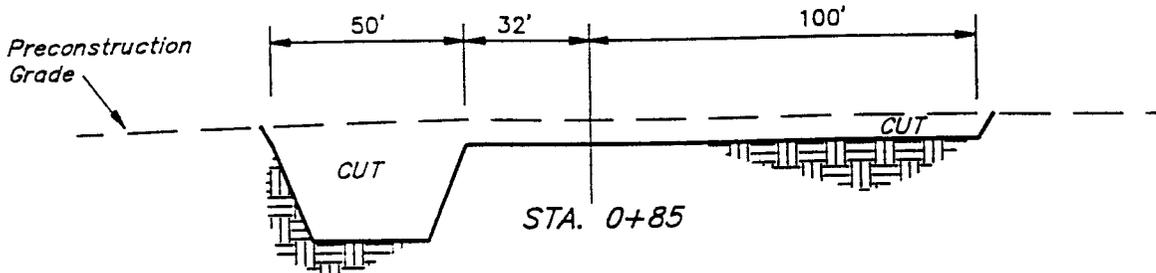
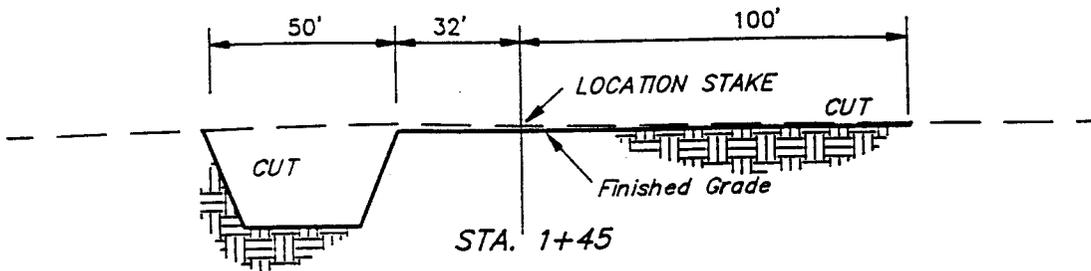
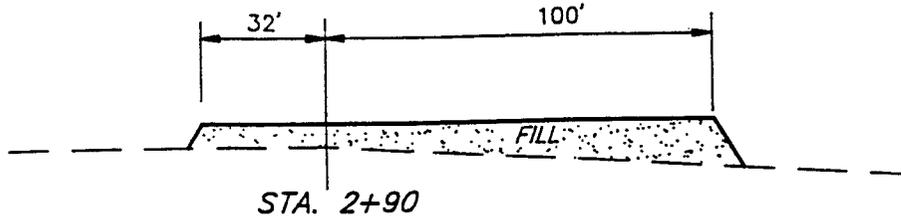
INLAND PRODUCTION CO.

TYPICAL CROSS SECTIONS FOR

TAR SANDS FEDERAL #6-31
SECTION 31, T8S, R17E, S.L.B.&M.
1785' FNL 1825' FWL



DATE: 4-24-96
Drawn By: D.R.B.



NOTE:

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

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 780 Cu. Yds.
Remaining Location = 3,190 Cu. Yds.

TOTAL CUT = 3,970 CU.YDS.

FILL = 1,610 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION

= 2,280 Cu. Yds.

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

= 1,240 Cu. Yds.

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

= 1,040 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 783-1017

2-M SYSTEM

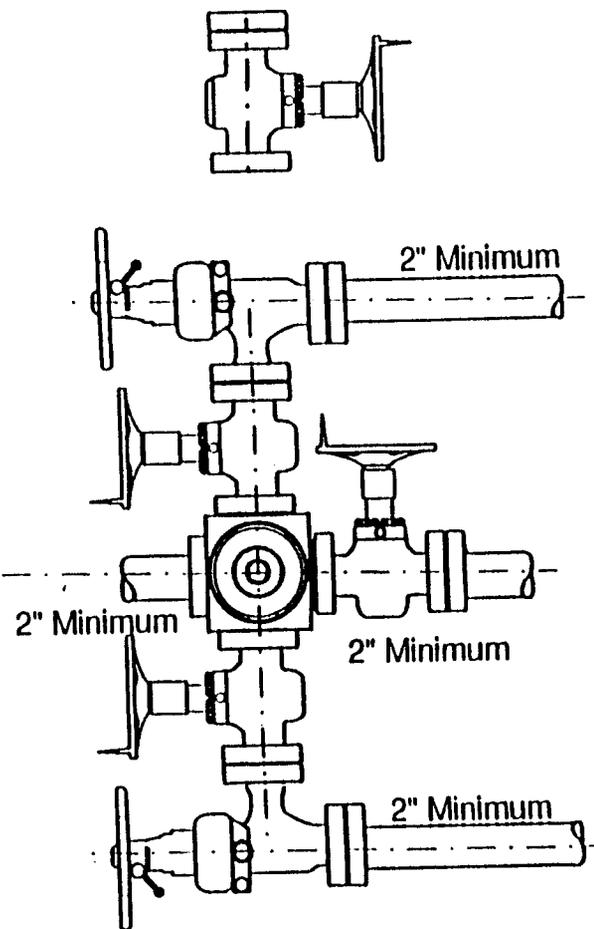
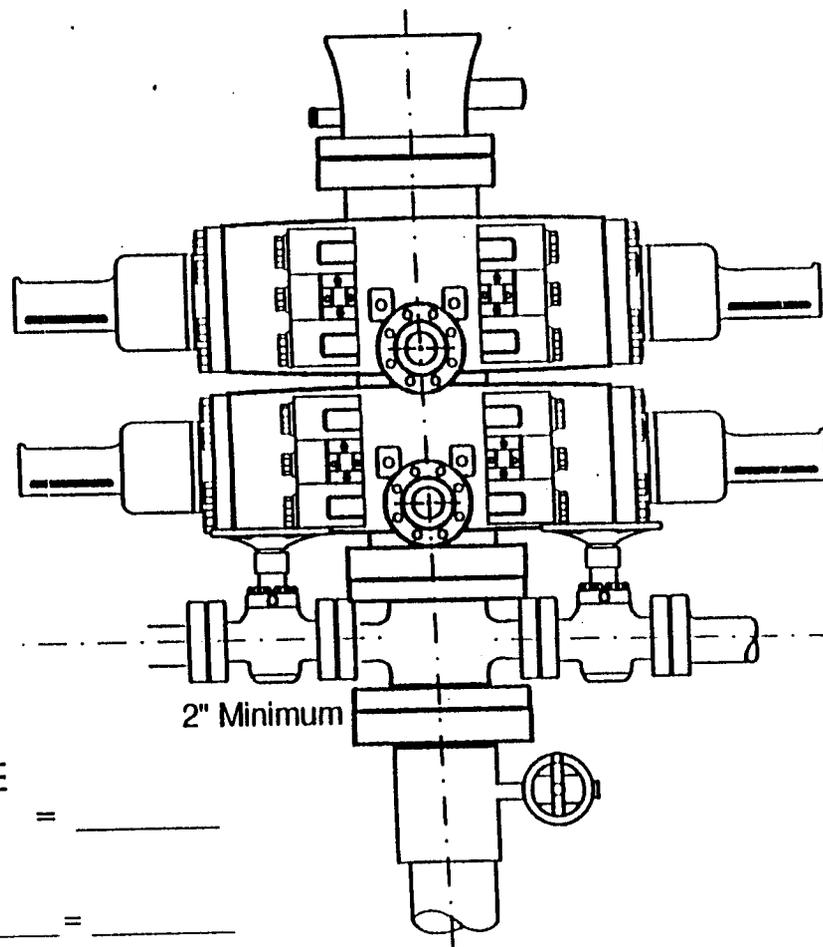
EXHIBIT F

RAM TYPE B.O.P.

Make:

Size:

Model:



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)

**CULTURAL RESOURCE EVALUATION
OF FOUR PROPOSED WELL LOCATIONS WITH
ASSOCIATED ROAD & PIPELINE CORRIDOR COMPLEXES
IN THE CASTLE PEAK DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH**

Report Prepared for **Inland Production Company**
Tar Sands Federal Units 2-31, 3-31, 6-31, & 7-31

Dept. of Interior Permit No.: UT-96-54937
AERC Project 1530 (IPC-96-1)

Utah State Project No.: UT-96-AF-235b

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
Bountiful, Utah 84011-0853

May 10, 1996

ABSTRACT

An intensive cultural resource evaluation has been conducted for Inland Production Company of four proposed well locations with associated access road and pipeline corridor complexes situated on federally administered lands located in the Castle Peak Draw locality of Uintah County, Utah. This evaluation includes Inland Production Company's Tar Sands Units 2-31, 3-31, 6-31, and 7-31 involving four ten acre survey parcels, 1.67 miles of pipeline, and .68 miles of access route corridor. The examinations covered a total of ca. 68.5 acres; 40 acres are associated with the four well locations, and 20.2 and 8.25 acres are respectively associated with the corridors. These evaluations were conducted by Glade Hadden and assistant James Merrell on May 6 and 7, 1996.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed well locations, access routes and pipeline corridors.

No newly identified historic or prehistoric cultural resource loci were identified or recorded during the evaluations of these proposed development areas.

No isolated artifacts were noted during the evaluations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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MAP 2: Cultural Resource Survey of Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah	3

GENERAL INFORMATION

On May 6 and 7, 1996, AERC archaeologist Glade Hadden and assistant James Merrell conducted intensive cultural resource evaluations of four well locations and accompanying access route and pipeline complexes in the Castle Peak Draw locality of Duchesne County, Utah (see Maps 1 and 2). The purpose of this report is to detail the results of these evaluations, which include Tar Sands Units 2-31, 3-31, 6-31, and 7-3 (40 acres evaluated) a series of pipeline corridors totalling 1.67 miles in length (20.2 acres), and a series of access route corridors totalling .68 miles in length (8.25 acres). A total of 68.5 acres were examined for cultural resource presence. All the proposed development areas associated with these four well locations are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these four well locations and associated corridor complexes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

Project Location

The project location is in the Castle Peak Wash locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad. The proposed wells are in the following sections:

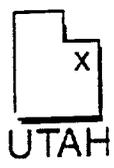
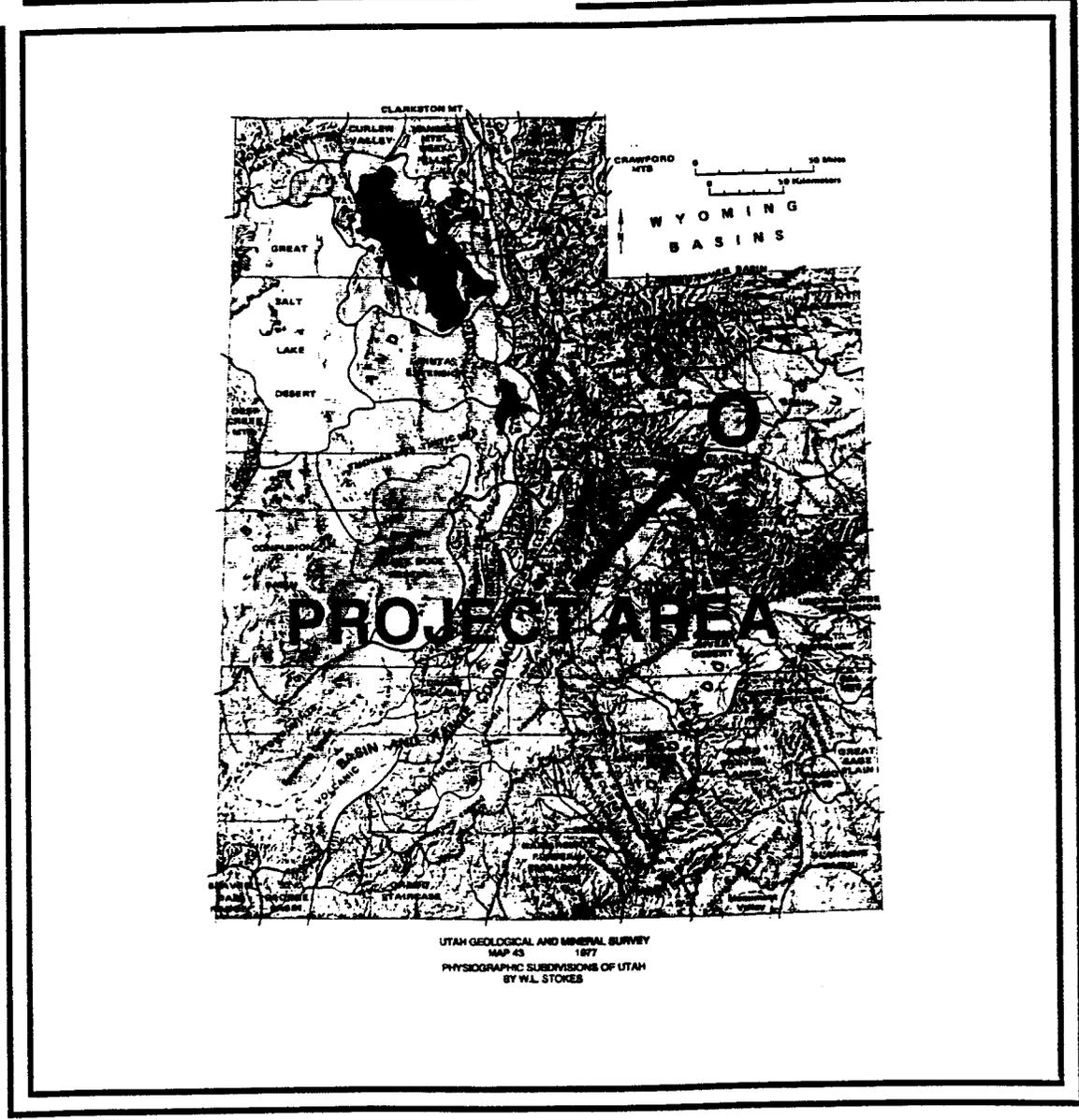
Tar Sands Unit 2-31 is in the northwest quarter of the northeast quarter of Section 31, Township 8 South, Range 17 East (Salt Lake B. & M.). An access route for this location extends to the southwest linking with Unit 6-31. Pipeline corridors associated with this unit extend to the south linking with Unit 7-31 and to the northwest through the southwest quarter of adjacent Section 30 to link with a location in the southeast quarter of Section 25, Township 8 South, Range 16 East.

Tar Sands Unit 3-31 is in the northeast quarter of the northwest quarter of Section 31, Township 8 South, Range 17 East (Salt Lake B. & M.). An access route for this location extends to the southeast linking with the access into Unit 2-31. Its proposed pipeline corridor extends to the south linking with Unit 6-31.

**MAP 1: GENERAL PROJECT LOCALITY
IN
DUCHESNE COUNTY
UTAH**



PROJECT: IPC - 96 - 1
SCALE: see below
QUAD: see below
DATE: May 10, 1996

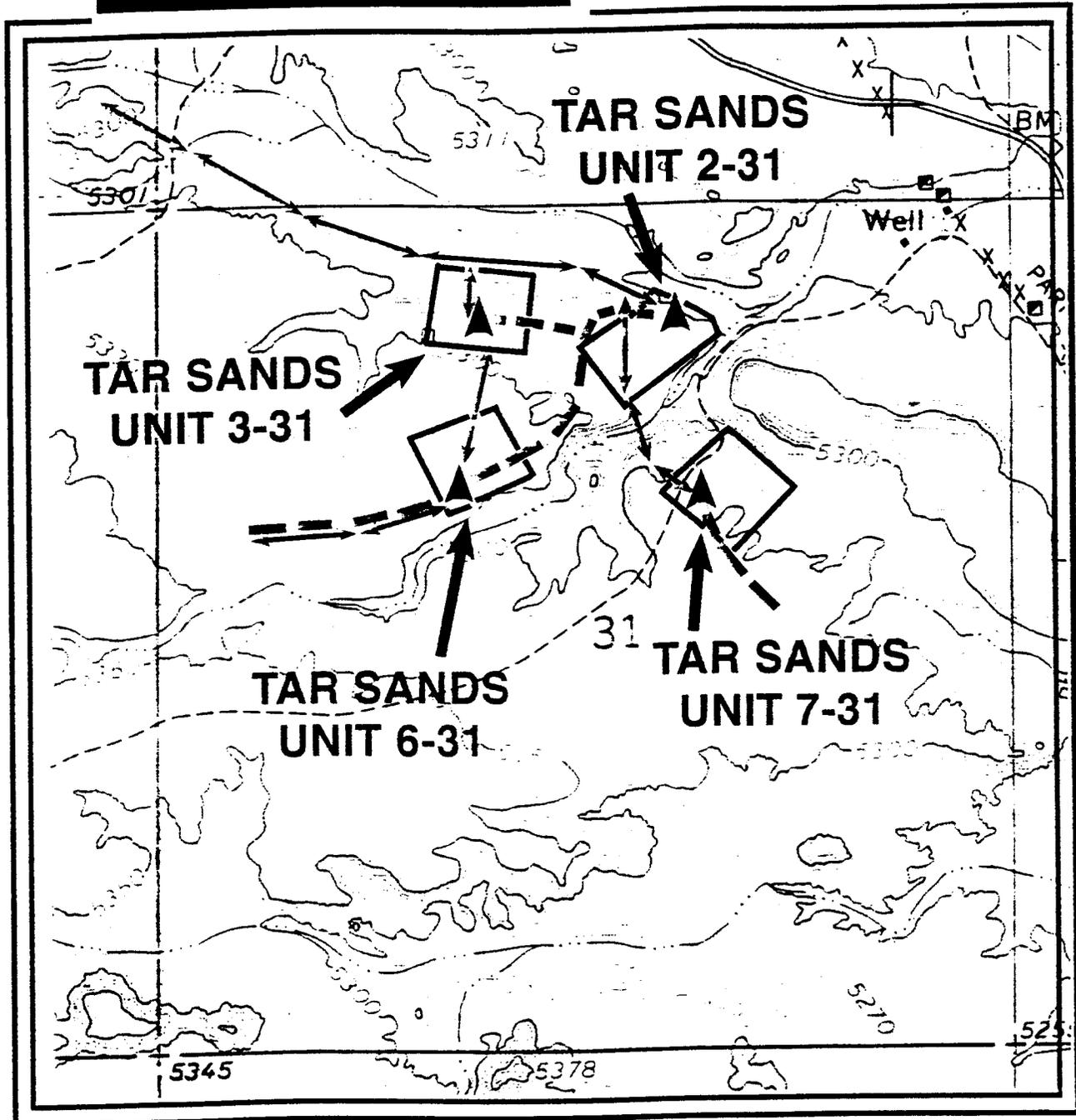


TOWNSHIP: MULTIPLE
RANGE: MULTIPLE
MERIDIAN: SALT LAKE & UINTAH B. & M.

**MAP 2: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS IN
THE CASTLE PEAK DRAW
LOCALITY OF DUCHESNE COUNTY,
UTAH**



PROJECT: IPC - 96 - 1
SCALE: 1:24,000
QUAD: Myton SE. Utah
DATE: May 10, 1996



TOWNSHIP: 8 South
RANGE: 16 & 17 East
MERIDIAN: Salt Lake B. & M.

LEGEND

- Well Location
- Access Route
- Survey Area
- Pipeline Corridor

Tar Sands Unit 6-31 is in the southeast quarter of the northwest quarter of Section 31, Township 8 South, Range 17 East (Salt Lake B. & M.). The access route for this unit extends to the west linking with Unit 5-31 in the southwest quarter of the northwest quarter of Section 31.

Tar Sands Unit 7-31 is in the southwest quarter of the northeast quarter of Section 31, Township 8 South, Range 17 East (Salt Lake B. & M.). The access corridor for this unit extends to the southeast for a short distance linking with an existing trail that junctions to the northeast with the county road. An existing pipeline parallels the southwestern periphery of the well location.

Environmental Description

The project area is within the 5300 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on May 6, 1996. A similar search was conducted in the Vernal District Office of the BLM on May 3, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995). Archaeological evaluations that previously have been conducted within the present project area include Blaine Phillips 1987 inventory of various erosion control dam sites including one site adjacent to the proposed location for Unit 2-31 (Phillips 1987). In 1992, F.R. Hauck also examined a proposed Balcron pipeline that passed through the location adjacent to Unit 2-31 (Hauck 1992d). No cultural resources were identified and recorded during either survey.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 15 to 20 meter-wide transects within the various ten acre parcels associated with the four well locations and within the 100 foot-wide roadway and pipeline corridors centered on the various flagged centerlines as shown on Map 2. Thus, ca. 68.5 acres were inventoried relative to these proposed development complexes.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the proposed well locations and associated roadway and pipeline corridors.

No previously identified and recorded significant, National Register eligible sites were noted during the survey.

No diagnostic isolated artifacts were observed and recorded during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No cultural resources will be adversely impacted during the development and operation of these four Tar Sands units (2-31, 3-31, 6-31, and 7-31) or their respective access and pipeline complexes.

AERC recommends that a cultural resource clearance be granted to Inland Production Company relative to the development of these proposed facilities based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

REFERENCES

Fike, Richard E. and H. Blaine Phillips II-

- 1984 *A Nineteenth Century Ute Burial from Northeast Utah. Cultural Resource Series* No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.

- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.

- 1984a "Excavation" (in) *A Nineteenth Century Ute Burial from Northeast Utah. Cultural Resource Series* No. 16, Bureau of Land Management, Salt Lake City.

- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archeological-Environmental Research Corporation, Bountiful.

- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.

- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil

- Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, cf., Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality -- Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
- 1996b Cultural Resource Evaluation of 13 Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah and Duchesne Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8B, Archeological-Environmental Research Corporation, Bountiful.
- 1996c Cultural Resource Evaluation of Two Proposed Well Locations in the Castle Peak Draw Locality - Big Wash Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8C, Archeological-Environmental Research Corporation, Bountiful.

1996d Cultural Resource Evaluation of Two Proposed Well Locations and Access Routes in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-1, Archeological-Environmental Research Corporation, Bountiful.

1996e Cultural Resource Evaluation of Three Proposed Pipeline Corridor Complexes in the Castle Peak Draw - Pariette Bench Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade Hadden

1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.

1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.

1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.

1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.

1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1995a Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-1 & 2, Archaeological-Environmental Research Corporation, Bountiful.
- 1995b Cultural Resource Evaluation of Nine Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1995c Cultural Resource Evaluation of a Series of Proposed Water Return Pipeline Routes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-7, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and G. Norman

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and Dennis Weder

- 1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archaeological-Environmental Research Corporation, Bountiful.

Phillips III, Blaine

1987 Archaeological Inventory of 17 Erosion Control Dams in the Castle Peak Draw Area of Duchesne County, Utah. Vernal District Office of the Bureau of Land Management, Vernal.

Stokes, W.L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___
Comments: _____

Summary Report of
Inspection for Cultural Resources

FOUR WELL LOCATIONS IN THE CASTLE
PEAK DRAW LOCALITY COUNTY

1. Report Title Inland Production Company

2. Development Company _____

3. Report Date 0 5 10 1 9 9 6
A E R C
4. Antiquities Permit No. _____ UT-96-54937
IPC - 96 - 1 Duchesne

5. Responsible Institution County _____

6. Fieldwork
Location: TWN .0.8.S. . RNG .1.7.E. . Section.30,31.
TWN .0.8.S. . RNG .1.6.E. . Section 25

7. Resource Area .SM.

8. Description of Examination Procedures: The archeologist Glade Hadden and assistant James Merrell intensively examined the proposed well locations and associated access & pipeline corridors by walking 10 to 15 meter-wide transects in the ten acre parcels and within the 100 foot-wide corridors on either side of the flagged center-line.

9. Linear Miles Surveyed 2 . 3 5
and/or
Definable Acres Surveyed
and/or
Legally Undefinable 6 8 . 5
Acres Surveyed

10. Inventory Type I
R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings:
No archaeological sites
were identified and recorded during
this survey.

12. Number Sites Found .0.
(No sites = 0)

13. Collection: .N.
(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search. Location/ Date: Utah SHPO 5-6-96 Vernal BLM 5-3-96

16. Conclusion/ Recommendations:
AERC recommends that a cultural resource clearance be granted to Inland Production Company for these proposed developments based on the following stipulations:
(see reverse)

1. All vehicular traf personnel movement, co nstruction and restoration operations should be confined to the flagged area, well pads and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2 A l l p e r s o n n e l s h o u l d *refrain from*
disturbing any significant cultural resources in the area. *re*

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor

Administrator:



Field
Supervisor:

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/05/96

API NO. ASSIGNED: 43-013-31686

WELL NAME: TAR SANDS FEDERAL #6-31
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:
 SENW 31 - T08S - R17E
 SURFACE: 1785-FNL-1825-FWL
 BOTTOM: 1785-FNL-1825-FWL
 DUCHESNE COUNTY
 UNDESIGNATED FIELD (002)

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 4468944)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number 5110217L STATE 7-32)

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: _____

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 SE/NW
At proposed prod. zone 1785' FNL & 1825' FWL

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1785'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1585'

16. NO. OF ACRES IN LEASE
1968.01

19. PROPOSED DEPTH
6500'

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

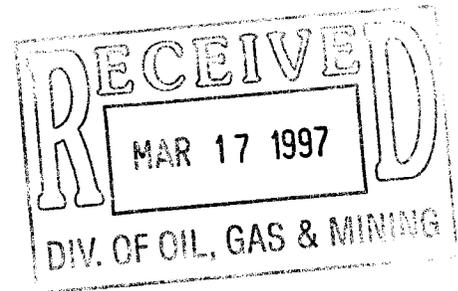
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5312.8' GR

22. APPROX. DATE WORK WILL START*
4th quarter 1996

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% CaCl+2% Gel
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 District Operations Mgr. DATE 6/25/96

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE Assistant Field Manager
CONDITIONS OF APPROVAL, IF ANY: _____ DATE MAR 13 1997
Mineral Resources

NOTICE OF APPROVAL **CONDITIONS OF APPROVAL ATTACHED**

*See Instructions On Reverse Side

DOGKM

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Federal 6-31

API Number: 43-013-31686

Lease Number: U - 74869

Location: SENW 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 the field representative 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 **prior to setting the next casing string or requesting plugging orders**. Faxed 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.

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 base of the usable water, identified at 327 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.

A cement bond log (CBL) will be run from the production casing shoe to ± 127 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office. A Sonic log will be run from TD to a minimum of 200 ft above the top of the Mahogany oil shale.

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.

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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) 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 3162.7-4.

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 onlease 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 on initial meter installations 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 approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
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 PROGRAM
Conditions of Approval COAs)

-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.

-The topsoil will be windrowed along both the north and south ends of the location.

-The NE side of the location between stakes 1 and 8 should be narrowed to avoid excess fill.

-Ferruginous Hawk

1. No new construction or surface disturbing activities will be conducted within a 0.5 mile radius of an inactive nest. This COA may be modified based on one or more of the following mitigative opportunities:

a. The nest has showed no signs of breeding/nesting activity for a least two consecutive breeding seasons or,

b. The biologist has determined that the nests in question are in such poor condition that monitoring the nests for two breeding seasons is not necessary.

c. Artificial Nesting Platforms will be constructed and placed by the operator. Up to 3 platforms will be constructed for each natural nest involved in mitigation. The BLM AO will determine the placement of the platforms.

2. From May 30 through February 28, new construction or surface-disturbing activities will be conducted within a 0.5 mile of an inactive nest subject to the following restrictions:

a. Where possible, well pads proposed for construction within 0.25 miles of an inactive nest will be placed where permanent facilities will not be visible from the nest. Access roads to well pads will be designed to avoid line-of-sight visibility from inactive nests to the maximum extent practical.

b. Wells proposed within 0.5 miles of an inactive nest will be either converted to injection wells or equipped with muffled multi-cylinder engines or with equipment of comparable quietness.

3. Road access from the main road will be limited to a single-lane improved road for each well. During normal operations human access to injection wells will be limited to 4 trips per month by a single lease operator driving a full size pickup. Human access to producing wells will be limited to 1 trip per day by a single lease operator driving a full-size pickup.

4. Storage tanks and heater-treaters for new wells will be positioned at least 0.5 mile from the inactive nest in common tank/treater batteries or will use an existing facility. No crude oil haul/tanker trucks will enter the 0.5 mile radius from an inactive nest.



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)

March 18, 1997

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

Re: Tar Sands Federal 6-31 Well, 1785' FNL, 1825' FWL, SE 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 43-013-31686.

Sincerely,

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

R. J. Firth
Associate Director

lwp

Enclosures

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

Operator: Inland Production Company
Well Name & Number: Tar Sands Federal 6-31
API Number: 43-013-31686
Lease: U-74869
Location: SE 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)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact R. J. Firth (801)538-5274 or Mike Hebertson at (801) 538-5333.

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 CO.

Well Name: TAR SANDS FEDERAL 6-31

Api No. 43-013-31686

Section: 31 Township: 8S Range: 17E County: DUCHESNE

Drilling Contractor

Rig #

SPUDDED:

Date 7/7/97

Time 9:15 PM

How DRY HOLE

Drilling will commence

Reported by CHERYL CAMERON

Telephone # 1-801-789-1866

Date: 7/8/97 Signed: JLT

STATE OF ILLINOIS
 DIVISION OF OIL, GAS AND MINERAL RESOURCES

OPERATOR Inland Production Company
 ADDRESS P. O. Box 796233
Vernal, UT 84079

OPERATOR ACCT. NO. 15160

ENTITY ACTION FORM - FORM 5

ACTION CODE	EXISTING ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					00	SC	TP	RS			
A	99999	12162	43-013-31733	Tar Sands Federal 3-31	WESTW	31	8S	17E	Duchesne	7/3/97	7/3/97
WELL 1 COMMENTS: Entity added 7-8-97. <i>Lee</i>											
A	99999	12163	43-013-31686	Tar Sands Federal 6-31	SESW	31	8S	17E	Duchesne	7/7/97	7/7/97
WELL 2 COMMENTS: Entity added 7-8-97. <i>Lee</i>											
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 COMMENTS section to explain why each Action Code was selected.

Cheryl Cameron
 Signature: Cheryl Cameron
 RCS
 Title _____ Date 7/8/97
 Phone No. 801, 789-1866

INLAND PRODUCTION CO. TEL: 801-722-5105 JUL 08 97 16:38 NO. 009 P. 02

Facsimile Cover Sheet

To: Lisha Cordova
Company: State of Utah
Phone: (801) 538-5296
Fax: (801) 359-3940

From: Cheryl Cameron
Company: Inland Production Company
Phone: (801) 789-1866
Fax: (801) 789-1877

Date: 7/8/97

**Pages including this
cover page: 2**

**Comments: Entity Action Form for Tar Sands Federal #3-31 &
Tar Sands Federal #6-31.**

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

[X] Oil Well [] Gas well [] Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866

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

SE/NW 1785' FNL & 1825' FWL 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 #6-31

9. API Well No.

43-013-31686

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

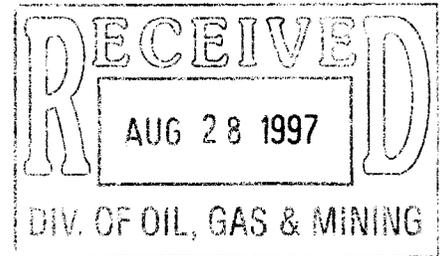
12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing repair, Altering Casing, Other (Weekly Status), Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-off, Conversion to Injection, Dispose Water.

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 8/12/97 - 8/16/97:

RIH w/ production string. On production @ 3:00 pm, 8/16/97.



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

Signed

Signature of Cheryl Cameron

Title

Regulatory Compliance Specialist

Date

8/21/97

(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 DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

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 SE/NW

At top prod. interval reported below 1785' FNL & 1825' FWL

At total depth

14. PERMIT NO. 43-013-31686 DATE ISSUED 3/14/97

15. DATE SPUDDED 7/7/97 16. DATE T.D. REACHED 7/19/97 17. DATE COMPL. (Ready to prod.) 8/16/97 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5312.8' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6120' 21. PLUG, BACK T.D., MD & TVD 6079' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → ROTARY TOOLS X CABLE TOOLS

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

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, CNL, DLL 9-23-97 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#	301.25	12 1/4	120 sx Prem + w/ 2% gel 2% flocele	CC + 1/4#/sk
5 1/2	15.5#	6117'	7 7/8	425 sx Hibond & 380 sx Thixo	

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)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH (MD)	INTERVAL (MD)	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
CP	5842'-51'	5855'-66'	6000'-05'	See Back	
A/LDC	5378'-90'	5394'-96'	5399'-5404'		
	5413'-20'	5465'-69'	5472'-74'		
	5486'-92'	5516'-19'	5522'-27'		
B	5158'-80'	5530'-34'			
D	4934'-38'	4943'-49'	4953'-57'	5041'-44'	

33.* PRODUCTION
DATE FIRST PRODUCTION 8/16/97 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 2 1/2" X 1 1/2" X 15' RHAC pump WELL STATUS (Producing or shut-in) producing

DATE OF TEST 14 Day Avg HOURS TESTED 8/97 CHOKE SIZE N/A PROD'N. FOR TEST PERIOD → OIL—BBL. 111 GAS—MCF. 250 WATER—BBL. 10 GAS-OIL RATIO 2.3

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

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

35. LIST OF ATTACHMENTS
Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 9/16/97

*(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	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Garden Gulch Mkr Point 3 Mkr X Mkr Y Mkr Douglas Ck Mkr BiCarbonate Mkr B Limestone Mkr Castle Peak	4195' 4468' 4703' 4738' 4862' 5095' 5218' 5736'		#32. Perf CP 5842'-51', 5855'-66', 6000'-05' Frac w/ 1590# 20/40 sd in 308 BG Perf A/LDC 5378'-90', 5394'-96', 5399'-5404', 5408'-11', 5413'-20', 5465'-69', 5472'-74', 5476'-82', 5486'-92', 5516'-19', 5522'-27', 5530'-34' Frac w/ 166,400# 20/40 sd in 746 BG Perf B 5158'-80' Frac w/ 125,400# 20/40 sd in 583 BG			



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!

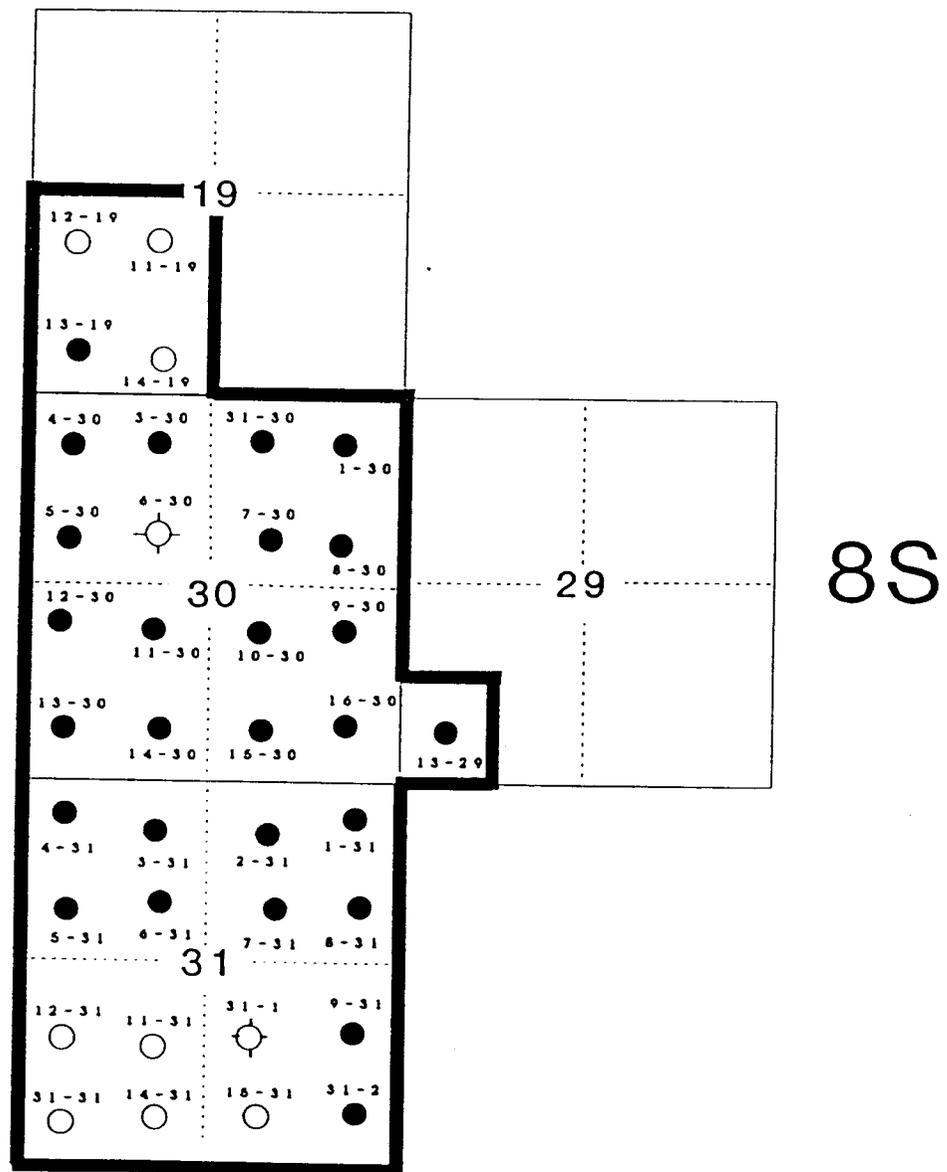
Should you encounter any problems with this copy, or do not receive all the pages, please call

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.

SAND WASH (GREEN RIVER) UNIT

Duchesne County, Utah

EFFECTIVE: DECEMBER 1, 1997



17E

— 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

Jo: Liska
Tom: Sebille



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

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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

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 FED 6-31

9. API Well No.
43-013-31686

10. Field and Pool, or Exploratory Area
UNDESIGNATED

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1785 FNL 1825 FWL SE/NW Section 31, T08S R17E

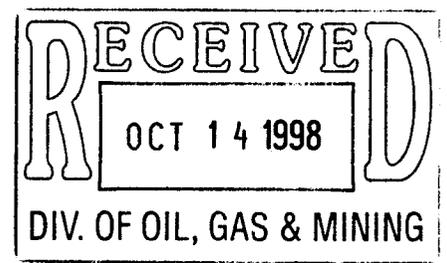
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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 <u>Site Security</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.)*

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



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

Signed *Lebbie 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 6-31

SE/NW Sec. 31, T8S, 17E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

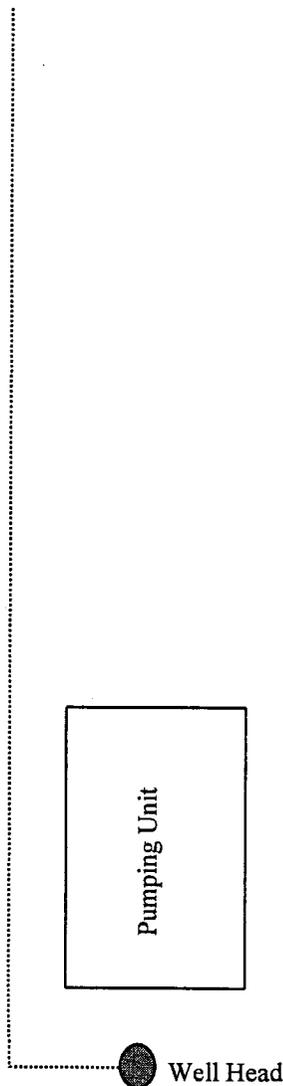
- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Legend

Emulsion Line
Load Line	-----
Water Line	-.-.-.-.-
Oil Line	—————
Gas Sales	-.-.-.-.-



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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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 FED 6-31

9. API Well No.

43-013-31686

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTA

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

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

1785 FNL 1825 FWL SE/NW Section 31, T8S R17E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Re-completion**

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

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

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

Re-completion procedures were initiated in the Green River formation on subject well on July 1, 2002. Existing production equipment was pulled from well. Well was cleaned out to PBTD @ 6079'. One new interval was perforated and hydraulically fracture treated as follows: GB6 sds @ 4352'-4358' & 4390'-4398' and GB4 sds @ 4424'-4432' & 4436'-4441' (all 4 JSPF) were fraced down 5 1/2" 15.5# casing W/ 124,780# 20/40 mesh sand in 825 bbls Viking I-25 fluid. Frac was flowed back through chokes. New interval was swab tested for sand cleanup. Bridge plug was removed from well. A revised BHA & production tbg string was ran in and anchored in well W/ tubing anchor @ 5949', pump seating nipple @ 5983' and end of tubing string @ 6016'. A repaired rod pump and rod string was ran in well. Well returned to production via rod pump on 7/6/02.

RECEIVED

JUL 10 2002

**DIVISION OF
OIL, GAS AND MINING**

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

Signed

Gary Dietz
Gary Dietz

Title

Completion Foreman

Date

7/8/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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		



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

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

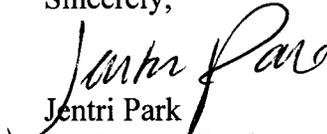
Mr. Brad Hill
State of Utah, DOGM
1594 West North Temple-Suite 1310
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Workover
Tar Sands 6-31-8-17
Sec.31, T8S, R17E
API #4301331686

Dear Mr. Brad Hill:

The subject well had workover procedures performed. Then put back on production. Please find enclosed the sundry.

Sincerely,


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 6-31

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331686

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: 1785 FNL 1825 FWL

COUNTY: DUCHESNE

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

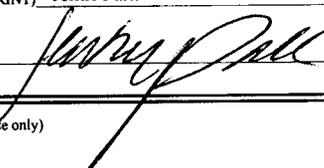
STATE: UT

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 <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/01/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input 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 Workover procedures performed on 05/08/07, see attached daily status.

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 6-31-8-17~~5/1/2007~~ To ~~5/30/2007~~
5/5 5/9**5/5/2007 Day: 1****Workover**

Western #4 on 5/4/2007 - MIRU Western #4. RU HO trk & pump 60 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 40 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. ND wellhead & unset TA @ 5941'. NU BOP. TOH W/ production tbg--LD BHA. TIH W/ 4 3/4" tooth bit, 5 1/2" casing scraper & production tbg. PU 2 jts work string to tag fill @ 6068' (8' new fill?). LD work string. TOH W/ tbg--LD bit & scraper. SIFN W/ est 105 BWTR

5/6/2007 Day: 2**Workover**

Western #4 on 5/5/2007 - Talley, PU & TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 8rd 6.5# N-80 tbg. Set plug @ 5460' & pkr @ 5432'. Fill tbg W/ 13 BW. Pressure test tbg & tools to 2500 psi. Release pkr. Pull uphole & install frac valve & subs. Leave pkr unset W/ EOT @ 5246'. SIFN W/ est 118 BWTR.

5/8/2007 Day: 3**Workover**

Western #4 on 5/7/2007 - Open well w/ 30 psi on casing. Set Pkr @ 5241'. Fill backside w/ 50 bbls water. RU BJ & frac A3 sds down tbg w/ 122,764#'s of 20/40 sand in 1009 bbls of Lightning 17 frac fluid. Casing on vacuum. Perfs taking fluid @ 1609 psi @ 3.4 bpm w/ 26.3 bbls away. Rate @ 8 bpm @ 2713 psi w/ 33 bbls away. Treated @ ave pressure of 3098 w/ ave rate of 14.5 bpm w/ 6.5 ppg of sand. ISIP was 1009. 1127 bbls EWTR. RD BJ. Flow well back. Well flowed for 2 hours & died w/ 150 bbls rec'd. Released pkr. TIH w/ tbg & had no new sand. RU swab & rec'd 59 bbls of fluid in 8 runs w/ no sand. IFL was 700'. FFL was 2300'. RD swab equipment. TIH & tag sand @ 5425' (35' of new sand), released RBP. TOOH w/ tbg laying down N-80 frac string on trailer. LD tools. SIFN.

5/9/2007 Day: 4**Workover**

Western #4 on 5/8/2007 - Open well w/ vacuum on casing. TIH w/ NC, 2 jts tbg, SN, 2 jt tbg, TA, 184 jts tbg. Tag sand 5878'. RU swab & made 54 bbls in 8 runs w/ no sign of sand. FFL was 4300'. Circulate well clean to PBTB @ 6068' lost 310 bbls of water in clean out). RD BOP's. Set TA @ 5809' in 16,000#'s tension w/ SN @ 5878' & EOT @ 5945'. Pickup & prime pump. TIH w/ Mcgiver 2-1/2"x1-1/2"x4"x13"x17' w/ 136" SL, RTBC (new), 6- 1-1/2" wt rods, 52- 3/4" guided rods, 70- 3/4" slick rods, 105- 3/4" guided rods, 4', 6' x 3/4" pony rods, 1-1/2" x 22' polish rod. Space pump. Test pump to 800 psi w/ 7 bbls water. RDMOSU. POP @ 5 PM w/ 74" SL @ 4 SPM w/ 1341 bbls EWTR. Final Report.

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
USA UTU-74869

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
TAR SANDS FED 6-31

9. API Well No.
4301331686

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

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1785 FNL 1825 FWL
SENW Section 31 T8S R17E

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

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

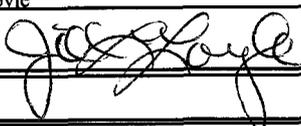
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical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

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

RECEIVED
DEC 21 2011
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jill Lovle	Title Regulatory Technician
Signature 	Date 11/09/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street

DENVER, CO 80202-1129

Phone 800-227-8917

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

JAN 06 2012

Ref: 8P-W-GW

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

RECEIVED

JAN 19 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 UT20847-09386
Well: Tar Sand Federal 6-31-8-17
SENW Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31686

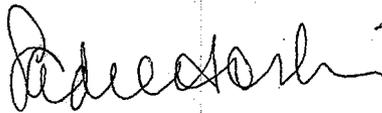
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Tar Sand Federal 6-31-8-17 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 Tar Sand 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 Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



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

Enclosures: Authorization for Additional Well
Wellbore schematic for Tar Sand Federal 6-31-8-17

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Ronald Wopsøck, 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



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 November 14, 2011 Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

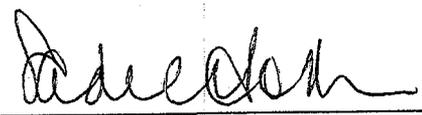
Well Name:	Tar Sand Federal 6-31-8-17
EPA Permit ID Number:	UT20847-09386
Location:	1785' FNL & 1825' FWL SENW Sec. 31 T8S-R17E Duchesne County, Utah API #43-013-31686

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: 1/5/12

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*

Authorization for Additional Well: UIC Area Permit UT20847-00000
Well: Tar Sand Federal 6-31-8-17 EPA Well ID: UT20847-09386

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Tar Sand Federal 6-31-8-17
EPA Well ID Number: UT20847-09386

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

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

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. 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 demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

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 935 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 0.655 psi/ft, SG is 1.015 and D is 4,352 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). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

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

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. 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 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 Sand Federal 6-31-8-17
EPA Well ID Number: UT20847-09386

Underground Sources of Drinking Water (USDWs): USDWs in the Sand Wash 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 75 ft. below ground surface in the Tar Sand Federal 6-31-8-17 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

Authorization for Additional Well: UIC Area Permit UT20847-00000
Well Tar Sand Federal 6-31-8-17 EPA Well ID: UT20847-09386

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 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. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 301 ft. in a 12-1/4" hole, using 120 sacks Class "G"

Authorization for Additional Well: UIC Area Permit UT20847-00000
Well: Tar Sand Federal 6-31-8-17 EPA Well ID: UT20847-09386

cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,117 ft. in a 7-7/8" hole secured with 805 sacks of cement. Total driller depth is 6,120 ft. Plugged back total depth is 6,079 ft. EPA calculates top of cement at 896 ft. Estimated CBL top of cement is 350 ft.

Perforations: Top perforation: 4,352 ft. Bottom perforation: 6,005 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a 1/4-mile radius around the Tar Sand Federal 6-31-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Tar Sand Federal 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.

Sand Wash M-31 API: 43-013-34031 SENW Sec. 31-T8S-R17E

Sand Wash 5-31 API: 43-013-31607 SWNW Sec. 31-T8S-R17E
This well is an injection well authorized by UIC Permit UT20847-04575.

Sand Wash N-31-8-17 API: 43-013-34032 NESW Sec. 31-T8S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a 1/4-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.

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,

*Authorization for Additional Well: UIC Area Permit UT20847-00000
Well Tar Sand Federal 6-31-8-17 EPA Well ID: UT20847-09386*

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.

Tar Sands Federal #6-31-8-17

Spud Date: 7/15/97
 Put on Production: 8/16/97
 GL: 5313' KB: 5325'

Initial Production: 111 BOPD,
 250 MCFPD, 10 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (301.25')
 DEPTH LANDED: 299.8' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

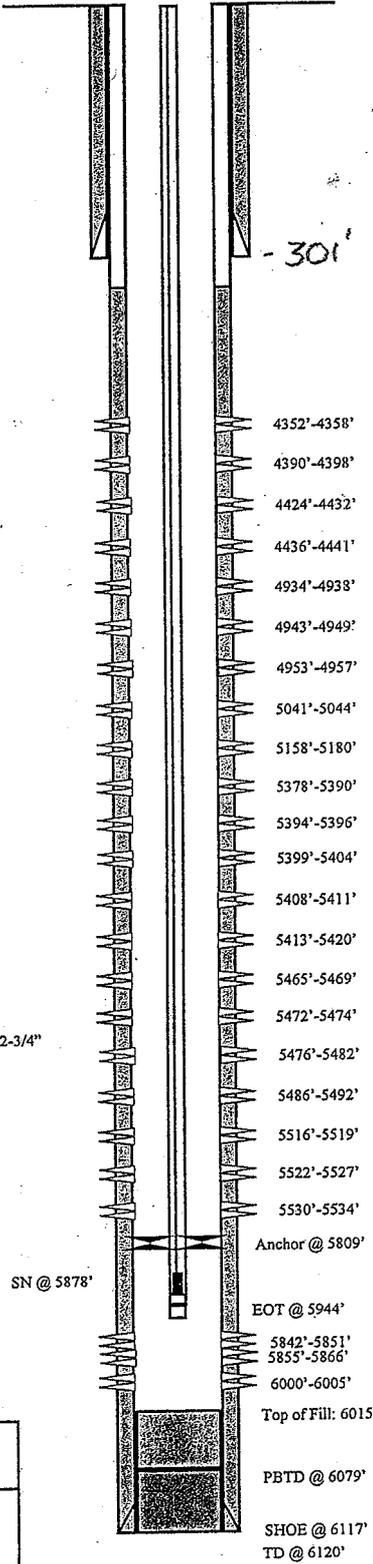
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts. (6122.33')
 DEPTH LANDED: 6117' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 425 sxs Hibond mixed & 380 sxs thixotropic
 CEMENT TOP AT: 350' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#
 NO. OF JOINTS: 186 jts (5797.46')
 TUBING ANCHOR: 5809.46" KB
 NO. OF JOINTS: 2 jt (66.03')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 5878.29' KB
 NO. OF JOINTS: 2 jt (65.16')
 TOTAL STRING LENGTH: EOT @ 5944.99' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 8', 6' 4" x 3/4" pony rods, 6- 1 1/2" weighted bars, 52-3/4" scraped rods, 72-3/4" plain rods, 106-3/4" scraped rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 13' RTBC Macgyver pump
 STROKE LENGTH: 74" SL
 PUMP SPEED, SPM: 4 SPM



FRAC JOB

8/4/97	5842'-6005'	Frac CP sand as follows: 1590# of 20/40 sand in 308 bbls of Boragel. Treated @ avg rate of 22.0 bpm w/avg press of 1750 psi. ISIP-1697 psi.
8/6/97	5842'-6005'	Refrac CP sand as follows: 119,300# of 20/40 sand in 594 bbls of Boragel. Treated @ avg rate of 26.80 bpm w/avg press of 1560 psi. ISIP-2031 psi.
8/7/97	5378'-5534'	Frac A/LDC sands as follows: 166,400# of 20/40 sand in 746 bbls of Boragel. Treated @ avg rate of 43.3 bpm w/avg press of 1700 psi. ISIP-1626 psi.
8/9/97	5158'-5180'	Frac B sands as follows: 125,400# of 20/40 sand in 583 bbls of Boragel. Treated @ avg rate of 25.0 bpm w/avg press of 1600 psi. ISIP-2401 psi.
8/12/97	4934'-5044'	Frac D sands as follows: 106,100# of 20/40 sand in 527 bbls of Boragel. Treated @ avg rate of 26.6 bpm w/avg press of 1900 psi. ISIP-3264 psi.
7/03/02	4352'-4441'	Frac GB4 & GB6 sands as follows: 124,780# of 20/40 sand in 825 bbls of Viking I-25 fluid. Treated @ avg rate of 27 bpm w/avg press of 2100 psi. ISIP-3264 psi. Calc. flush: 4352 gal. Actual flush: 4242 gal.
7/23/02		Stuck Pump. Update rod details.
8/02/02		Stuck Pump. Update rod details.
2/26/03		Pump Change. Update rod details.
3/28/03		Stuck Pump, Sheared TA. Update rod details.
12/9/05		Parted rods. Update rod and tubing details.
03/26/07		Stuck Pump. Update rod and tubing details.
05/08/07		Workover. Update rod and tubing details.

Confining Zone
 3694' - 4199'

PERFORATION RECORD

8/04/97	6000'-6005'	4 JSPP	20 holes
8/04/97	5855'-5866'	4 JSPP	44 holes
8/04/97	5842'-5851'	4 JSPP	44 holes
8/07/97	5530'-5534'	2 JSPP	8 holes
8/07/97	5522'-5527'	2 JSPP	10 holes
8/07/97	5516'-5519'	2 JSPP	6 holes
8/07/97	5486'-5492'	2 JSPP	12 holes
8/07/97	5476'-5482'	2 JSPP	12 holes
8/07/97	5472'-5474'	2 JSPP	4 holes
8/07/97	5465'-5469'	2 JSPP	8 holes
8/07/97	5413'-5420'	2 JSPP	14 holes
8/07/97	5408'-5411'	2 JSPP	6 holes
8/07/97	5399'-5404'	2 JSPP	10 holes
8/07/97	5394'-5396'	2 JSPP	4 holes
8/07/97	5378'-5390'	2 JSPP	24 holes
8/09/97	5158'-5180'	4 JSPP	80 holes
8/12/97	5041'-5044'	4 JSPP	12 holes
8/12/97	4953'-4957'	4 JSPP	16 holes
8/12/97	4943'-4949'	4 JSPP	24 holes
8/12/97	4934'-4938'	4 JSPP	16 holes
7/02/02	4436'-4441'	4 JSPP	20 holes
7/02/02	4424'-4432'	4 JSPP	32 holes
7/02/02	4390'-4398'	4 JSPP	32 holes
7/02/02	4352'-4358'	4 JSPP	24 holes

NEWFIELD

Tar Sands Federal #6-31-8-17

1785' FNL & 1825' FWL
 SE/NW Section 31-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31686; Lease #U-74869

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: TAR SANDS FED 6-31
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013316860000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1785 FNL 1825 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/29/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 03/26/2012. On 03/21/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 03/29/2012 the casing was pressured up to 1705 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 180 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-09386</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 09, 2012</p>
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 4/2/2012

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: 3 / 29 / 17
 Test conducted by: Troy Lazenby
 Others present: _____

Well Name: <u>Ter Sande Fed Monument Bette</u> <u>6-31-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Bette</u>		
Location: <u>6-31-8-17</u> Sec: <u>31</u> T <u>95</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Troy Lazenby</u>		
Last MIT: <u>/ /</u> Maximum Allowable Pressure: _____ PSIG		

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: 0 bpd

Pre-test casing/tubing annulus pressure: 0 psig

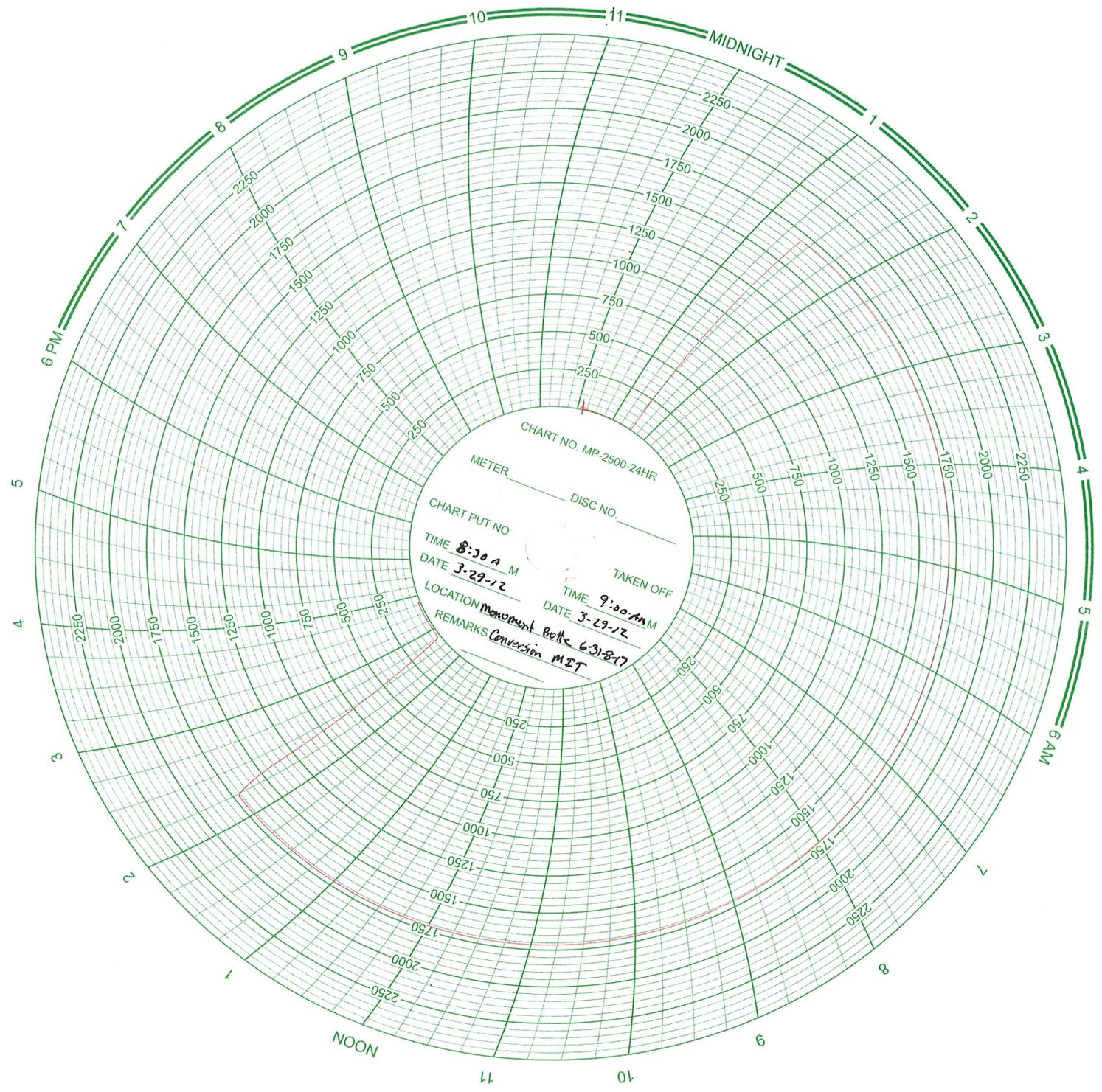
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>180</u> psig	psig	psig
End of test pressure	<u>180</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1705 / 180</u> psig	psig	psig
5 minutes	<u>1705 / 180</u> psig	psig	psig
10 minutes	<u>1705 / 180</u> psig	psig	psig
15 minutes	<u>1705 / 180</u> psig	psig	psig
20 minutes	<u>1705 / 180</u> psig	psig	psig
25 minutes	<u>1705 / 180</u> psig	psig	psig
30 minutes	<u>1705 / 180</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____



Daily Activity Report

Format For Sundry

TAR SANDS 6-31-8-17

1/1/2012 To 5/30/2012

3/20/2012 Day: 1

Conversion

Stone #10 on 3/20/2012 - MIRUSU WWS #10. TOOH laying down rods. Get out of hole w/ rods. ND wellhead & release TAC. NU BOP. RU work floor. - MIRUSU SWS #10. RD pumping unit. Hot oiler had pumped 60 bw down csg @ 250°. Unseat rod pump. Flush rods & tbg w/ 40 bw. Soft seat rod pump. Fill & test tbg to 3000 psi w/ 18 bw. Good test. Retrieve rods. TOOH laying down rod string. Get out of hole w/ rod detail @ follows. 1 1/2" x 22' polished rod, 1 - 4' & 6' x 3/4" pony sub, 105 - 3/4" guided rods (4 per), 70 - 3/4" slick, 52 - 3/4" guided rods (4 per), 6 - 1 1/2" wt bars. ND wellhead. Release TAC. NU BOP. RU work floor. SDFN EWTR 118 BBLs. - Crew travel - Crew travel & pre-job safety meeting.

Daily Cost: \$0

Cumulative Cost: \$70,565

3/21/2012 Day: 2

Conversion

Stone #10 on 3/21/2012 - TOOH w/ tbg tallying, breaking collars, & applying Liquid O-Ring to threads. TIH w/ Weatherford 5 1/2" AS-1X PKR & injection string. Pressure up tbg. - Crew travel. - PU 5 jts tbg to tag fill @ 6028'. LD 5 jts tbg. TOOH tallying, breaking collars, & applying Liquid O-ring to threads on tbg. Get out of hole w/ 138 jts (flushed tbg w/ 30 bw on TOOH). Flush TBG down CSG w/ 15 bw @ 250°. Continue TOOH laying down tbg. LD 52 jts tbg, TAC, 2 jts, PSN, 2 jts, & NC. MU btm hole assembly & TIH w/ injection string @ follows. 5 1/2" Weatherford AS 1-X PKR, new PSN, & 138 jts tbg. Get in hole w/ tbg. Flush tbg w/ 15 bw & drop standing valve. Fill & test tbg to 3000 psi w/ 20 bw. Leave pressure on well through night. SDFN - Crew travel & pre-job safety meeting.

Daily Cost: \$0

Cumulative Cost: \$77,735

3/23/2012 Day: 3

Conversion

Stone #10 on 3/23/2012 - Get tbg test. Circulate PKR fluid. Set PKR. Attempt to get csg test. No test. TOOH w/ tbg & pkr. - Open well. TBG had lost 25 psi over night. Watch for 30 min. No pressure loss. RIH w/ sandline. Latch onto & un-seat standing valve. POOH w/ sandline. RD work floor. ND BOP. MU B-1 adapter flange. Land tbg on wellhead. Circulate w/ 50 bbls PKR fluid. Set PKR. Land tbg w/ 15000# tension. Pressure up csg to 1400 psi. Had to bump up 3 times. Could not get test. ND well head. Release PKR. Re-land on wellhead. Try to flush by PKR. Pressure up to 1200 psi & PKR failed. ND well head. NU BOP. RU work floor. TOOH w/ 40 jts tbg. SDFN - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Open well. TBG had lost 25 psi over night. Watch for 30 min. No pressure loss. RIH w/ sandline. Latch onto & un-seat standing valve. POOH w/ sandline. RD work floor. ND BOP. MU B-1 adapter flange. Land tbg on wellhead. Circulate w/ 50 bbls PKR fluid. Set PKR. Land tbg w/ 15000# tension. Pressure up csg to 1400 psi. Had to bump up 3 times. Could not get test. ND well head. Release PKR. Re-land on wellhead. Try to flush by PKR. Pressure up to 1200 psi & PKR failed. ND well head. NU BOP. RU work floor. TOOH w/ 40 jts tbg. SDFN - Crew travel & pre-job safety meeting. - Open well. Flush tbg w/ 30 bw @ 250°. TOOH w/ remaining 90 jts tbg. Change out pkr. TIH w/ tbg. Get in hole w/ tbg. Pump 15 bw & drop SV. Fill & test tbg w/ 18 bw. Watch pressure for 30 min. No test. Bump up pressure 4 times. No test. RIH w/ sand line. Latch onto & unseat SV. POOH w/ sand line. Drop second SV & push to btm w/ sand line. Fill & test tbg to 3000 psi w/ 17 bw. Lost 200 psi in 1 hr. Leave pressure on tbg. SDFN. - Open

well. Flush tbg w/ 30 bw @ 250°. TOOH w/ remaining 90 jts tbg. Change out pkr. TIH w/ tbg. Get in hole w/ tbg. Pump 15 bw & drop SV. Fill & test tbg w/ 18 bw. Watch pressure for 30 min. No test. Bump up pressure 4 times. No test. RIH w/ sand line. Latch onto & unseat SV. POOH w/ sand line. Drop second SV & push to btm w/ sand line. Fill & test tbg to 3000 psi w/ 17 bw. Lost 200 psi in 1 hr. Leave pressure on tbg. SDFN. - Crew travel - Crew travel - Crew travel & pre-job safety meeting.

Daily Cost: \$0

Cumulative Cost: \$79,888

3/26/2012 Day: 5

Conversion

Stone #10 on 3/26/2012 - Drop rebuilt SV pressure test tbg to 3000 psi w/ good test. Pump pkr fluid & test csg to 1400 psi w/ good test. RDMOSU WWS #1. - Open well. RIH w/ sandline & retrieve SV. POOH w/ sandline. Drop rebuilt SV. Pressure test tbg to 3000 psi w/ 16 bw. Watch for 30 min w/ no pressure loss. ND BOP. Land tbg on wellhead. Circulate pkr fluid. Pressure test csg to 1400 psi. Watch for 1 hr w/ no pressure loss. Good test. Set PKR. NU wellhead & injection tree. RDMOSU SWS #10. READY FOR MIT!! - Crew travel -

Daily Cost: \$0

Cumulative Cost: \$83,934

4/2/2012 Day: 6

Conversion

Rigless on 4/2/2012 - Conduct initial MIT - On 03/21/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 03/29/2012 the casing was pressured up to 1705 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 180 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20847-09386 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$109,254

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 84052

DIV. OF OIL, GAS & MINING

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

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20847-09386
Well: Tar Sands Federal 6-31-8-17
SENW Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31686

Dear Mr. Durfey:

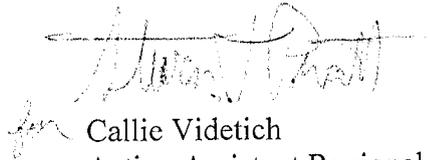
The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) April 2, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20847-09386.

As of the date of this letter, Newfield is authorized to commence injection into the Tar Sands Federal 6-31-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 935 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20847-09386. If Newfield seeks a higher MAIP than 935 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of, and to comply with, all conditions of Permit UT20847-09386.

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

Sincerely,



for Callie 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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: TAR SANDS FED 6-31
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013316860000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1785 FNL 1825 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/18/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> 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 1:10 PM on 04/18/2012. EPA # UT20847-09386		
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



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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

NOV 29 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, Utah 84502

RECEIVED
DEC 06 2012
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 Continue Injection
EPA UIC Permit UT20847-09386
Well: Tar Sands Federal 6-31-8-17
SENW Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31686

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 received the results of the October 24, 2012, Radioactive Tracer Survey (RTS) for the Tar Sands Federal 6-31-8-17 well. The EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 935 psig.

As of the date of this letter, the EPA hereby authorizes continued injection into the Tar Sands Federal 6-31-8-17 well under the terms and conditions of UIC Permit UT20847-09386.

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 (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of the EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

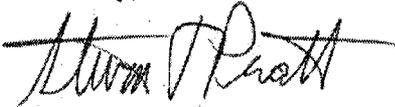
As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on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

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

Or, you may reach Ms. Roberts by telephone at (303) 312-7056 or (800) 227-8927, extension 312-7056. Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20847-09386.

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

Sincerely,



for Derrith Watchman-Moore
Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

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

Johnna Blackhair
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

Tar Sands Federal 6-31-8-17

Spud Date: 7/15/97
 Put on Production: 8/16/97
 GL: 5313' KB: 5325'

Initial Production: 111 BOPD,
 250 MCFPD, 10 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (301.25')
 DEPTH LANDED: 299.8' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium crnt. est 5 bbls to surf.

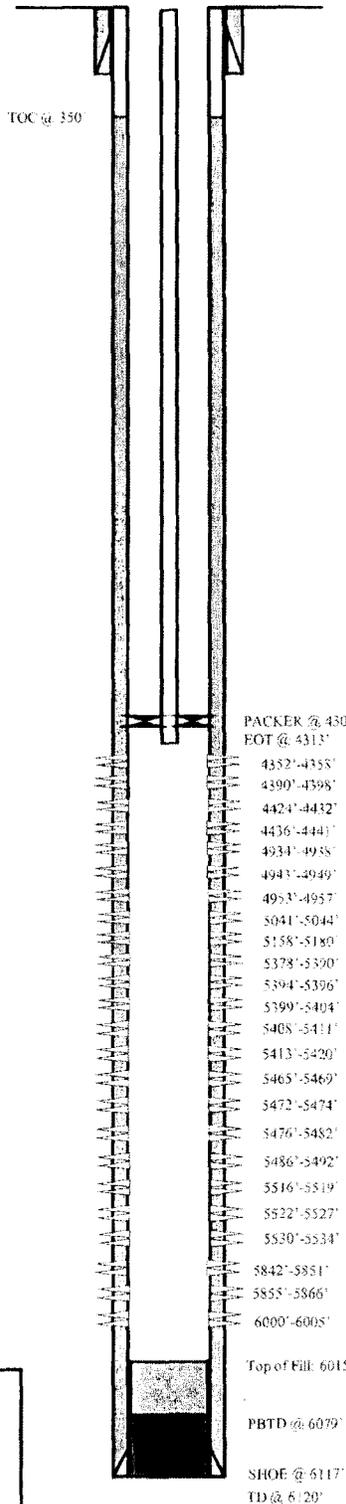
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts (6122.33')
 DEPTH LANDED: 6117' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 425 sxs Hibond mixed & 350 sxs thixotropic
 CEMENT TOP AT: 350' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 TUBING PUP: 1 jt (6.2')
 NO. OF JOINTS: 135 jts (4286.1')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4304.3' KB
 CE @ 4308.71'
 TOTAL STRING LENGTH: EOF @ 4312.85' KB

Injection Wellbore
 Diagram



FRAC JOB

8/4/97	5842'-6005'	Frac CP sand as follows: 1590# of 20/40 sand in 308 bbls of Boragel. Treated @ avg rate of 22.0 bpm w/avg press of 1750 psi. ISIP-1697 psi.
8/6/97	5842'-6005'	Refrac CP sand as follows: 119,300# of 20/40 sand in 394 bbls of Boragel. Treated @ avg rate of 26.80 bpm w/avg press of 1560 psi. ISIP-2031 psi.
9/7/97	5378'-5534'	Frac A/LDC sands as follows: 166,400# of 20/40 sand in 746 bbls of Boragel. Treated @ avg rate of 43.3 bpm w/avg press of 1700 psi. ISIP-1626 psi.
8/9/97	5158'-5180'	Frac B sands as follows: 125,400# of 20/40 sand in 583 bbls of Boragel. Treated @ avg rate of 25.0 bpm w/avg press of 1600 psi. ISIP-2401 psi.
8/12/97	4934'-5044'	Frac D sands as follows: 106,100# of 20/40 sand in 527 bbls of Boragel. Treated @ avg rate of 26.6 bpm w/avg press of 1900 psi. ISIP-3264 psi.
7/03/02	4352'-4441'	Frac GB4 & GB6 sands as follows: 124,750# of 20/40 sand in 825 bbls of Viking 1-25 fluid. Treated @ avg rate of 27 bpm w/avg press of 2100 psi. ISIP-3264 psi. Calc. flush: 4352 gal. Actual flush: 4242 gal.
7/23/02		Stuck Pump. Update rod details.
8/02/02		Stuck Pump. Update rod details.
2/26/03		Pump Change. Update rod details.
3/28/03		Stuck Pump. Sheared TA. Update rod details.
12/9/05		Parted rods. Update rod and tubing details.
03/26/07		Stuck Pump. Update rod and tubing details.
05/08/07		Workover. Update rod and tubing details.
03/26/12		Convert to Injection Well
03/29/12		Conversion MIT Finalized - update lbg detail

PERFORATION RECORD

Date	Depth Range	ISIP	Holes
8/04/97	6000'-6005'	4 JSPP	20 holes
8/04/97	5855'-5865'	4 JSPP	44 holes
8/04/97	5842'-5851'	4 JSPP	44 holes
8/07/97	5530'-5534'	2 JSPP	8 holes
8/07/97	5522'-5527'	2 JSPP	10 holes
8/07/97	5516'-5519'	2 JSPP	6 holes
8/07/97	5486'-5492'	2 JSPP	12 holes
8/07/97	5476'-5482'	2 JSPP	12 holes
8/07/97	5471'-5474'	2 JSPP	4 holes
8/07/97	5465'-5469'	2 JSPP	8 holes
8/07/97	5413'-5420'	2 JSPP	14 holes
8/07/97	5408'-5411'	2 JSPP	6 holes
8/07/97	5399'-5404'	2 JSPP	10 holes
8/07/97	5394'-5396'	2 JSPP	4 holes
8/07/97	5375'-5390'	2 JSPP	24 holes
8/09/97	5158'-5180'	4 JSPP	80 holes
8/12/97	5041'-5044'	4 JSPP	12 holes
8/12/97	4953'-4957'	4 JSPP	16 holes
8/12/97	4943'-4949'	4 JSPP	24 holes
8/12/97	4934'-4935'	4 JSPP	16 holes
7/02/02	4436'-4441'	4 JSPP	20 holes
7/02/02	4424'-4432'	4 JSPP	32 holes
7/02/02	4390'-4395'	4 JSPP	32 holes
7/02/02	4352'-4358'	4 JSPP	24 holes

NEWFIELD

Tar Sands Federal 6-31-8-17

1785' FNL & 1825' FWL

SE: NW Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-31686, Lease #U-74869