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DIVISION OF OIL, GAS & MINING

December 17, 1999

United States Department of Interior
Bureau of Land Management
Vernal District Office
ATTN: Margie Herrmann
170 South 500 East
Vernal, Utah 84078-2799

RE: Greater Boundary Federal 11-28-8-17
NESW Section 28, T8S, R17E
Duchesne, Utah

Dear Ms. Herrmann:

Enclosed please find the Application for Permit to Drill the Greater Boundary Federal 11-28-8-17 well, submitted in triplicate, for your review and approval.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Anita L. Shipman
Operations Secretary

Enc: Form 3160-3 (3 copies)

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

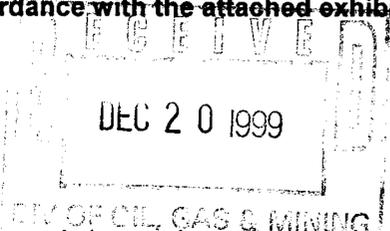
**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-76241	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Inland Production Company		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
3. ADDRESS OF OPERATOR 410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102		8. FARM OR LEASE NAME GREATER BOUNDARY FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface NESW At proposed Prod. Zone S 1695' FNL & 1882' FWL		9. WELL NO. 11-28-8-17	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 14 miles SE of Myton, Utah		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1695'	16. NO. OF ACRES IN LEASE 1880	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 6500'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5124.2 GR		22. APPROX. DATE WORK WILL START* 1st Quarter 2000	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
Refer to Monument Butte Field SOP's Drilling Program/Casing Design			

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

The Conditions of Approval are also attached.



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

24. SIGNED *Anita L. Shipman for Jon Holst* TITLE Operations Sec'y DATE 12/17/99
Anita L. Shipman for Jon Holst, Counsel

(This space for Federal or State office use)

PERMIT NO. 43-013-32134 APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Bradley G. Hill* **BRADLEY G. HILL** RECLAMATION SPECIALIST III DATE 1/18/00

**Federal Approval of this
Action is Necessary**

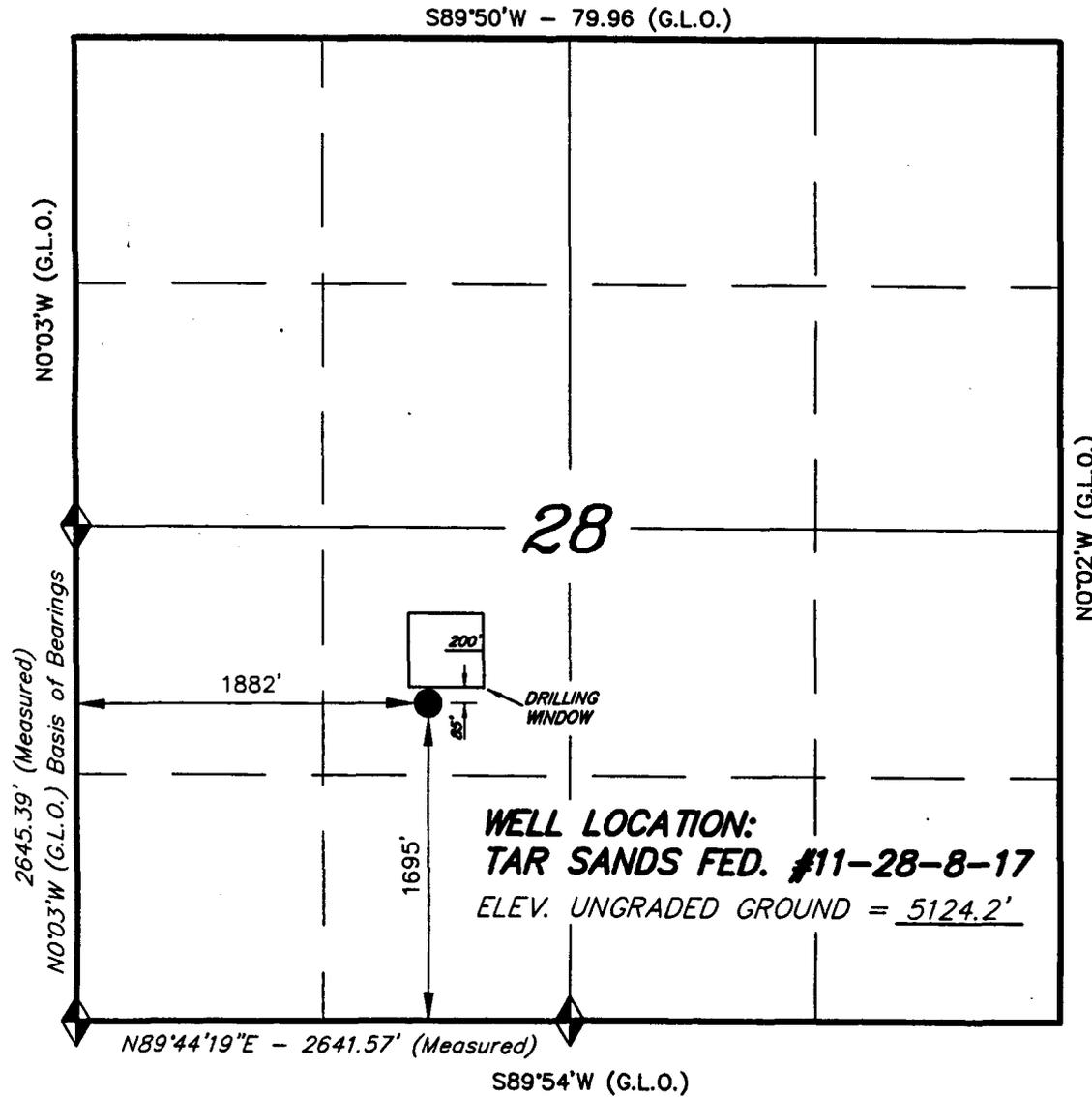
***See Instructions On Reverse Side**

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

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

INLAND PRODUCTION COMPANY

WELL LOCATION, TAR SANDS FED.
 #11-28-8-17, LOCATED AS SHOWN IN THE
 NE 1/4 SW 1/4 OF SECTION 28, T8S, R17E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

Gene Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 144102
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

TRI STATE LAND SURVEYING & CONSULTING	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.S.
DATE: 9/6/99	WEATHER: FAIR
NOTES:	FILE #

INLAND PRODUCTION COMPANY
GREATER BOUNDARY FEDERAL 11-28-8-17
NESW SECTION 28, T8S, 17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 -1800'
Green River	1800'
Wasatch	6500'

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

Green River Formation 1800' - 6500' - Oil

4. **PROPOSED CASING PROGRAM:**

Please refer to the Monument Butte Field SOP.

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

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

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

Please refer to the Monument Butte Field SOP.

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

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H₂S will be encountered in this area.

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

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
GREATER BOUNDARY FEDERAL 11-28-8-17
NESW SECTION 28, T8S, 17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Greater Boundary Federal 11-28-8-17 located in the NE ¼ SW ¼ Section 28, T8S, R17E, S.L.B. & M., Duchesne County, Utah::

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles +/- to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.6 miles to its junction with Sand Wash Road. Proceed southerly on Sand Wash Road for approximately 10.7 miles and turn left and go north approximately 1.7 miles to the beginning of the proposed access road.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "D"

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

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

8. **ANCILLARY FACILITIES:**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT:**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s). Refer to Exhibits "E" and "E-1".

10. **PLANS FOR RESTORATION OF SURFACE:**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the Greater Boundary Federal 11-28-8-17 to allow for construction of a 6" poly gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C".

Inland Production Company also requests a 60' ROW be granted for the Greater Boundary Federal 11-28-8-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. Refer to Topographic Map "C".

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Jon Holst
Address: 410 Seventeenth Street
Suite 700
Denver, CO 80202
Telephone: (303) 893-0102

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #11-28-8-17, NESW Section 28, T8S, R17E, Lease U-76241, Duchesne, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

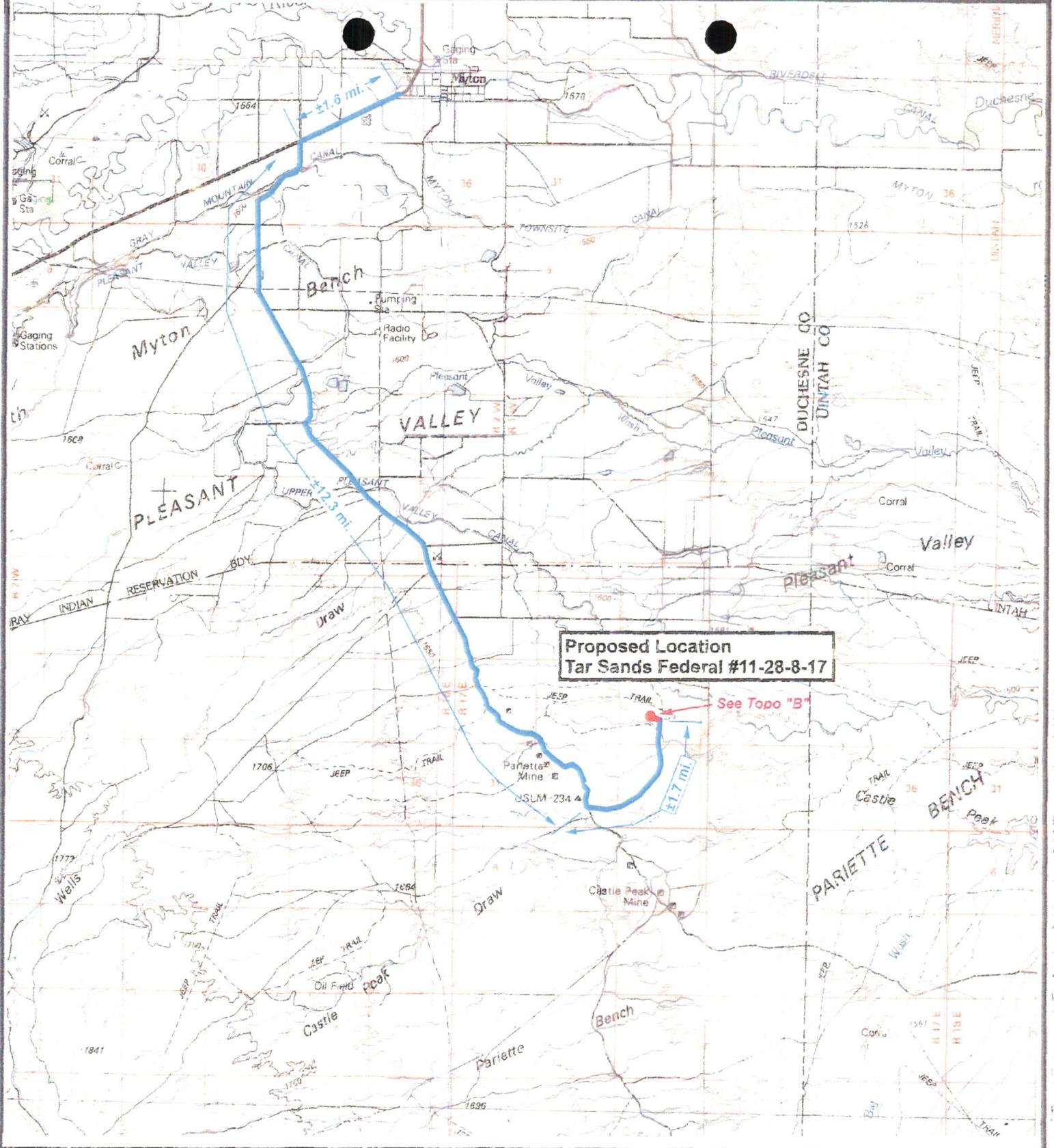
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. 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 the 18 U.S.C. 1001 for the filing of a false statement.

12-16-99

Date



Jon Holst
Counsel



**Proposed Location
Tar Sands Federal #11-28-8-17**

See Topo "B"

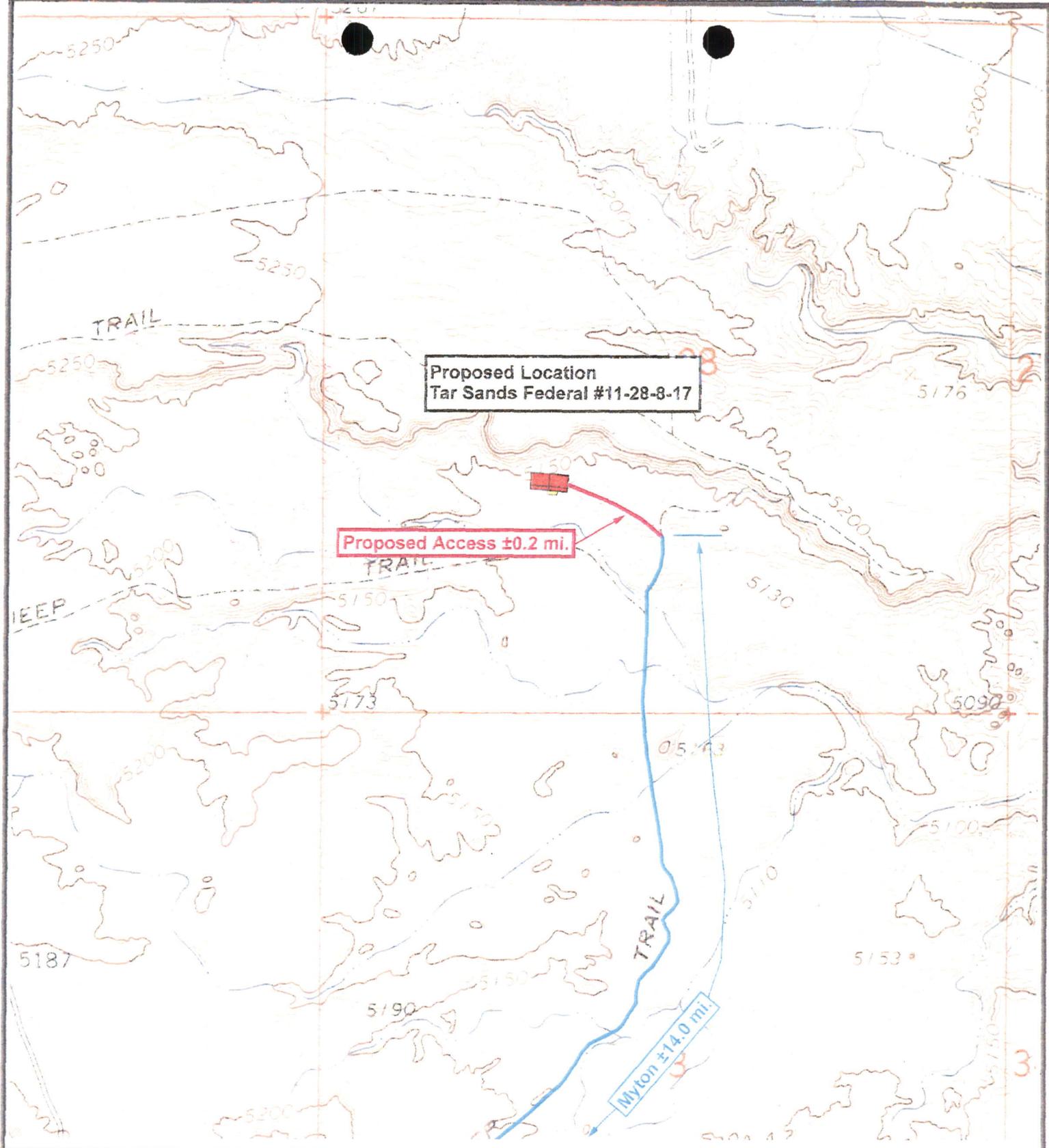


RESOURCES INC.

**TAR SANDS FEDERAL #11-28-8-17
SECTION 28, T8S, R17E, S.L.B.&M.
TOPOGRAPHIC MAP "A"**



(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078



Proposed Location
Tar Sands Federal #11-28-8-17

Proposed Access ±0.2 mi.

Mylon ±14.0 mi.



RESOURCES INC.

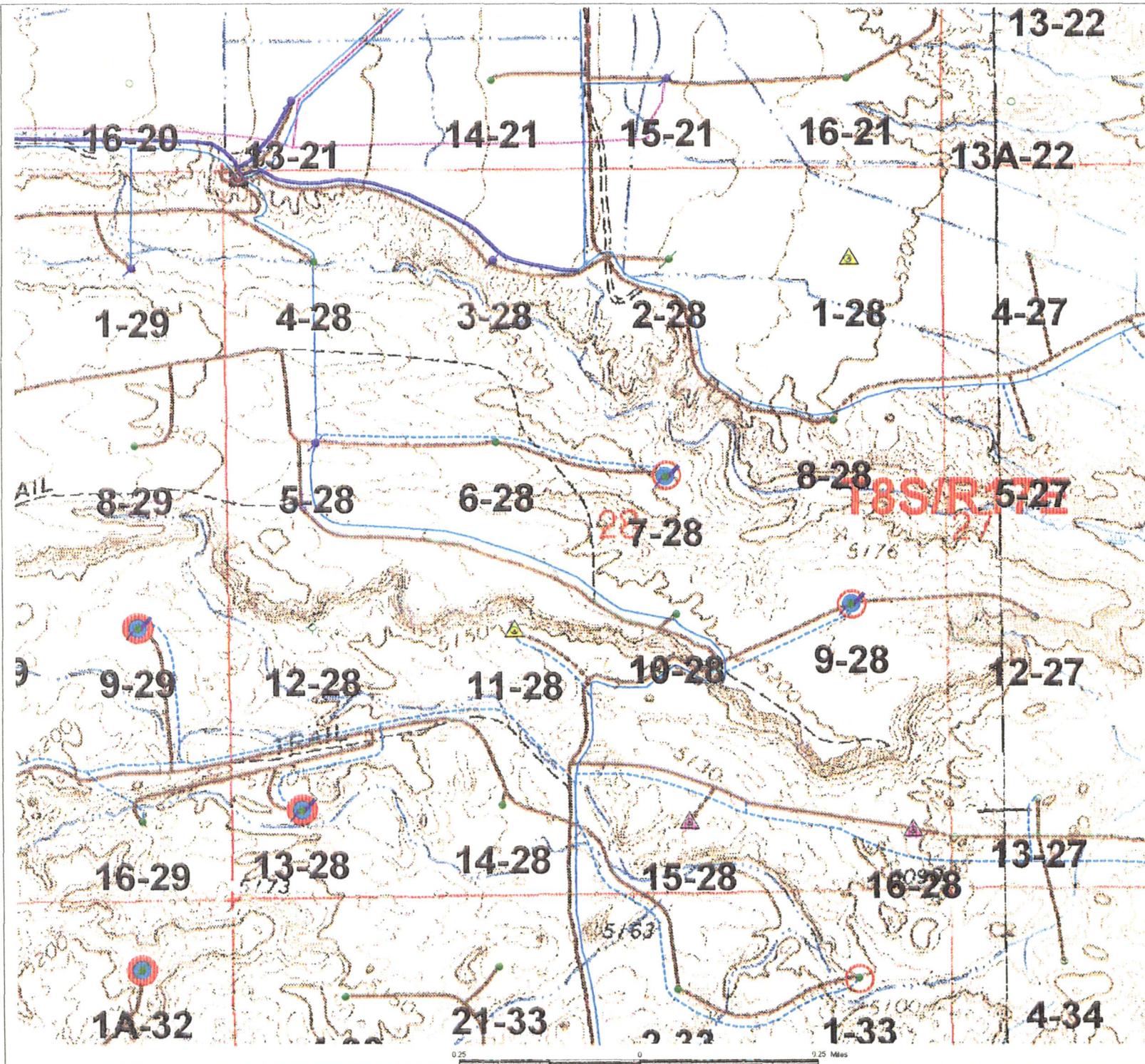
TAR SANDS FEDERAL #11-28-8-17
SECTION 28, T8S, R17E, S.L.B.&M.
TOPOGRAPHIC MAP "B"



SCALE 1" = 1000'



(801) 781-2501
58 WEST 100 NORTH VERNAL, UTAH 84078

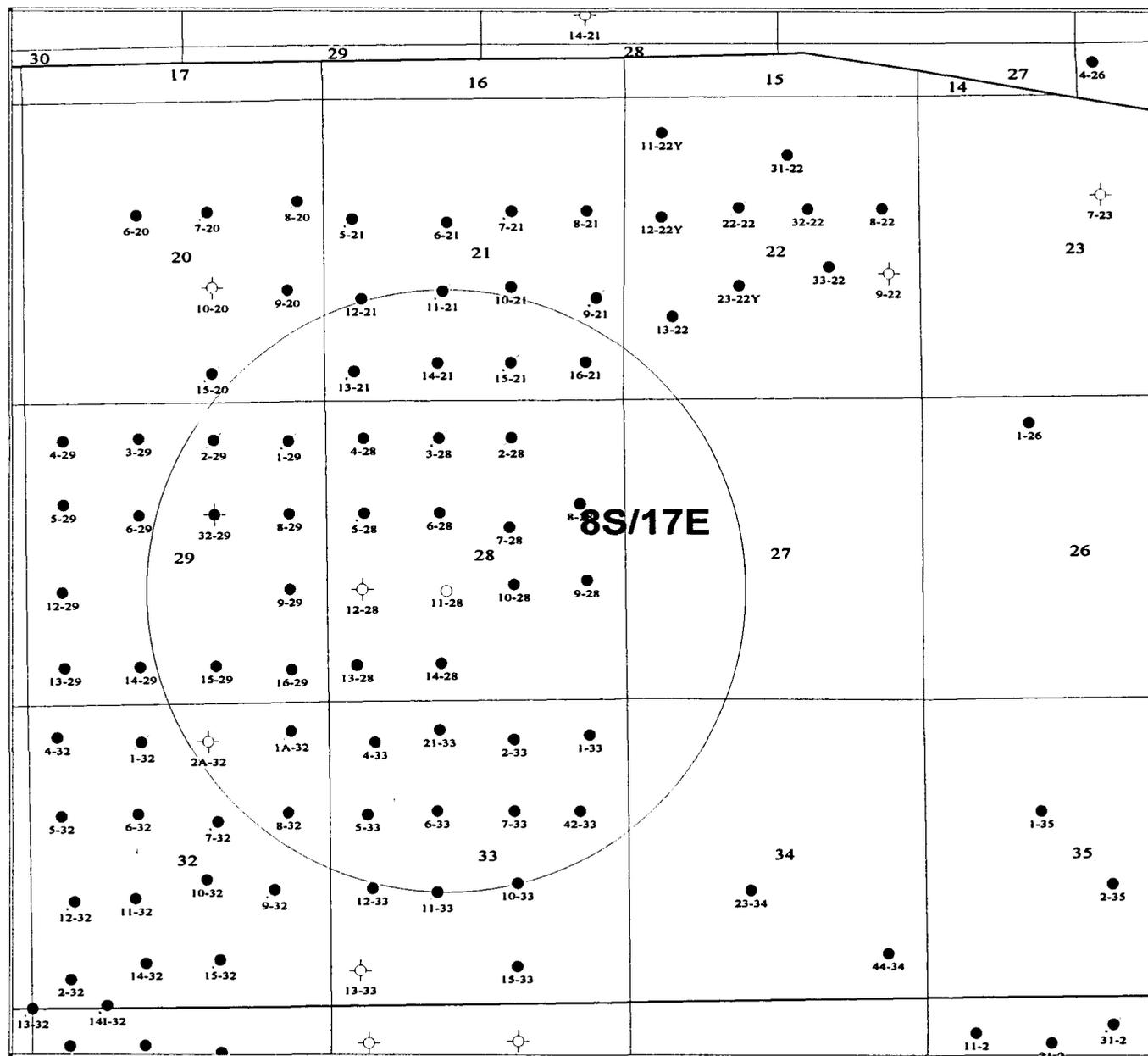


- Water Priority Location
- Water Categories**
- WJ
- WTK
- SWD
- DL
- WAS
- DXY
- SMTM
- SUSPENDED
- ABND
- LOC
- 2000 Proposed System
- 2000 Diking Program
- 2007 Diking Program
- Pending Waterline ROW
- Approved Waterline ROW
- Water Injection Point Pending
- Approved Water Injection Point
- Water Cutoff**
- Water Cutoff 1 to 3 inch
- Water Cutoff 3 to 6 inch
- Water Cutoff 6 to 12 inch
- Water Cutoff 12 to 18 inch
- Water Cutoff 18 to 24 inch
- Water Cutoff 24 to 30 inch
- Water Cutoff 30 to 36 inch
- Water Cutoff 36 to 42 inch
- Water Cutoff 42 to 48 inch
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- Water Cutoff 1494 to 1500 inch

UINTEA BASIN
 Authority of Utah's Quality, UQA
 Date: 11/28/17



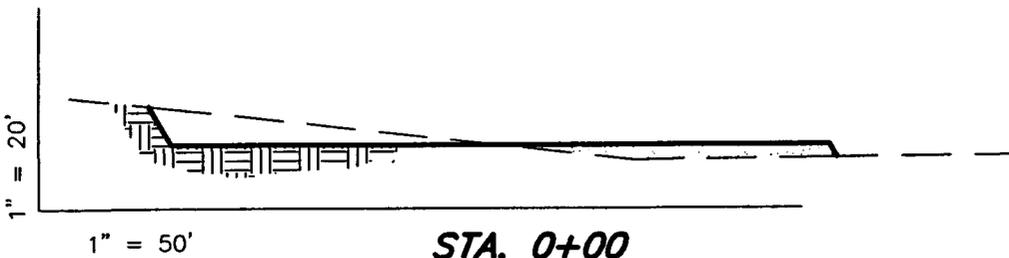
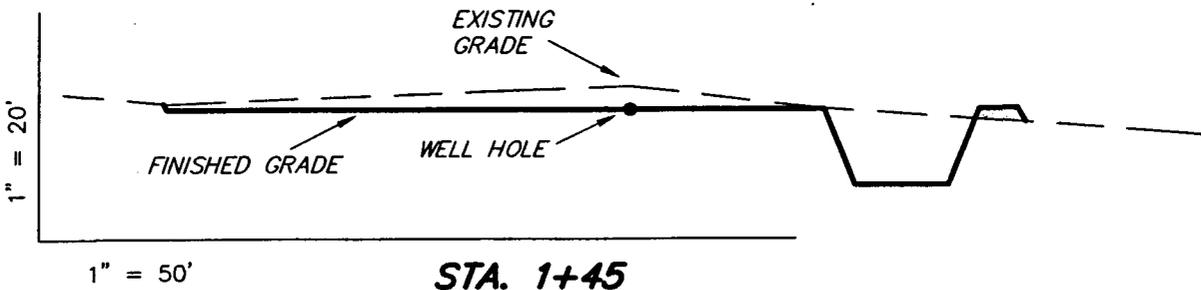
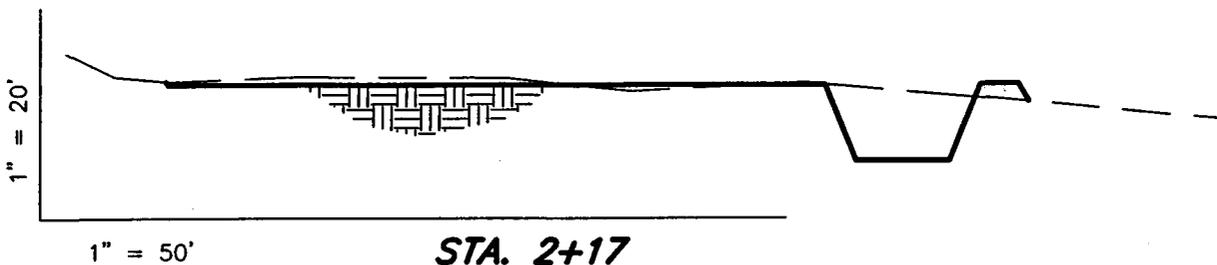
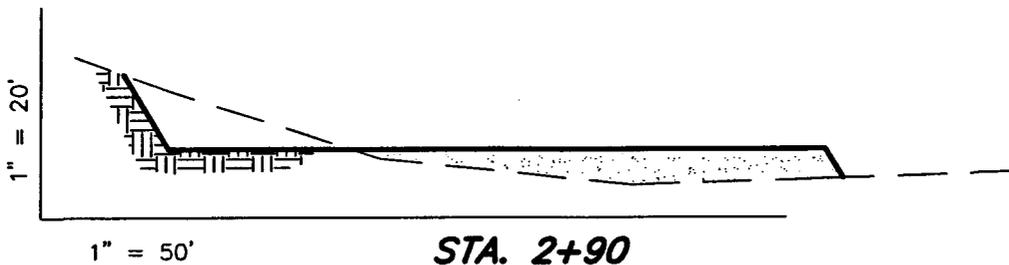
EXHIBIT "D"



INLAND PRODUCTION COMPANY		
One Mile Radius Tar Sands #11-28-8-17		
Jack Aarhem		11/23/99
	Scale 1:3456783	

CROSS SECTIONS

TAR SANDS FED. #11-28-8-17



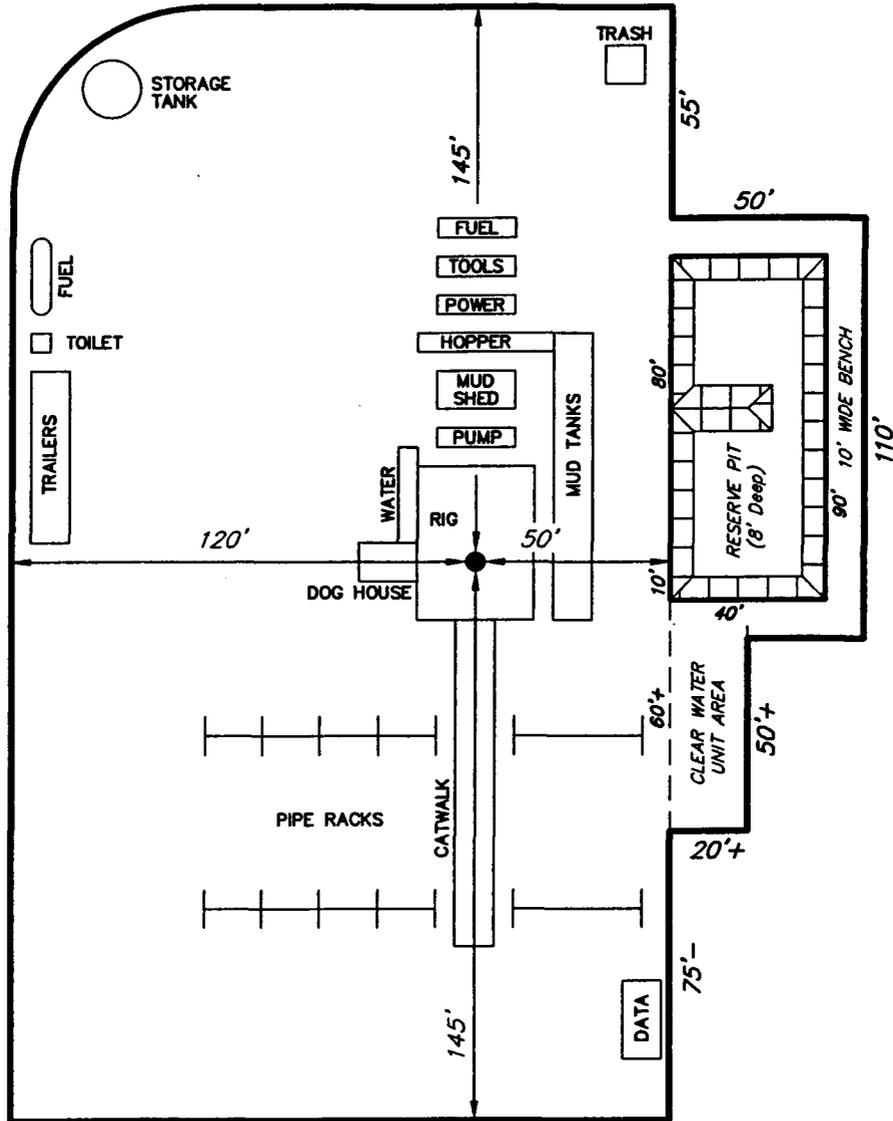
APPROXIMATE YARDAGES

- CUT = 1,040 Cu. Yds.
- FILL = 1,020 Cu. Yds.
- PIT = 920 Cu. Yds.
- 6" TOPSOIL = 1,030 Cu. Yds.

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

TYPICAL RIG LAYOUT

TAR SANDS FED. #11-28-8-17



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH, VERNAL, UTAH 84078

Well No.: Tar Sands 11-28-8-17

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands 11-28-8-17

API Number:

Lease Number: UTU-76241

Location: NESW Sec. 28, T8S, R17E

GENERAL

Access pad from E, off of existing road.

CULTURAL RESOURCES

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

PALEONTOLOGICAL RESOURCES

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

SOILS, WATERSHEDS, AND FLOODPLAINS

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

WILDLIFE AND FISHERIES

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

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

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

FERRUGINOUS HAWK: Due to the well's proximity (less than 0.5 mile) to a historic ferruginous hawk nest site, detailed nest activity surveys must be conducted prior to initiating new construction or surface disturbing activities during the nesting season (March 1 to July 31). If the nest becomes occupied, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest has been unoccupied for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

OTHER

**A CULTURAL RESOURCE BLOCK SURVEY
IN THE TAR SANDS FEDERAL UNIT
DUCHESNE COUNTY, UTAH**

by

**Sheri Murray Ellis
Senior Archaeologist**

Prepared for:

**Inland Production Company
P.O. Box 790233
Vernal, Utah 84079-0233**

Prepared by:

**Sagebrush Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403**

Under Authority of Cultural Resources Use Permit No. 97UT54630

and

Utah State Antiquities Permit No. U-97-SJ-0777b

Archaeological Report No. 1026-01

December 4, 1997

INTRODUCTION

In early November 1997, Inland Production Company (Inland) of Roosevelt, Utah requested that Sagebrush Consultants, L.L.C. (Sagebrush) conduct a cultural resource inventory of a block area within the Tar Sands Federal Unit, Duchesne County, Utah.

The block area consists of the entirety of Sections 28 and 29 in T. 8S., R. 17E. on USGS 7.5' Quadrangle Myton SE, Utah (1964) (Figure 1). Lands in this area are administered by the Bureau of Land Management (BLM), Vernal District Office, Vernal, Utah. Fieldwork for the project was carried out by the author, Heather M. Weymouth, Ann S. Polk, Sarah E. Cowie, and Timothy E. King between November 8 and November 11, 1997 and by the author, Michael R. Polk, Ann S. Polk, and Abraham Arnett on November 21, 1997. All work was conducted under authority of Cultural Resources Use Permit No. 97UT54630 and Utah State Antiquities Permit No. U-97-SJ-0777b.

A file search for previously recorded cultural resource sites near the current project area was conducted by the author and by Heather M. Weymouth and Timothy E. King during record searches for adjacent projects undertaken between August and November 1997. A supplementary file search was carried out by Michael R. Polk on November 13, 1997. All file searches were conducted at the BLM, Vernal District Office.

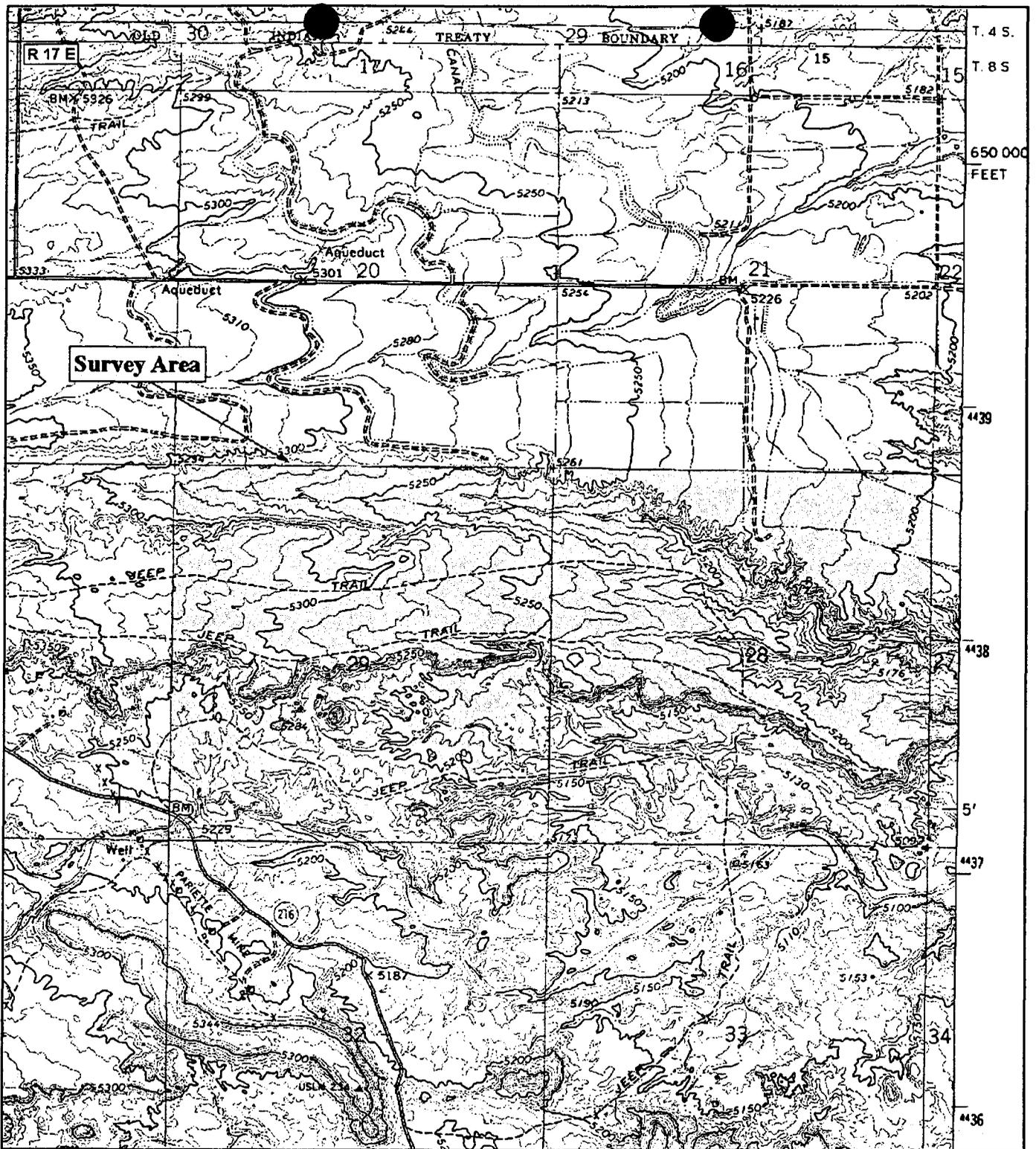
More than 40 previous cultural resources projects have been conducted in the vicinity of the current project. Due to the large number of projects conducted in this area, individual project descriptions will not be listed. However, 23 cultural resource sites are listed as being located near the current project area. Following is a brief description of these sites and localities:

Site 42Dc349. This site, located in a small arroyo north of Castle Peak Draw, is a sparse lithic scatter consisting of decortication flakes, biface manufacturing flakes, and one utilized flake. This site was recommended ELIGIBLE to the National Register of Historic Places (NRHP).

Site 42Dc353. This site, located on a desert pavement surface on top of an east-west ridge north of Castle peak Draw, consists of a lithic scatter and temporary campsite. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc372. This site, located north of the Pariette Mine, is a thin lithic scatter/possible quarry with chert, flint, and quartzite flakes and cores. One diagnostic projectile point was also found. This site was recommended NOT eligible to the National Register of Historic Places (NRHP).

Site 42Dc404. This site, located on the north side of a small draw approximately 0.5 miles north of Castle Peak, consists of a historic trash scatter. This site was recommended NOT eligible to the NRHP.



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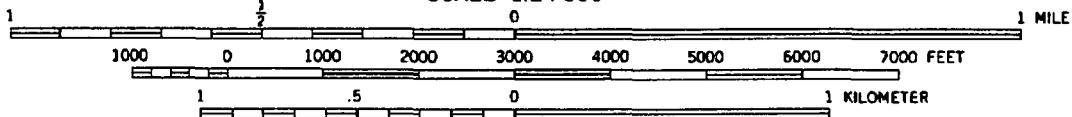


Figure 1. Location of inventory area for the Tar Sands Federal Unit block survey. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

Site 42Dc426. This site, located on the north side of a low butte northwest of Castle Peak Draw, contains both a historic and prehistoric component. The site consists of a prehistoric lithic scatter with groundstone fragments and various lithic tools including bifaces, cores, choppers, and manos. In addition to the prehistoric component, a light scatter of historic tin cans and one historic petroglyph were noted at the site. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc545. This site, located on a sand dune at the junction of a small draw and a main stream channel of Pariette bench, is a lithic scatter consisting of primary and secondary reduction flakes, one biface, one awl, and one edge-modified cobble. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc557. This site, located northwest of the Pariette Mine in a wide drainage at the base of a rock face, is a small historic trash scatter. This site was recommended NOT eligible to the NRHP.

Site 42Dc854. This site is a large prehistoric campsite located in a dunal area, east of Wells Draw. This site consists primarily of a large (500-plus flakes) lithic scatter and some fragments of fire cracked rock. Seven crude bifaces and two possible groundstone fragments (one a possible mano fragment) were also located at this site. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc907. This site consists of a sparse lithic scatter located east/southeast of Wells Draw on a low bench just north of a small knoll. The single tool located at the site was a biface. No diagnostic tools or features were noted at the site. This site was recommended NOT eligible to the NRHP.

Site 42Dc908. This site consists of a large lithic scatter and is located east of Wells Draw on a gently sloping bench above a large drainage and below a small knoll. Tools located at the site include sixteen bifacially worked tools and two cores. No diagnostic tools or features were noted. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc909. This site, located east of Wells Draw on a sandy bluff flanked by three drainages, consists of a large and sparse lithic scatter. Artifacts noted include approximately 150 lithic flakes, three bifaces and a drill. No features and no diagnostic tools were noted. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc935. This site, located in the bottom of Castle Peak Draw at the base of a sandstone ridge, consists of the remaining portion of the Castle Peak Well. The well consists of a reinforced concrete cap placed over a well shaft dug into the bedrock and sediments of Castle Peak Draw. This site was recommended NOT eligible to the NRHP.

Site 42Dc936. This site, located along the base of the east side of Castle Peak, consists of the remaining portion of the historic Castle Peak Gilsonite Mining complex. The mining complex consists of numerous remnant features associated with gilsonite mining at the turn-of-the-century. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc937. This site is a small lithic and tool scatter located along the access road for Monument Butte Federal Well #10-25, near the terminus of a gravel-covered sand bar between two ephemeral stream channels. The lithic scatter is very sparse, consisting of three secondary flakes, two tertiary flakes, and five biface fragments. No features and no diagnostic tools were noted. This site was recommended NOT eligible to the NRHP.

Site 42Dc983 (Pariette Mine Complex). The Pariette Mine, located approximately 15 miles south of Myton in Duchesne County, was the first and most productive gilsonite mine to open in the Uinta Basin. The mine operated from ca. 1896 to the 1940s, closing briefly from 1908 to 1910 as the result of an explosion (Daughters of the Utah Pioneers [DUP] 1947:292; Davis 1952:57). At the time operations began around 1896, five claims were worked along the vein of gilsonite known as the Culmer Vein (DUP 1947:292; Davis 1952:57). These were the Raven, Blackbird, Brunette, Doris No. 1, and Doris No. 2 claims. These claims were worked until around 1930 when they were sold to the Pariette Mining Company (Davis 1952:58). In 1942, the Pariette Mine was sold to the Raven Mining Company which operated the facility until 1951. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc985. This site consists of a very limited lithic scatter which includes a total of three artifacts: one primary flake, one secondary flake, and one biface. The site is located northwest of the Pariette Mine, just south of a low finger ridge and above a small ephemeral drainage. This site was recommended NOT eligible to the NRHP.

Site 42Dc986. This site consists of a moderately sized lithic/tool scatter which includes ± 75 flakes, two bifaces, three unifaces, and four cores. The site is located northwest of the Pariette Mine, northeast of an old, eroded dunal formation. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc987. This site consists of a large lithic/tool scatter which includes less than 100 pieces of lithic debitage, 28 bifacially worked tools, and four reduced cores. No surface features were noted at the site. The site is located northwest of the Pariette Mine, on a low gravel bar between two small drainages at the base of a large knoll. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc1034. This site consists of a medium-sized sparse lithic/tool scatter, located on a low dunal remnant on the south side of an east-west seasonal drainage at Tar Sands Federal Well #3-30. Lithic materials consist of approximately 50 mottled tan chert flakes and three biface fragments. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc1035. This site consists of a small lithic/tool scatter consisting of two cores and three primary flakes of reddish brown and orange/tan chert. The site is located on a low desert pavement surface on a ridge to the southwest of the center stake of Tar Sands Federal Well #3-30. This site was recommended NOT eligible to the NRHP.

Site 42Dc1036. This site is a small tested cobble site, located on a low finger ridge extending southwest from an upper bench above a seasonal drainage. Artifacts include a total of three tested cobbles and six associated primary flakes of tan and grey chert, as well as a fine-grained grey and white chert. This site was recommended NOT eligible to the NRHP.

Site 42Dc1122. This site, located at the base of a steep talus slope above an ephemeral drainage, consists of a small, sparse lithic scatter composed of six pieces of tan, gray-tan mottled, and gray chert debitage. No formal tools, artifact concentrations, or features were noted at the site. This site was recommended NOT eligible to the NRHP.

Site 42Dc1123. This site, located on a low bench in the bottom of a large drainage, consists of a small, sparse lithic scatter composed of chert primary and secondary flakes and shatter. The lithic material at the site includes medium gray and tan-dark brown mottled chert. No formal tools, artifact concentrations, or surface features were noted within the site boundaries. This site was recommended NOT eligible to the NRHP.

In addition to the file searches for known cultural resource sites and paleontological localities, the NRHP was consulted prior to conducting the survey. No NRHP listed or determined eligible sites were found to be in the vicinity of the current project area.

ENVIRONMENT

The project area lies in dissected tablelands south of Pleasant Valley. The elevation of the project area ranges from approximately 5000 feet a.s.l. in the southern (drainage) portion of both sections to 5300 feet a.s.l. in the northern (bench) portion of the sections. Sediments on the benches of the north half of each section consist of tan to light brown silty loam and silty sand with a moderate content of small, angular sandstone gravels. Within the large drainage composing the south half of the sections, the sediments are medium brown sandy silts with a moderate to high content of heavily patinated sandstone and chert cobbles. Natural vegetation throughout the survey area consists of shadscale community species including prickly pear cactus, sagebrush, ricegrass, spiny hopsage, greasewood, four-wing saltbrush, halogeton, and riddle groundsel. Vegetative cover ranges from roughly 30% on the benches to nearly barren within portions of the lower drainage area. There are no permanent natural water sources in the immediate project area, however, many seasonally flowing drainages and washes are present in

the general vicinity. These seasonal water sources were likely the primary sources of water in this area historically. Natural disturbance within the project area primarily consists of sheetwash and aeolian erosion. Cultural disturbance includes existing well pad locations, bladed dirt access roads, and both surface and subsurface pipeline corridors.

METHODOLOGY

The project area consists of a block area composed of Sections 28 and 29. The entire area was inventoried by walking parallel transects spaced no more than 15 meters apart, using USGS land survey markers, existing well pads, pipelines, and access roads, and general topographic features as points of reference. The total area inventoried was 518 hectares (1,280 acres)

RESULTS

Five prehistoric archaeological sites (42Dc1134 through 42Dc1139), one historic archaeological site (42Dc1140), and 26 isolated finds (IF-1 through IF-26), were recorded during the inventory of the Tar Sands Federal Unit block area (Figure 2). Following are brief descriptions of each cultural resource site and each isolated find documented during the inventory.

Cultural Resource Sites

Site 42Dc1134

This site, located on a low, easterly sloping ridge within the northern bench portion of Section 29, consists of a small, sparse bifacially-modified cobble/tool scatter. Overall, the site measures 16 meters (m) by 16 m (50 feet (ft) by 50 ft) in size. The lithic material at the site includes several colors of medium-grained chert and tan quartzite. In all, five bifacially-worked cobbles and one hammerstone were found at the site. Four of the bifacial cobbles were manufactured from either dark brown or tan mottled chert. The fifth bifacial cobble was manufactured from tan quartzite. The hammerstone, which exhibited battering on one end, consisted of an ovate tan quartzite cobble. No lithic debitage was found at the site. The artifacts are located on a deflated surface with a thin pavement of angular gravels. There does not appear to be any cultural depth potential at this site.

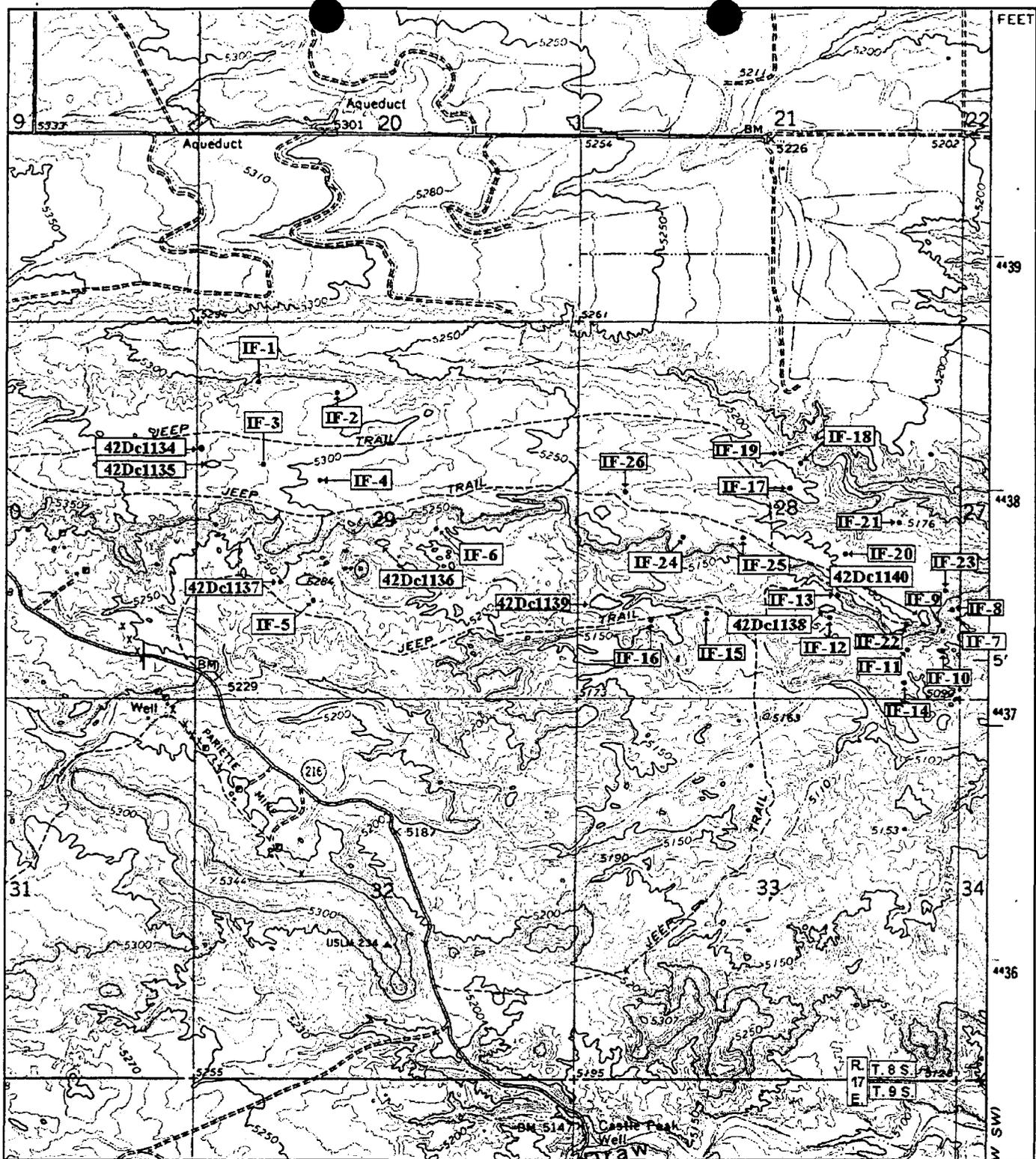


Figure 2. Location of cultural resource found during the inventory of the Tar Sands Federal block. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

Site 42Dc1135

This site, located at the base of a low, easterly sloping ridge within the northern bench portion of section 29, consists of a moderate-sized, sparse lithic scatter. Overall, the site measures 22 m (N-S) by 35 m (E-W) (70 ft by 110 ft) in size and contains between 50 and 75 artifacts, most of which are bifacially-tested cobbles. One small concentration of lithics, composed primarily of bifacially-worked or tested cobbles, was noted in the northwestern portion of the site. Approximately 20 of the bifacially-worked cobbles, one biface, and one hammerstone were found at the site. Most of the bifacial cobbles consist of tan and brown mottled chert. The hammerstone, which exhibited battering on one end, consisted of a tan quartzite cobble. Very few pieces of lithic debitage were found at the site. However, the flakes detached from the cobbles may have been retained for additional working or use elsewhere. The artifacts are located on a deflated surface with a thin pavement of angular gravels. There does not appear to be any cultural depth potential at this site.

Site 42Dc1136

This site, located at the base of a steep talus slope marking the edge of the bench in section 29, consists of a moderately-sized, sparse lithic scatter. Overall, the site measures 16 m (N-S) by 33 m (E-W) (50 ft by 100 ft) in size and contains approximately 12 artifacts. Among the artifacts noted are two bifacially-tested cobbles, one large biface, one end-modified biface/chopper, one core, two primary flakes, and two secondary flakes. All but one of the artifacts, an orange colored chert biface, consist of brown and cream mottled chert. The artifacts are located on a grayish tan silty sand with a thin pavement of heavily patinated sandstone gravels. There does not appear to be any cultural depth potential at this site.

Site 42Dc1137

This site, located on a flat plain at the base of a small, bouldered knoll within the southern portion of section 29, consists of a small, sparse lithic scatter. Overall, the site measures 16 m (N-S) by 24 m (E-W) (50 ft by 75 ft) in size and contains roughly two dozen artifacts. Artifacts noted at the site include one fragment of red quartzite that appears to be either fire-cracked rock or a heat-fractured mano. The remaining artifacts consist of mottled tan and gray chert secondary and tertiary flakes. The artifacts are located on a highly deflated and patinated surface with a thin pavement of smooth gravels. There does not appear to be any cultural depth potential at this site.

Site 42Dc1138

This site, located on a low, east-west trending drainage terrace at the base of a rocky ridge within the southern portion of section 28, consists of a moderate-sized lithic scatter. Overall, the site measures 16 m (N-S) by 49 m (E-W) (50 ft by 150 ft) in size and contains three bifaces, a few tested cobbles, and roughly 20 pieces of mottled tan chert and white quartzite

debitage. No particular concentrations of the artifacts were noted. The artifacts are located on a heavily weathered residual surface of sandy silts. There appears to be a slight potential for limited cultural depth at this site.

Site 42Dc1139

This site, located on a sandy, east-west trending ridge at the fork of two drainages in the southern portion of section 28, consists of a large but sparse lithic scatter. Overall, the site measures 57 m (N-S) by 131 m (E-W) (175 ft by 400 ft) in size and contains roughly two dozen artifacts. Among the artifacts found was a single tan, semi-translucent chert, side-notched projectile point with a convex base. The point may date to the White Rocks Phase (1,150 - 1,000 B.P.) of the Uinta Fremont culture. All other artifacts are primary and secondary flakes of mottled tan chert. Aside from the single projectile point, no other tools or diagnostic artifacts and no features were noted at the site. The artifacts are located on a surface of coarse-grained sand, indicating good potential for cultural depth.

Site 42Dc1140

This site, located on the edge of the bench in the southeastern portion of section 28, consists of a moderate-sized historic trash scatter. Overall, the site measures 66 m (N-S) by 33 m (E-W) (200 ft by 100 ft) in size and contains a variety of historic artifacts and one surficial feature. Among the artifacts found were approximately one dozen fragments of clear bottle glass, including the base from a probable Mason jar, two complete but crushed hole-in-top tin cans, several tin can fragments, two hinge-lid tobacco tins, and ten cartridge cases. Also noted were roughly one dozen wire nails, one small railroad-style spike, one half of a horseshoe, and several lengths of smooth wire. The one surficial feature noted at the site consists of two parallel sandstone block alignments measuring 12 ft long and spaced 15 ft apart. The former function of this alignment is unknown, though it could represent a tent platform. The temporally diagnostic artifacts at the site, including the Mason jar, tin cans, and cartridge cases, suggest an occupation date between 1910 and 1945 (Rosenberg and Kvietok n.d.; Barnes 1989). The artifacts are located on a deflated surface of hard-packed silty sand. There does not appear to be any depth potential at this site.

Isolated Finds (IF)

IF-1

This isolate consists of a large tan and white mottled chert bifacially-worked cobble with cortex present on both the dorsal and ventral surfaces. The artifact, which measures 9.4 cm long by 5.5 cm wide by 2.8 cm thick, was found a northwest facing slope above a large drainage in the northern portion of section 29.

IF-2

This isolate consists of three mottled tan chert flakes (one primary, one secondary, and one tertiary) and one bifacially-modified cobble found on a low ridge overlooking a large drainage in the northern portion of section 29. The bifacially-modified cobble measures 12 cm long by 5.5 cm wide by 2.8 cm thick and is only worked along the long margin and the distal tip. The proximal end is not modified. Cortex covers approximately 50% of both the dorsal and ventral surfaces.

IF-3

This isolate consists of one bifacially-modified cobble and one large patinated tabular chert cobble with edge modification found on the flat plain of the bench area in section 29. The bifacially-modified artifact, manufactured from a mottled tan chert cobble, measures 9 cm long by 5.5 cm wide by 2.4 cm thick. The large edge-modified artifact is ovate in shape, measuring 11.6 cm long by 12.4 cm wide by 1.8 cm thick. Cortex is present on roughly 80% of both the dorsal and ventral surfaces.

IF-4

This isolate consists of a large horseshoe, probably from a draft horse, found on the flat plain of the bench area in Section 29. The shoe measures 5 $\frac{3}{4}$ inches long and has a heel gap of 3 $\frac{1}{2}$ inches wide. The calkins of the shoe measure $\frac{3}{4}$ of an inch wide. The shoe is heavily weathered, but appears as if it had been slightly modified before use.

IF-5

This isolate consists of a mottled tan and brown chert biface fragment with roughly 30% cortex remaining on both the dorsal and ventral surfaces. The artifact, which measures 4.5 cm long by 3.6 cm wide by 1.2 cm thick, was found on a low finger ridge to the southeast of a large knoll in the southern portion of Section 29.

IF-6

This isolate consists of two bifacially modified chert cobbles, one modified chert flake, and one unmodified chert primary flake found near the base of the bench slope in the central portion of Section 29. Biface-1 (B-1) is a modified mottled tan and brown cobble fragment with cortex present on both sides. This artifact measures 3.8 cm long by 5.5 cm wide by 0.9 cm thick. B-2 is a bifacially-modified mottled tan and brown chert flake measuring 3.2 cm long by 4.4 cm wide by 1.2 cm thick. B-3 is bifacially-modified mottled tan and brown chert cobble fragment, measuring 2.2 cm long by 3.0 cm wide by 1.3 cm thick. Flake-1 (F-1) is an unmodified gray and tan chert primary flake with roughly 60% cortex present on the dorsal surface.

IF-7

This isolate consists of one heavily patinated bifacially-modified cobble of mottled tan and brown chert found on the toe of the bench slope in the southern portion of Section 28. The artifact measures 3.5 cm long by 4.5 cm wide by 1.2 cm thick and became patinated after being worked.

IF-8

This isolate consists of one heavily patinated primary flake of mottled tan and brown chert and one mottled orange, brown, and tan chert secondary flake with slight edge modification. The artifacts were found near the on a small ridge on the bench slope in the southern portion of Section 28. The primary flake measures 6.0 cm long, by 4.5 cm wide by 1.2 cm thick and became patinated after flaking. The secondary flake measures 6.0 cm long by 4. cm wide by 1.0 cm thick.

IF-9

This isolate consists of two bifacially-modified chert cobbles and one tested chert cobble that were found at the base of the bench slope in the southeastern portion of Section 28. Biface-1 (B-1) is a heavily patinated tabular chert cobble biface measuring 9.5 cm long by 5.9 cm wide by 1.0 cm thick. Patination of the artifact appears to have taken place after flaking. B-2 is a bifacially-worked mottled tan and brown chert cobble measuring 7.0 cm long by 4.4 cm wide by 2.2 cm thick. The third artifact is a tested cobble of heavily patinated mottled tan and brown chert measuring 7.3 cm long by 5.0 cm wide by 1.2 cm thick.

IF-10

This artifact consists of one large secondary flake of mottled tan, gray, and brown chert that was found on a east-west trending finger ridge in the southern portion of Section 28. The artifact measures 4.5 cm long by 3.3 cm wide by 1.0 cm thick. Approximately 10% of the original cortex remains on the dorsal surface, which also exhibits four flake detachment scars.

IF-11

This isolate consists of two banded tan and gray chert primary flakes that were found on a flat plain in the southeastern portion of Section 28. Flake-1 (F-1) has roughly 90% cortex present on the dorsal surface, while F-2 has 100% cortex on its dorsal surface.

IF-12

This isolate consists of a tan-orange tabular sandstone mano that was found on a low finger ridge above a shallow drainage in the south-central portion of Section 28. One side of the artifact has a smoothed or ground surface and the other is encrusted with calcium carbonate that has leached from the ground surface. The mano measures 11.3 cm long by 7.9 cm wide by 1.8 cm thick.

IF-13

This isolate consists of two bifacially-worked chert cobbles found near the base of the bench slope in the south-central portion of Section 28. Biface-1 (B-1) is a tan chert cobble with edge flaking. It measures 9.5 cm long by 5.0 cm wide by 1.7cm thick. B-2 is biface tip of mottled tan and brown chert. This artifact measures 5.3 cm long by 6.8 cm wide by 1.5 cm thick.

IF-14

This isolate consists of three mottled tan and gray chert flakes (two primary and one secondary) and one white and tan chalcedony primary flake found on a low ridge in the southeastern portion of Section 28. The average size of the four flakes is 3.5 cm long by 3.0 cm wide by 0.5 cm thick. None of the artifacts had been modified after being detached.

IF-15

This isolate consists of one bifacially-worked cobble of patinated mottled brown chert and was found on a ridgeline near an access road in the southern portion of Section 28. The artifact is primarily edge-modified, with 15% cortex remaining on the dorsal surface. It measures 6.5 cm long by 6 cm wide by 3.2 cm thick.

IF-16

This isolate consists of one probable red quartzite mano fragment and one mottled buff and brown chert secondary flake and were found on a low ridge in the southwestern portion of Section 28. The mano fragment, which may have been heat fractured, measures approximately 7.0 cm long by 4.0 cm wide by 5.0 cm thick. The secondary flake appears to have been worked after being detached from the core as it has five flake scars on its dorsal and three on its ventral surface.

IF-17

This isolate consists of a single bifacially-worked cobble of orange-tan chert and was found on a southeast facing slope above a large drainage in the north-central portion of Section 28. The dorsal surface of the artifact has roughly 5% cortex remaining and the ventral surface retains roughly 20% of its original cortex. The isolate measures 7.1 cm long by 4.7 cm wide by 1.3 cm thick.

IF-18

This isolate consists of two large conjoining white quartzite cobble fragments and one primary flake of cream-colored chert. The artifacts were found on a north-facing slope above a large drainage in the north-central portion of Section 28. The two conjoining cobble fragments have an average size of 7.0 cm long by 4.5 cm wide by 3 cm thick.

IF-19

This isolate consists of one large bifacially-modified cobble of mottled tan and gray chert and one mottled tan and brown chert secondary flake. The artifacts were found near a deep drainage in the north-central portion of Section 28. The bifacial cobble retains 30% of its original cortex on its dorsal surface and 10% on its ventral surface. The modified cobble measures 10.5 cm long by 6.5 cm wide by 2.8 cm thick. The secondary flake shows no working or modification and measures 6.9 cm long by 4.4 cm wide by 1.4 cm thick.

IF-20

This isolate consists of the left half of a broken horseshoe that was found on the flat plain of the bench in the central portion of Section 28. The shoe, which is worn through at the tip of the arc, measures 5 ½ inches in length. The single calkin present measures 7/16 of an inch wide.

IF-21

This isolate consists of three primary flakes of mottled tan and gray-brown chert and one spent cobble core of the same material. The artifacts were found near a small knoll in the bench area of Section 28. The average measurements of the three primary flakes are 5.0 cm long by 3.5 cm wide by 1.5 cm thick. The spent cobble core measures 5.0 cm long by 5.7 cm wide by 3.2 cm thick.

IF-22

This isolate consists of roughly 20 fragments of a small, non-vitreous whiteware saucer located near the edge of the mesa in the southeastern portion of Section 28. The saucer fragments have a scalloped rim and a raised scalloped pattern. Crazeing is also visible on the fragments.

IF-23

This isolate consists of a bifacially-worked cobble of mottled tan and gray chert and was found on near the eastern edge of the bench in Section 28. The artifact retains 25% of its original cortex on one surface and 40% on the other. Some use ware is apparent along the margins of the artifact, which measures 7.5 cm long by 5.1 cm wide by 1.7 cm thick.

IF-24

This isolate consists of two slightly modified cobbles and one primary flake, all of patinated brown chert. The artifacts were found on the northeastern slope of a small knoll near the edge of the bench in Section 28. Cobble-1 (C-1) measures 9.2 cm long by 8.5 cm wide by 2.4 cm thick and is most heavily worked on one end. C-2 measures 7.2 cm long by 4.3 cm wide by 3 cm thick and has been worked along the left margin only. The artifact appears to have either broken in half during manufacture or is unfinished as the right margin is unmodified. The primary flake retains 100% of its original cortex on its dorsal surface and has a clearly identifiable platform and bulb of percussion.

IF-25

This isolate consists of one unifacially-worked cobble of mottled brown, tan, and buff chert and was found near the edge of the bench in Section 28. The artifact has approximately six flake scars and measures 9.7 cm long by 6.4 cm wide by 2.2 cm thick.

IF-26

This isolate consists of a single bifacially-worked cobble of banded gray, tan, and buff chert and was found on a low finger ridge in the western bench portion of Section 28. The artifact has been bifacially edge-modified and measures 9.5 cm long by 7.5 cm wide by 3 cm thick. Given the large size of the flake detachment scars along the margin of the artifact, it appears the tool was discarded prior to completion and use.

RECOMMENDATIONS

Seven cultural resource sites (42Dc1134 through 42Dc1140) and 26 isolated finds (IF-1 through IF-26) were documented during the inventory of the current project area. The 26 isolated finds are not directly related to any known sites and are not, in-and-of-themselves, eligible for consideration under the NRHP. However, as part of this inventory, the seven cultural resource sites found were evaluated for eligibility to the NRHP based on criteria present in federal regulations set forth in *36CFR 60.4*:

The quality of significance in American history, architecture, archeology, and culture is present in districts, sites, buildings, structures, and objects 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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/20/1999

API NO. ASSIGNED: 43-013-32134

WELL NAME: GREATER BOUNDARY 11-28-8-17
 OPERATOR: INLAND PRODUCTION (N5160)
 CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

NESW 28 080S 170E
 SURFACE: 1695 FSL 1882 FWL
 BOTTOM: 1695 FSL 1882 FWL
 DUCHESNE
 MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - *Federal*
 LEASE NUMBER: U-76241
 SURFACE OWNER: 1 - *Federal*

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
- Potash (Y/N)
- Oil Shale (Y/N) *190 - 5 (B)
- Water Permit **Johnson Wtr. District*
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

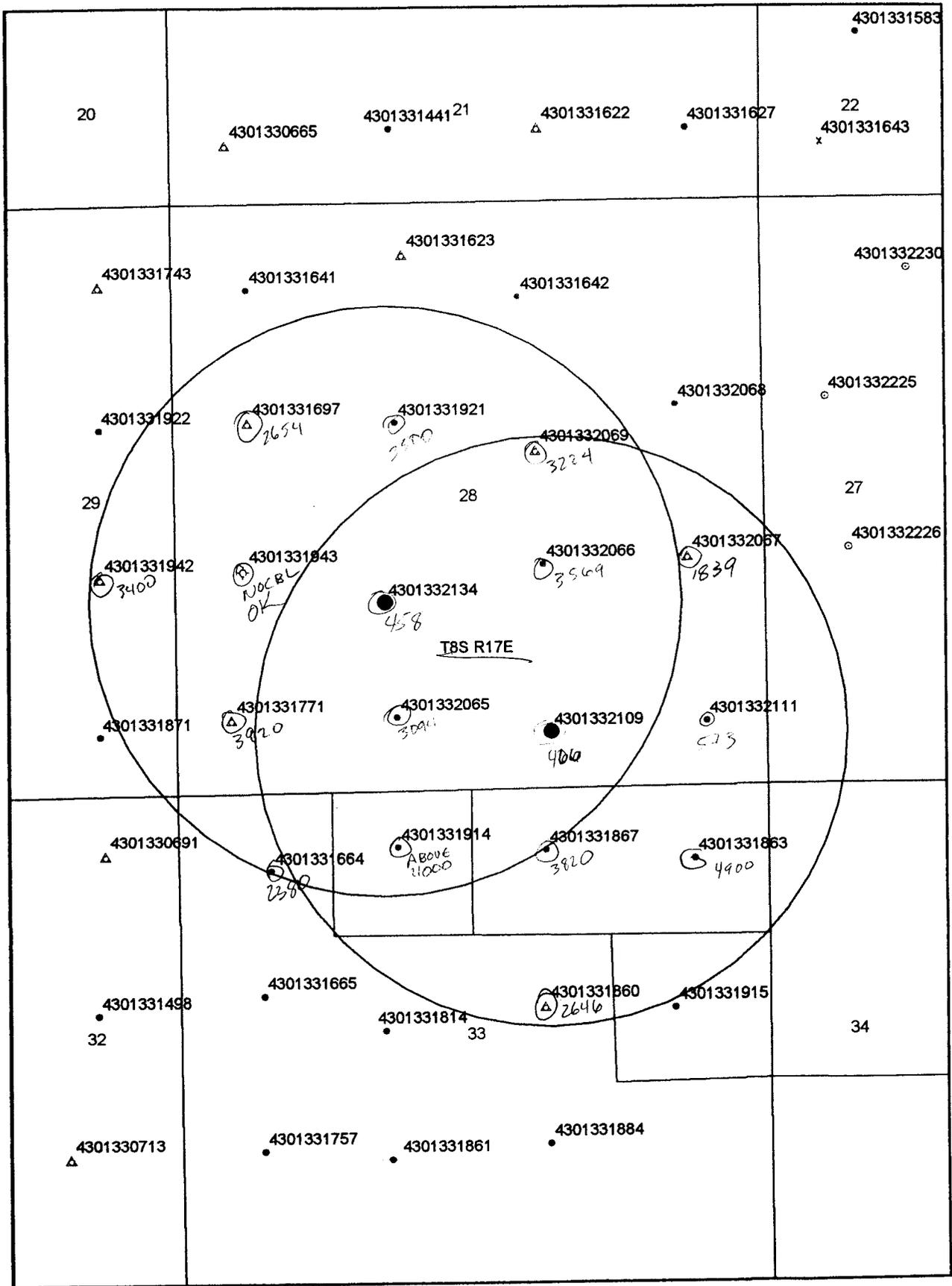
LOCATION AND SITING:

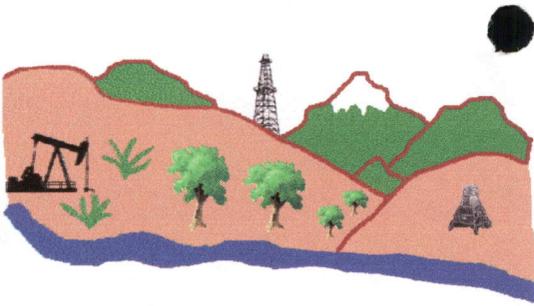
- R649-2-3. Unit *Greater Boundary (62)*
- R649-3-2. General
- Siting: _____
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: _____
- Eff Date: _____
- Siting: _____
- R649-3-11. Directional Drill

COMMENTS: *Need add'l info. "Ex. Loc." (Rec'd 1-14-2000)*
** Monument Butte Field "Standard Operating Practices", separate file.*

STIPULATIONS: ① FEDERAL APPROVAL

MIC-271





Utah Oil Gas and Mining

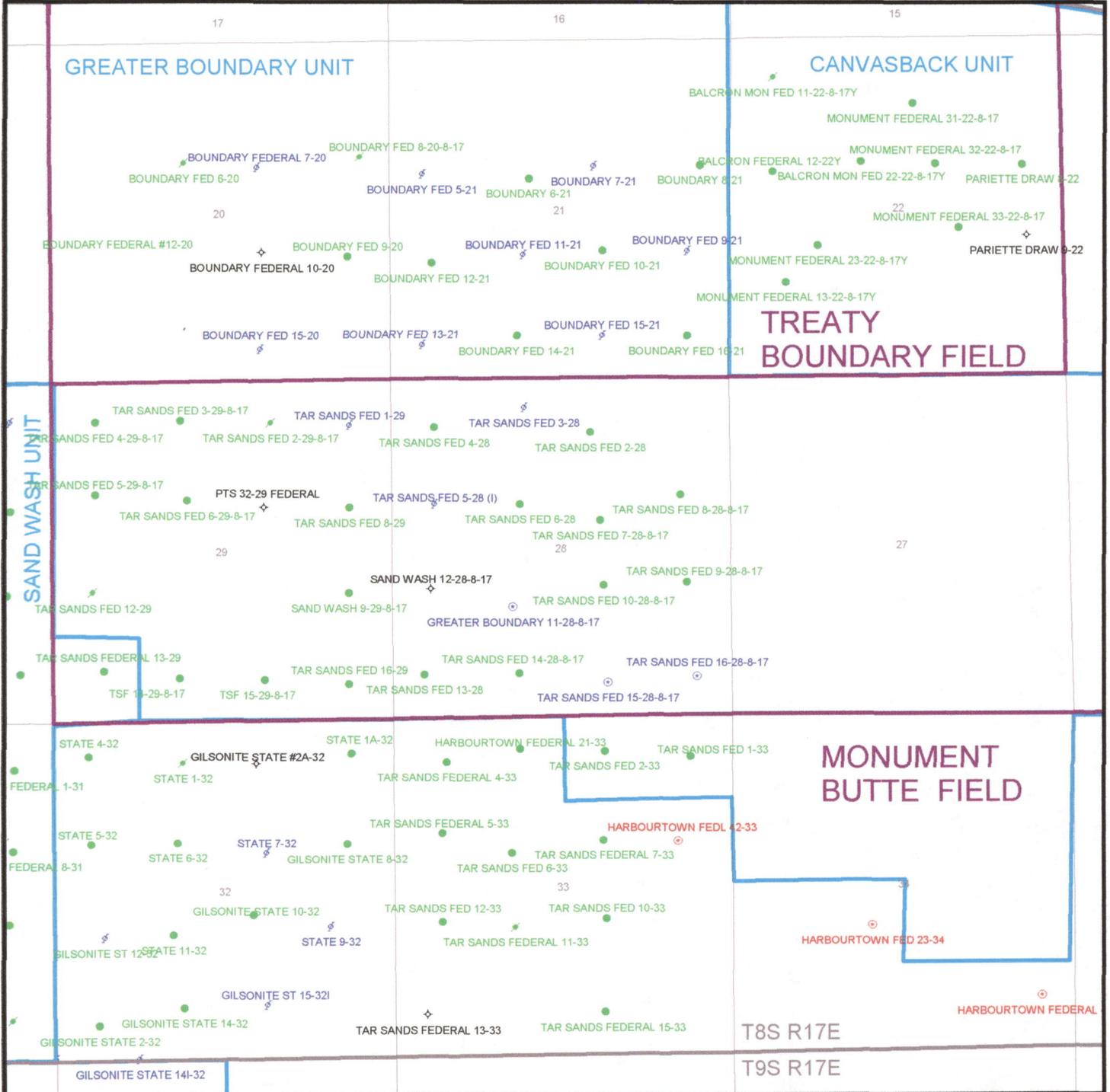
Serving the Industry, Protecting the Environment

OPERATOR: INLAND PRODUCTION CO. (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 28, TWP 8 S, RNG 17 E

COUNTY: DUCHESNE UNIT: GREATER BOUNDARY



PREPARED
DATE: 23-DEC-1999



January 11, 2000

RECEIVED

JAN 14 2000

DIVISION OF OIL, GAS & MINING

Ms. Lisha Cordova
Utah Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

RE: Greater Boundary Unit "Tar Sands" 11-28-8-17 Exception Location

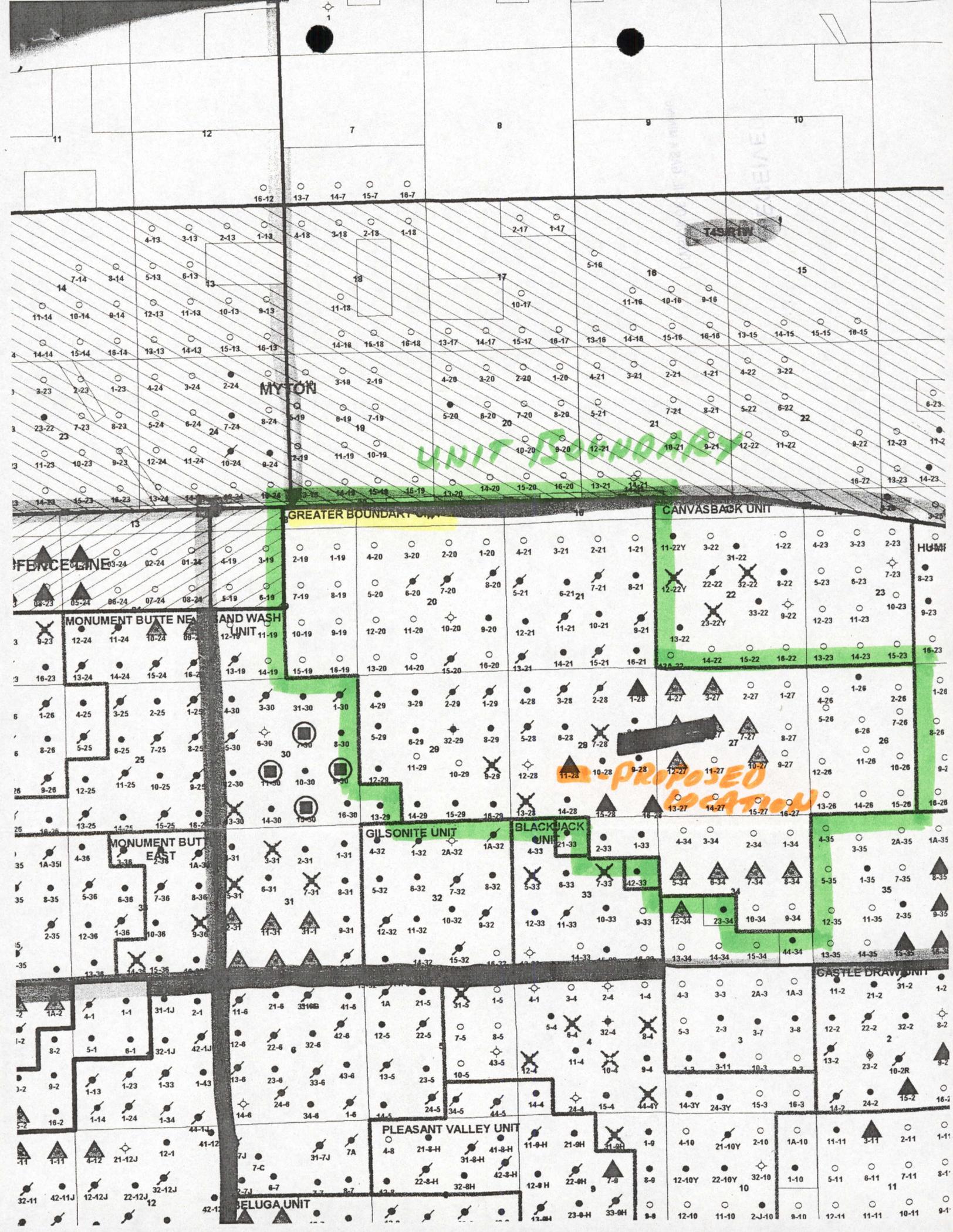
Dear Lisha:

This letter is to confirm that the above-referenced proposed well location is in the interior of the Greater Boundary Unit, and that there are no non-Unit interest owners within 460 feet of the location (please see attached Unit Map). If you need additional information, please feel free to give me a call.

Respectfully,

Jon D. Holst
Counsel

Enc.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

January 3, 2000

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2000 Plan of Development Greater Boundary
Unit Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 2000 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
43-013-32134	GREATER BOUNDARY 11-28-8-17	1695-FSL 1882-FWL 28 08S 17E

This office has no objection to permitting the well at this time.

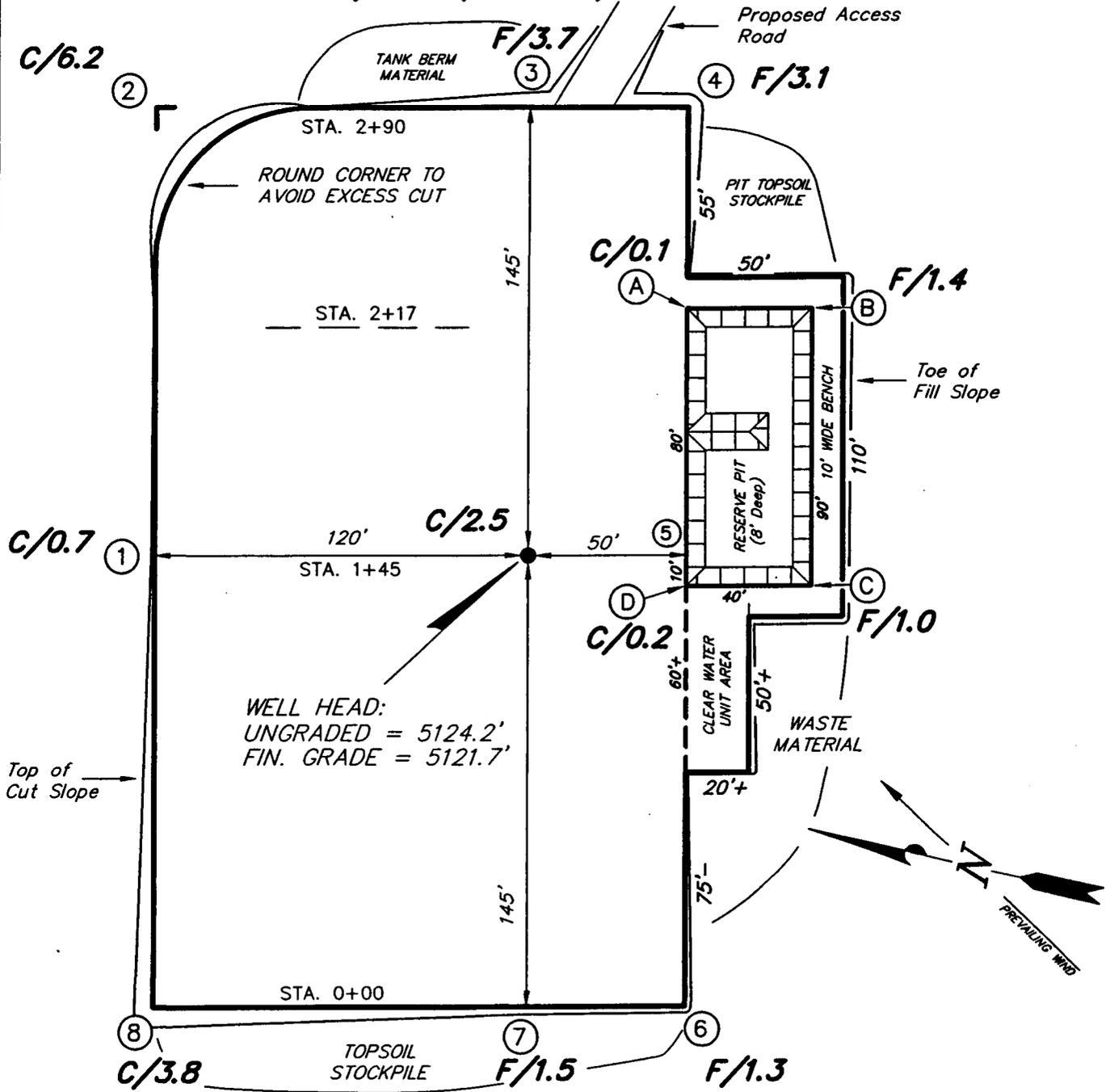
/s/ Michael L. Coulthard

bcc: File - Greater Boundary
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

Mcoulthard:mc:1-3-0

INLAND PRODUCTION COMPANY

TAR SANDS FED. #11-28-8-17
 SEC. 28, T8S, R17E, S.L.B.&M.



REFERENCE POINTS

- 170' NORTHERLY = 5124.3'
- 220' NORTHERLY = 5131.9'
- 195' WESTERLY = 5120.1'
- 245' WESTERLY = 5120.4'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	9-6-99
SCALE:	1" = 50'
REVISIONS:	


Tri State
Land Surveying, Inc.
 (801) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078

(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 that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

(D) that have yielded, or may be likely to yield, information important in prehistory or history.

Based upon the above criteria, Sites 42Dc1134, 42Dc1135, 42Dc1136, 42Dc1137, 42Dc1138, and 42Dc1140 are recommended **NOT** eligible to the NRHP. None of these sites are associated with significant events or persons and do not represent a distinctive style, type, or method of construction. Therefore, they are recommended **NOT** eligible under criteria A, B, and C above. These five sites have limited depth potential and they lack the essential integrity of design, workmanship, materials, setting, feeling, and association necessary to provide additional information important to the prehistory or history of the area. Therefore, they are recommended **NOT** eligible under criterion D.

Site 42Dc1138 is recommended **ELIGIBLE** to the NRHP in consideration of the above criteria. Although this site is not associated with significant events or persons and does not represent a distinctive style, type, or method of construction, it does possess the potential to yield information important to understanding the prehistory of the area. The site has good cultural depth potential and retains integrity of location, design, workmanship, and materials. Therefore, it is recommended **ELIGIBLE** to the NRHP under criterion D. Should construction be proposed for this area, a program of archaeological testing and monitoring should take place during development.

Cultural resource clearance is recommended for all areas of Sections 28 and 29 except for the area encompassed by Site 42Dc1139. This site is recommended **ELIGIBLE** to the NRHP and should be further investigated prior to or during any construction within its boundaries.

This investigation was conducted using techniques that are considered adequate for evaluating cultural resources that are available for surface inspection and that could be adversely affected by development projects. However, should such resources be discovered during construction, a report should be made immediately to the BLM District Archaeologist, Vernal District Office, Vernal, Utah.

REFERENCES CITED

Barnes, Frank C.

1989 *Cartridges of the World*. Sixth Edition. DBI Books, Inc., Northbrook, Illinois.

Rosenberg, Robert G. and D. Peter Kvietok

n.d. *A Guide to Historic Artifacts*. Published by the authors for Archaeological Services, Laramie, Wyoming.



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

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

January 18, 2000

Inland Production Company
410 17th Street Suite 700
Denver, CO. 80202

Re: Greater Boundary 11-28-8-17 Well, 1695' FSL, 1882' FWL, NE SW, Sec. 28, 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 43-013-32134.

Sincerely,

for John R. Baza
Associate Director

ecc

Enclosures

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

Operator: Inland Production Co
Well Name & Number: Greater Boundary 11-28-8-17
API Number: 43-013-32134
Lease: Federal **Surface Owner:** Federal
Location: NE SW **Sec.** 28 **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 of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

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

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

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Boundary Fed. 11-28-8-17

API Number: 43-013-32134

Lease Number: U-76241

Location: NESW Sec. 28 T. 08S R. 17E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

SURFACE USE PROGRAM
Conditions of Approval (COA)

Location Reclamation

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

scarlet globemallow	Sphaeralcea coccinea	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
gardner saltbush	Atriplex gardneri v. cuneata	3 lbs/acre
indian rice grass	Oryzopsis hymenoides	3 lbs/acre

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

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

At the time of final abandonment the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately. If the previously reclaimed surface of the reserve pit needs additional contouring, the topsoil over the pit will be scraped off and then used as additional topsoil for final reclamation.

The operator shall place a net wire fence on the north side of the location to reduce the possibility of workers traveling off location and into sensitive plant habitat.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: GREATER BOUNDARY 11-28-8-17

Api No. 43-013-32134 LEASE TYPE: FEDERAL

Section 28 Township 08S Range 17E County DUCHESNE

Drilling Contractor UNION DRILLING RIG # 14

SPUDDED:

Date 08/27/2000

Time 12:30 PM

How DRY

Drilling will commence _____

Reported by BRAD MECHAM

Telephone # 1-435-823-7468

Date 08/28/2000 Signed: CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-76241

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Greater Boundry

8. Well Name and No.
Greater Boundry 11-28-8-17

9. API Well No.
43-013-32134

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
**1695' FNL & 1882' FWL NE/SW
Sec.28, T8S, R17E**

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

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

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

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

Test BOP's, Kelly, & choke manifold to 2,000 psi. Test 85/8" surface to 1,500 psi. Drill 77/8" hole with air mist to a depth of 3815'. TOH with drill string and BHA. PU & MU bit #4, MM, & BHA. Drill a 77/8" hole with water based mud to a depth of 6081'. TOH and lay down drill string & BHA. Open hole log. PU & MU 41/2" guide shoe 1 jt, 41/2" float collar. 134 jt's 41/2" J-55 11.6# CSGN. Set @ 6059.85/KB. Cement with the following; *Cement with *350 sks Premlite II w/10% GEL. & 3% KCL mixed to 11.ppg >3.43 YLD. *580sks 50/50 POZ w/3% GEL. & 3% KCL mixed to 14.4 ppg. >1.24YLD. Good returns. Bump plug to 1973 psi. Nipple down BOP's. Drop slips with 58,000#. Release rig @ 10:00 pm on 9/3/00. WOC

RECEIVED
SEP 11 2000
DIVISION OF
OIL, GAS AND MINING

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

Signed *JAW Isener* Title Drilling Foreman Date 09/05/2000

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

4 1/2" CASING SET AT 6,059.85

LAST CASING 8 5/8' SET AT 303'
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 6059' LOGGER 6081'
 HOLE SIZE 7 7/8"

TPBD 6021'
 OPERATOR INLAND PRODUCTION COMPANY
 WELL Greater Boundry 11-28-8-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # UNION RIG 14

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					14
134	4.5"	Maverick LT&C CSG 37' @ 4480 +/-	11.6#	J-55	8rd	A	6010.39
		Float Collar (auto fill)			8rd	A	0.95
1	4.5"	Maverick LT&C CSG	11.6#	J-55	8rd	A	37.61
		SHOE - GUIDE			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6063.85
TOTAL LENGTH OF STRING		6063.85	135	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.85		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		171.24	4	CASING SET DEPTH			6059.85
TOTAL		6219.24	139	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6219.24	139				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB			YES
BEGIN RUN CSG.		7:30am		Bbls CMT CIRC TO SURFACE			26 bbls dye
CSG. IN HOLE		10:45am		RECIPROCATED PIPE FOR 10 mins THRU 8' FT STROKE			
BEGIN CIRC		10:55am	11:55am	DID BACK PRES. VALVE HOLD ?			N/A
BEGIN PUMP CMT		11:58am	5:06pm	BUMPED PLUG TO			1973 PSI
BEGIN DSPL. CMT			6:08pm				
PLUG DOWN			6:23pm				
CEMENT USED		CEMENT COMPANY- B. J.		RECEIVED SEP 11 2000			
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD		DIVISION OF OIL, GAS AND MINING			
2	580	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
1 on middle of first JT, 1 on collar of the second & third JT. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Pat Wisener DATE 09/04/2000



September 5, 2000

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

Dear Carol:

Please find enclosed form 3160-5: for the ^{Greater} ~~Far Sands~~ 11-28-8-17. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER
Drilling Foreman

Enclosures

pw

RECEIVED

SEP 11 2000

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-76241

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Greater Boundary Unit

8. Well Name and No.
Greater Boundary Federal 11-28-8-17

9. API Well No.
43-013-32134

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne County Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well
 Gas Well
 Other

2. Name of Operator
Inland Production Company

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1695' FNL & 1882' FWL NE/SW Sec. 28, T8S, R17E

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

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

Subject well was completed in Green River formation on 9/26/00. CP interval was perforated @ 5790'-5796', 5798'-5802', 5827'-5842' & 5892'-5896' W/ 4 JSPF. Sand fraced W/ 99,000# 20/40 sand in 584 bbls Viking fluid. A sds interval was perforated @ 5479'-5493' & 5495'-5498' W/ 4 JSPF. Sand fraced W/ 66,000# 20/40 sand in 391 bbls Viking fluid. B sds interval was perforated @ 5294'-5298', 5313'-5322', 5324'-5350' & 5357'-5364' W/ 4 JSPF. Sand fraced W/ 138,000# 20/40 sand in 742 bbls Viking fluid. C sds interval was perforated @ 5114'-5118' W/ 4 JSPF. Sand fraced W/ 30,300# 20/40 sand in 217 bbls Viking fluid.

RECEIVED

OCT 02 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Signed Gary Dietz Title Completion Foreman Date 2-Oct-00

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

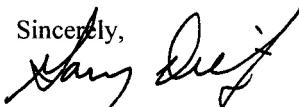


October 2, 2000

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

Dear Carol;

Please find enclosed Form 3160-5, for the Greater Boundary Federal 11-28-8-17. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

OCT 10 2000

DIVISION OF
OIL, GAS AND MINING

P. 02
 FAX NO. 435 846 3031
 INLAND PRODUCTION CO
 SEP-25-00 MON 03:13 PM

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

OPERATOR: INLAND PRODUCTION COMPANY
 ADDRESS: RT. 3 BOX 3830
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B X	99999	12391	43-013-32134	Tar Sands Federal #11-28	NE/SW	28	8S	17E	Duchesne	August 27, 2000	8/27/2000
WELL 1 COMMENTS 9-26-00											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12890	43-013-31670	South Wells Draw #15-34	SW/SE	34	8S	16E	Duchesne	September 5, 2000	09/05/2000
WELL 2 COMMENTS 9-26-00											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B *	99999	11492	43-013-32158	Jonah #2-11	NW/NE	11	9S	16E	Duchesne	September 13, 2000	09/13/2000
WELL 3 COMMENTS 9-26-00											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B X	99999	11492	43-013-32159	Jonah #3-11	NE/NW	11	9S	16E	Duchesne	September 14, 2000	09/14/2000
WELL 4 COMMENTS 9-26-00											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B X	99999	11492	43-013-32157	Jonah #1-11	NE/NE	11	9S	16E	Duchesne	September 18, 2000	09/18/2000
WELL 5 COMMENTS 9-26-00											

[Signature]
 Prediction Clerk
 Title
 September 26, 2000
 Date

ACTION CODES (See instructions on back of form)
 A - Establish new entity for new well or change in existing
 B - Incorporate into existing entity (change of ownership)
 C - Revert from new entity to existing entity
 D - Revert from existing entity to new entity
 E - Other (Specify in comments section)
 * - Use COMMENTS section to describe any other action taken

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - -" for such proposals

5. Lease Designation and Serial No.
U-76241

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Greater Boundary Unit

8. Well Name and No.
Greater Boundary Federal 11-28-8-17

9. API Well No.
43-013-32134

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne County Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well
 Gas Well
 Other

2. Name of Operator
Inland Production Company

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1695' FNL & 1882' FWL NE/SW Sec. 28, 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 **Completion report**
- 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.)*

Status report for Time period 10/2/00 through 10/8/00.
Subject well was completed in Green River formation on 9/26/00. Four Green River zones were perforated and hydraulically fractured. Bridge plugs and sand plugs were removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well. Began producing on pump on 10/4/00.

RECEIVED

OCT 11 2000

DIVISION OF
OIL, GAS AND MINING

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

Signed Gary Dietz Title **Completion Foreman** Date **9-Oct-00**

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

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

At Surface

1695' FSL & 1882' FWL (NE SW) SECTION 28 - 8S - 17E

At top prod. Interval reported below

At total depth

14. PERMIT NO. 43-013-32134 DATE ISSUED 01/20/00

12. COUNTY OR PARISH DUCHESNE 13. STATE UT

15. DATE SPUDDED 08/27/00 16. DATE T.D. REACHED 09/02/00 17. DATE COMPL. (Ready to prod.) 10/04/00 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5124' GR 5134' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6081' 21. PLUG BACK T.D., MD & TVD 6016 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	303'	12-1/4	141 sx Class G w/ 2% CaCL2	
4-1/2"	11.6#	6060'	7-7/8	350 sx Premlite II & 580 sx 50/50 poz	

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
(C sds) 5114'-5118'	4	16
(B2 sds) 5294-5364	4	184
(A1 sds) 5479-5498	4	68
(CP 1 sds) 5827-5842	4	60

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5114'-5118'	FRAC W/ 30,300# 20/40 SD in 217 bbls FLUID
5294-5364	FRAC W/ 138,000# 20/40 SD in 742 bbls FLUID
5479'-5498'	FRAC W/ 66,000 # 20/40 SD in 391 bbls FLUID
5827'-5842'	FRAC W/ 99,000# 20/40 SD in 584 bbls FLUID

33.* PRODUCTION

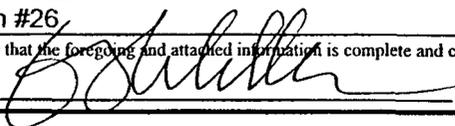
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
10/04/00	2-1/2" x 1-1/2" x 16' RHAC Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day average			→	53.9	74.3	19.2	1378

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  TITLE Senior Operations Engineer DATE 10/24/00

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			GREATER BOUNDARY FEDERAL 11-28-8-17	Garden Gulch Mkr	3946'	
				Garden Gulch 2	4259'	
				Point 3 Mkr	4536'	
				X Mkr	4763'	
				Y-Mkr	4797'	
				Douglas Creek Mkr	4929'	
				BiCarbonate Mkr	5177'	
				B Limestone Mkr	5364'	
				Castle Peak	5772'	
				Basal Carbonate		
			Total Depth (LOGGERS)	6081'		



October 25, 2000

State of Utah, Division of Oil, Gas and Mining
Attn: Mr. Mike Hebertson
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Mr. Mike Hebertson

Re: Greater Boundry Federal 11-28-8-17
NE SW Section 28-8S-17E
Duchesne County, Utah

Dear Mr. Forsman:

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4) and a set of logs for the above referenced well. Also enclosed is a copy of the cement bond log. *Logs filed in log file.*

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Cyndee Miller
Operations Secretary

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver



February 28, 2001

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

Re: Permit Application for Water Injection Well
Tar Sands Federal #11-28-8-17 *Greater Boundary Unit*
Monument Butte Field, Boundary Unit, Lease #U-76241
Section 28-Township 8S-Range 17E
Duchesne County, Utah
43-013-32134

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Tar Sands Federal #11-28-8-17 from a producing oil well to a water injection well in the Boundary Unit. Enclosed is a copy of the application filed with the BLM. Also enclosed is a sundry notice of intent.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Joyce McGough or George Rooney at (303) 893-0102.

Sincerely,

Joyce McGough
Regulatory Specialist

UIC-271.1

Enclosure

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MAR 08 2001

**DIVISION OF
OIL, GAS AND MINING**



February 28, 2001

Mr. Emmett Schmitz
U.S. Environmental Protection Agency
Region VIII
999 18th Street, Suite 500
Denver, Colorado 80202-2405

RE: Permit Application for Water Injection Well
Tar Sands Federal #11-28-8-17
Monument Butte Field, Boundary Unit, Lease #U-76241
Section 28-Township 8S-Range 17E
Duchesne County, Utah

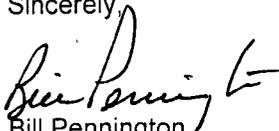
Dear Mr. Schmitz:

Inland Production Company herein requests a permit to convert the Tar Sands Federal #11-28-8-17 from a producing oil well to a water injection well.

Included with this application is a cement bond log for your convenience. As they are difficult to copy, however, I would very much appreciate its return.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

Sincerely,


Bill Pennington
Chief Financial Officer

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
TAR SANDS FEDERAL #11-28-8-17
MONUMENT BUTTE (GREEN RIVER) FIELD
LEASE #U-76241
BOUNDARY UNIT
FEBRUARY 28, 2001

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 deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No. U-76241
6. If Indian, Allottee or Tribe Name NA
7. If unit or CA, Agreement Designation
8. Well Name and No. Tar Sands Fed 11-28
9. API Well No. 43-013-32134
10. Field and Pool, or Exploratory Area Monument Butte
11. County or Parish, State Duchesne County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
 Inland Production Co.

3. Address and Telephone No.
 410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NE/SW 1695' FSL, 1882' FWL Sec. 28, T8S, R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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).

Please see attached injection application.

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

Signed Joyce I. McGough Title Regulatory Specialist Date 2/28/01
 Joyce I. McGough

(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.

***See Instruction on Reverse Side**

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

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

5. Lease Designation and Serial No.
U-76241

6. If Indian, Allottee or Tribe Name
NA

7. If unit or CA, Agreement Designation

8. Well Name and No.
Tar Sands Fed #11-28

9. API Well No.
43-013-32134

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NE/SW 1695' FSL, 1882' FWL Sec. 28, T8S, R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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)

Please see attached injection application.

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

Signed Joyce I. McGough Title Regulatory Specialist Date 2/28/01
Joyce I. McGough

(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 reports in its case or to any matter within its jurisdiction.

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DIVISION OF
OIL, GAS AND MINING

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
EPA FORM 4 – PERMIT APPLICATION	
WORK PROCEDURE FOR INJECTION CONVERSION (TAR SANDS FEDERAL #11-28-8-17)	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
ATTACHMENT A	AREA OF REVIEW METHODS
ATTACHMENT A-1	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-2	LISTING OF SURFACE OWNERS
ATTACHMENT A-3	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT A-4	WELL LOCATION PLAT
ATTACHMENT A-5	NAME(S) AND ADDRESS(ES) OF SURFACE OWNERS
ATTACHMENT B	MAP OF WELLS/AREA OF REVIEW
ATTACHMENT B-1	AREA OF REVIEW WITH PROPOSED & EXISTING WATER LINES
ATTACHMENT C	CORRECTIVE ACTION PLAN AND WELL DATA
ATTACHMENT C-1	WELLBORE DIAGRAM – TAR SANDS FEDERAL #11-28-8-17
ATTACHMENT C-2	WELLBORE DIAGRAM – TAR SANDS FEDERAL #5-28-8-17
ATTACHMENT C-3	WELLBORE DIAGRAM – TAR SANDS FEDERAL #6-28-8-17
ATTACHMENT C-4	WELLBORE DIAGRAM – TAR SANDS FEDERAL #7-28-8-17
ATTACHMENT C-5	WELLBORE DIAGRAM – TAR SANDS FEDERAL #9-28-8-17
ATTACHMENT C-6	WELLBORE DIAGRAM – TAR SANDS FEDERAL #10-28-8-17
ATTACHMENT C-7	WELLBORE DIAGRAM – TAR SANDS FEDERAL #12-28-8-17
ATTACHMENT C-8	WELLBORE DIAGRAM – TAR SANDS FEDERAL #13-28-8-17
ATTACHMENT C-9	WELLBORE DIAGRAM – TAR SANDS FEDERAL #14-28-8-17
ATTACHMENT C-10	WELLBORE DIAGRAM – TAR SANDS FEDERAL #15-28-8-17
ATTACHMENT C-11	WELLBORE DIAGRAM – TAR SANDS FEDERAL #9-29-8-17
ATTACHMENT C-12	WELLBORE DIAGRAM – TAR SANDS FEDERAL #4-33-8-17
ATTACHMENT C-13	WELLBORE DIAGRAM – HARBOURTOWN FEDERAL #21-33-8-17
ATTACHMENT E	NAME AND DEPTH OF USDWs
ATTACHMENT E-1	ANALYSIS OF FORMATION WATER FROM THE TSF #11-28-8-17
ATTACHMENT E-2	ANALYSIS OF THE COMPATIBILITY OF THE INJECTED AND FORMATION FLUIDS
ATTACHMENT G	GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES
ATTACHMENT G-1	FORMATION TOPS
ATTACHMENT G-2	PROPOSED MAXIMUM INJECTION PRESSURE (FRACTURE CALC.)
ATTACHMENT G-3	FRACTURE REPORTS DATED 09/28/00 & 09/29/00
ATTACHMENT G-4	DRILLING & COMPLETION REPORTS DATED 8/28/00 THROUGH 9/04/00, AND 9/26/00 THROUGH 10/04/00
ATTACHMENT H	OPERATING DATA
ATTACHMENT M	CONSTRUCTION DETAILS
ATTACHMENT M-1	WELLBORE SCHEMATIC OF TAR SANDS FEDERAL #11-28-8-17
ATTACHMENT M-2	SITE PLAN OF TAR SANDS FEDERAL #11-28-8-17
ATTACHMENT Q	PROPOSED PLUGGING AND ABANDONMENT PROCEDURE
ATTACHMENT Q-1	EPA FORM 7520-14 – PLUGGING AND ABANDONMENT PLAN
ATTACHMENT Q-2	WELLBORE SCHEMATIC OF PROPOSED PLUGGING PLAN
ATTACHMENT Q-3	WORK PROCEDURE FOR PLUGGING AND ABANDONMENT
ATTACHMENT R	NECESSARY RESOURCES

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down, move out.

Tar Sands Federal #11-28

Spud Date: 8/27/00
 Put on Production: 10/04/00
 GL: 5124' KB: 5134'

Initial Production: 54 BOPD,
 74 MCFPD, 19 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 306.91' (8 jts)
 DEPTH LANDED: 302.91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cmt with additives

PRODUCTION CASING

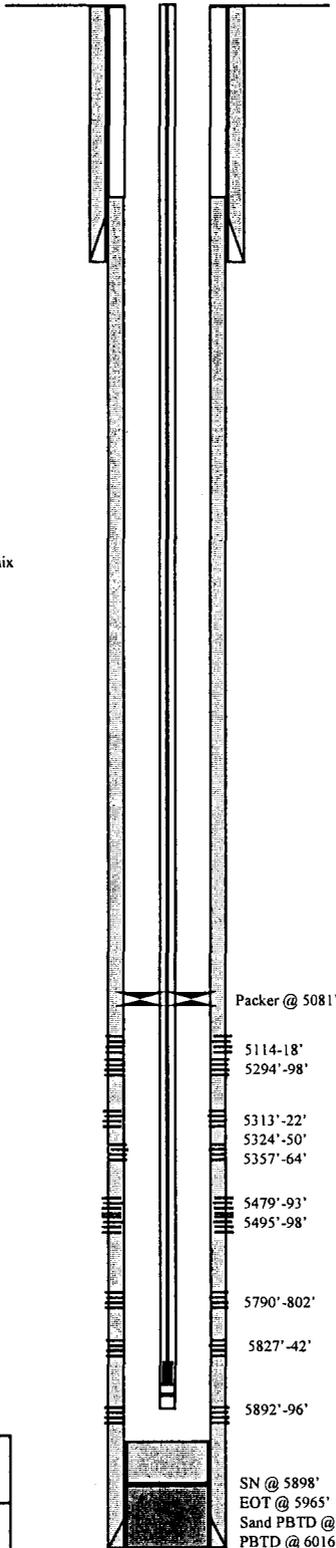
CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 135 jts (6063.85')
 DEPTH LANDED: 6059.85'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sx PremLite II; followed by 580 sx 50/50 Pozmix

458

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 183 jts
 TUBING ANCHOR: 5765.31'
 SEATING NIPPLE: 2-3/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 5964.68' w/10' KB
 SN LANDED AT: 5898.26' KB

Proposed Injection
 Wellbore Diagram



FRAC JOB

9/28/00 5790'-5896' **Frac CP-1 sand as follows:**
 99,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke down @ 3830 psi. Treated @ avg press of 1900 psi w/avg rate of 29 BPM. ISIP-1860 psi. Flowback on 12/64" choke for 4 hours.

9/28/00 5479'-5498' **Frac A-1 sand as follows:**
 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke down @ 3680 psi. Treated @ avg press of 2200 psi w/avg rate of 29 BPM. ISIP-2250 psi. Flowback on 12/64" choke for 2 hours and died. Rec 78 BTF.

9/29/00 5294'-5364' **Frac B-2 sand as follows:**
 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke down @ 2990 psi. Treated @ avg press of 2000 psi w/avg rate of 29.5 BPM. ISIP-2000 psi. Flowback on 12/64" choke @ 1 BPM. Flowed total of 135 bbls.

9/29/00 5114'-5118' **Frac C sand as follows:**
 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2800 psi w/avg rate of 29 BPM. ISIP 2500 psi. Flowed back on 12/64" choke for 1-1/2 hrs & died. Rec 59 BTF.

PERFORATION RECORD

Date	Interval	Tool	Holes
9/29/00	5114'-18'	4 JSPF	16 holes
9/29/00	5294'-98'	4 JSPF	16 holes
9/29/00	5313'-22'	4 JSPF	36 holes
9/29/00	5324'-50'	4 JSPF	104 holes
9/29/00	5357'-64'	4 JSPF	28 holes
9/28/00	5479'-93'	4 JSPF	56 holes
9/28/00	5495'-98'	4 JSPF	12 holes
9/27/00	5790'-96'	4 JSPF	24 holes
9/27/00	5798'-802'	4 JSPF	16 holes
9/27/00	5827'-42'	4 JSPF	60 holes
9/27/00	5892'-96'	4 JSPF	16 holes



Inland Resources Inc.

Tar Sands Federal #11-28

1695 FSL 1882 FWL

NESW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32134; Lease #U-76241

SN @ 5898'
 EOT @ 5965'
 Sand PBTD @ 6014'
 PBTD @ 6016'
 TD @ 6081'

ATTACHMENT A
AREA OF REVIEW METHODS

Give the methods and, if appropriate, the calculations used to determine the size of the area of review (fixed radius or equation). The area of review shall be a fixed radius of 1/4 mile from the well bore unless the use of an equation is approved in advance by the Director.

The area of review shall be a fixed radius of ½ mile from the Tar Sands Federal #11-28-8-17. Inland Production Company has chosen to use a fixed radius of ½ mile to satisfy the requirements of both the EPA and the State of Utah.

Attachment A-1 One-half Mile Radius Map

Attachment A-2 Listing of Surface Owners

Attachment A-3 Certification for Surface Owner Notification

Attachment A-4 Well Location Plat

Attachment A-5 Name(s) and Address(s) of Surface Owners

Attachment A-2
Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 17 East Section 26: S/2SW/4, SW/4SE/4 Section 27: All Section 28: All Section 33: N/2NE/4, SW/4NE/4, W/2NW/4, SE/4NW/4, S/2 Section 34: N/2, W/2SW/4, SE/4SW/4 N/2SE/4, SW/SE/4	U-76241 HBP	Inland Production Company	(Surface Rights) USA
2	Township 8 South, Range 17 East Section 29: Lot 1 Section 30: Lots 1-14, E/2NE/4, E/2SW/4 SW/4SE/4 Section 31: Lots 1-5, W/2E/2, SE/4NE/4, E/2W/2, NE/4SE/4	UTU-76956 HBP	Inland Production Company	(Surface Rights) USA
3	Township 8 South Range 17 East Section 32: All	ML-22060 HBP	Inland Production Company Key Production Company Inc Goldrus Drilling Co. King Oil & Gas of Texas LTD Jack Warren	(Surface Rights) State. of Utah

Attachment A-2

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	<u>Township 8 South, Range 17 East</u> Section 33: SW/4NE/4, W/2NW/4, SE/4NW/4, S/2 Section 34: W/2SW/4, SE/4SW/4 SW/SE/4	UTU-77234 HBP	Inland Production Company	(Surface Rights) USA
5	<u>Township 8 South Range 17 East</u> Section 30: NW/4NE/4 Section 33: SE/4NE/4, NE/4NW/4 Section 34: NE/4SW/4, SE/4SE/4	UTU-71368 HBP	Wildrose Resources, Inc.	(Surface Rights) USA

ATTACHMENT A-3

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

Re: Application for Approval of Class II Injection Well
Tar Sands Federal #11-28-8-17

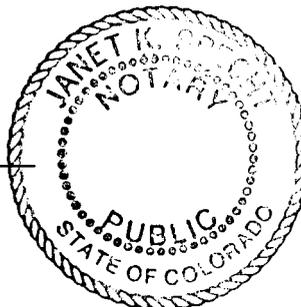
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Bill Pennington
Inland Production Company
Bill Pennington
Chief Financial Officer

Sworn to and subscribed before me this 5 day of March, 2000.

Notary Public in and for the State of Colorado: Janet K. Spick

My commission expires: 7/16/07



ATTACHMENT A-5

Names and Addresses of Surface Owners

1. USA

ATTACHMENT B

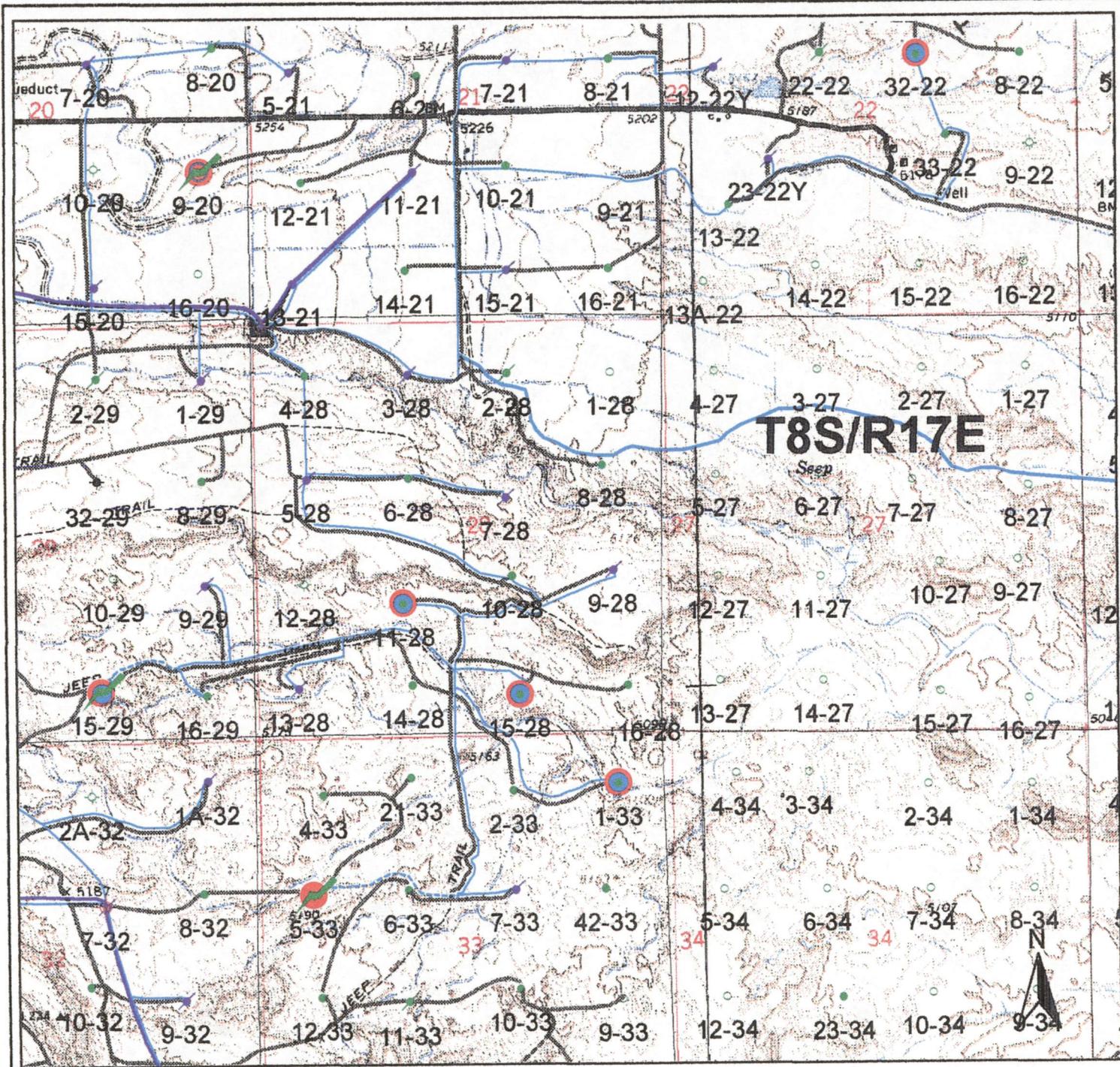
MAPS OF WELLS/AREA AND AREA OF REVIEW

Submit a topographic map, extending one mile beyond the property boundaries, showing the injection well(s) or project area for which a permit is sought and the applicable area of review.

There are no hazardous waste, treatment, storage or disposal facilities within a one-mile radius of the property boundaries.

Attachment B-1 Area of Review and Existing/Proposed Waterlines

Attachment B-1
TSF 11-28



Water Taps

- INJ
- WTR
- SWD
- OIL
- GAS
- DRY
- SHUTIN
- SUSPENDED
- ABND
- LOC

2001 Injection Conversions (52)

- Pending Waterline ROW
- Approved Waterline ROW
- Water Injection Permit Pending
- Approved Water Injection Permit

Water Line Types

- Water 6 Inch
- Water 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water 2 to 3 Inch
- Proposed Water
- Johnson Water Line

Other Features

- Injection Stations
- Pump Stations
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private

Inland
ENGINEERS

416 17th Street, Suite 780
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Phone: (303) 893-4102

Uinta Basin
UINTA BASIN, UTAH
DeChamie & Uintah Counties, Utah

February 23, 2001 D.C. Chyle

ATTACHMENT C

CORRECTIVE ACTION PLAN AND WELL DATA

Submit a tabulation of data reasonably available from public records or otherwise known to the applicant on all wells within the area of review, including those on the map required in Attachment B, which penetrate the proposed injection zone.

Step rate tests will be performed periodically to determine the fracture pressure. The injection pressure will be kept under the fracture pressure.

Attachment C-1	Wellbore Diagram – Tar Sands Federal #11-28-8-17
Attachment C-2	Wellbore Diagram – Tar Sands Federal #5-28-8-17
Attachment C-3	Wellbore Diagram – Tar Sands Federal #6-28-8-17
Attachment C-4	Wellbore Diagram – Tar Sands Federal #7-28-8-17
Attachment C-5	Wellbore Diagram – Tar Sands Federal #9-28-8-17
Attachment C-6	Wellbore Diagram – Tar Sands Federal #10-28-8-17
Attachment C-7	Wellbore Diagram – Tar Sands Federal #12-28-8-17
Attachment C-8	Wellbore Diagram – Tar Sands Federal #13-28-8-17
Attachment C-9	Wellbore Diagram – Tar Sands Federal #14-28-8-17
Attachment C-10	Wellbore Diagram – Tar Sands Federal #15-28-8-17
Attachment C-11	Wellbore Diagram – Tar Sands Federal #9-29-8-17
Attachment C-12	Wellbore Diagram – Tar Sands Federal #4-33-8-17
Attachment C-13	Wellbore Diagram – Harbourtown Federal #21-33-8-17

Tar Sands Federal #11-28

Spud Date: 8/27/00
 Put on Production: 10/04/00
 GL: 5124' KB: 5134'

Initial Production: 54 BOPD,
 74 MCFPD, 19 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 306.91' (8 jts)
 DEPTH LANDED: 302.91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cmt with additives

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 135 jts (6063.85')
 DEPTH LANDED: 6059.85'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sx PremLite II; followed by 580 sx 50/50 Pozmix

456

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 183 jts
 TUBING ANCHOR: 5765.31'
 SEATING NIPPLE: 2-3/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 5964.68' w/10' KB
 SN LANDED AT: 5898.26' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' polished
 SUCKER RODS: 4 - 1-1/2" weight bars, 10 - 3/4" guided rods, 131 - 3/4" plain, 89 - 3/4" scraped, 2 - 8' x 3/4", 1 - 6' x 3/4" and 1 - 3/4" x 2' pony rods.
 TOTAL ROD STRING LENGTH: ?
 PUMP SIZE: 2" x 1-1/2 x 16' RWAC pump
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: GR, SP, Spectral Density-Dual Spaced Neuron, CBL-GR

FRAC JOB

9/28/00 5790'-5896' **Frac CP-1 sand as follows:**
 99,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke down @ 3830 psi. Treated @ avg press of 1900 psi w/avg rate of 29 BPM. ISIP-1860 psi. Flowback on 12/64" choke for 4 hours.

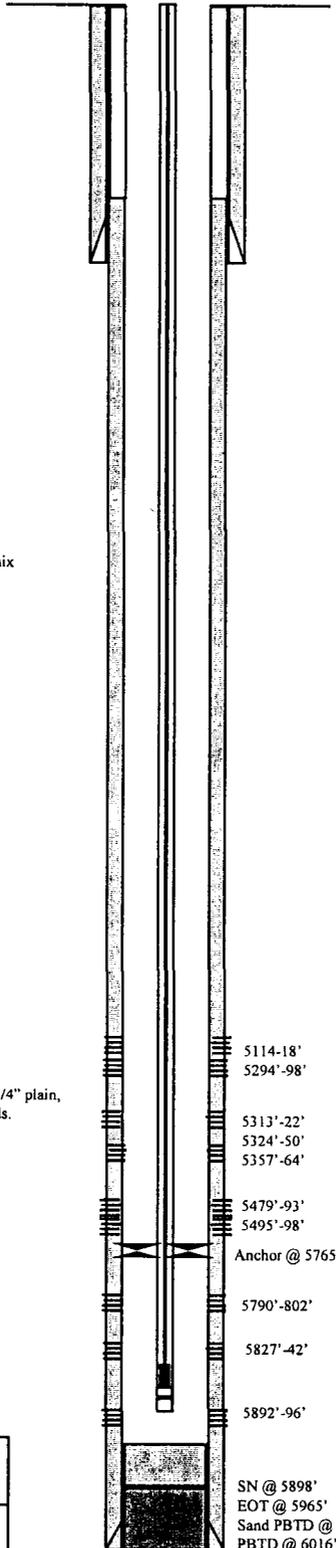
9/28/00 5479'-5498' **Frac A-1 sand as follows:**
 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke down @ 3680 psi. Treated @ avg press of 2200 psi w/avg rate of 29 BPM. ISIP-2250 psi. Flowback on 12/64" choke for 2 hours and died. Rec 78 BTF.

9/29/00 5294'-5364' **Frac B-2 sand as follows:**
 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke down @ 2990 psi. Treated @ avg press of 2000 psi w/avg rate of 29.5 BPM. ISIP-2000 psi. Flowback on 12/64" choke @ 1 BPM. Flowed total of 135 bbls.

9/29/00 5114'-5118' **Frac C sand as follows:**
 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2800 psi w/avg rate of 29 BPM. ISIP 2500 psi. Flowed back on 12/64" choke for 1-1/2 hrs & died. Rec 59 BTF.

PERFORATION RECORD

Date	Depth	Perforation	Holes
9/29/00	5114'-18'	4 JSPF	16 holes
9/29/00	5294'-98'	4 JSPF	16 holes
9/29/00	5313'-22'	4 JSPF	36 holes
9/29/00	5324'-50'	4 JSPF	104 holes
9/29/00	5357'-64'	4 JSPF	28 holes
9/29/00	5479'-93'	4 JSPF	56 holes
9/28/00	5495'-98'	4 JSPF	12 holes
9/27/00	5790'-96'	4 JSPF	24 holes
9/27/00	5798'-802'	4 JSPF	16 holes
9/27/00	5827'-42'	4 JSPF	60 holes
9/27/00	5892'-96'	4 JSPF	16 holes



SN @ 5898'
 EOT @ 5965'
 Sand PBTD @ 6014'
 PBTD @ 6016'
 TD @ 6081'



Inland Resources Inc.

Tar Sands Federal #11-28

1695 FSL 1882 FWL

NESW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32134; Lease #U-76241

Tar Sands Federal #5-28I

Spud Date: 7/18/97
 Put on Production: 9/4/97
 GL: 5240' KB: 5252'

Initial Production: 147 BOPD,
 192 MCFPD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (282.09')
 DEPTH LANDED: 280.67' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt, est 9 bbls to surf.

PRODUCTION CASING

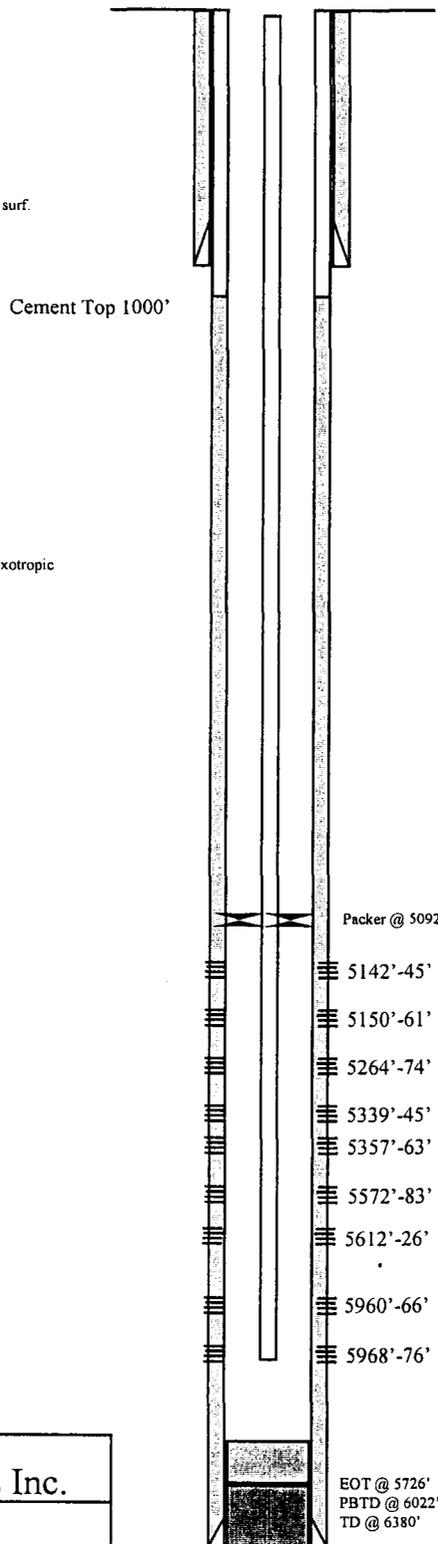
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 142 jts. (6015.92')
 DEPTH LANDED: 6026' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 470 sk Hibond mixed & 450 sxs thixotropic
 CEMENT TOP AT: 1000' per CBL

2654

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 197 jts
 PACKER: 5092'
 SEATING NIPPLE: 5-1/2" (1.10')
 TOTAL STRING LENGTH: ? (EOT @ 5726')
 SN LANDED AT:

Injection Well
 Wellbore Diagram



FRAC JOB

- 8/21/97 5960'-5966' **Frac CP sand as follows:**
 99,900# of 20/40 sand in 510 bbls of Boragel. Breakdown @ 2863 psi.
 Treated @ avg rate of 24.3 bpm w/avg press of 2000 psi. ISIP-2203 psi, 5-min 1975 psi. Flowback on 12/64" ck for 3-1/2 hours and died.
- 8/23/97 5572'-5626' **Frac A sands as follows:**
 106,800# of 20/40 sand in 545 bbls of Boragel. Breakdown @ 1801 psi.
 Treated @ avg rate of 26.3 bpm w/avg press of 1200 psi. ISIP-1804 psi, 5-min 1711 psi. Flowback on 12/64" ck for 3 hours and died.
- 8/26/97 5264'-5363' **Frac C/B sand as follows:**
 95,500# of 20/40 sand in 487 bbls of Boragel. Breakdown @ 2306 psi.
 Treated @ avg rate of 24.5 bpm w/avg press of 2100 psi. ISIP-2425 psi, 5-min 2206 psi. Flowback on 12/64" ck for 2-1/2 hours and died.
- 8/29/97 5142'-5161' **Frac D sand as follows:**
 87,200# of 20/40 sand in 457 bbls of Boragel. Breakdown @ 3194 psi.
 Treated @ avg rate of 22.3 bpm w/avg press of 1560 psi. ISIP-2118 psi, 5-min 2044 psi. Flowback on 12/64" ck for 2 hours and died.

PERFORATION RECORD

Date	Interval	Tool	Holes
8/21/97	5960'-5966'	4 JSPF	32 holes
8/21/97	5968'-5976'	4 JSPF	24 holes
8/22/97	5572'-5583'	4 JSPF	44 holes
8/22/97	5612'-5626'	4 JSPF	56 holes
8/26/97	5264'-5274'	4 JSPF	40 holes
8/26/97	5339'-5345'	4 JSPF	24 holes
8/26/97	5357'-5363'	4 JSPF	24 holes
8/28/97	5142'-5145'	4 JSPF	12 holes
8/28/97	5150'-5161'	4 JSPF	44 holes

Inland Resources Inc.
 Tar Sands Federal #5-28I
 660 FWL 1980 FNL
 NENE Section 28-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31697; Lease #U-74870

EOT @ 5726'
 PBTD @ 6022'
 TD @ 6380'

Tar Sands Federal #6-28

Spud Date: 9/17/97
 Put on Production: 10/29/97
 GL: 5215.3' KB: 5228.3'

Initial Production: 154 BOPD,
 107 MCFPD, 13 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (268')
 DEPTH LANDED: 278' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts. (6203')
 DEPTH LANDED: 6213' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 305 sxs Hibond mixed & 340 sxs thixotropic
 CEMENT TOP AT: 3500

TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#
 NO. OF JOINTS: 191 jts
 TUBING ANCHOR: 5941'
 SEATING NIPPLE: 2 - 7/8"
 TOTAL STRING LENGTH: ?
 SN LANDED AT: 6006'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 135-3/4" plain; 94-3/4" scraped; 1-2' x 3/4" pony rod
 PUMP SIZE: 2-1/2" x 1-1/2" x 16 RHAC rod pump
 STROKE LENGTH: 64"
 PUMP SPEED, SPM: 9 SPM
 LOGS: DIGL/SP/GR/CAL (6222'-280')
 DSN/SDL/GR (6195'-3000')

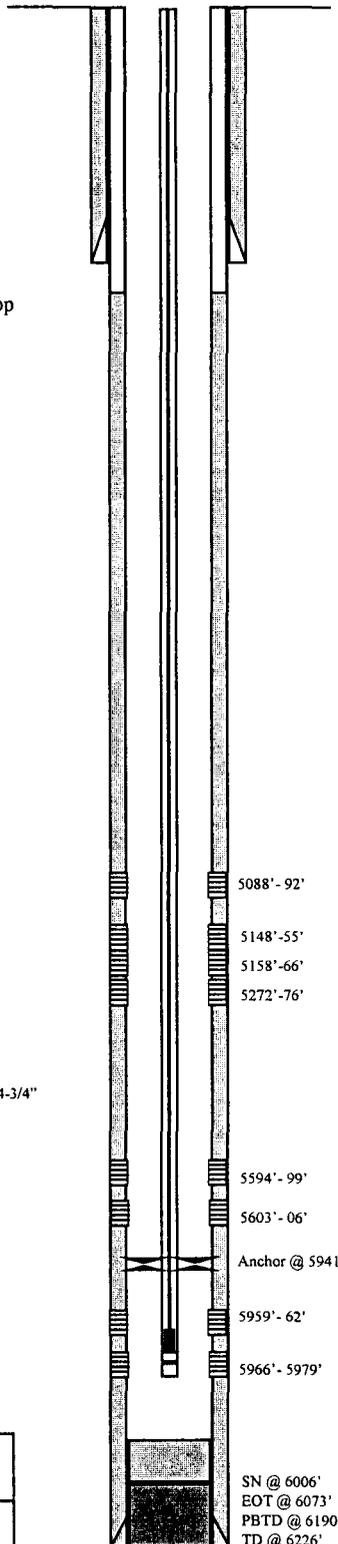
FRAC JOB

10/14/97 5959'-5979' **Frac CP sand as follows:**
 85,600# of 20/40 sand in 496 bbls of Boragel. Breakdown @ 2846 psi. Treated @ avg rate of 26.2 bpm w/avg press of 2450 psi. ISIP-2545 psi, 5-min 2225 psi. Flowback on 12/64" ck for 3 - hours and died.

10/15/97 5594'-5606' **Frac A sand as follows:**
 113,300# of 20/40 sand in 579 bbls of Boragel. Breakdown @ 2666 psi. Treated @ avg rate of 26 bpm w/avg press of 1700 psi. ISIP-2781 psi, 5-min 2662 psi. Flowback on 12/64" ck for 3 hours and died.

10/17/97 5088'-5276' **Frac D/C sand as follows:**
 143,100# of 20/40 sand in 658 bbls of Boragel. Breakdown @ 2240 psi, then broke again @ 3320 psi. Treated @ avg rate of 40 BPM w/avg press of 2210 psi. ISIP-2583 psi, 5 min 2509 psi. Flowback on 12/64" ck for 4 hrs & died.

Cement Top



PERFORATION RECORD

10/12/97	5959' - 5962'	4 JSPF	12 holes
10/12/97	5966' - 5979'	4 JSPF	52 holes
10/15/97	5594' - 5599'	4 JSPF	20 holes
10/15/97	5603' - 5606'	4 JSPF	12 holes
10/17/97	5088' - 5092'	4 JSPF	16 holes
10/17/97	5148' - 5155'	4 JSPF	28 holes
10/17/97	5158' - 5166'	4 JSPF	32 holes
10/17/97	5272' - 5276'	4 JSPF	16 holes

SN @ 6006'
 EOT @ 6073'
 PBTD @ 6190'
 TD @ 6226'



Inland Resources Inc.

Tar Sands Federal #6-28

1980 FNL 1980 FWL

SENW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-31921; Lease #U-76241

Tar Sands Federal #7-28

Spud Date: 6/22/98
 Put on Production: 8/8/98
 GL: 5196' KB: 5206'

Initial Production: 112 BOPD,
 196 MCFPD, 12 BWPD

Injection Wellbore Diagram

12/4/00

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (292.33')
 DEPTH LANDED: 292.83' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Class G cmt, est 4.5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 145 jts. (6165')
 DEPTH LANDED: 6176' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 360 sxs Premium Lite mixed & 400 sxs Class G
 CEMENT TOP AT: Surface per CBL

3224

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts
 PACKER: 4463'
 SEATING NIPPLE: 2-7/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 4467'
 SN LANDED AT: 4460'

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

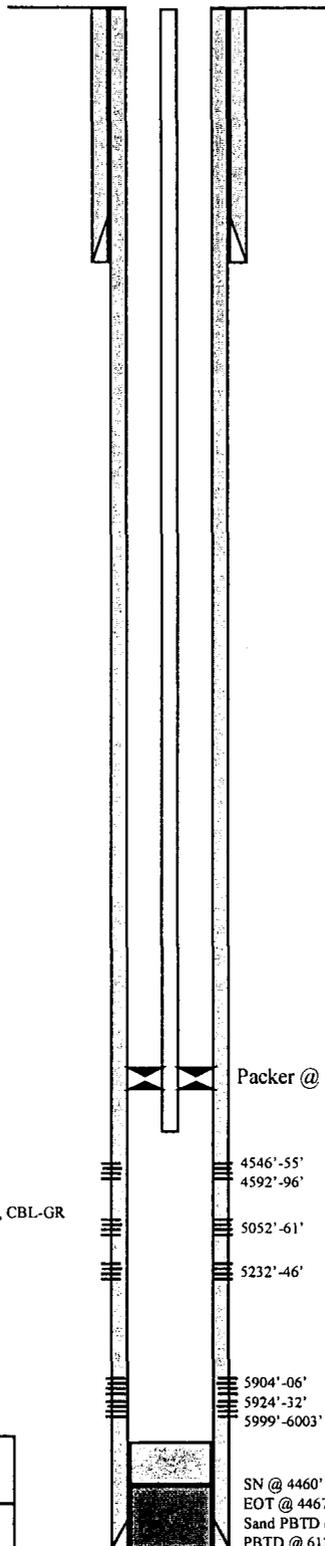
FRAC JOB

7/29/98 5904'-6003' **Frac CP sand as follows:**
 111,000# of 20/40 sand in 564 bbls
 Viking I-25 fluid. Prefs broke down @
 2420 psi. Treated @ avg press of 1335
 psi w/avg rate of 29.9 bpm. ISIP: 1850
 psi, 5-min 1750 psi. Flowback on 12/64
 choke for 6 hours and died.

7/31/98 5232'-5246' **Frac C sand as follows:**
 104,500# of 20/40 sand in 531 bbls
 Viking I-25 fluid. Prefs broke down @
 2920 psi. Treated @ avg press of 1620
 psi w/avg rate of 27.8 bpm. ISIP: 2420
 psi, 5-min 2200 psi. Flowback on 12/64
 choke for 3 hours and died.

8/3/98 5052'-5061' **Frac D sand as follows:**
 93,700# of 20/40 sand in 500 bbls
 Viking I-25 fluid. Prefs broke down @
 2230 psi. Treated @ avg press of 1580
 psi w/avg rate of 26.3 bpm. ISIP: 2350
 psi, 5-min 1860 psi. Flowback on 12/64
 choke for 3 hours and died.

8/5/98 4546'-4596' **Frac GB sand as follows:**
 104,500# of 20/40 sand in 513 bbls
 Viking I-25 fluid. Prefs broke down @
 3200 psi. Treated @ avg press of 1700
 psi w/avg rate of 28.8 bpm. ISIP: 2000
 psi, 5-min 1640 psi. Flowback on 12/64
 choke for 3-1/2 hours and died.



PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
7/28/98	5904'-5906'	4 JSPF	8 holes
7/28/98	5924'-5932'	4 JSPF	32 holes
7/28/98	5999'-6003'	4 JSPF	16 holes
7/30/98	5232'-5246'	4 JSPF	56 holes
8/1/98	5052'-5061'	4 JSPF	36 holes
8/4/98	4546'-4555'	4 JSPF	36 holes
8/4/98	4592'-4596'	4 JSPF	16 holes

SN @ 4460'
 EOT @ 4467'
 Sand PBTD @ 6115'
 PBTD @ 6127'
 TD @ 6200'



Inland Resources Inc.

Tar Sands Federal #7-28

2237 FNL 2031 FEL

SWNE Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32069; Lease #UTU-76241

Tar Sands Federal #9-28

Spud Date: 6/25/98
 Put on Production: 8/24/98
 GL: 5191' KB: 5201'

Injection Wellbore
 Diagram Updated
 4/12/00 GBRIV

Initial Production: 44 BOPD;
 56 MCFD; 5 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts.(295')
 DEPTH LANDED: 295'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Class "G" cmt, & 15 sxs Class "G".

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (6129')
 SET AT: 6140'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 380 sxs Premium modified mixed & 380 sxs class G
 CEMENT TOP AT: 390' per cement bond log(Schlumberger)

1839

TUBING

SIZE/GRADE/AWT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 136 jts
 PACKER: 4529'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: EOT @ 4533'
 SN LANDED AT: 4525'

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

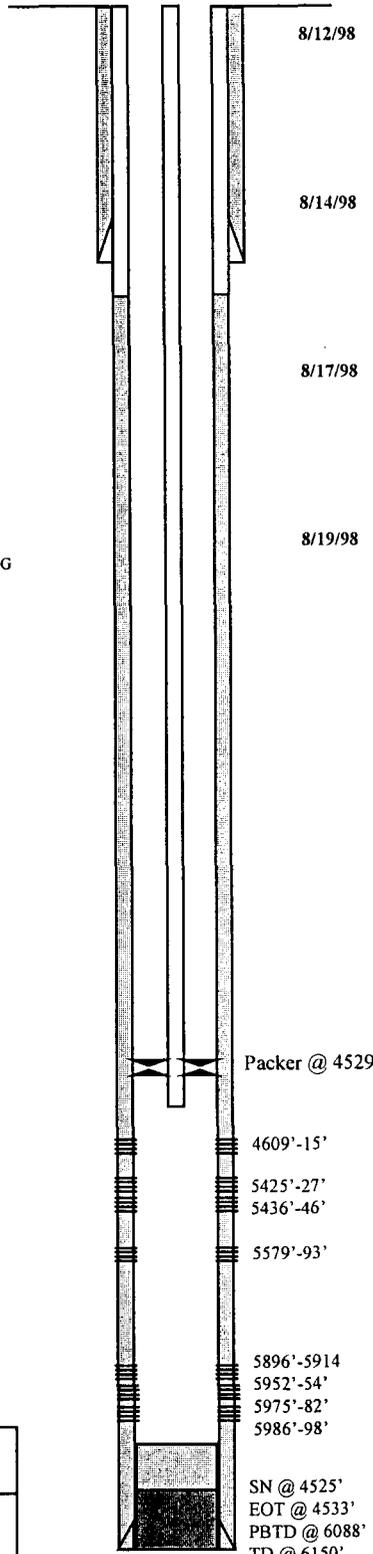
FRAC JOB

8/12/98 5896'-5998' Frac CP-1 & CP-2 sand as follows:
 100,500# 20/40 sand in 533 bbls Viking I-25 fluid. Perfs broke back @ 2520 psi. Treated @ avg press of 1070 psi w/avg rate of 32 BPM. ISIP: 1460 psi, 5-min 1380 psi. Flowback on 12/64 choke for 3-1/2 hours and died.

8/14/98 5579'-5593' Frac A-3 sand as follows:
 96,850# 20/40 sand in 534 bbls Viking I-25 fluid. Perfs broke back @ 3470 psi. Treated @ avg press of 1780 psi w/avg rate of 28.6 BPM. ISIP: 2200 psi, 5-min 2050 psi. Flowback on 12/64 choke for 4 hours and died.

8/17/98 5425'-5446' Frac B-2 sand as follows:
 90,000# 20/40 sand in 490 bbls Viking I-25 fluid. Perfs broke back @ 3820 psi. Treated @ avg press of 1335 psi w/avg rate of 25.1 BPM. ISIP: 1840 psi, 5-min SI - 1600 psi. Flowback on 12/64 choke for 4 hours and died.

8/19/98 4609'-4615' Frac GB-6 sand as follows:
 81,900# 20/40 sand in 431 bbls Viking I-25 fluid. Perfs broke back @ 3100 psi. Treated @ avg press of 1970 psi w/avg rate of 24.7 BPM. ISIP: 2420 psi, 5-min SI 2100 psi. Flowback on 12/64 choke for 3-1/2 hours and died.



Packer @ 4529'

PERFORATION RECORD

8/11/98	5896'-5914'	2 JSPF	36 holes
8/11/98	5952'-5954'	2 JSPF	4 holes
8/11/98	5975'-5972'	2 JSPF	14 holes
8/11/98	5986'-5998'	2 JSPF	14 holes
8/13/98	5579'-5593'	4 JSPF	56 holes
8/15/98	5425'-5427'	4 JSPF	8 holes
8/15/98	5436'-5446'	4 JSPF	40 holes
8/18/98	4609'-4615'	4 JSPF	24 holes



Inland Resources Inc.

Tar Sands Federal #9-28

2083 FSL 679 FEL

NESE Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32067; Lease #U-76241

Tar Sands Federal #10-28

Spud Date: 6/24/98
 Put on Production: 8/19/98
 GL: 5207' KB: 5217'

Initial Production: 238 BOPD,
 377 MCFPD, 15 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 288' (7 jts)
 DEPTH LANDED: 288' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt Est 6 bbls cmt to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 144 jts (6128')
 DEPTH LANDED: 6139'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 375 sxs Premium mixed & 400 sxs Class 'G'
 CEMENT TOP AT: 241' per KB

3569

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 189 jts
 TUBING ANCHOR: 5873'
 SEATING NIPPLE: 2-7/8" (1.10")
 TOTAL STRING LENGTH: EOT @ 6001'
 SN LANDED AT: 5938'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished
 SUCKER RODS: 4 - 1-1/2" weight rods, 4 - 3/4" scraped, 133 - 3/4" plain, 95 - 3/4" scraped, 1 - 8"x3/4" pony rods.
 TOTAL ROD STRING LENGTH: ?
 PUMP SIZE: 2-1/2 x 1-1/2 x 16' RHAC pump
 STROKE LENGTH: 84"
 PUMP SPEED, SPM: 8
 LOGS: GR, SP, Spectral Density-Dual Spaced Neuron, CBL-GR

FRAC JOB

7/24/98 5906'-5927' **Frac CP-1 sand as follows:**
 109,021# 20/40 sand in 565 bbls Viking I-25 fluid. Perfs broke down @ 2428 psi. Treated @ avg press of 1300 psi w/avg rate of 28.2 BPM. ISIP-1750 psi, 5-min 1537 psi. Flowback on 12/64" choke for 3-1/2 hours and died.

7/27/98 5565'-5582' **Frac A-3 sand as follows:**
 121,500# 20/40 sand in 586 bbls Viking I-25 fluid. Perfs broke down @ 3100 psi. Treated @ avg press of 1880 psi w/avg rate of 30.3 BPM. ISIP-1980 psi, 5-min 1860 psi. Flowback on 12/64" choke for 3 hours and died.

7/29/98 5417'-5426' **Frac B-2 sand as follows:**
 111,800# 20/40 sand in 565 bbls Viking I-25 fluid. Perfs broke down @ 4000 psi, w/ 2nd break @ 1760 psi w/ rate. Treated @ avg press of 1425 psi w/avg rate of 28.5 BPM. ISIP-2150 psi, 5-min 1700 psi. Flowback on 12/64" choke for 4 hours and died.

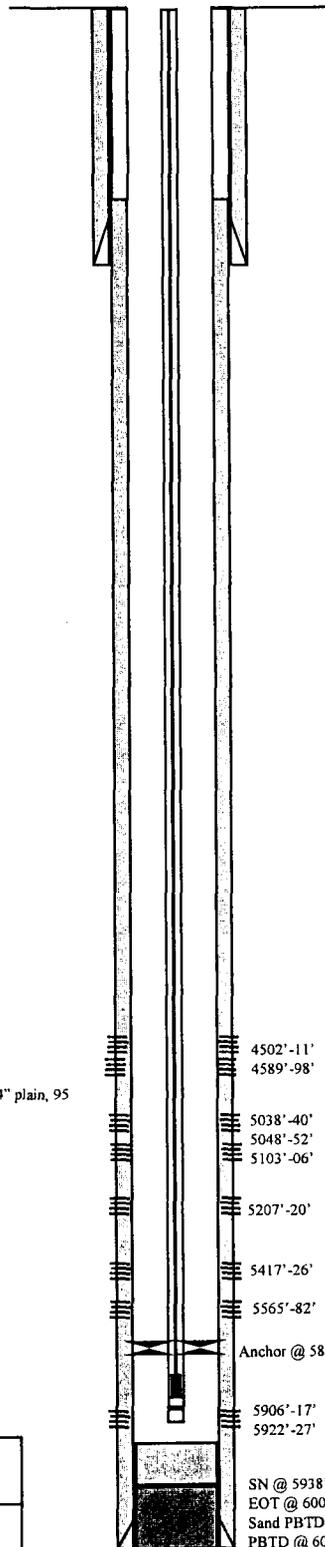
7/31/98 5207'-5220' **Frac C-5d sand as follows:**
 105,400# 20/40 sand in 430 bbls Viking I-25 fluid. Perfs broke down @ 3300 psi. Treated @ avg press of 1650 psi w/avg rate of 24 bpm. With 7# sand @ perfs, slurry pumps began pumping extremely rough. Maximum rate able to pump was reduced to 19 bpm. Pressure began rising quickly. 10 ppg sand was reached @ blender before cutting sand. Flushed 20 bbls before screenout occurred w/9# sand on perfs. Est. 76,100# sand on formation, 29,300# sand left in casing. Flow well back. Rec 5 bbls.

8/3/98 5038'-5106' **Frac D-1 & D-2 sand as follows:**
 94,700# 20/40 sand in 495 bbls Viking I-25 fluid. Perfs broke down @ 2100 psi. Treated @ avg press of 2050 psi w/avg rate of 30.5 BPM. ISIP-2920 psi, 5-min 2540 psi. Flowback on 12/64" choke for 2-1/2 hours and died.

8/5/98 4502'-4598' **Frac GB-4 & GB-6 sand as follows:**
 118,000# 20/40 sand in 569 bbls Viking I-25 fluid. Perfs broke down @ 3600 psi. Treated @ avg press of 1750 psi w/avg rate of 30.6 BPM. ISIP-2160 psi, 5-min 1700 psi. Flowback on 12/64" choke for 3-1/2 hours and died.

PERFORATION RECORD

Date	Depth Range	ISIP	Rate	Holes
7/23/98	5906'-5917'	4 JSPF	44	44 holes
7/23/98	5922'-5927'	4 JSPF	20	20 holes
7/25/98	5565'-5582'	4 JSPF	68	68 holes
7/29/98	5417'-5426'	4 JSPF	36	36 holes
7/30/98	5207'-5220'	4 JSPF	52	52 holes
8/1/98	5038'-5040'	4 JSPF	8	8 holes
8/1/98	5048'-5052'	4 JSPF	16	16 holes
8/1/98	5103'-5106'	4 JSPF	12	12 holes
8/4/98	4502'-4511'	4 JSPF	36	36 holes
8/4/98	4589'-4598'	4 JSPF	36	36 holes



SN @ 5938'
 EOT @ 6001'
 Sand PBTD @ 6080'
 PBTD @ 6088'
 TD @ 6150'



Inland Resources Inc.

Tar Sands Federal #10-28

2025 FSL 1964 FEL

NWSE Section 286-T8S-R17E

Duchesne Co, Utah

API #43-013-32066; Lease #U-76241

Tar Sands Federal #12-28

Initial Production: NONE

Spud Date: 12/20/97
Plugged: 1/9/98
GL: 5171' KB: 5184'

Plugging Diagram

SURFACE CASING

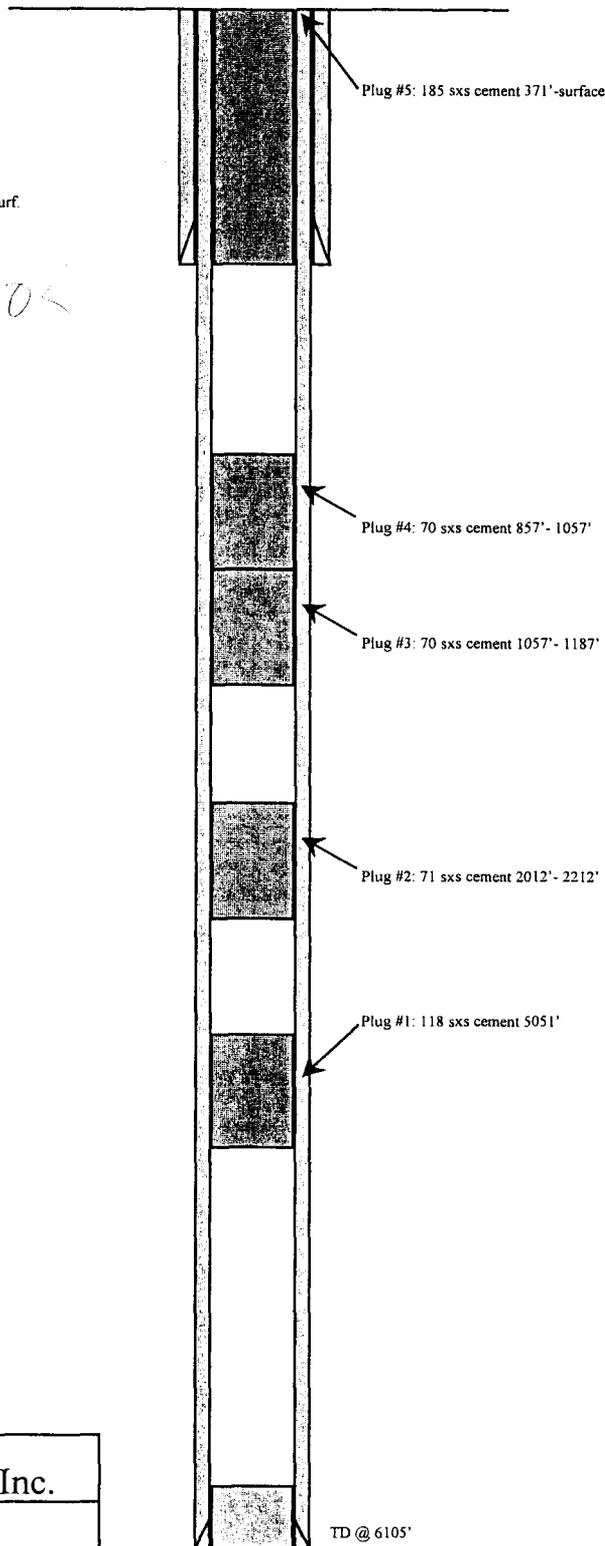
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 294' (7 jts)
DEPTH LANDED: 304'
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Premium cmt, est 4 bbls to surf.

OK

PRODUCTION CASING

TUBING

SUCKER RODS



Inland Resources Inc.

Tar Sands Federal #12-28

1966 FSL 611 FWL

NWSW Section 28-T8S-R17E

Duchesne County, Utah

API #43-013-31943; Lease #U-76241

Tar Sands Federal #13-28

Injection Diagram

Updated 6/15/00
GBRIV

Initial Production: 116 BOPD,
297 MCFPD, 3 BWPD

Spud Date: 7/31/97
Put on Injection: --/--
GL: 5139' KB: 5152'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (305.30')
DEPTH LANDED: 315.70' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 142 jts. (6040')
DEPTH LANDED: 6040' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 345 sxs Hibond mixed & 305 sxs thixotropic
CEMENT TOP AT: 1054' per CBL

3920

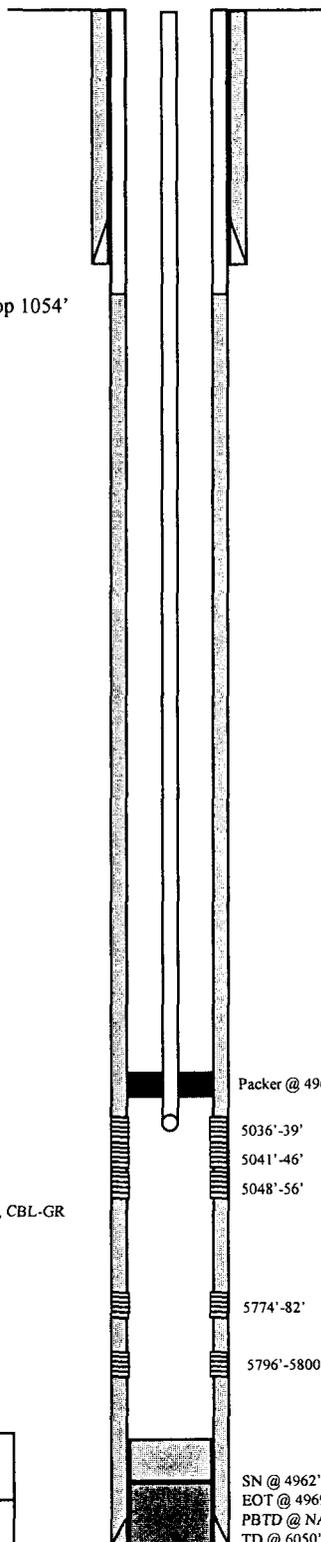
TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#
NO. OF JOINTS: 160 jts
TUBING ANCHOR:
SEATING NIPPLE: 2 - 7/8" (1.10')
TOTAL STRING LENGTH: (EOT @ 4969')
SN LANDED AT: 4962'

SUCKER RODS

POLISHED ROD:
SUCKER RODS:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Cement Top 1054'



FRAC JOB

8/24/97 5774'-5800'

Frac CP sand as follows:
86,600# of 20/40 sand in 470 bbls of Boragel. Breakdown @ 2144psi.
Treated @ avg rate of 24.5 bpm w/avg press of 1500 psi. ISIP-1800 psi, 5-min 1594 psi. Flowback on 12/64" ck for 3-1/2 hours and died.

8/2797 5036'-5056'

Frac C sands as follows:
96,200# of 20/40 sand in 479 bbls of # Boragel. Breakdown @ 1993 psi.
Treated @ avg rate of 24.5 bpm w/avg press of 2175 psi. ISIP-2930 psi, 5-min 2665 psi. Flowback on 12/64" ck for 2 hours and died.

Packer @ 4965'

5036'-39'
5041'-46'
5048'-56'

PERFORATION RECORD

8/23/97	5796'-5800'	4 JSPF	16 holes
8/23/97	5774'-5782'	4 JSPF	32 holes
8/26/97	5048'-5056'	4 JSPF	32 holes
8/2697	5041'-5046'	4 JSPF	20 holes
8/26/97	5036'-5039'	4 JSPF	12 holes

5774'-82'

5796'-5800'

SN @ 4962'
EOT @ 4969'
PBDT @ NA
TD @ 6050'



Inland Resources Inc.

Tar Sands Federal #13-28

497 FWL 657 FSL

NENE Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-31771; Lease #U-76241

Tar Sands Federal #14-28

Spud Date: 6/30/98
 Put on Production: 8/19/98
 GL: 5109' KB: 5121'

Initial Production: 82 BOPD,
 187 MCFPD, 7 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (313')
 DEPTH LANDED: 314' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Class G

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 142 jts. (5972')
 DEPTH LANDED: 5981' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 340 sxs Premium Lite mixed & 350 sxs Class G
 CEMENT TOP AT: Surface per CBL

3094

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 192 jts
 TUBING ANCHOR: 5703'
 SEATING NIPPLE: 2-7/8" (1.10")
 TOTAL STRING LENGTH: EOT @ 5860'
 SN LANDED AT: 5798'

SUCKER RODS

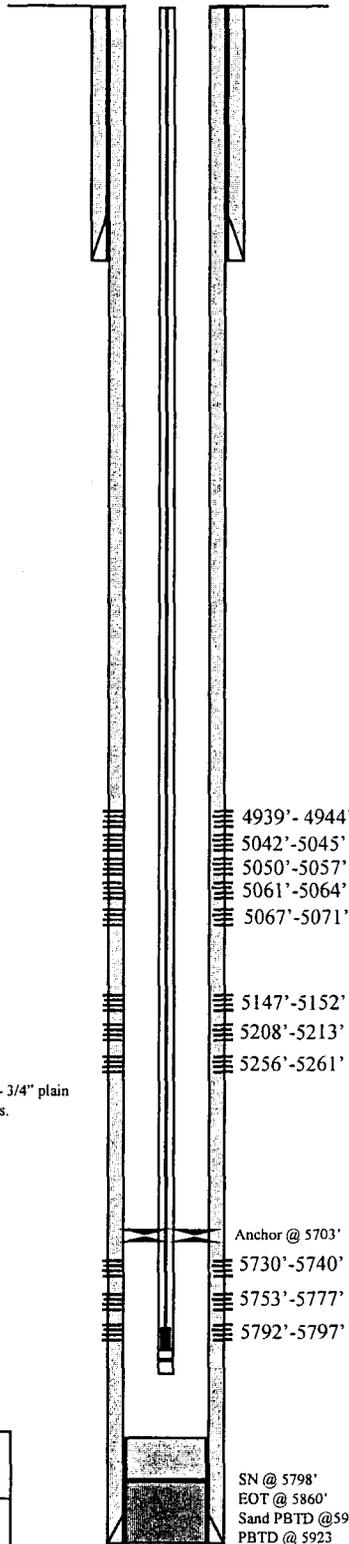
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4 - 1-1/2" weight rods, 4 - 3/4" scraped rods, 128 - 3/4" plain rods, 95 - 3/4" scaped rods, 1 - 8', 1 - 6', 1 - 4', 1-2' x 3/4" pony rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2 RHAC
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5 1/2 SPM
 LOGS: DIGL/SP/GR/CAL/CN/CD/CBL-GR

FRAC JOB

8/11/98 5730'-5797' **Frac CP sand as follows:**
 112,100# 20/40 sand in 559 bbl Viking I-25 fluid. Perfs broke down @ 3720 psi. Treated @ avg press of 1350 w/avg rate of 30.2 bpm. ISIP: 1820 psi, 5 min: 1700 psi. Flowback on 12/64 choke for 4-1/2 hrs & died

8/13/98 5147'-5261' **Frac B sand as follows:**
 118,500# of 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke down @ 3137 psi. Treated @ avg press of 1980 psi w/avg rate of 32 bpm. ISIP: 2300 psi, 5-min 2140 psi. Flowback on 12/64 choke for 3 hours and died.

8/15/98 4939'-5071' **Frac D/C sand as follows:**
 128,800# of 20/40 sand in 607 bbls Viking I-25 fluid. Perfs broke down @ 3200 psi. Treated @ avg press of 2150 psi w/avg rate of 36.1 bpm. ISIP: 2800 psi, 5-min 2700 psi. Flowback on 12/64 choke for 3 hours and died.



PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
8/9/98	5730'-5740'	2	JSPF 20 holes
8/9/98	5753'-5777'	2	JSPF 48 holes
8/9/98	5792'-5797'	2	JSPF 10 holes
8/12/98	5147'-5152'	4	JSPF 20 holes
8/12/98	5208'-5213'	4	JSPF 20 holes
8/12/98	5256'-5261'	4	JSPF 20 holes
8/14/98	4939'-4944'	4	JSPF 20 holes
8/14/98	5042'-5045'	4	JSPF 12 holes
8/14/98	5050'-5057'	4	JSPF 28 holes
8/14/98	5061'-5064'	4	JSPF 12 holes
8/14/98	5067'-5071'	4	JSPF 16 holes



Inland Resources Inc.

Tar Sands Federal #14-28

660 FSL 1982 FWL

SESW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32065; Lease #U-76241

Tar Sands Federal #15-28

Spud Date: 8/10/00
 Put on Production: 9/19/00
 GL: 5132' KB: 5142'

Initial Production: 115 BOPD,
 75 MCFPD, 26 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 311' (7 jts)
 DEPTH LANDED: 307.16' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cement plus additives

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 144 jts (6113.84')
 DEPTH LANDED: 6109.84'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 360 sx PremLite II, followed by 625 sx 50/50 Pozmix.

466

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 183 jts
 TUBING ANCHOR: 5884'
 SEATING NIPPLE: 2-3/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 5987.08' KB
 SN LANDED AT: 5952.92' KB

SUCKER RODS

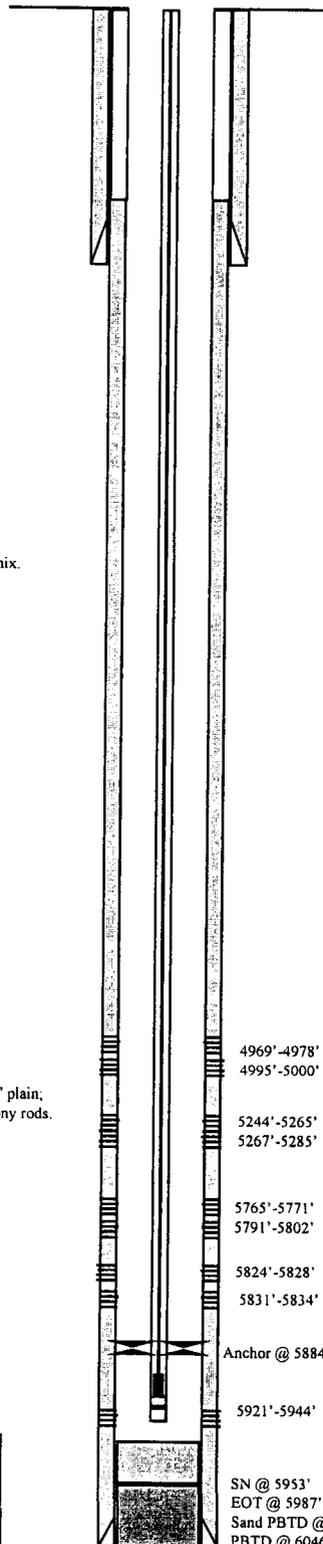
POLISHED ROD: 1-1/4" x 22' polished
 SUCKER RODS: 4 - 1-1/2" weight rods; 10 - 3/4" scraped; 134 - 3/4" plain; 89 - 3/4" scraped; and 1 each of 3/4" x 8', 3/4" x 6' and 3/4" x 2' pony rods.
 TOTAL ROD STRING LENGTH: ?
 PUMP SIZE: 2-1/2 x 1-1/2 x 16' RHAC pump
 STROKE LENGTH: 73"
 PUMP SPEED, SPM: 7
 LOGS: GR, SP, Spectral Density-Dual Spaced Neuron, CBL-GR

FRAC JOB

9/14/00 5765'-5944' **Frac CP sand as follows:**
 120,000# 20/40 sand in 721 bbls Viking I-25 fluid. Perfs broke down @ 3550 psi. Treated @ avg press of 2000 psi w/avg rate of 34 BPM. ISIP-1600 psi, 5-min 1495 psi. Left pressure on well.

9/14/00 4969'-5000' **Frac D-2 sand as follows:**
 57,080# 20/40 sand in 356 bbls Viking I-25 fluid. Perfs broke down @ 3980 psi. Treated @ avg press of 2400 psi w/avg rate of 30.5 BPM. ISIP-3100 psi, 5-min 2710 psi. Flowback on 12/64" choke for 2-1/2 hours and died. Rec 77 BTF.

9/14/00 5244'-5285' **Frac B-2 sand as follows:**
 78,000# 20/40 sand in 469 bbls Viking I-25 fluid. Perfs broke down @ 2160 psi. Treated @ avg press of 1800 psi w/avg rate of 30 BPM. ISIP-2030 psi, 5-min 1900 psi. Left pressure on well.



PERFORATION RECORD

Date	Depth Range	Perforation Type	Number of Holes
9/14/00	4969'-4978'	4 JSPF	36 holes
9/14/00	4995'-5000'	4 JSPF	20 holes
9/14/00	5244'-5265'	2 JSPF	42 holes
9/14/00	5267'-5285'	2 JSPF	36 holes
9/13/00	5765'-5771'	1 JSPF	6 holes
9/13/00	5791'-5802'	1 JSPF	11 holes
9/13/00	5824'-5828'	1 JSPF	4 holes
9/13/00	5831'-5834'	1 JSPF	3 holes
9/13/00	5921'-5944'	2 JSPF	46 holes



Inland Resources Inc.

Tar Sands Federal #15-28

518 FSL 1890 FEL

SWSE Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32109; Lease #U-76241

Tar Sands Federal #9-29

Injection Wellbore
Diagram

Updated 4/12/00

GBRIV

Initial Production: 80 BOPD,
126 MCFPD, 2 BWPD

Spud Date: 12/11/97
Put on Production: 1/27/98
GL: 5183' KB: 5193'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (292')
DEPTH LANDED: 302' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Premium cmt, est 8 bbbs to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (6070')
DEPTH LANDED: 6080' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sk Hibond mixed & 340 sxs thixotropic
CEMENT TOP AT: 3400

TUBING

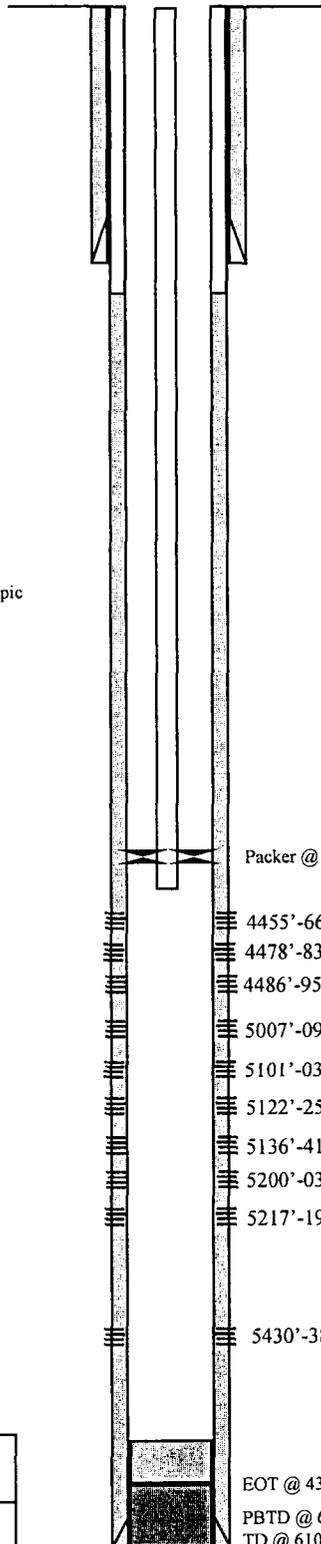
SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 142 jts
PACKER: 4374'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: (EOT @ 4379')
SN LANDED AT: 4362'

FRAC JOB

1/17/98 5430'-5438' **Frac A sand as follows:**
104,400# of 20/40 sand in 515 bbbs of
Delta frac. Breakdown @ 3890 psi.
Treated @ avg rate of 26 bpm w/avg
press of 1980 psi. ISIP-2120 psi, 5-min
2033 psi. Flowback on 12/64" ck for 4
hours and died.

1/20/98 5007'-5219' **Frac B/C/D sands as follows:**
127,200# of 20/40 sand in 619 bbbs of
Delta frac. Breakdown @ 2133 psi.
Treated @ avg rate of 36.8 bpm w/avg
press of 2300 psi. ISIP-1771 psi, 5-min
1600 psi. Flowback on 12/64" ck for 3
hours and died.

1/22/98 4455'-4495' **Frac GB sand as follows:**
123,300# of 20/40 sand in 546 bbbs of
Delta frac. Breakdown @ 2883 psi.
Treated @ avg rate of 28.1 bpm w/avg
press of 1599 psi. ISIP-2123 psi, 5-min
1941 psi. Flowback on 12/64" ck for 3-
1/2 hours and died.



PERFORATION RECORD

1/16/98	5430'-5438'	4 JSPF	32 holes
1/18/98	5007'-5009'	4 JSPF	8 holes
1/18/98	5101'-5103'	4 JSPF	8 holes
1/18/98	5122'-5125'	4 JSPF	12 holes
1/18/98	5136'-5141'	4 JSPF	20 holes
1/18/98	5200'-5203'	4 JSPF	12 holes
1/18/98	5217'-5219'	4 JSPF	8 holes
1/21/98	4455'-4466'	4 JSPF	44 holes
1/21/98	4478'-4483'	4 JSPF	20 holes
1/21/98	4486'-4495'	4 JSPF	36 holes

Packer @ 4374'

EOT @ 4379'

PBTD @ 6033'

TD @ 6100'



Inland Resources Inc.

Tar Sands Federal #9-29

1980 FSL 660 FEL

NESE Section 29-T8S-R17E

Duchesne Co, Utah

API #43-013-31942; Lease #U-74869

Tar Sands Federal #4-33

Spud Date: 8/12/96
 Put on Production: 9/9/96
 GL: 5142' KB: 5155'

Initial Production: 73 BOPD,
 97 MCFPD, 3 BWPD

Proposed Injection Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (287.03')
 DEPTH LANDED: 285.93' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt, est 8 bbis to surf.

PRODUCTION CASING

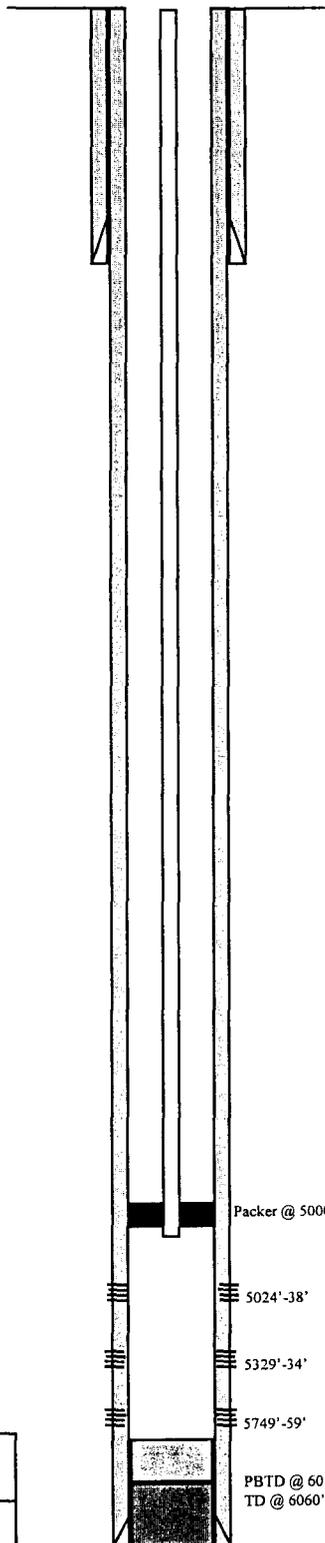
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts. (6068.26')
 DEPTH LANDED: 6055' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sk Hybond mixed & 335 sxs thixotropic
 CEMENT TOP AT: Surface per CBL

2380

TUBING

SIZE/GRADE/AWT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: ? jts
 TUBING ANCHOR: 5630'
 SEATING NIPPLE: 2-7/8" (1.10')
 TOTAL STRING LENGTH: ? (EOT @ 5850')
 SN LANDED AT: 5734'

SUCKER RODS



PERFORATION RECORD

8/27/96	5749'-5759'	4 JSPF	40 holes
8/29/96	5329'-5334'	4 JSPF	20 holes
8/31/96	5024'-5038'	4 JSPF	52 holes



Inland Resources Inc.

Tar Sands Federal #4-33

720 FNL 805 FWL

NWNW Section 33-T8S-R17E

Duchesne Co, Utah

API #43-013-31664; Lease #U-74870

Harbourtown Federal #21-33

Spud Date: 3/2/98
 Put on Production: 4/13/98
 GL: 5129' KB: 5142'

Initial Production: 74 BOPD,
 40 MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED: 299'
 HOLE SIZE:
 CEMENT DATA: 200 sxs cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE:
 WEIGHT:
 LENGTH:
 DEPTH LANDED: 5909'
 HOLE SIZE:
 CEMENT DATA: 510 sks
 CEMENT TOP AT: ABOVE 4000'
 GAP IN CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"
 NO. OF JOINTS: ? 5737'
 TUBING ANCHOR:
 SEATING NIPPLE:
 TOTAL STRING LENGTH:
 SN LANDED AT:

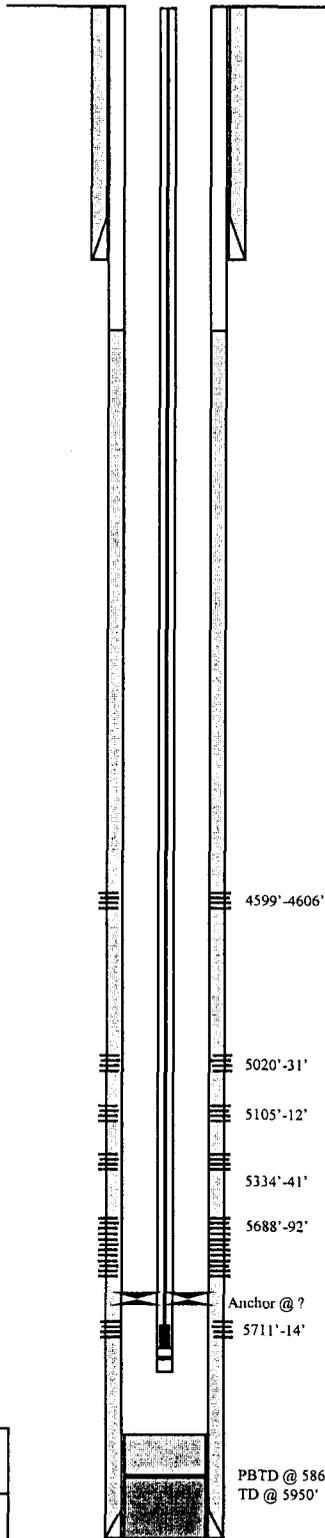
SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: DIGL/SP/GR/CAL
 SDL/DSN/GR

FRAC JOB

SWFR (5688'-32') 426 bbis 70,500 lbs sand, 20/40 sd x-link gelled water.
 SWFR (5334'-41') 305 bbis 40,700 lbs sand, 20/40 sd x-link gelled water.
 SWFR (5020'-5112') 532 bbis 100,000 lbs sand, 20/40 sd x-link gelled water.

Well was drilled by Rosewood.
 It is a non-unit well (fee?).
 No further information available.



PERFORATION RECORD

4599'-4606'
 5020'-31'
 5105'-12'
 5334'-41'
 5688'-92'
 Anchor @ ?
 5711'-14'
 PBTD @ 5864'
 TD @ 5950'



Inland Resources Inc.
 Harbourtown Federal #21-33
 513 FNL 1938 FWL
 NENW Section 33-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31914

ATTACHMENT E

NAME AND DEPTH OF USDWs

For Class II wells, submit geologic name and depth to bottom of all underground sources of drinking water, which may be affected by the injection.

Due to the location and depth of the well, it will not affect any source of drinking water. See Attachments E-1 through E-2, showing pertinent water analyses.

Attachment E-1 Analysis of the formation water taken from the Tar Sands Federal #11-28-8-17.

Attachment E-2 Analysis of the compatibility of the injected and formation water

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (435) 722-5068
Fax (435) 722-5727

Attachment E-1

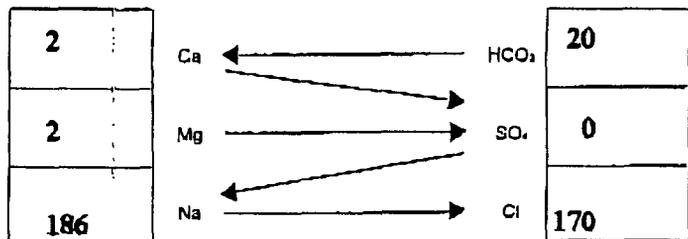
WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address _____ Date 2/27/01
 Source Tar Sands 11-28-8-17 Date Sampled 2/26/01 Analysis No. _____
Greater Boundary

Analyse	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>	
2. H ₂ S (Qualitative)	<u>0.5</u>	
3. Specific Gravity	<u>1.010</u>	
4. Dissolved Solids	<u>11,550</u>	
5. Alkalinity (CaCO ₃)	CO ₃ <u>0</u>	+ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃ <u>1,220</u>	+ 61 <u>20</u> HCO ₃
7. Hydroxyl (OH)	OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl <u>6,000</u>	+ 35.5 <u>170</u> Cl
9. Sulfates (SO ₄)	SO ₄ <u>0</u>	+ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca <u>40</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)	Mg <u>12</u>	+ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)	<u>140</u>	
13. Total Iron (Fe)	<u>1.5</u>	
14. Manganese		
15. Phosphate Residuals		

*Mill equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Eq. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.82				
NaHCO ₃	84.00	<u>16</u>			<u>1,344</u>
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>170</u>			<u>9,938</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO 2-28-2001
 LOCATION:
 SYSTEM:

WATER DESCRIPTION:	JOHNSON WATER	T.S. 11-28-8-17 (G. Body)
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	393	2001
SULFATE AS PPM SO4	130	0
CHLORIDE AS PPM Cl	71	6000
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	180	100
MAGNESIUM AS PPM CaCO3	169	49
SODIUM AS PPM Na	46	4278
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	11550
TEMP (DEG-F)	100	100
SYSTEM pH	7.4	8.8

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND T.S. 11-28-8-17 ()
 CONDITIONS: pH=8.1. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% Water	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.03	53	0	0	0
90	1.10	53	0	0	0
80	1.13	52	0	0	0
70	1.14	49	0	0	0
60	1.14	47	0	0	0
50	1.12	44	0	0	0
40	1.09	42	0	0	0
30	1.06	39	0	0	0
20	1.01	36	0	0	0
10	.96	33	0	0	0
0	.91	30	0	0	0

ATTACHMENT G

GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES

For Class II wells, submit appropriate geological data on the injection zone and confining zones, including lithologic description, geological name, thickness, and depth and fracture pressure.

The proposed injection well produced from and will inject into the Green River formation. Water is sourced from the Johnson Water District and injected or is commingled with produced water at the Monument Butte Injection Facility and processed for individual well injection.

The injection zones are in the Green River formation, bounded by the Garden Gulch marker and the Basal Carbonate Marker. The Green River is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. At the Tar Sands Federal #11-28-8-17 location, the proposed injection zone is from 5114'-5896'. The porous and permeable lenticular sandstones vary in thickness from 0' – 31' and are confined to the Monument Butte area by low porosity calcareous shales and carbonates.

The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate, in the Tar Sands Federal #11-28-8-17 well. The strata confining the injection zone are composed of tight, moderately calcareous, sandy lacustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

The fracture pressure of the Tar Sands Federal #11-28-8-17 will be determined upon testing. The minimum fracture gradient calculates at 0.751 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be conducted upon injection and periodically thereafter to determine the actual fracture pressure. As the fracture pressure increases, we may elect to increase the injection pressure, but will not exceed the maximum of 1831 psig.

Communication Prevention:

The injection system will be equipped with high and low pressure shut down devices, which will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

Attachment G-1	Formation Tops
Attachment G-2	Proposed Maximum Injection Pressure
Attachment G-3	Fracture Reports Dated 9/28/00 AND 9/29/00
Attachment G-4	Drilling and Completion Reports Dated 8/28/00 THROUGH 9/04/00 AND 9/26/00 THROUGH 10/04/00

ATTACHMENT G-1

FORMATION TOPS

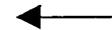
TAR SANDS FEDERAL #11-28-8-17

<u>FORMATION</u>	<u>DEPTH (ft)</u>
Green River	3946'
Garden Gulch	4259'
Point Three Marker	4536'
X Marker	4763'
Y-Marker	4797'
Douglas Creek	4929'
Bicarbonate Marker	5177'
B-Limestone	5364'
Castle Peak Limestone	5772'
Total Depth	6081'

Attachment "G- 2"

**Tar Sands Federal #11-28-8-17
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5114	5118	5116	2500	0.922	2488
5294	5364	5329	2000	0.808	1975
5479	5498	5489	2250	0.843	2234
5790	5896	5843	1860	0.751	1831
				Minimum	<u>1831</u>



Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



Attachment G-3
Page 1 of 4

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/29/00 Completion Day: 03(a)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EQT @: 0 BP/Sand PBDT: 6016'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP 0.5 sd	5790-5796'	4/24			
CP 0.5 sd	5798-5802'	4/16			
CP 1 sds	5827-5842'	4/60			
CP 2 sds	5892-5896'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 28-Sep-00 SITP: 0 SICP: 0

NU BJ Services "Ram head" flange. RU BJ Services and frac CP sds W/ 99,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke dn @ 3830 psi. Treated W/ ave press of 1900 psi W/ ave rate of 29 BPM. ISIP-1860 psi. Begin flowing frac back on 12/64" choke @ 1 BPM. Flowed btms up, recovered underflush. Watch add'l 72 bbls to be free of sand. Total flowed-162 bbls (est 28% of frac load) in 4 hrs. Final flowing pressure @ 500 psi. SI well. RD BJ. Est 433 BWTR.

See day 3(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 11 Starting oil rec to date: 0
Fluid lost/recovered today: 422 Oil lost/recovered today: 0
Ending fluid to be recovered: 433 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

- 5000 gals of pad
- 2000 gals W/ 1-5 ppg of 20/40 sand
- 10,500 gals W/ 5-8 ppg of 20/40 sand
- 3334 gals W/ 8 ppg of 20/40 sand
- Flush W/ 3696 gals of slick water

COSTS

KES rig	\$1,134
BOP	\$130
BJ Services-CP sds	\$26,482
Frac water	\$600
IPC Supervision	\$100

Max TP: 2395 Max Rate: 30 BPM Total fluid pmpd: 584 bbls

Avg TP: 1900 Avg Rate: 29 BPM Total Prop pmpd: 99,000#

ISIP: 1860 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$28,446

TOTAL WELL COST: \$190,967



DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/29/00 Completion Day: 03(b)
 Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
 Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EQT: 0 BP/Sand PBDT: 6016'
 BP/Sand PBDT: 5700'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sds	5479-5493'	4/56	CP 0.5 sd	5790-5796'	4/24
A1 sds	5495-5498'	4/12	CP 0.5 sd	5798-5802'	4/16
			CP 1 sds	5827-5842'	4/60
			CP 2 sds	5892-5896'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: 28-Sep-00 SITP: SICP: 500

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Set plug @ 5700'. Bleed pressure off well. Rec est 2 BTF. Perf A1 sds @ 5479-93' & 5495-98' W/ 4 JSPF. RD WLT. RU BJ Services and frac A1 sds W/ 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke dn @ 3680 psi. Treated @ ave press of 2200 psi W/ ave rate of 29 BPM. ISIP-2250 psi. RD BJ. Flowback frac on 12/64 choke @ 1 BPM for 2 hrs & died. Rec 78 BTF (est 20% of frac load). SIFN W/ est 744 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 433 Starting oil rec to date: 0
 Fluid lost/recovered today: 311 Oil lost/recovered today: 0
 Ending fluid to be recovered: 744 Cum oil recovered: 0
 IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
 Company: BJ Services

Procedure or Equipment detail:

- 2000 gals of pad
- 1500 gals W/ 1-5 ppg of 20/40 sand
- 7000 gals W/ 5-8 ppg of 20/40 sand
- 2420 gals W/ 8 ppg of 20/40 sand
- Flush W/ 3486 gals of slick water

COSTS

KES rig	\$1,134
RBP rental	\$600
BJ Services-A1 sds	\$13,766
Schlumberger-A1 sds	\$3,356
Frac water	\$800
IPC Supervision	\$100

Max TP: 2940 Max Rate: 30 BPM Total fluid pmpd: 391 bbls
 Avg TP: 2200 Avg Rate: 29 BPM Total Prop pmpd: 66,000#
 ISIP: 2250 5 min: 10 min: 15 min:
 Completion Supervisor: Gary Dietz

DAILY COST: \$19,756
 TOTAL WELL COST: \$210,723



DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/30/00 Completion Day: 04(a)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBDT: 5700'
BP/Sand PBDT: 5367'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B2 sds	<u>5294-5298'</u>	<u>4/16</u>	A1 sds	<u>5495-5498'</u>	<u>4/12</u>
B2 sds	<u>5313-5322'</u>	<u>4/36</u>	CP 0.5 sd	<u>5790-5796'</u>	<u>4/24</u>
B2 sds	<u>5324-5350'</u>	<u>4/104</u>	CP 0.5 sd	<u>5798-5802'</u>	<u>4/16</u>
B2 sds	<u>5357-5364'</u>	<u>4/28</u>	CP 1 sds	<u>5827-5842'</u>	<u>4/60</u>
A1 sds	<u>5479-5493'</u>	<u>4/56</u>	CP 2 sds	<u>5892-5896'</u>	<u>4/16</u>

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Sep-00 SITP: _____ SICP: 0

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Tag sd @ 5367'. Set plug @ 5367'. Perf B2 sds @ 5294-98', 5313-22', 5324-50' & 5357-64' W/ 4 JSPF. (4 runs total). RU BJ Services and frac B2 sds W/ 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke dn @ 2990 psi. Treated @ ave press of 2000 psi W/ ave rate of 29.5 BPM. ISIP-2000 psi. RD BJ. Flow frac back on 12/64" choke @ 1 BPM. Flowed btms up plus add'l 53 bbls to be free of sand. Flowed total of 135 bbls (est 18% of frac load. Final flowing pressure @ 550 psi. SI well. RD BJ. Est 1351 BWTR.

See day 4(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 744 Starting oil rec to date: 0
Fluid lost/recovered today: 607 Oil lost/recovered today: 0
Ending fluid to be recovered: 1351 Cum oil recovered: 0
IFL: _____ FFL: _____ FTP: _____ Choke: 12/64 Final Fluid Rate: _____ Final oil cut 0

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

Procedure or Equipment detail:

- 6000 gals of pad
- 3000 gals W/ 1-5 ppg of 20/40 sand
- 16000 gals W/ 5-8 ppg of 20/40 sand
- 2756 gals W/ 8 ppg of 20/40 sand
- Flush W/ 3402 gals of slick water

COSTS

KES rig	<u>\$988</u>
BOP	<u>\$130</u>
BJ Services-B2 sds	<u>\$32,409</u>
Schlumberger-B2 sds	<u>\$3,778</u>
Frac water	<u>\$800</u>
RBP rental	<u>\$600</u>
IPC Supervision	<u>\$100</u>

Max TP: 2480 Max Rate: 30 BPM Total fluid pmpd: 742 bbls
Avg TP: 2000 Avg Rate: 29.5 BPM Total Prop pmpd: 138,000#
ISIP: 2000 5 min: _____ 10 min: _____ 15 min: _____
Completion Supervisor: Gary Dietz

DAILY COST: \$38,805
TOTAL WELL COST: \$249,528



DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 **Report Date:** 9/30/00 **Completion Day:** 04(b)
Operation: New completion **Rig:** KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EQT @: 0 BP/Sand PBDT: 5700'
BP/Sand PBDT: 5367'
BP/Sand PBDT: 5150'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	<u>5114-5118'</u>	<u>4/16</u>	A1 sds	<u>5495-5498'</u>	<u>4/12</u>
B2 sds	<u>5294-5298'</u>	<u>4/16</u>	CP 0.5 sd	<u>5790-5796'</u>	<u>4/24</u>
B2 sds	<u>5313-22',24-50'</u>	<u>4/140</u>	CP 0.5 sd	<u>5798-5802'</u>	<u>4/16</u>
B2 sds	<u>5357-5364'</u>	<u>4/28</u>	CP 1 sds	<u>5827-5842'</u>	<u>4/60</u>
A1 sds	<u>5479-5493'</u>	<u>4/56</u>	CP 2 sds	<u>5892-5896'</u>	<u>4/16</u>

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Sep-00 **SITP:** 550 **SICP:** 550

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Set RPB @ 5150'. Bleed well pressure off. Rec est 2 BTF. Perf C sds @ 5114-18' W/ 4 JSPF RD W/T. RU BJ Services and frac C sds W/ 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke dn @ 3088 psi. Treated @ ave press of 2800 psi W/ ave rate of 29 BPM. ISIP-2500 psi. RD BJ. Flowback frac on 12/64 choke for 1 1/2 hrs & died. Rec 59 BTF (est 27% of frac load). SIFN W/ est 1507 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1351 Starting oil rec to date: 0
Fluid lost/recovered today: 156 Oil lost/recovered today: 0
Ending fluid to be recovered: 1507 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail:

- 1500 gals of pad
- 1000 gals W/ 1-5 ppg of 20/40 sand
- 3000 gals W/ 5-8 ppg of 20/40 sand
- 326 gals W/ 8 ppg of 20/40 sand
- Flush W/ 3276 gals of slick water

COSTS

<u>KES rig</u>	<u>\$988</u>
<u>RBP rental</u>	<u>\$600</u>
<u>BJ Services-C sds</u>	<u>\$7,830</u>
<u>Schlumberger-C sds</u>	<u>\$1,472</u>
<u>Frac water</u>	<u>\$400</u>
<u>Frac tks (5 X 4 days)</u>	<u>\$800</u>
<u>Frac head rental</u>	<u>\$200</u>
<u>Fuel gas (+/- 500mcf)</u>	<u>\$2,375</u>
<u>IPC Supervision</u>	<u>\$100</u>

Max TP: 3480 Max Rate: 29.5 BPM Total fluid pmpd: 30,300#

Avg TP: 2800 Avg Rate: 29 BPM Total Prop pmpd: 217 bbls

ISIP: 2500 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$14,765

TOTAL WELL COST: \$264,293



RESOURCES INC.

DAILY DRILLING REPORT

Attachment G-4
Page 1 of 13

GREATER BDRY FED 11-28-8-17

NE/SW Section 28 - T8S - R17E
Duchesne Co., UT
API # 43-013-32134

Spud Dat
TD
Drig Rig UNION #14

Report Date 8/28/00 Days Since Spud 1 Depth: 321 Footage 321'

Time	Operation
5.00	HRS MIRU UNION RIG #14 on 08/27/00
1.00	HRS Drill MH & RH. Drill 20' of 17.5" hole, set 20' of 13-3/8" conductor pipe
0.00	HRS SPUD WELL @ 12:30 P.M. on 08/27/00.
1.50	HRS NU flow line & air bowl
6.50	HRS Drill 12-1/4" hole to 321'
1.00	HRS C & C, TOH w/ drill pipe, pull 13-3/8" conductor
0.75	HRS TIH w/ 8-5/8" J-55 24# csg (291.06') landed @ 302.91' KB
1.00	HRS RU BJ Cement w/ 20 bbls dye wtr, 20 bbls gel, 141 sx Class G cmt w/ 2% CaCL2
0.00	HRS mixed @ 15.8 ppg @ 1.17 yield. Plug dn @ 1:42 A.M. on 08/28/00 est 1/2 bbl to sfc
4.00	HRS WOC
0.25	HRS Breakout landing jt start NU BOPs

Daily Cost \$10,615 Cumulative Cost \$10,615

Report Date 8/29/00 Days Since Spud 2 Depth: 1165 Footage 844'

Time	Operation
3.25	HRS Finish NU BOP stack & choke manifold
3.75	HRS RU Quick Test press test BOP, kelly, kelly cock & choke to 2000 psi. Test sfc csg to 1500 psi
1.50	HRS TIH w/ bit#3 & BHA. Drill out cmt & shoe
4.25	HRS Drill 7-7/8" hole f/ 321 to 542'
0.50	HRS Survey
1.50	HRS Drill 7-7/8" hole f/ 542' to 633'
0.75	HRS Change air head rubber, x-o to drill pipe
6.00	HRS Drill 7-7/8" hole f/ 633' to 1034'
0.25	HRS Survey
2.25	HRS Drill 7-7/8" hole f/ 1034' to 1165'

Daily Cost \$15,452 Cumulative Cost \$26,067

Report Date 8/30/00 Days Since Spud 3 Depth: 2764 Footage 1599'



RESOURCES INC.

DAILY DRILLING REPORT

Attachment G-4
Page 2 of 13

Time	Operation
2.00 HRS	Drilling f/ 1165' to 1344'
1.00 HRS	Rig Service
3.00 HRS	Drilling f/ 1344' to 1560
0.25 HRS	Survey
7.00 HRS	Drilling f/ 1560' to 2052'
0.50 HRS	Rig service & survey
6.25 HRS	Drilling f/ 2052' to 2548'
0.50 HRS	Rig service & survey
3.50 HRS	Drilling f/ 2548' to 2764'

Daily Cost \$18,108 Cumulative Cost \$44,175

Report Date 8/31/00 Days Since Spud 4 Depth: 3806 Footage 1042'

Time	Operation
2.75 HRS	Drilling f/ 2764' to 3011'
1.00 HRS	Rig service & survey
8.25 HRS	Drilling f/ 3011' to 3502'
0.25 HRS	Rig service
5.50 HRS	Drilling f/ 3502' to 3806'
0.25 HRS	Clean hole
1.00 HRS	Load hole w/ wtr
2.50 HRS	Survey & TOH
2.50 HRS	TIH w/ MM & Bit #4

Daily Cost \$11,870 Cumulative Cost \$56,045

Report Date 9/1/00 Days Since Spud 5 Depth: 4684 Footage 878'

Time	Operation
0.25 HRS	Finish TIH w/ MM & Bit #4
0.75 HRS	Ream 60' to bottom
1.00 HRS	Drilling f/ 3806' to 3867'
0.50 HRS	Rig Service
8.75 HRS	Drilling f/ 3867' to 4327'
0.75 HRS	Survey
8.00 HRS	Drilling f/ 4327' to 4674'
3.50 HRS	Survey & TOH
0.50 HRS	Drilling f/ 4674' to 4684'

Daily Cost \$11,934 Cumulative Cost \$67,979

Report Date 9/2/00 Days Since Spud 6 Depth: 5605 Footage 921'



DAILY DRILLING REPORT

Time	Operation
2.25 HRS	Drill 7-7/8" hole f/ 4684' to 4822'
1.00 HRS	Rig service & survey 2* @ 4750'
4.25 HRS	Drill 7-7/8" hole f/ 4822' to 5005'
7.75 HRS	Drill 7-7/8" hole f/ 5005' to 5316'
0.75 HRS	RR - mud pump
0.50 HRS	Rig service
7.50 HRS	Drill 7-7/8" hole f/ 5316' to 5605'

Daily Cost \$10,516 Cumulative Cost \$78,495

Report Date 9/3/00 Days Since Spud 7 Depth: 6059 Footage 454'

Time	Operation
2.50 HRS	Drill 7-7/8" hole w/ fluid to a depth of 5781'
0.75 HRS	Rig service & survey
6.50 HRS	Drill 7-7/8" hole w/ fluid to a depth of 6027'
3.00 HRS	R & R mud pump
0.75 HRS	Drill 7-7/8" hole w/ fluid to a depth of 6059' TD'd well @ 7:30 p.m. on 09/02/00
1.00 HRS	C & C hole 1.5x
0.25 HRS	Run survey @ 5993'
6.00 HRS	LD drill string & BHA
3.50 HRS	RU loggers & run Dual Induction/Guard log / SP Compensated Density &
0.00 HRS	Neutron Gamma Ray / Caliper log

Daily Cost \$12,923 Cumulative Cost \$91,418

Report Date 9/4/00 Days Since Spud 8 Depth: 6119 Footage 309'

Time	Operation
0.00 HRS	Con't to run logs
0.00 HRS	PU & MU 4-1/2" Guide shoe, 1 jt Float collar, 134 jts 11.6#, J-55 csg @ 6059.85 KB
0.00 HRS	Cement as follows: 20 bbls dye, 20 bbls Mud Clean II, 350 sx Prem Lite II w/ 10% gel
0.00 HRS	& 3% KCL mixed @ 11 ppg > 3.43 YLD, 580 sx 50/50 poz w/ 2% gel & 3% KCL mixed @ 14.4 ppg > 1.24 YLD.
0.00 HRS	When pumpg 2nd pod of lead cmt bulk delivery system had mechanical problems.
0.00 HRS	Flush cmt & hole volume to pit. Stoke csgn & circ hole till problems fixed.
0.00 HRS	Cmt as follows: 20 bbls dye, 20 bbls Mud Clean II.
0.00 HRS	350 sx Prem Lite II w/ 10% gel & 3% KCL mixed @ 11 ppg > 3.43 YLD
0.00 HRS	580 sx 50/50 poz w/ 2% gel & 3% KCL mixed @ 14.4 ppg > 1.24 YLD.
0.00 HRS	Plug was down @ 6:30 p.m. on 09/03/00.
0.00 HRS	Nipple down BOP's Drop slips w/ 57,000# string weight.
0.00 HRS	Clean & dump pits. Release rig @ 10:00 on 09/03/00.

Daily Cost \$45,587 Cumulative Cost 137,005



Attachment G-4
Page 4 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 **Report Date:** 9/27/00 **Completion Day:** 01
Present Operation: Tag PBSD/Perf CP sds **Rig:** KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' **Prod Csg:** 4 1/2" 11.6# @ 6060' **Csg PBSD:** _____
Tbg: **Size:** 2 3/8 **Wt:** 4.7# **Grd:** J-55 **Pkr/EOT @:** 696' **BP/Sand PBSD:** _____

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 26-Sep-00 **SITP:** _____ **SICP:** 0

MIRU KES #965. Install 5M frac head. NU 5M BOP. Pressure test csg, blind rams, csg valves & frac head seal to 3000 psi. Tally, drift, PU & TIH W/ 3 7/8" bit, 4 1/2" csg scraper & 22 jts 2 3/8 8rd 4.7# J-55 tbg. SIFN W/ EOT @ 696'.

□

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 **Starting oil rec to date:** 0
Fluid lost/recovered today: 0 **Oil lost/recovered today:** 0
Ending fluid to be recovered: 0 **Cum oil recovered:** 0
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: _____ **Job Type:** _____
Company: _____
Procedure or Equipment detail:

KES rig	\$858
BOP	\$130
Water & truck	\$200
Trucking	\$1,000
Loc. Preparation	\$300
Tbg head	\$1,500
Tbg	\$13,960
CBL	\$1,550
HO trk	\$250
Rst labor	\$300
Csg scraper	\$250
Drilling cost	\$137,005
IPC Supervision	\$200
DAILY COST:	\$157,503
TOTAL WELL COST:	\$157,503

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** _____
Avg TP: _____ **Avg Rate:** _____ **Total Prop pmpd:** _____
ISIP: _____ **5 min:** _____ **10 min:** _____ **15 min:** _____
Completion Supervisor: Gary Dietz



DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/28/00 Completion Day: 02
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBTD: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBTD: 6016'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP 0.5 sd	5790-5796'	4/24			
CP 0.5 sd	5798-5802'	4/16			
CP 1 sds	5827-5842'	4/60			
CP 2 sds	5892-5896'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Sep-00 SITP: SICP: 0

Con't Tally, drift, PU & TIH W/ 3 7/8" bit, 4 1/2" csg scraper & total of 185 jts 2 3/8 8rd 4.7# J-55 tbg. Tag PBTD @ 6016'. Pull EOT to 5962'. Swab FL dn to 5300'. TOH W/ tbg. LD bit & scraper. RU Schlumberger and perf CP 0.5 sds @ 5790-96' & 5798-5802' W/ 4 JSPF. Perf CP1 sds @ 5827-5842' & CP2 sds @ 5892-96' W/ 4 JSPF. RDWLT. SIFN W/ 11 BWTR.

□

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 11 Starting oil rec to date: 0
Fluid lost/recovered today: 0 Oil lost/recovered today: 0
Ending fluid to be recovered: 11 Cum oil recovered: 0
IFL: sfc FFL: 5300' FTP: Choke: Final Fluid Rate: Final oil cut: 0

STIMULATION DETAIL

COSTS

Base Fluid used: <u> </u> Job Type: <u> </u>	KES rig	\$1,991
Company: <u> </u>	BOP	\$130
Procedure or Equipment detail:	Treat-O-Clay	\$125
<u> </u>	Schlumberger-CP sds	\$2,572
<u> </u>	IPC Supervision	\$200
<u> </u>		

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: 5,018
TOTAL WELL COST: \$162,521



DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/29/00 Completion Day: 03(a)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBTD: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EQT @: 0 BP/Sand PBTD: 6016'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP 0.5 sd	5790-5796'	4/24			
CP 0.5 sd	5798-5802'	4/16			
CP 1 sds	5827-5842'	4/60			
CP 2 sds	5892-5896'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 28-Sep-00 SITP: SICP: 0

NU BJ Services "Ram head" flange. RU BJ Services and frac CP sds W/ 99,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke dn @ 3830 psi. Treated W/ ave press of 1900 psi W/ ave rate of 29 BPM. ISIP-1860 psi. Begin flowing frac back on 12/64" choke @ 1 BPM. Flowed btms up, recovered underflush. Watch add'l 72 bbls to be free of sand. Total flowed-162 bbls (est 28% of frac load) in 4 hrs. Final flowing pressure @ 500 psi. SI well. RD BJ. Est 433 BWTR.

See day 3(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 11 Starting oil rec to date: 0
Fluid lost/recovered today: 422 Oil lost/recovered today: 0
Ending fluid to be recovered: 433 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

COSTS

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services

KES rig	\$1,134
BOP	\$130
BJ Services-CP sds	\$26,482
Frac water	\$600
IPC Supervision	\$100

Procedure or Equipment detail:

- 5000 gals of pad
- 2000 gals W/ 1-5 ppg of 20/40 sand
- 10,500 gals W/ 5-8 ppg of 20/40 sand
- 3334 gals W/ 8 ppg of 20/40 sand
- Flush W/ 3696 gals of slick water

Max TP: 2395 Max Rate: 30 BPM Total fluid pmpd: 584 bbls
Avg TP: 1900 Avg Rate: 29 BPM Total Prop pmpd: 99,000#
ISIP: 1860 5 min: 10 min: 15 min:
Completion Supervisor: Gary Dietz

DAILY COST: \$28,446
TOTAL WELL COST: \$190,967



Attachment G-4
Page 1 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/29/00 Completion Day: 03(b)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBDT: 6016'
BP/Sand PBDT: 5700'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A1 sds	5479-5493'	4/56	CP 0.5 sd	5790-5796'	4/24
A1 sds	5495-5498'	4/12	CP 0.5 sd	5798-5802'	4/16
			CP 1 sds	5827-5842'	4/60
			CP 2 sds	5892-5896'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: 28-Sep-00 SITP: _____ SICP: 500

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Set plug @ 5700'. Bleed pressure off well. Rec est 2 BTF. Perf A1 sds @ 5479-93' & 5495-98' W/ 4 JSPF. RD WLT. RU BJ Services and frac A1 sds W/ 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke dn @ 3680 psi. Treated @ ave press of 2200 psi W/ ave rate of 29 BPM. ISIP-2250 psi. RD BJ. Flowback frac on 12/64 choke @ 1 BPM for 2 hrs & died. Rec 78 BTF (est 20% of frac load). SIFN W/ est 744 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 433 Starting oil rec to date: 0
Fluid lost/recovered today: 311 Oil lost/recovered today: 0
Ending fluid to be recovered: 744 Cum oil recovered: 0
IFL: _____ FFL: _____ FTP: _____ Choke: 12/64 Final Fluid Rate: _____ Final oil cut 0

STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac
Company: BJ Services
Procedure or Equipment detail:
2000 gals of pad
1500 gals W/ 1-5 ppg of 20/40 sand
7000 gals W/ 5-8 ppg of 20/40 sand
2420 gals W/ 8 ppg of 20/40 sand
Flush W/ 3486 gals of slick water

COSTS

KES rig \$1,134
RBP rental \$600
BJ Services-A1 sds \$13,766
Schlumberger-A1 sds \$3,356
Frac water \$800
IPC Supervision \$100

Max TP: 2940 Max Rate: 30 BPM Total fluid pmpd: 391 bbls
Avg TP: 2200 Avg Rate: 29 BPM Total Prop pmpd: 66,000#
ISIP: 2250 5 min: _____ 10 min: _____ 15 min: _____
Completion Supervisor: Gary Dietz

DAILY COST: \$19,756
TOTAL WELL COST: \$210,723



Attachment G-4
Page 8 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/30/00 Completion Day: 04(a)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBDT: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBDT: 5700'
BP/Sand PBDT: 5367'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B2 sds	<u>5294-5298'</u>	<u>4/16</u>	A1 sds	<u>5495-5498'</u>	<u>4/12</u>
B2 sds	<u>5313-5322'</u>	<u>4/36</u>	CP 0.5 sd	<u>5790-5796'</u>	<u>4/24</u>
B2 sds	<u>5324-5350'</u>	<u>4/104</u>	CP 0.5 sd	<u>5798-5802'</u>	<u>4/16</u>
B2 sds	<u>5357-5364'</u>	<u>4/28</u>	CP 1 sds	<u>5827-5842'</u>	<u>4/60</u>
A1 sds	<u>5479-5493'</u>	<u>4/56</u>	CP 2 sds	<u>5892-5896'</u>	<u>4/16</u>

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Sep-00 SITP: SICP: 0

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Tag sd @ 5367'. Set plug @ 5367'. Perf B2 sds @ 5294-98, 5313-22, 5324-50' & 5357-64' W/ 4 JSPF (4 runs total). RU BJ Services and frac B2 sds W/ 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke dn @ 2990 psi. Treated @ ave press of 2000 psi W/ ave rate of 29.5 BPM. ISIP-2000 psi. RD BJ. Flow frac back on 12/64" choke @ 1 BPM. Flowed btms up plus add'l 53 bbls to be free of sand. Flowed total of 135 bbls (est 18% of frac load. Final flowing pressure @ 550 psi. SI well. RD BJ. Est 1351 BWTR.

See day 4(b)

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 744 Starting oil rec to date: 0
Fluid lost/recovered today: 607 Oil lost/recovered today: 0
Ending fluid to be recovered: 1351 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

COSTS

Base Fluid used: Viking I-25 Job Type: Sand frac KES rig \$988
Company: BJ Services BOP \$130

Procedure or Equipment detail:	Cost
<u>6000 gals of pad</u>	<u>BJ Services-B2 sds \$32,409</u>
<u>3000 gals W/ 1-5 ppg of 20/40 sand</u>	<u>Schlumberger-B2 sds \$3,778</u>
<u>16000 gals W/ 5-8 ppg of 20/40 sand</u>	<u>Frac water \$800</u>
<u>2756 gals W/ 8 ppg of 20/40 sand</u>	<u>RBP rental \$600</u>
<u>Flush W/ 3402 gals of slick water</u>	<u>IPC Supervision \$100</u>

Max TP: 2480 Max Rate: 30 BPM Total fluid pmpd: 742 bbls
Avg TP: 2000 Avg Rate: 29.5 BPM Total Prop pmpd: 138,000#
ISIP: 2000 5 min: 10 min: 15 min:
Completion Supervisor: Gary Dietz

DAILY COST: \$38,805
TOTAL WELL COST: \$249,528



Attachment G-4
Page 9 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 9/30/00 Completion Day: 04(b)
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBTD: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBTD: 5700'
BP/Sand PBTD: 5367'
BP/Sand PBTD: 5150'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	<u>5114-5118'</u>	<u>4/16</u>	A1 sds	<u>5495-5498'</u>	<u>4/12</u>
B2 sds	<u>5294-5298'</u>	<u>4/16</u>	CP 0.5 sd	<u>5790-5796'</u>	<u>4/24</u>
B2 sds	<u>5313-22',24-50'</u>	<u>4/140</u>	CP 0.5 sd	<u>5798-5802'</u>	<u>4/16</u>
B2 sds	<u>5357-5364'</u>	<u>4/28</u>	CP 1 sds	<u>5827-5842'</u>	<u>4/60</u>
A1 sds	<u>5479-5493'</u>	<u>4/56</u>	CP 2 sds	<u>5892-5896'</u>	<u>4/16</u>

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Sep-00 SITP: SICP: 550

RU Schlumberger to run 4 1/2" HE RBP & 3 1/8" perf guns. Set RPB @ 5150'. Bleed well pressure off. Rec est 2 BTF. Perf C sds @ 5114-18' W/ 4 JSPF RD W/T. RU BJ Services and frac C sds W/ 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke dn @ 3088 psi. Treated @ ave press of 2800 psi W/ ave rate of 29 BPM. ISIP-2500 psi. RD BJ. Flowback frac on 12/64 choke for 1 1/2 hrs & died. Rec 59 BTF (est 27% of frac load). SIFN W/ est 1507 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1351 Starting oil rec to date: 0
Fluid lost/recovered today: 156 Oil lost/recovered today: 0
Ending fluid to be recovered: 1507 Cum oil recovered: 0
IFL: FFL: FTP: Choke: 12/64 Final Fluid Rate: Final oil cut 0

STIMULATION DETAIL

COSTS

STIMULATION DETAIL	COSTS
Base Fluid used: <u>Viking I-25</u> Job Type: <u>Sand frac</u>	KES rig <u>\$988</u>
Company: <u>BJ Services</u>	RBP rental <u>\$600</u>
Procedure or Equipment detail:	BJ Services-C sds <u>\$7,830</u>
<u>1500 gals of pad</u>	Schlumberger-C sds <u>\$1,472</u>
<u>1000 gals W/ 1-5 ppg of 20/40 sand</u>	Frac water <u>\$400</u>
<u>3000 gals W/ 5-8 ppg of 20/40 sand</u>	Frac tks (5 X 4 days) <u>\$800</u>
<u>326 gals W/ 8 ppg of 20/40 sand</u>	Frac head rental <u>\$200</u>
<u>Flush W/ 3276 gals of slick water</u>	Fuel gas (+/- 500mcf) <u>\$2,375</u>
	IPC Supervision <u>\$100</u>

Max TP: 3480 Max Rate: 29.5 BPM Total fluid pmpd: 30,300#
Avg TP: 2800 Avg Rate: 29 BPM Total Prop pmpd: 217 bbls
ISIP: 2500 5 min: 10 min: 15 min:

Completion Supervisor: Gary Dietz

DAILY COST: \$14,765
TOTAL WELL COST: \$264,293



Attachment G-4
Page 11 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 10/03/00 Completion Day: 06
Operation: New completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBTD: 6016'
Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 5954' BP/Sand PBTD: 6016'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	5114-5118'	4/16	A1 sds	5495-5498'	4/12
B2 sds	5294-5298'	4/16	CP 0.5 sd	5790-5796'	4/24
B2 sds	5313-22',24-50'	4/140	CP 0.5 sd	5798-5802'	4/16
B2 sds	5357-5364'	4/28	CP 1 sds	5827-5842'	4/60
A1 sds	5479-5493'	4/56	CP 2 sds	5892-5896'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2-Oct-00 SITP: 0 SICP: 0

TOH with 155 jt's tbg and RBP. TIH with NC & SN. Tag sand @ 5889'. RU & clean out to PBTD of 6016'.
TOH with 2 jt's tbg to put EOT @ 5954'. Rig up swab equipment and make 15 runs. Recovered 197 bbls water and 7 bbls oil. Starting fluid level was surface and final fluid level was 1700'. Average fluid level was 900'.
Lost 62 bbls water during clean out.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1617 Starting oil rec to date: 0
Fluid lost/recovered today: 135 Oil lost/recovered today: 7
Ending fluid to be recovered: 1482 Cum oil recovered: 7
IFL: 0 FFL: 1700 FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: 10%

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____
Company: _____
Procedure or Equipment detail:

COSTS

KES rig \$2,752
BOP \$130
IPC Supervision \$200

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____

Completion Supervisor: Pat Wisener

DAILY COST: \$3,082
TOTAL WELL COST: \$270,346



Attachment G-4
Page 13 of 13

DAILY COMPLETION REPORT

WELL NAME: GBF 11-28-8-17 Report Date: 10/5/00 Completion Day: 08
 Operation: New Completion Rig: KES #965

WELL STATUS

Surf Csg: 8 5/8 @ 303' Prod Csg: 4 1/2" 11.6# @ 6060' Csg PBTD: 6016'
 Tbg: Size: 2 3/8 Wt: 4.7# Grd: J-55 Pkr/EOT @: 5965' BP/Sand PBTD: 6014'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	5114-5118'	4/16	A1 sds	5495-5498'	4/12
B2 sds	5294-5298'	4/16	CP 0.5 sds	5790-5796'	4/24
B2 sds	5313-22',24-50'	4/140	CP 0.5 sds	5798-5802'	4/16
B2 sds	5357-5364'	4/28	CP1 sds	5827-5842'	4/60
A1 sds	5479-5493'	4/56	CP2 sds	5892-5896'	4/16

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Oct-00 SITP: 30 SICP: 50

Bleed gas off well. Flush tbg W/ 23 BW. PU & TIH W/ rod string as follows: New Axelson 2" X 1 1/2" X 16' RWAC pump, 4-1 1/2" weight rods, 10-3/4" scraped rods, 131-3/4" plain rods, 89-3/4" scraped rods, 2-8', 1-6', 1-2' X 3/4" pony rods, 1 1/4" X 22' polished rod. All rods "B" grade. Seat pump. RU pumping unit. Fill tbg W/ 2 BW. Press test pump & tbg to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Place well on production @ 11:30 AM 10/4/00 W/ 74" SL @ 5 SPM. Est 1410 BWTR.

FINAL REPORT!!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1385 Starting oil rec to date: 24
 Fluid lost/recovered today: 25 Oil lost/recovered today: _____
 Ending fluid to be recovered: 1410 Cum oil recovered: 24
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

COSTS:

PRODUCTION TBG DETAIL	ROD DETAIL		
KB 10.00'	1 1/4" X 22' polished rod	KES rig	\$1,440
177 2 3/8 J-55 tbg (5755.31')	2-8', 1-6', 1-2' X 3/4" ponies	Trucking	\$300
TA (3.20' @ 5765.31' KB)	89-3/4" scraped rods	Rod pump	\$1,050
4 2 3/8 J-55 tbg (129.75')	131-3/4" plain rods	"B" Grade rod string	\$6,236
SN (1.10' @ 5898.26' KB)	10-3/4" scraped rods	Pit reclaim	\$1,000
2 2 3/8 J-55 tbg (64.92')	4-1 1/2" weight rods	Water disposal	\$1,500
2 3/8 NC (.40')	Axelson 2" X 1 1/2" X 16'	Sfc equipment	\$77,064
EOT 5964.68' W/ 10' KB	RWAC pmp W/SM plunger	Loc. Cleanup	\$300
		HO trk	\$500
		Swab tank (7 days)	\$280
	"B" rods f/ Ashley 3-1-9-15	IPC Supervision	\$200

Completion Supervisor: Gary Dietz

DAILY COST: \$89,870
 TOTAL WELL COST: \$363,439

ATTACHMENT H
OPERATING DATA

Submit the following proposed operating data for each well (including all those to be covered by area permits): (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure; (3) nature of annulus fluid; and (4) for Class II wells, source and analysis of the physical and chemical characteristics of the injection fluid.

1. Estimated average daily rate is 300 BPD, and the estimated maximum daily rate is 500 BPD.
2. The average and maximum surface pressure will be determined upon testing.
3. Fresh water treated with scale inhibitor, oxygen scavenger, biocide (behind packer fluid).
4. The injected fluid is primarily culinary water from the Johnson Water District; in secondary cases the injected fluid will be culinary water from the Johnson Water District commingled with produced water. (See Attachments E-1 through E-4 for analysis).

ATTACHMENT M

CONSTRUCTION DETAILS

Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.

Attachment M-1 Wellbore schematic of Tar Sands Federal #11-28-8-17

Attachment M-2 Site Plan of Tar Sands Federal #11-28-8-17

Tar Sands Federal #11-28

Spud Date: 8/27/00
 Put on Production: 10/04/00
 GL: 5124' KB: 5134'

Initial Production: 54 BOPD,
 74 MCFPD, 19 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 306.91' (8 jts)
 DEPTH LANDED: 302.91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cmt with additives

PRODUCTION CASING

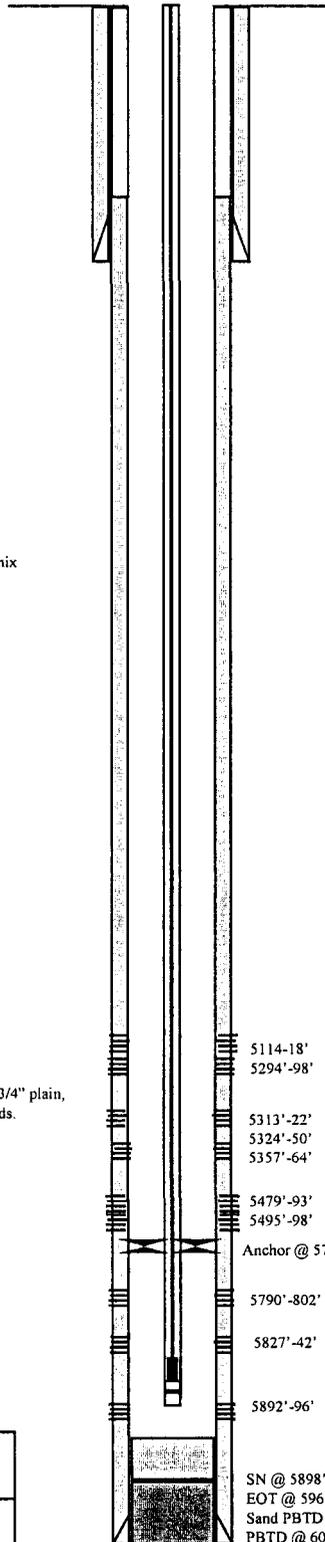
CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 135 jts (6063.85')
 DEPTH LANDED: 6059.85'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sx PremLite II; followed by 580 sx 50/50 Pozmix

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 183 jts
 TUBING ANCHOR: 5765.31'
 SEATING NIPPLE: 2-3/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 5964.68' w/10' KB
 SN LANDED AT: 5898.26' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' polished
 SUCKER RODS: 4 - 1-1/2" weight bars, 10 - 3/4" guided rods, 131 - 3/4" plain, 89 - 3/4" scraped, 2 - 8'x3/4", 1 - 6' x 3/4" and 1 - 3/4" x 2' pony rods.
 TOTAL ROD STRING LENGTH: ?
 PUMP SIZE: 2" x 1-1/2 x 16' RWAC pump
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: GR, SP, Spectral Density-Dual Spaced Neuron, CBL-GR



FRAC JOB

9/28/00 5790'-5896' **Frac CP-1 sand as follows:**
 99,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke down @ 3830 psi. Treated @ avg press of 1900 psi w/avg rate of 29 BPM. ISIP-1860 psi. Flowback on 12/64" choke for 4 hours.

9/28/00 5479'-5498' **Frac A-1 sand as follows:**
 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke down @ 3680 psi. Treated @ avg press of 2200 psi w/avg rate of 29 BPM. ISIP-2250 psi. Flowback on 12/64" choke for 2 hours and died. Rec 78 BTF.

9/29/00 5294'-5364' **Frac B-2 sand as follows:**
 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke down @ 2990 psi. Treated @ avg press of 2000 psi w/avg rate of 29.5 BPM. ISIP-2000 psi. Flowback on 12/64" choke @ 1 BPM. Flowed total of 135 bbls.

9/29/00 5114'-5118' **Frac C sand as follows:**
 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2800 psi w/avg rate of 29 BPM. ISIP 2500 psi. Flowed back on 12/64" choke for 1-1/2 hrs & died. Rec 59 BTF.

PERFORATION RECORD

Date	Depth	Perforation Type	Holes
9/29/00	5114'-18'	4 JSFP	16 holes
9/29/00	5294'-98'	4 JSFP	16 holes
9/29/00	5313'-22'	4 JSFP	36 holes
9/29/00	5324'-50'	4 JSFP	104 holes
9/29/00	5357'-64'	4 JSFP	28 holes
9/28/00	5479'-93'	4 JSFP	56 holes
9/28/00	5495'-98'	4 JSFP	12 holes
9/27/00	5790'-96'	4 JSFP	24 holes
9/27/00	5798'-802'	4 JSFP	16 holes
9/27/00	5827'-42'	4 JSFP	60 holes
9/27/00	5892'-96'	4 JSFP	16 holes

5114'-18'
 5294'-98'
 5313'-22'
 5324'-50'
 5357'-64'
 5479'-93'
 5495'-98'
 Anchor @ 5765'
 5790'-802'
 5827'-42'
 5892'-96'

SN @ 5898'
 EOT @ 5965'
 Sand PBTD @ 6014'
 PBTD @ 6016'
 TD @ 6081'



Inland Resources Inc.

Tar Sands Federal #11-28

1695 FSL 1882 FWL

NESW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-32134; Lease #U-76241

ATTACHMENT Q

PLUGGING AND ABANDONMENT PLAN

Submit a plan for plugging and abandonment of the well. Submit this information on EPA Form 7520-14, Plugging and Abandonment Plan.

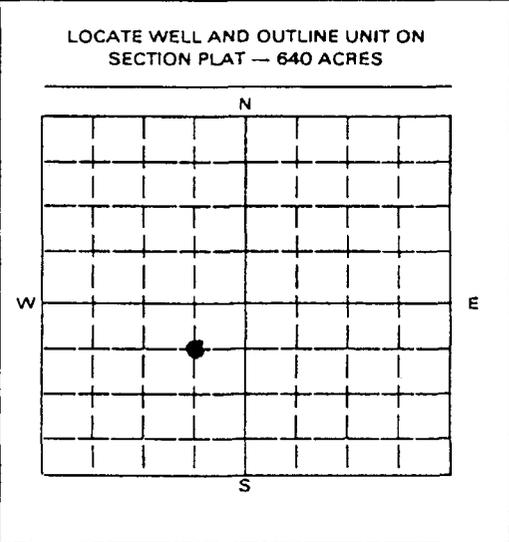
- | | |
|----------------|---|
| Attachment Q-1 | EPA Form 7520-14, Plugging and Abandonment Plan |
| Attachment Q-2 | Wellbore Schematic of Proposed Plugging and Abandonment |
| Attachment Q-3 | Work Procedure for Plugging and Abandonment |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY
Tar Sands Federal #11-28-8-17
Duchesne County, Utah

NAME AND ADDRESS OF OWNER/OPERATOR
Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202



STATE: Utah COUNTY: Duchesne PERMIT NUMBER: 43-013-32134

SURFACE LOCATION DESCRIPTION
¼ OF NE ¼ OF SW SECTION 28 TOWNSHIP 8S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT
Surface
Location _____ 1695 ft. from (N/S) _____ S _____ Line of quarter section
and _____ 1882 ft. from (E/W) _____ W _____ Line of quarter section

TYPE OF AUTHORIZATION

Individual Permit
 Area Permit
 Rule

Number of Wells _____ 1

Lease Name _____ Tar Sands Federal

WELL ACTIVITY

CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Well Number _____ #11-28-8-17

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
8-5/8"	24	307'	307'	12-1/4"
4-1/2"	11.6	6064'	6064'	7-7/8"

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
 The Dump Bailer Method
 The Two-Plug Method
 Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will be Placed (inches)	5-1/2"	5-1/2"	5-1/2"	5-1/2"	5-1/2"	annulus	
Depth to Bottom of Tubing or Drill Pipe (ft.)	6060'	6060'	6060'	6060'	6060'	6060'	
Sacks of Cement To Be Used (each plug)	35	70	30	15	10	10	
Slurry Volume To Be Pumped (cu. Ft.)							
Calculated Top of Plug (ft.)	5690'	5014'	2000'	253'	surface	surface	
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	15.8	15.8	15.8	15.8	15.8	15.8	
Type Cement or Other Material (Class III)	Class G						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
no open holes			

Estimated Cost to Plug Wells \$18,000

CERTIFICATION

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

NAME AND OFFICIAL TITLE (Please type or print)
Bill Pennington
Chief Financial Officer

SIGNATURE
Bill Pennington

DATE SIGNED
February 28, 2001

Tar Sands Federal #11-28

Spud Date: 8/27/00
 Put on Production: 10/04/00
 GL: 5124' KB: 5134'

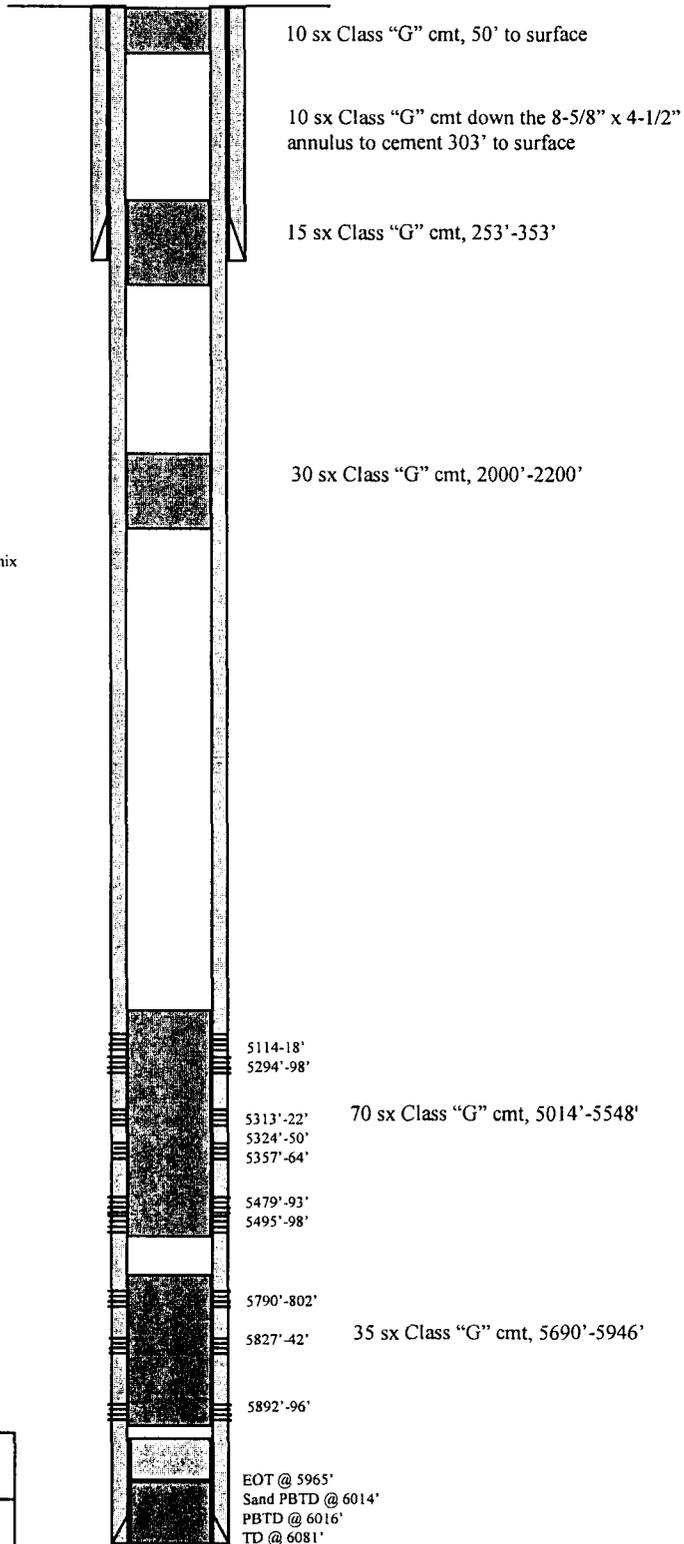
SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 306.91' (8 jts)
 DEPTH LANDED: 302.91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cmt with additives

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 135 jts (6063.85')
 DEPTH LANDED: 6059.85'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sx PremLite II; followed by 580 sx 50/50 Pozmix

Proposed P & A Wellbore Diagram



	Inland Resources Inc. Tar Sands Federal #11-28 1695 FSL 1882 FWL NESW Section 28-T8S-R17E Duchesne Co, Utah API #43-013-32134; Lease #U-76241
	EOT @ 5965' Sand PBTD @ 6014' PBTD @ 6016' TD @ 6081'

ATTACHMENT Q-3

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 256' plug from 5690'-5946' with 35 sxs Class "G" cement.
2. Plug #2 Set 534' plug from 5014'-5548' with 70 sxs Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
4. Plug #4 Set 100' plug from 253'-353' with 15 sxs Class "G" cement (50' above and 50' below casing shoe).
5. Plug #5 Set 50' plug from surface with 10 sxs Class "G" cement.
6. Plug #6 Pump 50 sxs Class "G" cement down the 8-5/8" x 4-1/2" annulus to cement to surface.

ATTACHMENT R
NECESSARY RESOURCES

Submit evidence such as a surety bond or financial statement to verify that the resources necessary to close, plug, or abandon the well are available.

Inland Production Company demonstrates financial responsibility by submitting annually the 10K financial report.



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

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

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

April 24, 2001

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Greater Boundary Unit Well: Tar Sands Federal 11-28-8-17, Section 28, Township 8 South, Range 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Tar Sands Fed. 11-28-8-17

Location: 28/8S/17E

API: 43-013-32134

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Boundary Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government and SITLA are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Greater Boundary Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 303 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6060 feet and has a cement top at 458'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 5081 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells and 4 water injection wells and 1 P&A well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 150 feet. Injection shall be limited to the interval between 5114 feet and 5896 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 11-28-8-17 well is .751 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1831 psig. The requested maximum pressure is 1831 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Tar Sands Fed. 11-28-8-17
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Boundary Unit on August 24, 1992 and revised it on April 4, 1998. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

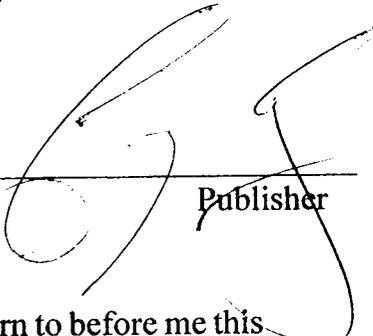
Reviewer(s): Brad Hill

Date 4/24/2001

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

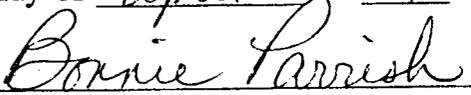
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 10 day of April, 2001, and that the last publication of such notice was in the issue of such newspaper dated the 10 day of April, 2001.



Publisher

Subscribed and sworn to before me this

12 day of April, 2001



Notary Public

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-271
BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TAR SANDS FEDERAL 11-28-8-17 AND 15-28-8-17 WELLS LOCATED IN SECTION 28, TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 11-28-8-17 and 15-28-8-17 wells, located in Section 28, Township 8 South, Range 17 East, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days fol-

Notary Public

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April, 2001.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza
Associate Director

Published in the Uintah
Basin Standard April 10,
2001.

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	04/09/01

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL82013S3E1
SCHEDULE	
START 04/09/01 END 04/09/01	
CUST. REF. NO.	
UIC-271	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
57 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	132.24
TOTAL COST	
132.24	

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

---ooOoo---

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TAR SANDS FEDERAL 11-28-8-17 AND 15-28-8-17 WELLS LOCATED IN SECTION 28 TOWNSHIP 8 SOUTH, RANGE 17 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELLS

: NOTICE OF AGENCY ACTION
: CAUSE NO. UIC-271

---ooOoo---

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Dated this 2nd day of April, 2001.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ John R. Baza
Associate Director

82013S3E

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DA...
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/09/01 END 04/09/01

SIGNATURE *John R. Baza*

DATE 04/09/01

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

Ref: 8P-W-GW

OCT - 7 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Mike Guinn
Vice President - Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84502

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

RE: ADDITIONAL WELL TO BOUNDARY AREA PERMIT
Tar Sands Federal No. 11-28-8-17
Well ID No. UT20702-04624
Boundary Area Permit UT20702-00000
Duchesne County, Utah

Dear Mr. Guinn:

The Inland Production Co. (Inland) request to convert a former Douglas Creek Member of the Green River Formation oil well, the Tar Sands Federal No. 11-28-8-17, to a Green River Formation Garden Gulch/Douglas Creek/Basal Carbonate Members enhanced recovery injection well, in the Boundary Area Permit, is hereby authorized. The proposed Tar Sands Federal No. 11-28-8-17 Class II enhanced recovery injection well is within the exterior boundary of Area Permit UT20702-00000; is within the exterior boundary of the Uintah & Ouray Indian Reservation; and the addition is being made under the authority of 40 CFR § 144.33 (c), and the terms of the Boundary Area Permit. Unless specifically mentioned in the enclosed Authorization For An Additional Well, all terms and conditions of the original Area Permit will apply to the conversion, operation, monitoring, and plugging of the Tar Sands Federal No. 11-28-8-17.

Prior to beginning injection, the Environmental Protection Agency (EPA) requires that Inland submit for review and approval (1) the results of a Part I (Internal) Mechanical Integrity Test (MIT), (2) a pore pressure calculation of the injection interval, and (3) an EPA Form No. 7520-12 (Well Rework Record, enclosed).

Pursuant to Part II. Section C. Condition No. 4, (Injection Pressure Limitation), Boundary Area Permit UT20702-00000, the initial surface injection pressure shall not exceed 1800 psig, but the initial maximum surface injection pressure of the Tar

RECORDED

OCT 09 2003

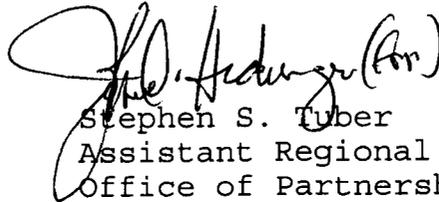
DIV. OF OIL, GAS & MINING

Sands Federal No. 11-28-8-17 shall not exceed 1615 psig. The Boundary Final Area Permit, Part II. C. 4., provides an opportunity for the permittee to request an increase, or decrease, in the initial maximum surface injection pressure.

Please be aware that Inland does not have authorization to begin injection into the Tar Sands Federal No. 11-28-8-17 until the Prior to Commencing Injection requirements, listed above, have been submitted and evaluated by the EPA, and Inland has received written authorization to begin injection from the Assistant Regional Administrator, or the Assistant Regional Administrator's authorized representative.

If Inland Production Company has any questions, please call Dan Jackson at (303) 312-6155 if in the Denver area, or 1.800.227.8917 (Ext. 6155) if calling from outside the Denver area. Please submit the required pre-authorization to inject data to the **ATTENTION: Dan Jackson**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

enclosures: Authorization For An Additional Well
Form No. 7520-12 (Well Rework Record)

cc w/enclosures: Ms. Maxine Natchees
Chairwoman
Uintah & Ouray Business Committee
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, UT 84026

Ms. Elaine Willie
Environmental Director
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, UT 84026

Mr. Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency
P.O. Box 130
Fort Duchesne, UT 84026

Mr. David Gerbig
Operations Engineer
Inland Production Company
410 Seventeenth Street - Suite 700
Denver, CO 80202

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84114-5801

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
170 South 500 East
Vernal, UT 84078



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

AUTHORIZATION FOR AN ADDITIONAL WELL
TO THE
BOUNDARY AREA PERMIT: UT20702-00000

The Environmental Protection Agency (EPA) authorizes the inclusion of an additional enhanced recovery injection well to the Boundary Area Permit No. UT20702-00000, as authorized by 40 CFR § 144.33 (c). The additional well is described as:

WELL NAME: TAR SANDS FEDERAL NO. 11-28-8-17 (TSF NO. 11-28)

WELL PERMIT NUMBER: UT20702-04624

SURFACE LOCATION: 1695' FSL & 1882' FWL (NE SW)
Sec. 28 - T8S - R17E
Duchesne County, Utah.

This well is subject to all provisions of the original Area Permit (UT20702-00000), and subsequent Modifications, unless specifically detailed below.

POSTPONEMENT OF CONVERSION: If the Tar Sands Federal No. 11-28-8-17 is not converted/completed for enhanced recovery within one (1) year from the effective date of this AUTHORIZATION FOR AN ADDITIONAL WELL TO THE BOUNDARY AREA PERMIT, this Authorization to convert will automatically expire **unless the permittee requests an extension**. The written request shall be made to the Director, and shall state the reasons for the delay in conversion/construction, and the permittee will confirm that all underground sources of drinking water (USDW) will be protected. **The extension under POSTPONEMENT OF CONVERSION may not exceed one (1) year.**

UNDERGROUND SOURCE OF DRINKING WATER (USDW): The base of the Uinta Formation USDW in the TSF No. 11-28 occurs approximately **124 feet** from the surface. The source for the location of the base of the Uinta Formation USDW is the STATE OF UTAH: PUBLICATION NO. 2. BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH. Surface casing was set at **303 feet** and cemented to the surface.

Documentation submitted with the application for a Boundary Area Permit, and this application for an Additional Well to the Area Permit, identify the total dissolved solids (TDS) of the produced Douglas Creek Member water as **11,550 mg/l**. The injectate (**600 mg/l**) is primarily source water from the Johnson Water District Reservoir and minimal produced water.



UNDERGROUND SOURCES OF DRINKING WATER (USDW) EXEMPTION:

There are no USDWs within the TSF No. 11-28 area-of-review (AOR) below the base of the Uinta Formation USWDs at 124 feet.. No Aquifer Exemption is required.

WATER WELLS AND/OR SPRINGS: ([HTTP://NRWRT1.NR.STATE.UT.US/](http://nrwrt1.nr.state.ut.us/))

RE: Water Rights. Queries. POD.

There are no domestic or agricultural water wells within the AOR of the TSF No. 11-28. There are no springs within this AOR.

CONFINING ZONE REVIEW: TSF No. 11-28

The EPA identifies the confining zone directly overlying the top of the **Garden Gulch Member** throughout the Boundary Area Permit as a 26-foot to a 160-foot shale zone. Depths to the top of the Garden Gulch confining interval vary from 4218 feet in the north to 3998 feet in the south. **The equivalent Garden Gulch Member confining zone thickness in the TSF No. 11-28 is fifty (50) feet, i.e., 3946 feet to 3896 feet .**

An EPA analysis of the TSF No. 11-28 CBL/GR identifies the uppermost continuous 80% bond index cement bond from 3165 feet to 3183 feet, 3215 feet to 3236 feet, and 3777 feet to 4355 feet. **There is continuous 80% cement bond (3777 feet to 4355 feet) above, across, and below the Garden Gulch confining zone (3946 feet to 3896 feet),** pursuant to standards of Region 8 GROUND WATER SECTION GUIDANCE NO. 34(Cement Bond Logging Techniques and Interpretation). Therefore, it **has been determined** that the cement in this well provides an effective barrier to significant upward movement of fluids through vertical channels adjacent to the wellbore (Part II Mechanical Integrity [MI]), pursuant to 40 CFR § 146.8 (a) (2). **The permittee will not be required to demonstrate Part II External MI** (Ground Water Section Guidance No. 37).

INJECTION ZONE REVIEW: TAR SANDS FEDERAL NO. 11-28-8-17

The injection interval shall consist of the Garden Gulch, Douglas Creek and Basal Carbonate Members of the Green River Formation. The approved injection interval of each individual injection well shall be determined by correlation to the Greater Monument Butte Area (GMBA) Type Log, designated as the Dual Laterolg and Compensated Density-Neutron-Gamma Ray log from the Federal No. 1-26-8-17 injection well (UT20702-04671) located in the NE NW Section 26 - T8S - R17E, Uintah County, Utah, API #42-047-31953. The GMBA Type Log shows that the injection interval in the Federal No. 1-26-8-17 injection well extends from a measured depth of 4164 feet to 6515 feet and the confining zone overlying the top of the injection zone (top of Garden Gulch Member) is the shale interval from 4117 feet to 4164 feet.

In the proposed **Tar Sands Federal No. 11-28-8-17** enhanced recovery injection facility, correlative Green River Formation Member tops are:

- Confining Zone at top of Garden Gulch Member.....3896 feet to 3946 feet
- Garden Gulch Member: 3946 feet
- Douglas Creek Member 4930 feet
- Driller Total Depth 6081 feet
- Basal Carbonate Member Estimated 6130 feet
- Estimated authorized total depth to top of Wasatch Fm. 6155 feet.

WELL CONSTRUCTION REVIEW: TAR SANDS FEDERAL NO. 11-28-8-17

SURFACE CASING: 8-5/8 inch casing is set at 303 feet ground level (GL) in a 12-1/4 inch hole using 141 sacks of Class "G" cement circulated to the surface. The Uinta Formation underground sources of drinking water (USDWs) are at a maximum 124 feet from the surface. Annulus cement and depth of surface casing are considered adequate to protect USDWs in this well.

LONGSTRING CASING: 5-1/2 inch casing is set at 6060 feet KB with 350 sacks of PremLite II, followed with 580 sacks of 50/50 Pozmix. The EPA analysis of the CBL/GR shows the critical interval of 80% cement bond index annulus cement as 3777 feet to 4355 feet (578 feet).

PART II. A. CONSTRUCTION REQUIREMENTS FOR ADDITIONAL WELLS

Tubing and Packer Specifications: (Condition 3)

For injection purposes, the **TSF No. 11-28** will be equipped with 2-7/8 tubing with a packer to be set at a depth no higher than 100 feet above the top perforation.

Formation Testing and Logging (Condition 6)

- (a) Upon conversion of the **TSF No. 11-28**, the permittee is required to determine the injection zone **fluid pore pressure** (static bottom hole pressure) prior to commencement of enhanced recovery injection operation. The results of this test shall be submitted to the EPA.
- (b) A **step-rate test (SRT)** shall be performed on the **TSF No. 11-28** within three (3) to six (6) months after injection operations were initiated. The results shall be submitted to the EPA. The permittee will contact the EPA prior to conducting the SRT to acquire the most current Guidance for conducting the SRT.

PART II. B. CORRECTIVE ACTION

As of September 2003, there is one (1) drilled and abandoned (D&A) Green River test, one (1) Douglas Creek Member oil well, and one (1) Garden Gulch/Douglas Creek Members oil well within the one-quarter (1/4) mile area-of-review (AOR). There are no staked/undrilled locations within the AOR.

Abandonment of the Tar Sands Federal No. 12-28 was approved by the Bureau of Land Management, Verna District Office, January 14, 1998. Surface restoration was approved September 9, 1998.

GARDEN GULCH-DOUGLAS CREEK MEMBER OIL WELL:

Tar Sands Federal No. 10-28-8-17 (NW SE Sec. 28-T8S-R17E)
The EPA compared the confining interval, overlying the top of the Garden Gulch Member, to the top of the 80% bond index cement bond, and the EPA has concluded that there is no EPA-acceptable annulus cement across the Garden Gulch confining interval. Therefore, pursuant to Part II. B., Boundary Area Permit, the permittee is required to monitor the **TSF No. 10-28** at least **once weekly** for indications of fluid at the surface behind longstring casing, or other indications of leakage. If any such leakage is discovered at the **TSF No. 10-28** injection into the **TSF No. 11-28** shall be halted immediately, and the Director notified pursuant to Part III, Sec. E. 10. of the Boundary Area Permit.

DOUGLAS CREEK MEMBER OIL WELL

Tar Sands Federal No. 14-28-8-17 (SE SW Sec. 28-T8S-R17E)
The EPA compared the confining interval, overlying the top of the Garden Gulch Member, to the top of the 80% bond index cement bond, and the EPA has concluded that there is no EPA-acceptable annulus cement across the Garden Gulch confining interval. Therefore, pursuant to Part II. B., Boundary Area Permit, the permittee is required to monitor the **TSF No. 14-28** at least **once weekly** for indications of fluid at the surface behind longstring casing, or other indications of leakage. If any such leakage is discovered at the **TSF No. 14-28** injection into the **TSF No. 11-28** shall be halted immediately, and the Director notified pursuant to Part III. Sec. E. 10. of the Boundary Area Permit.

PART II. C. WELL OPERATION

Prior to Commencing Injection (Additional Wells)

(Condition 2)

Tar Sands federal No. 11-28-8-17: This document is being issued without authority to inject. Prior to beginning injection, the operator is required to submit the following information for EPA review and written approval:

- (1) A successful **mechanical integrity test (MIT) Part I (Internal)**, as described in **GROUND WATER SECTION GUIDANCE NO. 39**;
- (2) a **pore pressure calculation** of the proposed injection zone; and
- (3) an EPA Form No. 7520-12 (**Well Rework Record**, enclosed).

Please be advised that all tests will be conducted following current EPA Guidelines. Current Guidelines may be obtained from the EPA upon request. Deviations from those Guidelines without written approval of the Director may result in denial of the survey/test.

Injection Interval

(Condition 3)

Injection shall be limited to the **gross Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation** 3946 feet (KB) to the estimated top of the Wasatch Formation at 6155 feet.

Injection Pressure Limitation

(Condition 4)

Pursuant to Final Area Permit UT20702-00000, Part II. Section C. 4. (b). the maximum surface injection pressure (MIP) shall not exceed 1800 psig. Until such time that a step-rate injectivity test (SRT) has been performed, reviewed, and approved by the EPA, the initial maximum surface injection pressure (MIP) for the Tar Sands Federal No. 11-28-8-17 shall not exceed **1615 psig**.

$$\begin{aligned}
 \text{FG} &= 0.751 \text{ (An FG in agreement with FGs proximate to TSF No. 11-28)} \\
 \text{D} &= 5114 \text{ feet (Depth to top perforation)} \\
 \text{SG} &= 1.005 \\
 0.433 &= \text{Density fresh water} \\
 \text{MIP} &= [0.751 - (0.433)(1.005)] 5114 = \underline{1615 \text{ psig}}
 \end{aligned}$$

Final Area Permit (UT20702-00000), has a provision whereby the operator may request an increase, or decrease, in the maximum surface injection pressure.

PART II. F. FINANCIAL RESPONSIBILITY

Demonstration of Financial Responsibility (FRD) (Condition 1)

The applicant has chosen to demonstrate financial responsibility for the Tar Sands Federal No. 11-28-8-17 within an Escrow Trust Account of \$60,000, which covers four (4) Inland proposed conversions to enhanced recovery injection. This financial instrument was reviewed and approved by the EPA.

PART III. E.

Reporting of Noncompliance: (Condition 10)

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

Twenty-Four Hour Noncompliance Reporting: (Condition 11)

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 VIII UIC Program Compliance and Enforcement Director**, or by contacting the **Region VIII Emergency Operations Center at 303.293.1788** if calling from outside the EPA Region VIII. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting:

(Condition 12)

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) at 1.800.424.8802 or 202.267.2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**.

Other Noncompliance:

(Condition 13)

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III. E.c.ii. of this Permit.

Other information:

(Condition 14)

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 to him.

APPENDIX C

PLUGGING AND ABANDONMENT: The Plugging and Abandonment (P&A) Plan (Application Attachment Q-2) submitted by the applicant has been reviewed and approved with a modification, by the EPA, of Plug No. 5. The P&A Plan, as modified, is consistent with EPA requirements to protect all USDWs. The permittee will place 9.2 ppg plugging gel or bentonite mud between all cement plugs.

PLUG NO. 1: Set a cement plug inside of the 5-1/2 inch casing from 5690 feet to 5946 feet.

PLUG NO. 2: Set a cement plug inside of the 5-1/2 inch casing from 5014 feet to 5548 feet.

PLUG NO. 3: Set a cement plug inside of the 5-1/2 inch casing from 2000 feet to 2000 feet.

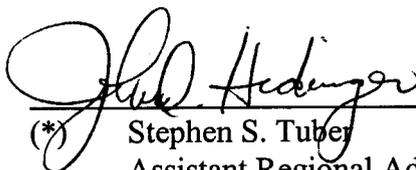
PLUG NO. 4: Set a cement plug inside of the 5-1/2 inch casing, from 253 feet to 353 feet.

PLUG NO. 5: Set a cement plug, on the backside of the 5-1/2 inch casing, from surface to a depth of 353 feet.

PLUG NO. 6: Set a cement plug, inside of the 5-1/2 inch casing, from the surface to a depth of 50 feet.

This authorization for well conversion only of the Tar Sands Federal No. 11-28-8-17 to an enhanced recovery injection well becomes effective upon signature.

Date: 10/3/03



(*) Stephen S. Tubey
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

(*) The person holding this title is referred to as the "Director" throughout this Authorization for an Additional Well to the Boundary Area Permit.

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

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> WELL GAS <input type="checkbox"/> WELL OTHER <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-76241 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A 7. UNIT AGREEMENT NAME GREATER BOUNDARY 8. FARM OR LEASE NAME GREATER BOUNDARY 11-28-8-17 9. WELL NO. GREATER BOUNDARY 11-28-8-17 10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/SW Section 28, T8S R17E	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY 3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		12. COUNTY OR PARISH DUCHESNE 13. STATE UT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/SW Section 28, T8S R17E 1695 FNU 1882 FWL		14. API NUMBER 43-013-32134 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5124 GR	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> Injection Conversion
(OTHER) <input type="checkbox"/>	

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

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted from a producing to an injecting well on 10/27/03. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 4433'. On 10/28/03 Mr. Dan Jackson w/EPA was contacted of the intent to conduct a MIT on the casing. On 10/30/03 the casing was pressured to 1090 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

RECEIVED
NOV 05 2003
DIV. OF OIL, GAS & MINING

18 I hereby certify that the foregoing is true and correct

SIGNED Krisha Russell TITLE Production Clerk DATE 11/3/2003
Krishna Russell

cc: BLM
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

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

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10 / 30 / 03
 Test conducted by: SPET HENZIE
 Others present: _____

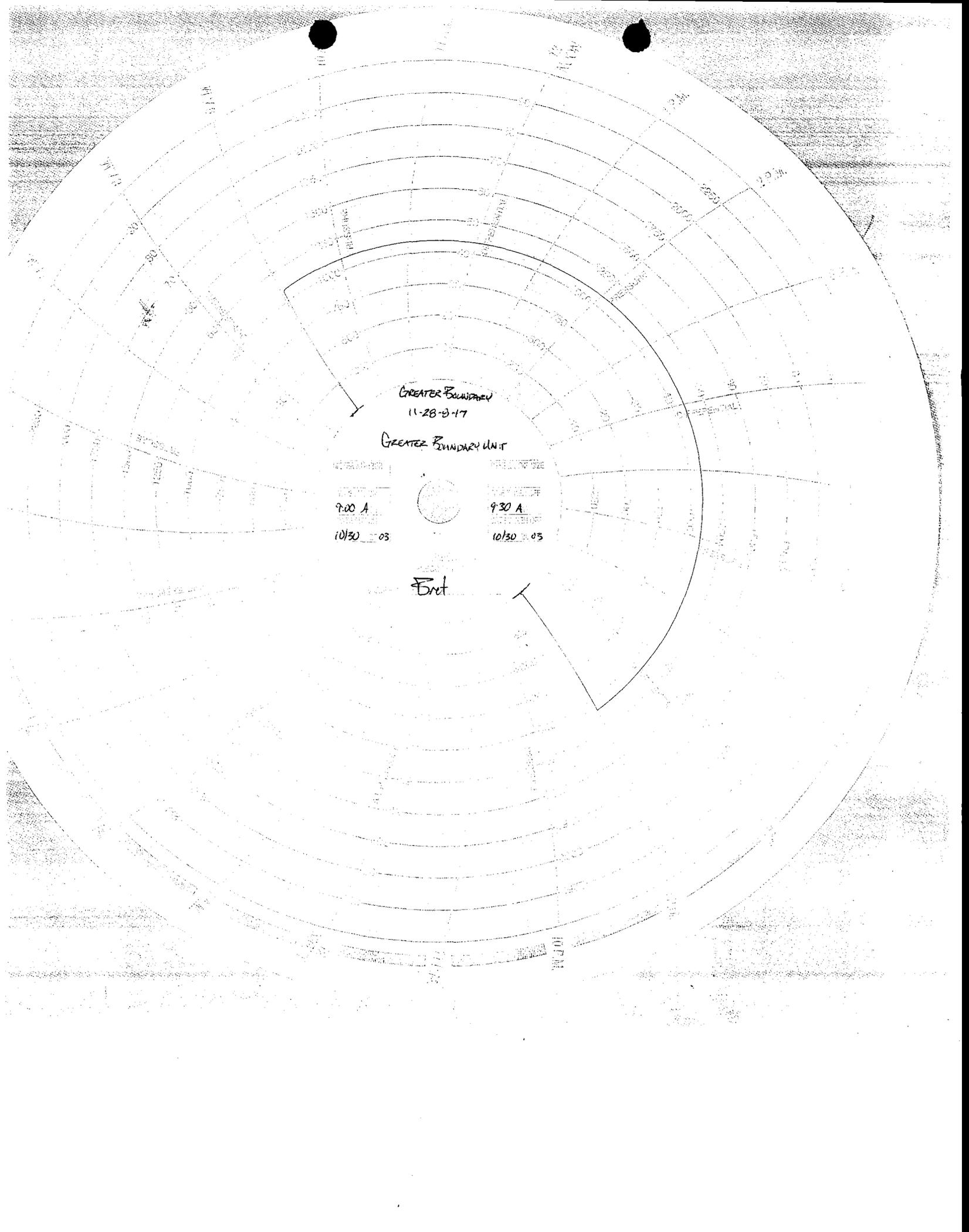
Well Name: <u>GREATER BOUNDARY FED 11-28 817</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GREATER BOUNDARY UNIT</u>		
Location: <u>NE1SW</u> Sec: <u>28</u> T <u>8</u> N/S R <u>17</u> E/W	County: <u>DICHESNE</u>	State: <u>UT</u>
Operator: <u>INLAND</u>		
Last MIT: <u>1 NA 1</u>	Maximum Allowable Pressure: <u>N/A</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	100 psig	psig	psig
End of test pressure	100 psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	1090 psig	psig	psig
5 minutes	1090 psig	psig	psig
10 minutes	1090 psig	psig	psig
15 minutes	1090 psig	psig	psig
20 minutes	1090 psig	psig	psig
25 minutes	1090 psig	psig	psig
30 minutes	1090 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



GREATER BOUNDARY UNIT
11-28-0-17

GREATER BOUNDARY UNIT

9:00 A

10/30 - 03



9:30 A

10/30 - 03

Bret





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
<http://www.epa.gov/region08>

DEC 30 2003

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. David Gerbig
Operations Engineer
Inland Production Company
1401 Seventeenth Street - Suite 1000
Denver, CO 80202

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

RE: UNDERGROUND INJECTION CONTROL (UIC)
Authority to Commence Injection
Well Permit No. UT20702-04624
Tar Sands Federal No. 11-28-8-17
Uintah County, Utah

Dear Mr. Gerbig:

Inland Production Company (Inland) has satisfactorily fulfilled all the Environmental Protection Agency's (EPA) **Prior to Commencing Injection** requirements in the Boundary Area Permit, UT20702-00000 (Effective February 8, 1994), and the **Additional Well to the Boundary Area Permit** (UT20702-04624: Effective October 7, 2003). The Part I (Internal) Mechanical Integrity Test (MIT), dated October 30, 2003, was received by the EPA on November 5, 2003. The MIT was reviewed and approved by the EPA on December 17, 2003.

The Well Rework Record (EPA Form No. 7520-12) was submitted to the EPA on November 5, 2003. The Well Rework Record was reviewed and approved December 17, 2003.

The pore pressure was submitted to the EPA on November 5, 2003. The pore pressure was reviewed and approved by the EPA on December 17, 2003.

Inland, as of the date of this letter, is authorized to commence injection into the Tar Sands Federal No. 11-28-8-17. There will be no limitation on the number of barrels of water that will be injected into the Green River Formation interval 3946 feet to the top of the Wasatch Formation, estimated to be 6400 feet. Until such time that the permittee demonstrates through a Step-Rate Injectivity Test that the fracture gradient is other than 0.751 psi/ft, the Tar Sands Federal No. 11-28-8-17 shall be operated at a **maximum surface injection pressure no greater than 1615 psig.**

JAN 02 2004



Printed on Recycled Paper

As of this approval, responsibility for Permit compliance and enforcement is transferred to the Region VIII UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

Mr. Nathan Wiser
Technical Enforcement Program - UIC
U.S. EPA Region VIII: Mail Code 8ENF-T
999-18th Street - Suite 300
Denver, CO 80202-2466
Phone: 1.800.227.8917 (Ext. 6211)

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of Area Permit UT20702-00000, and the Authorization to Add an Additional Well to the Boundary Area Permit (UT20702-04624). If you have any questions in regard to the above action, please contact Dan Jackson at 1.800.227.8917 (Ext. 6155).

Sincerely,



for Sandra A. Stavnes
Director
Ground Water Program

cc: Ms. Maxine Natchees
Chairwoman
Uintah & Ouray Business Council
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, UT 84026

Ms. Elaine Willie
Environmental Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, UT 84026

Mr. Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency
P.O. Box 130
Fort Duchesne, UT 84026

Mr. Mike Guinn
Inland Production Company
Vice President - Operations
Route 3 - Box 3630
Myton, UT 84502

Mr. Gil Hunt
Technical Services Manager
State of Utah Natural Resources
Division of Oil, Gas, and Mining
1549 West North Temple
Salt Lake City, Ut 84114-5801

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Ut 84078

Mr. Nathan Wiser, 8ENF-T

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.
UTU-76241

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
GREATER BOUNDARY

8. Well Name and No.
GREATER BOUNDARY 11-28-8-17

9. API Well No.
43-013-32134

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1695 FNL 1882 FWL NE/SW Section 28, T8S R17E

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

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

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

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

The above referenced well was put on injection at 10:00 a.m. on 1/5/04.

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

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JAN 08 2004
DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 1/6/2004
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use *APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

OIL WELL GAS WELL OTHER **Injection Well**

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL
Footages **1695 FNL 1882 FWL**
QQ, SEC, T, R, M: **NE/SW Section 28, T8S R17E**

5. LEASE DESIGNATION AND SERIAL NO.
UTU-76241

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
Greater Boundary

8. WELL NAME and NUMBER
Greater Boundary 11-28-8-17

9. API NUMBER
43-013-32134

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

COUNTY **DUCHESNE**
STATE **UTAH**

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

NOTICE OF INTENT:
(Submit in Duplicate)

ABANDON NEW CONSTRUCTION
 REPAIR CASING PULL OR ALTER CASING
 CHANGE OF PLANS RECOMPLETE
 CONVERT TO INJECTION REPERFORATE
 FRACTURE TREAT OR ACIDIZE VENT OR FLARE
 MULTIPLE COMPLETION WATER SHUT OFF
 OTHER _____

SUBSEQUENT REPORT OF:
(Submit Original Form Only)

ABANDON* NEW CONSTRUCTION
 REPAIR CASING PULL OR ALTER CASING
 CHANGE OF PLANS RECOMPLETE
 CONVERT TO INJECTION REPERFORATE
 FRACTURE TREAT OR ACIDIZE VENT OR FLARE
 OTHER **Step Rate Test**

DATE WORK COMPLETED _____
Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

A step rate test was conducted on the subject well on 6/30/04. The fracture gradient was not reached during the test. Therefore, Inland is requesting that the MAIP be changed to 1660, the highest pressure achieved during the test.

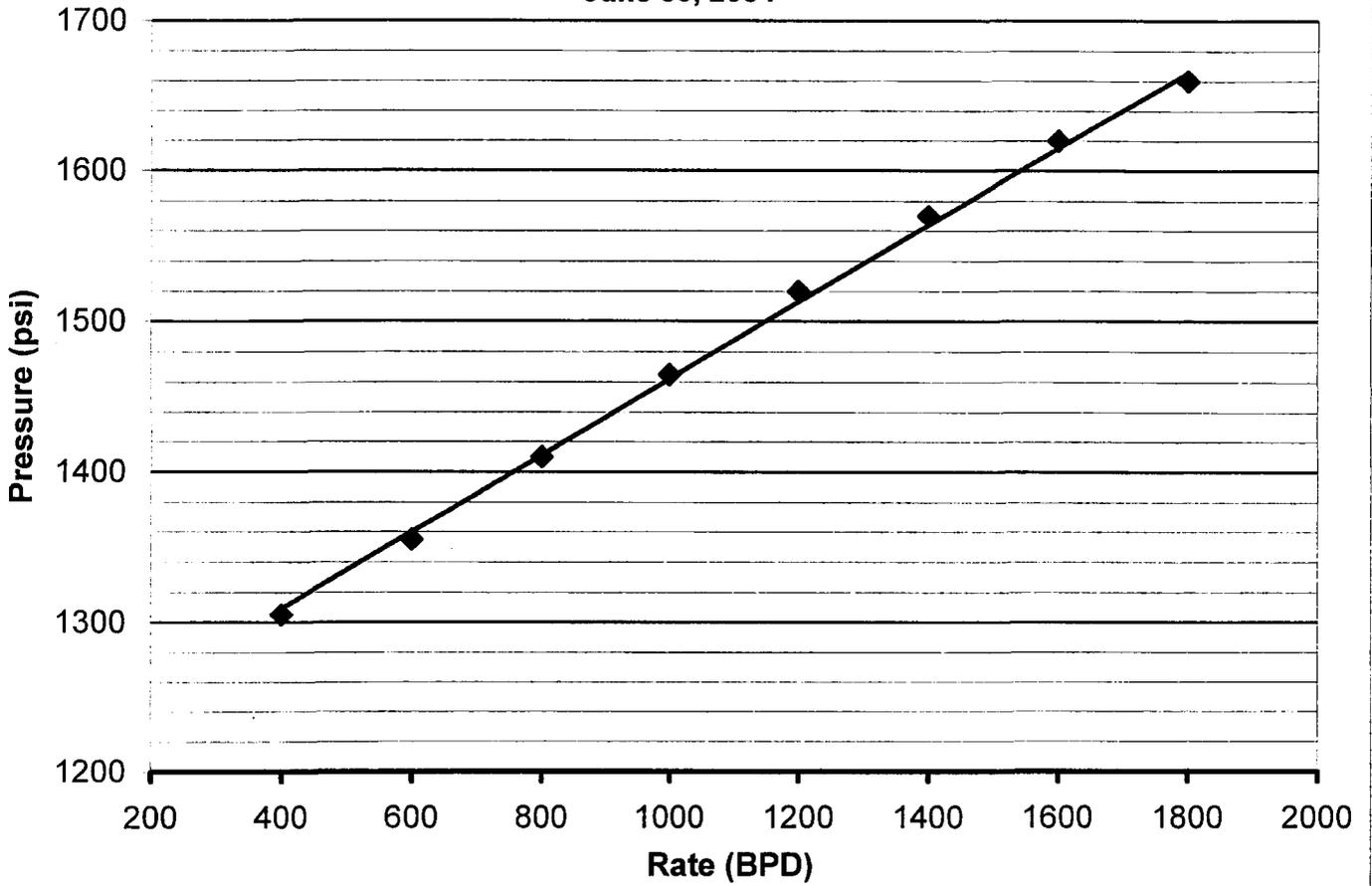
13. NAME & SIGNATURE: *Brad Mecham* TITLE Operations Manager DATE 6/30/2004
Brad Mecham

(This space for State use only)

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

**RECEIVED
JUL 02 2004
DIV. OF OIL, GAS & MINING**

Greater Boundary Federal 11-28-8-17
Greater Boundary Unit
Step Rate Test
June 30, 2004

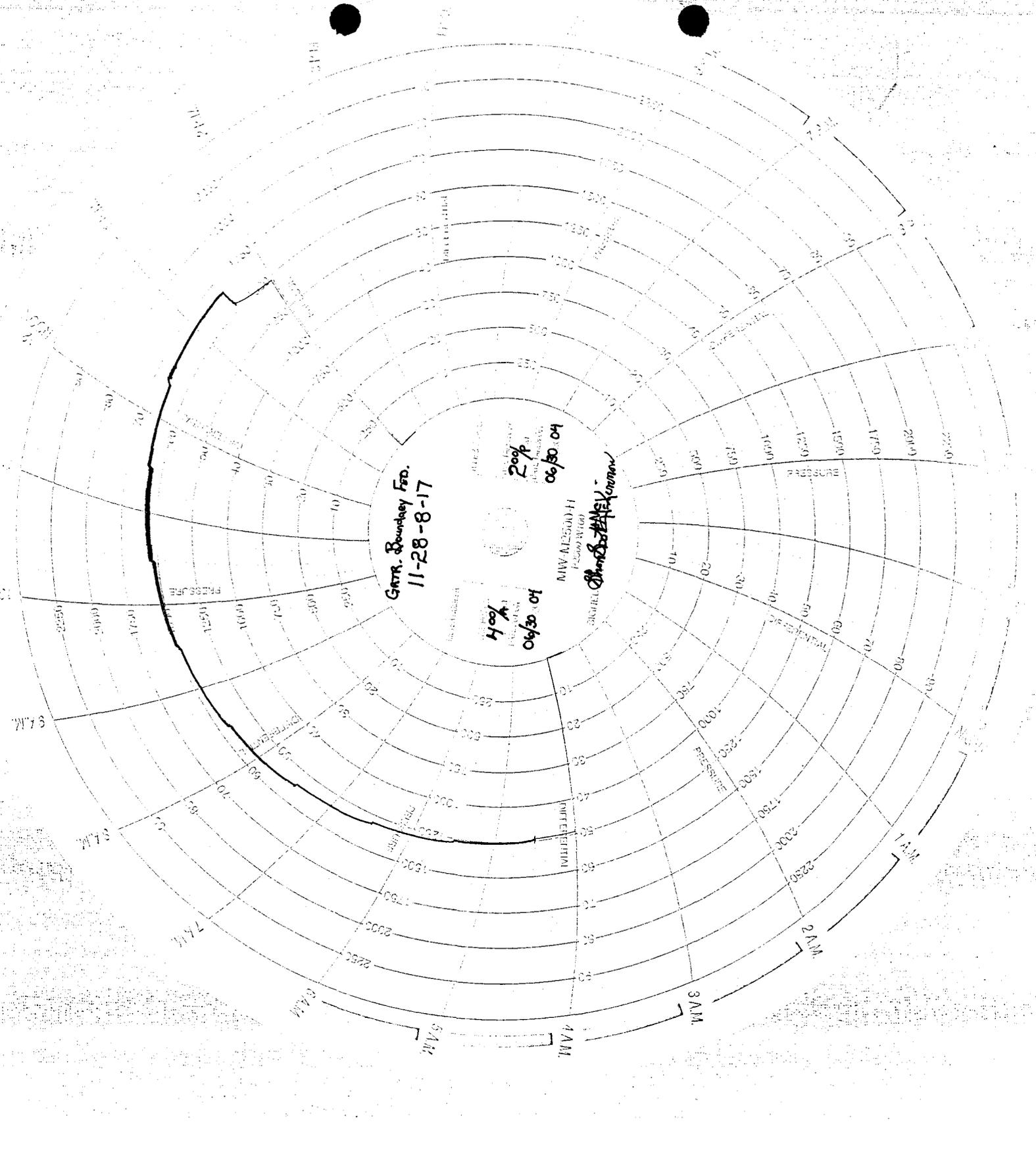


Start Pressure: 1235 psi
Instantaneous Shut In Pressure (ISIP): 1550 psi
Top Perforation: 4498 feet
Fracture pressure (Pfp): N/A psi
FG: N/A psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	1260
2	400	1305
3	600	1355
4	800	1410
5	1000	1465
6	1200	1520
7	1400	1570
8	1600	1620
9	1800	1660

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JUL 02 2004

JUL 02 2004 10:58 & 11:00 AM



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 JUL 02 2004
 DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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

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

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



Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QC, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04
Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING

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:

GREATER BOUNDARY (GR)

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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: 10 / 7 / 2009
 Test conducted by: Ted Whitehead
 Others present: _____

Well Name: <u>GBF 11-28-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NE 1/4</u> Sec: <u>28</u> T <u>8</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Newfield Exploration</u>		
Last MIT: _____	Maximum Allowable Pressure: <u>1350</u> PSIG	

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1530</u> psig	psig	psig
End of test pressure	<u>1530</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1240</u> psig	psig	psig
5 minutes	<u>1240</u> psig	psig	psig
10 minutes	<u>1240</u> psig	psig	psig
15 minutes	<u>1240</u> psig	psig	psig
20 minutes	<u>1240</u> psig	psig	psig
25 minutes	<u>1240</u> psig	psig	psig
30 minutes	<u>1240</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: _____

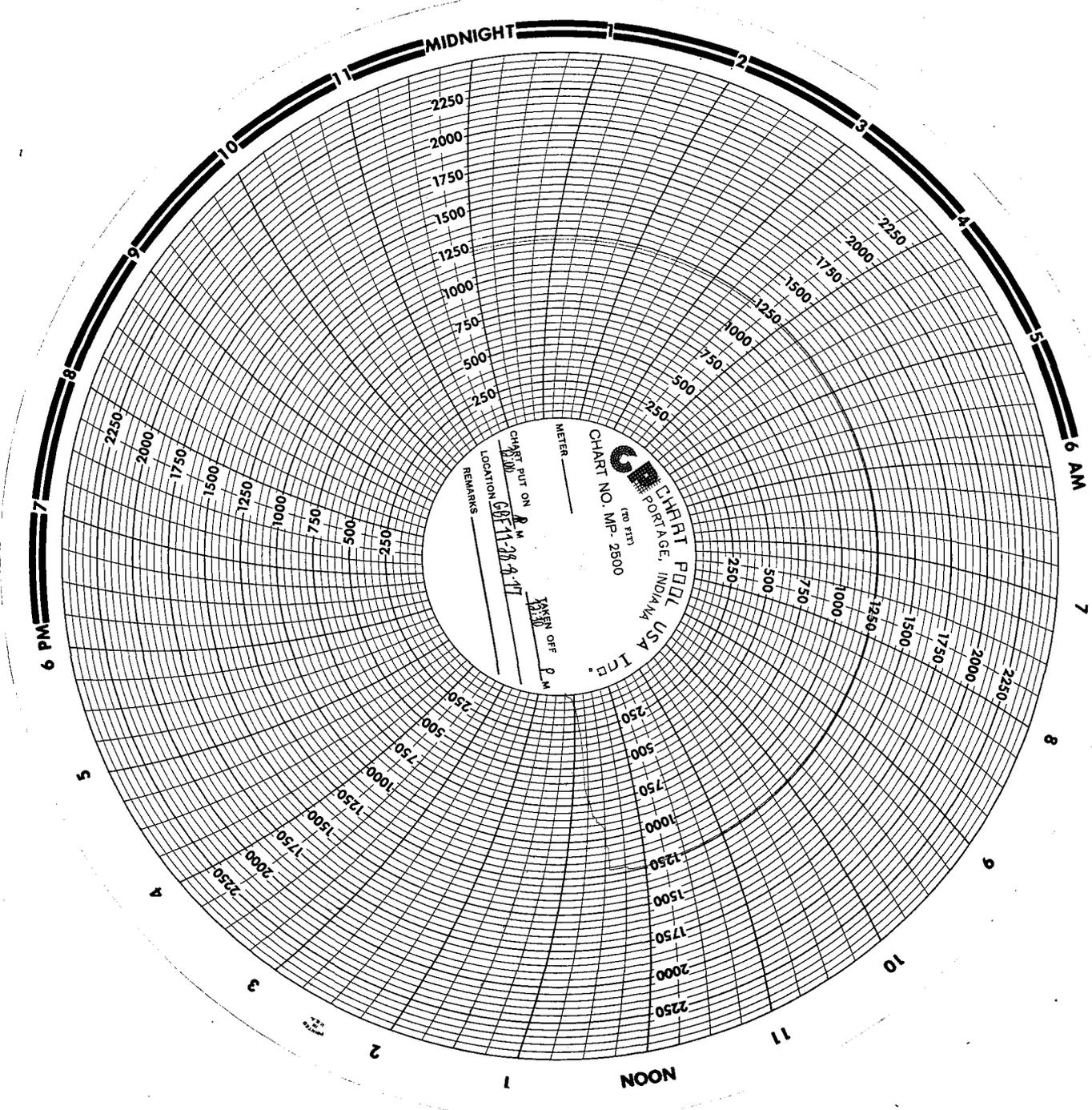


CHART PUT ON 11-30-17 METER _____
LOCATION PORTAGE, INDIANA TAKEN OFF _____
REMARKS _____
CHART NO. MP-2500
PORTAGE, INDIANA
CHART PPOOL USA INC.
FO. 371

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76241
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: GREATER BOUNDARY 11-28-8-17	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013321340000	
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: 1695 FSL 1882 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 28 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: 11/6/2012 <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 type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Packer Release MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The above subject well had workover procedures performed (packer release), attached is a daily status report. On 11/05/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 11/06/2012 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20702-04624</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 13, 2012</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/9/2012	

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: 11 / 6 / 2012
 Test conducted by: DAVE CLOWARD
 Others present: _____

UT 20702-04624

Well Name: <u>11-28-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Tar Sands FEDERAL</u>		
Location: <u>NE/SW</u> Sec: <u>28</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> / W	County: <u>Duchesne</u>	State: <u>Utah</u>
Operator: <u>NEWFIELD EXPLORATION</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1550</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 / 500 psig

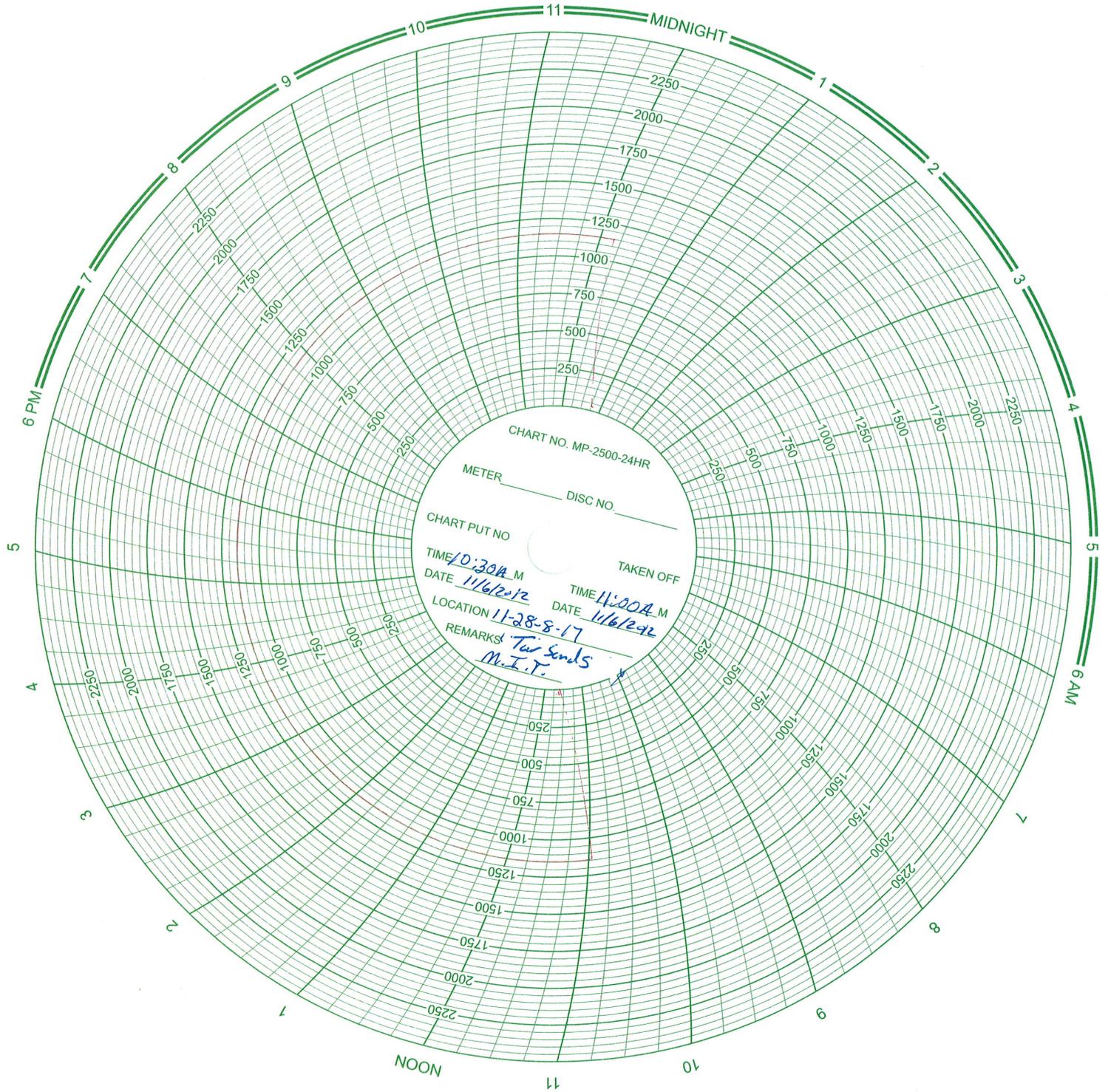
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>500</u> psig	psig	psig
End of test pressure	<u>500</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1150</u> psig	psig	psig
5 minutes	<u>1150</u> psig	psig	psig
10 minutes	<u>1150</u> psig	psig	psig
15 minutes	<u>1150</u> psig	psig	psig
20 minutes	<u>1150</u> psig	psig	psig
25 minutes	<u>1150</u> psig	psig	psig
30 minutes	<u>1150</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
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 11-28-8-17

9/1/2012 To 1/30/2013

11/2/2012 Day: 1

Workover

WWS #5 on 11/2/2012 - MIRU. Flowback NDWH and unseat pakar. - Crew Travel Safety Meeting. Wait for 3 hours for PKR,PSN and TIH w/ 4-1/2 arrow set, 2-3/8 psn (new) 136 jts. 2-3/8 TBG flush w/60 bbl H2O Pump down SV test tbg to 3000 PSI ok RU and land TBG w/ Sandline RET S.V POOH in Sand RD floor TBG works, Strip off BOP's land TBG w/ B-1 nonptor. Pump 50 bbl PKR drain csg, set pkr test csg to pkr @ 1400 psi- ok pkr@4433' Psne 4429' EOT @ 4437" Rigdown 6pm. - Crew Travel Safety Meeting. Wait for 3 hours for PKR,PSN and TIH w/ 4-1/2 arrow set, 2-3/8 psn (new) 136 jts. 2-3/8 TBG flush w/60 bbl H2O Pump down SV test tbg to 3000 PSI ok RU and land TBG w/ Sandline RET S.V POOH in Sand RD floor TBG works, Strip off BOP's land TBG w/ B-1 nonptor. Pump 50 bbl PKR drain csg, set pkr test csg to pkr @ 1400 psi- ok pkr@4433' Psne 4429' EOT @ 4437" Rigdown 6pm. - Crew Travel, safety MTG, Load out and move From x-1-9-17 to 11-28-8-17 MIRU. Flow Back to tank ND well head un seat pakar, strip on BOP's. RU Floor, Tubingworks,flush TBG w/ 30 bbl with fresh H2O. Follow with 5 bbl 15%HCl. Chase w/ 27 BBl H2O. To EOT reverse out w/40 bbl fresh H2O.Check SV to PSN, test tbg, To 3000 psi- ok PU RiH w/ sandline, retrev s.v TOO H w/ JTS 2-3/8 TBG, ID PKR CWIF. - Crew Travel, safety MTG, Load out and move From x-1-9-17 to 11-28-8-17 MIRU. Flow Back to tank ND well head un seat pakar, strip on BOP's. RU Floor, Tubingworks,flush TBG w/ 30 bbl with fresh H2O. Follow with 5 bbl 15%HCl. Chase w/ 27 BBl H2O. To EOT reverse out w/40 bbl fresh H2O.Check SV to PSN, test tbg, To 3000 psi- ok PU RiH w/ sandline, retrev s.v TOO H w/ JTS 2-3/8 TBG, ID PKR CWIF.

Daily Cost: \$0

Cumulative Cost: \$20,085

11/6/2012 Day: 3

Workover

Rigless on 11/6/2012 - Conduct MIT - On 11/05/12 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 11/06/2012 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20702-04624 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$26,360

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

Spud Date: 8/27/00
 Put on Production: 10/04/00
 GL: 5124' KB: 5134'

Tar Sands Federal 11-28-8-17

Initial Production: 54 BOFPD,
 74 MCFPD, 19 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 306 91' (8 Jts)
 DEPTH LANDED: 502 91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" cement with additives

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 135 Jts (6063.85')
 DEPTH LANDED: 6059.85'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sx Prentite II, followed by 580 sx 50/50 Pozmix

TUBING

SIZE/GRADE/WT: 2-3/8"/J-55/4.7#
 NO. OF JOINTS: 136 Jts (4416.9')
 SEATING NIPPLE: 2-3/8" (1.19')
 SN LANDED AT: 4426.9' KB
 ARROW #1 PACKER CE AT: 4433'
 TOTAL STRING LENGTH: BOT @ 4435'

FRAC JOB

9/28/00 5790'-5896' **Frac CP-1 sand as follows:**
 29,000# 20/40 sand in 584 bbls Viking I-25 fluid. Perfs broke down @ 3830 psi. Treated @ avg press of 1900 psi w/avg rate of 29 BPM. ISIP: 1860 psi. Flowback on 12/64" choke for 4 hours.

9/28/00 5479'-5498' **Frac A-1 sand as follows:**
 66,000# 20/40 sand in 391 bbls Viking I-25 fluid. Perfs broke down @ 3680 psi. Treated @ avg press of 2200 psi w/avg rate of 29 BPM. ISIP: 2250 psi. Flowback on 12/64" choke for 2 hours and died. Rec 78 BTF.

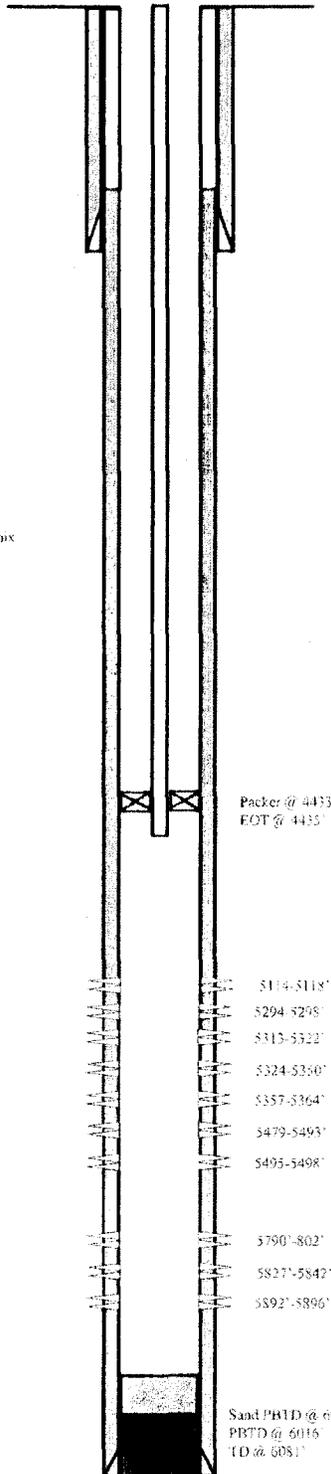
9/29/00 5294'-5364' **Frac B-2 sand as follows:**
 138,000# 20/40 sand in 742 bbls Viking I-25 fluid. Perfs broke down @ 2990 psi. Treated @ avg press of 2000 psi w/avg rate of 29.5 BPM. ISIP: 2000 psi. Flowback on 12/64" choke @ 1 BPM. Flowed total of 135 bbls.

9/29/00 5114'-5118' **Frac C sand as follows:**
 30,300# 20/40 sand in 217 bbls Viking I-25 fluid. Perfs broke down @ 3088 psi. Treated @ avg press of 2800 psi w/avg rate of 29 BPM. ISIP 2590 psi. Flowed back on 12/64" choke for 1-1/2 hrs & died. Rec 59 BTF.

10/28/03 **Well converted to an Injection well.**

10/7/08 **5 Year MIT completed and submitted.**

11/06/12 **Workover MIT packer release - update tag detail**



PERFORATION RECORD

9/29/00	5114'-18"	4 JSPP	16 holes
9/29/00	5294'-98"	4 JSPP	16 holes
9/29/00	5313'-22"	4 JSPP	56 holes
9/29/00	5324'-50"	4 JSPP	104 holes
9/29/00	5357'-64"	4 JSPP	28 holes
9/28/00	5479'-93"	1 JSPP	56 holes
9/28/00	5495'-98"	4 JSPP	12 holes
9/27/00	5790'-96"	4 JSPP	24 holes
9/27/00	5798'-802"	4 JSPP	16 holes
9/27/00	5827'-42"	4 JSPP	60 holes
9/27/00	5892'-96"	4 JSPP	16 holes



Tar Sands Federal 11-28-8-17
 1695 FSL 1882 FWL
 NE:SW Section 28-T8S-R17E
 Duchesne Co, Utah
 API #43-013-32134; Lease #U-76241