UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS ✓ [redacted] X WATER SANDS _____ LOCATION INSPECTED [redacted] SUB. REPORT/abd

DATE FILED: APRIL 10, 1996

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-74869 INDIAN

DRILLING APPROVED: MAY 20, 1996

SPUDDED IN: JUNE 25 1996

COMPLETED: 7-23-96 POW PUT TO PRODUCING: 7-23-96

INITIAL PRODUCTION: 32 BOPD, 68 MCF, 2 BWPD

GRAVITY A.P.I.

GOR: 2:1

PRODUCING ZONES: 4940-6016' (GRRV)

TOTAL DEPTH: 6140'

WELL ELEVATION: 5283' GR

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:

COUNTY: DUCHESNE

WELL NO. TAR SANDS FEDERAL 13-30 API NO. 43-013-31637

LOCATION 603 FSL FT. FROM (N) (S) LINE, 699 FWL FT. FROM (E) (W) LINE. SW SW 1/4 — 1/4 SEC. 30

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
8S	17E	30	INLAND PRODUCTION CO.	[redacted]			

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Garden Gulch Mkr - 4040'	Dakota	Park City	McCracken
Point 3 Mkr - 4518'	Burro Canyon	Rico (Goodridge)	Aneth
"X" Mkr - 4755'	Cedar Mountain	Supai	Simonson Dolomite
"Y" Mkr - 4790'	Buckhorn	Wolfcamp	Sevy Dolomite
Douglas Cr. Mkr - 4917'	JURASSIC	CARBON I FEROUS	North Point
Wasatch B Carbonate Mkr - 5114'	Morrison	Pennsylvanian	SILURIAN
Flagstaff B Limestone - 5294'	Salt Wash	Oquirrh	Laketown Dolomite
Castle Peak - 5796'	San Rafeal Gr.	Weber	ORDOVICIAN
Uinta Basal Carbonate - NEG	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

ACME VISIBLE CROZET VIRGINIA 100730

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN T ICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Tar Sands Federal

9. WELL NO.: #13-30

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 30, T8S, R17E

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

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

2. NAME OF OPERATOR: Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SW/SW
At proposed prod. zone: 602.6' FSL & 698.9' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 9.8 miles south of Myton, Utah

12. COUNTY OR PARISH: Duchesne

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 602.6'

16. NO. OF ACRES IN LEASE: 1968.01

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1377.4'

19. PROPOSED DEPTH: 6500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5282.8'

22. APPROX. DATE WORK WILL START*: 3rd quarter 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

24.

SIGNED Brad Mecham Brad Mecham TITLE Operations Manager DATE 4/5/96

(This space for Federal or State office use)

PERMIT NO. 43-013-31637 APPROVAL DATE

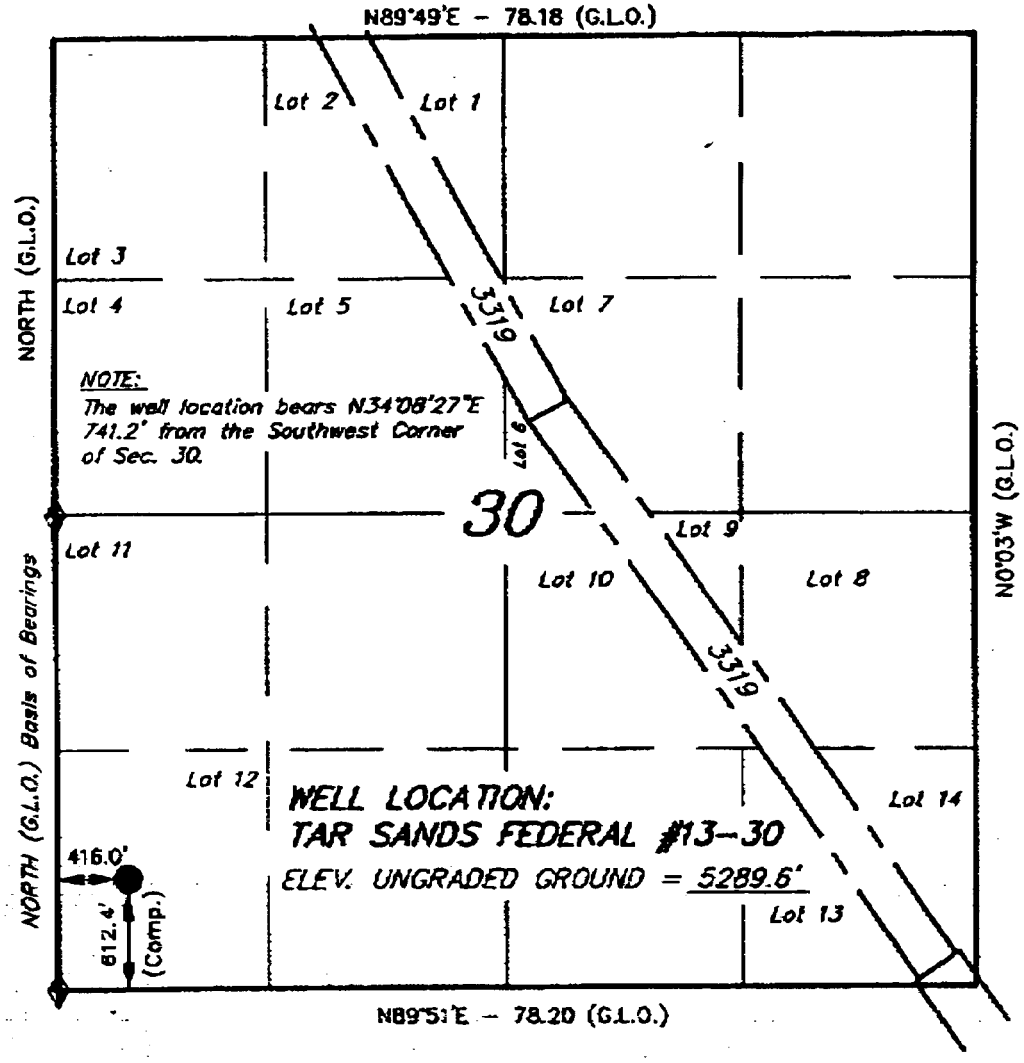
APPROVED BY T B Matthews TITLE Petroleum Engineer DATE 5/20/96

CONDITIONS OF APPROVAL, IF ANY:

*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.



NOTE:
The well location bears N34°08'27"E 741.2' from the Southwest Corner of Sec. 30.

WELL LOCATION:
TAR SANDS FEDERAL #13-30
ELEV. UNGRADED GROUND = 5289.6'

= SECTION CORNERS LOCATED

BASIS OF ELEV: U.S.G.S. 7-1/2 min QUAD (MYTON SE)

INLAND PRODUCTION COMPANY

WELL LOCATION, TAR SANDS FEDERAL #13-30, LOCATED AS SHOWN IN LOT 12 OF SECTION 30, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 144102
STATE OF UTAH

REGISTERED LAND SURVEYOR
GENE STEWART
NO. 144102
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. D.S.
DATE: 4-15-96	WEATHER: WINDY & COOL
NOTES:	FILE #

TAR SANDS FEDERAL #13-30
SW/SW SECTION 30, T8S, R17E
DUCHESNE COUNTY, UTAH
U-74869

HAZARDOUS MATERIAL DECLARATION

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

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

INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #13-30
SW/SW SEC. 30, T8S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT WELL PROGRAM

1. *GEOLOGIC SURFACE FORMATION:*

Uinta formation of Upper Eocene Age

2. *ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:*

Uinta	0' - 3600'
Green River	6300'
Wasatch	6600'

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

Green River Formation 4600' - 6600' - Oil

4. *PROPOSED CASING PROGRAM*

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

5. *MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:*

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

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

(See Exhibit F)

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

It is proposed that the well be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation at 3000'$\pm$ to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight @ 8.4 ppg, weighted as necessary for gas control

7. *AUXILIARY SAFETY EQUIPMENT TO BE USED:*

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

8. *TESTING, LOGGING AND CORING PROGRAMS:*

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

9. *ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:*

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

10. *ANTICIPATED STARTING DATE AN D DURATION OF THE OPERATIONS:*

It is anticipated that the drilling operations will commence in July, 1996 and take approximately seven days to drill.

INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #13-30
SW/SW SECTION 30, T8S, R17E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Tar Sands Federal #13-30 located in the SW 1/4 SW 1/4 Section 30, T8S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles ± to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles with an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to its junction with an existing dirt road to the south; proceed southeasterly along this road .8 miles to its junction with an existing dirt road to the east; proceed easterly 4.7 miles to its intersection with the beginning of the proposed access road to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

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

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SE1/4 SE 1/4 Section 30, T8S, R17E, S.L.B. & M., and proceeds in an easterly direction approximately 1300' ± to the proposed location site.

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

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

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

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

3. *LOCATION OF EXISTING WELLS*

There are twelve (12) producing, Inland Production wells, and one (1) unknown P&A well within a one (1) mile radius. See Exhibit "D".

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

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

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

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

Tank batteries will be built to BLM specification.

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

5. *LOCATION AND TYPE OF WATER SUPPLY*

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

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

6. *SOURCE OF CONSTRUCTION MATERIALS*

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

See Location Layout Sheet - Exhibit "E".

A small reserve pit will be constructed from native soil and clay materials. However, in a departure from conventional oilfield practice, the volume and duration of fluid occupying this pit will be minimal. By applying currently available technology, a water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel tanks. Further more, all drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

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

A portable toilet will be provided for human waste.

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

8. *ANCILLARY FACILITIES*

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

9. *WELL SITE LAYOUT*

See attached Location Layout Sheet - Exhibit "E".

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

There will be no flare pit on this location.

The stockpiled topsoil (first six (6) inches) will be stored on the east, between stakes 2 & 3.

Access to the well pad will be from the southwest corner, near stake #7.

Fencing Requirements

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

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

b) The net wire shall be nor more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

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

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

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

b) *Dry Hole Abandoned Location*

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

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. *OTHER ADDITIONAL INFORMATION*

a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.

b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Cultural Resource Survey will be submitted, as soon as it becomes available.

Additional Surface Stipulations

A silt catchment dam will be constructed at flagged location.

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

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

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

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

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

Representative

Name: Brad Mecham

Address: P.O. Box 1446 Roosevelt, Utah 84066

Telephone: (801) 722-5103

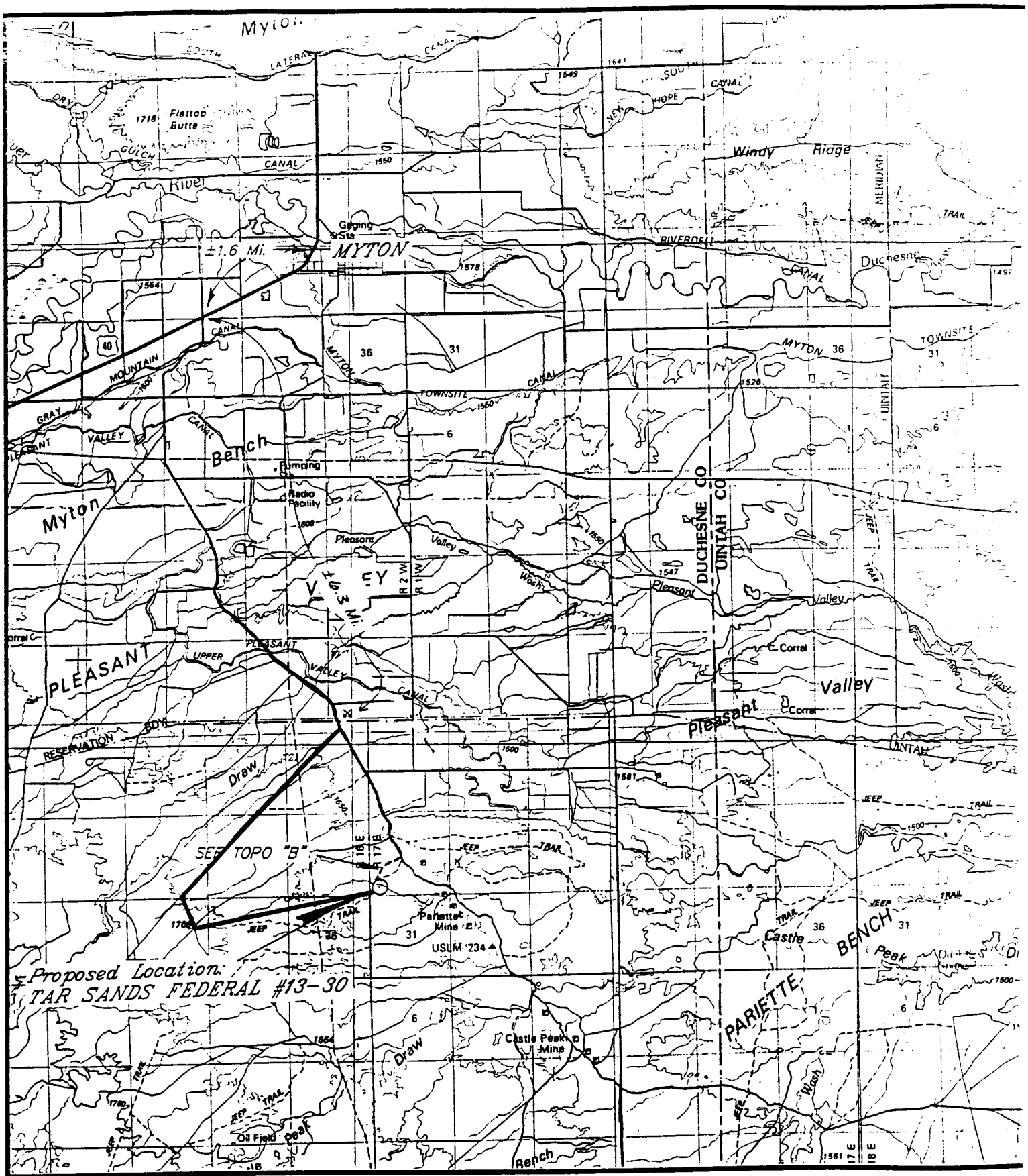
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #13-30 SW/SW Section 30, Township 8S, Range 17E: Lease #U-74869 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4-9-96
Date

Brad Mecham
Brad Mecham
Operations Manager

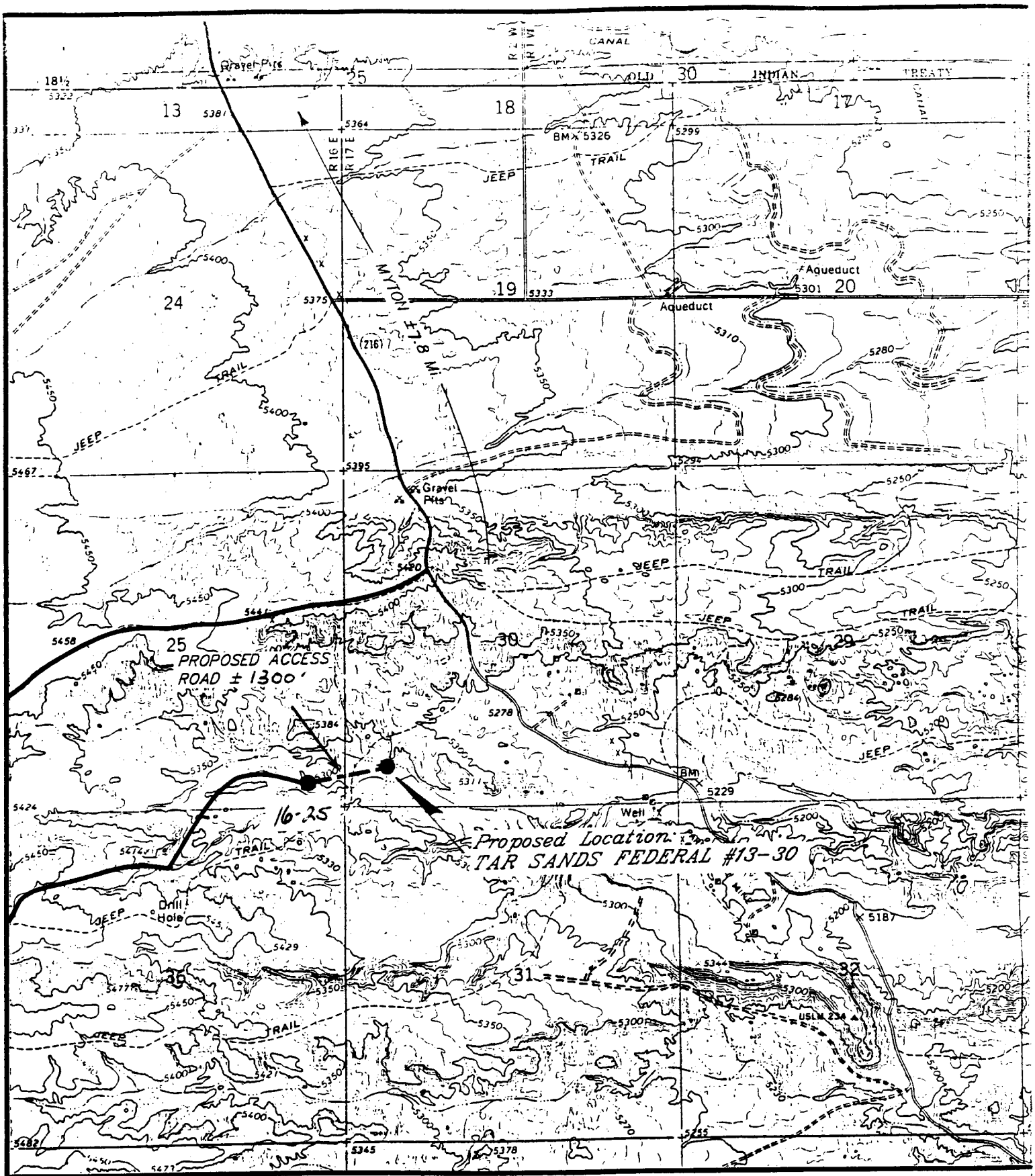


INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #13-30
SEC. 30, T8S, R17E, S.L.B.&M.
TOPO "A"

N

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



INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #13-30
SEC. 30, T8S, R17E, S.L.B.&M.
TOPO "B"

N

SCALE: 1" = 2000'

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

UTAH–DUCHESNE CO.
7.5' MINUTE SERIES (TOPOGRAPHIC)

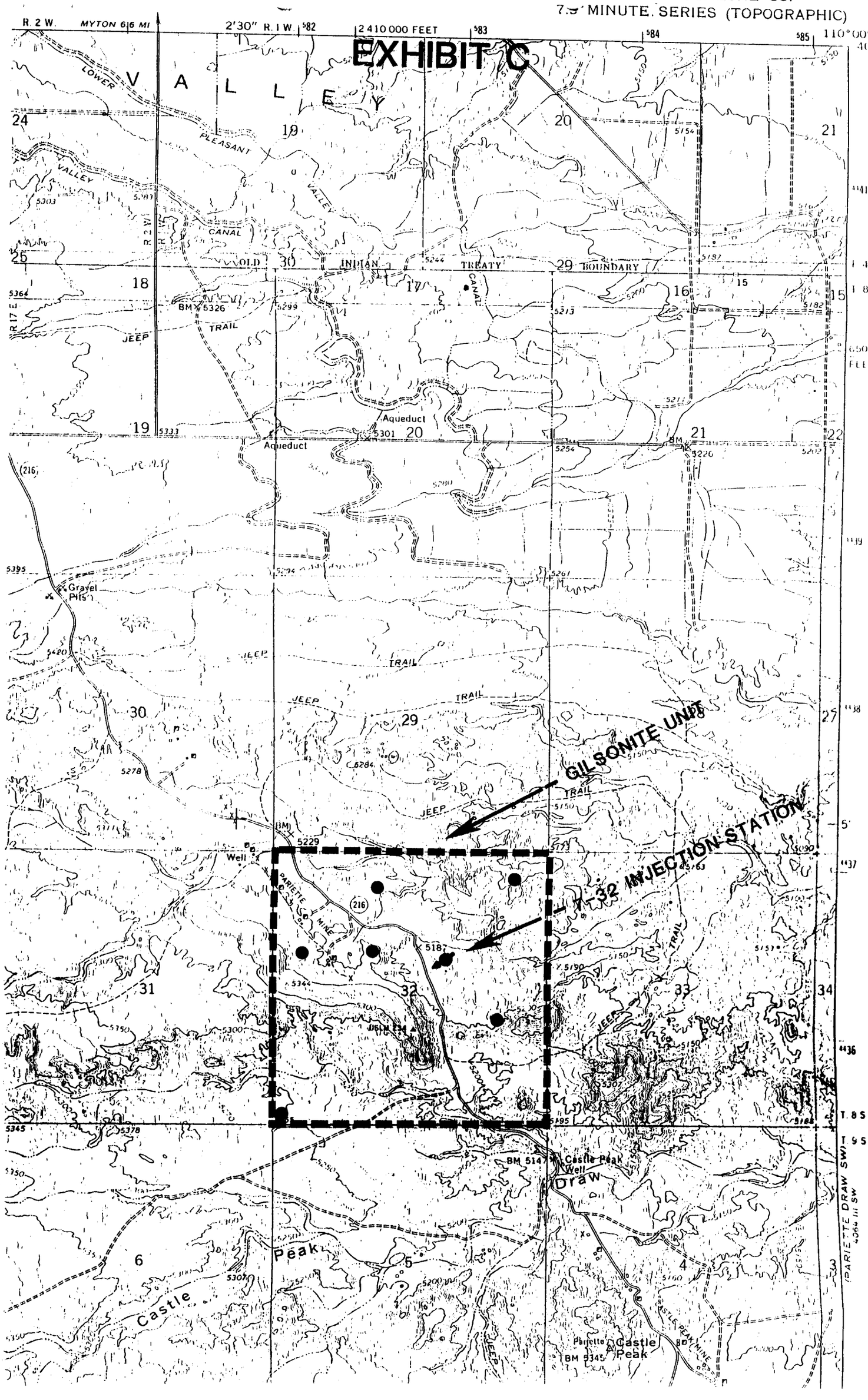
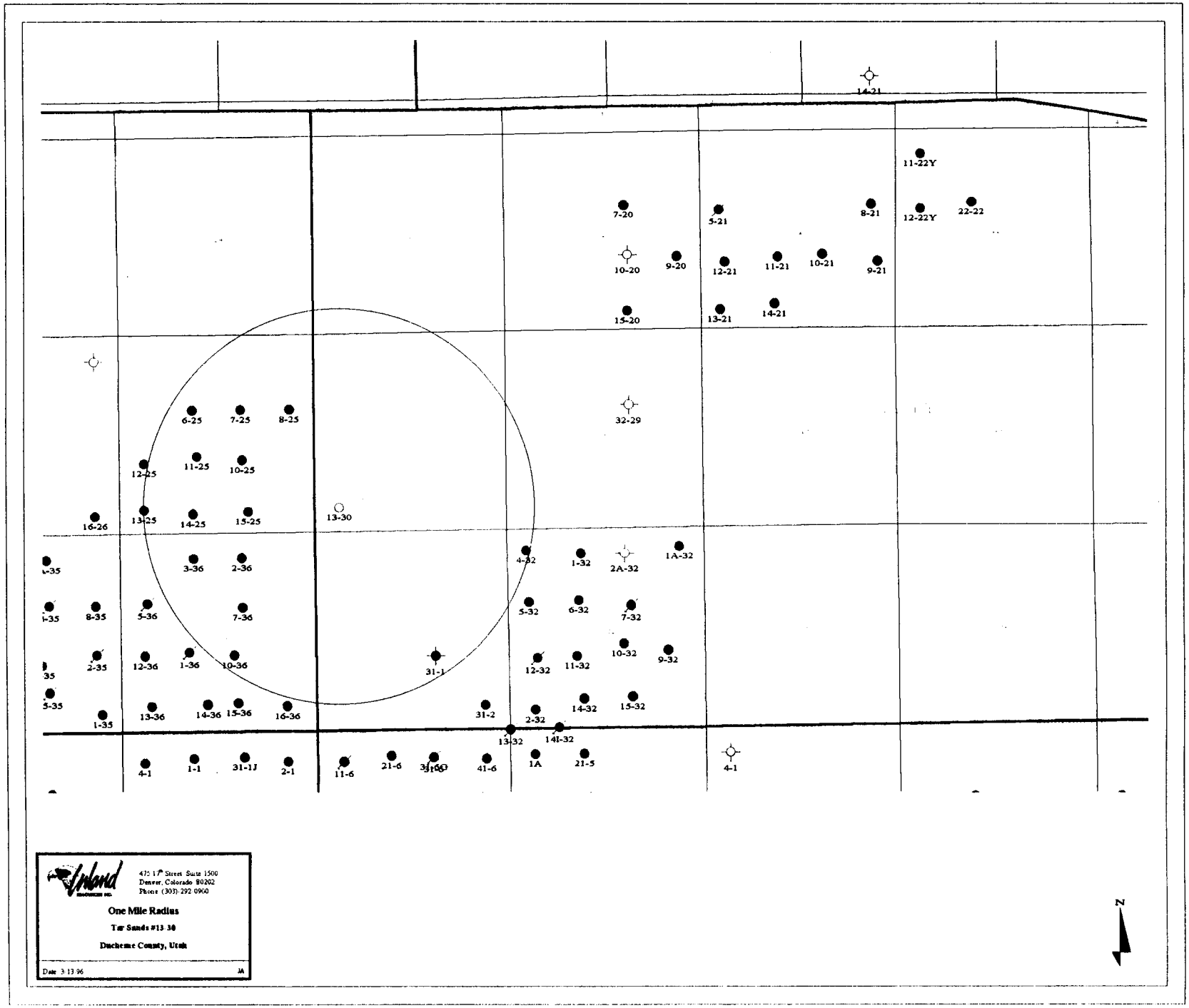


EXHIBIT "D"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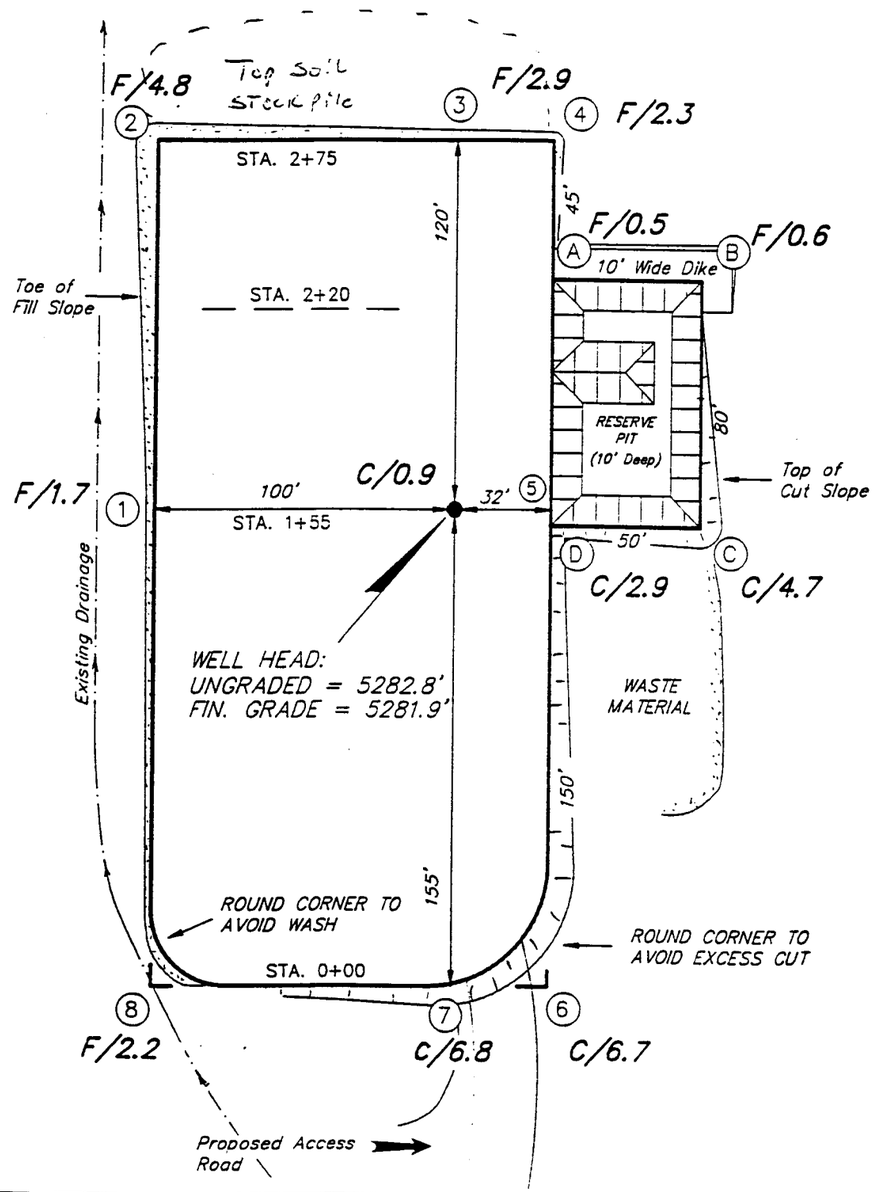
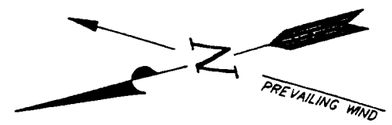
21-6
41-6
1A
21-5
4-1
Inland
475 17th Street Suite 1500
Denver, Colorado 80202
Phone (303) 292 0900
One Mile Radius
Tar Sands #13-30
Duchesne County, Utah
Date 3-13-96
JA
N

EXHIBIT "E"

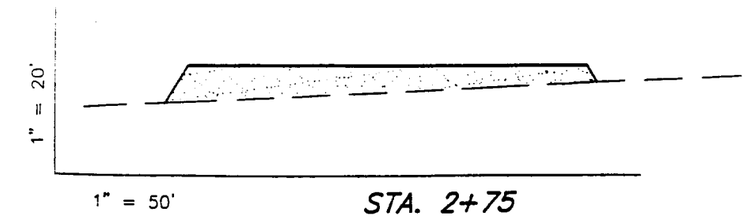
INLAND PRODUCTION COMPANY

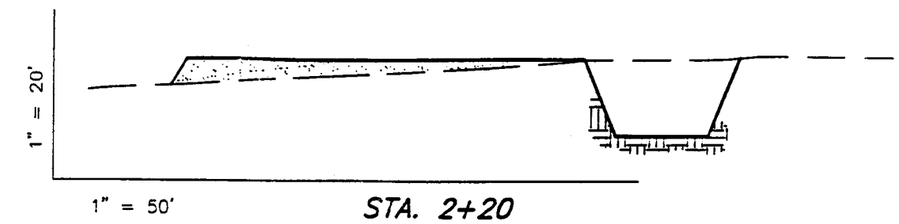
TAR SANDS FEDERAL #13-30
SEC. 30, T8S, R17E, S.L.B.&M.

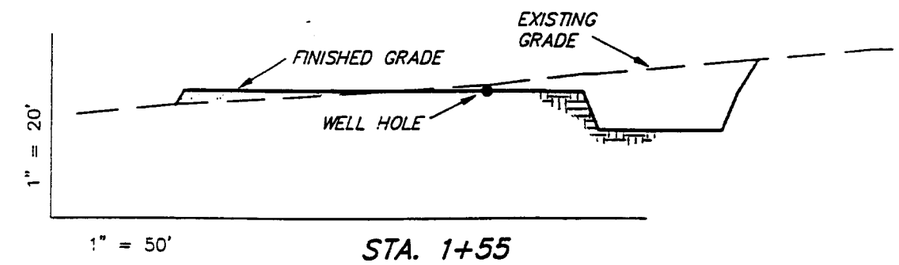


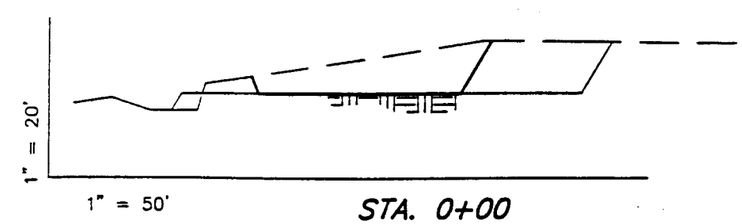


SCALE: 1" = 50'









REFERENCE POINTS

150' NORTH = 5278.3'
200' NORTH = 5293.8'
170' EAST = 5278.7'
220' EAST = 5277.6'

APPROXIMATE YARDAGES

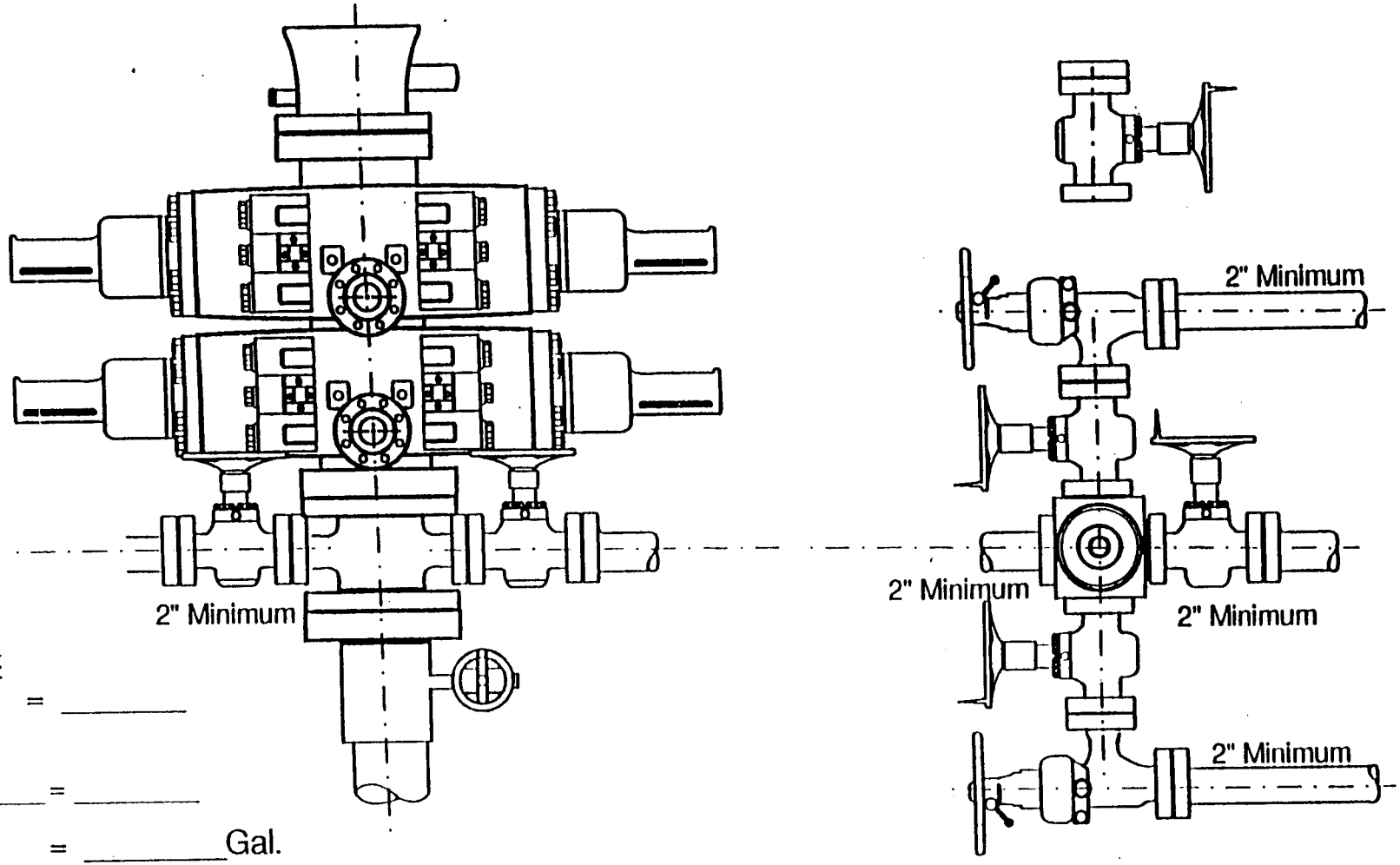
CUT = 1,590 Cu. Yds.
FILL = 1,580 Cu. Yds.
PIT = 1,060 Cu. Yds.
6" TOPSOIL = 750 Cu. Yds.

SURVEYED BY: S.S. D.S.	Tri State Land Surveying, Inc.
DRAWN BY: J.R.S.	(801) 781-2501
DATE: 3-15-96	38 WEST 100 NORTH VERNAL, UTAH 84078
SCALE: 1" = 50'	
FILE:	

RAM TYPE B.O.P.
Make:
Size:
Model:

2-M SYSTEM

EXHIBIT F



GAL TO CLOSE
Annular BOP = _____
Ramtype BOP
____Rams x _____ = _____
= _____Gal.

_____ x 2 = _____ Total Gal.

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

A CULTURAL RESOURCES SURVEY OF

TAR SANDS FEDERAL WELLS #12-30 AND #13-30,

DUCHESNE COUNTY, UTAH

by

Sheri Murray Ellis
Archaeologist

Prepared for:

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

Prepared by:

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

Under Authority of Cultural Resources Use Permit No. 95UT54630

and

Under Authority of Utah State Antiquities Permit No. U-96-SJ-0135b

Archaeological Report No. 859-01

March 18, 1996

INTRODUCTION

In March 1996, Inland Production Company (Inland) of Roosevelt, Utah requested that Sagebrush Archaeological Consultants, L.L.C. (Sagebrush) conduct a cultural resources inventory of Inland's Tar Sands Federal wells #12-30 (1980' FSL 660' FWL) and #13-30 (602.6' FSL 698.9' FWL) located on lands controlled by the Bureau of Land Management (BLM) in Duchesne County, Utah (Figure 1).

The proposed wells are located in T. 8S., R. 17E., S. 30 on USGS 7.5' Quadrangle Myton SE, Utah (1964). Fieldwork for the project was carried out by the author on March 15, 1996 under authority of Cultural Resources Use Permit No. 95UT54630 and Utah State Antiquities Permit No. U-96-SJ-0135b. Additional fieldwork was conducted by Alden H. Hamblin, Paleontologist, on March 19, 1996.

A file search for previously recorded cultural resource sites and paleontological localities located near the current project area was conducted by Heather M. Weymouth and Lynita S. Langley on February 23, 1996 at the BLM, Vernal District Office to determine if any cultural resource projects had been conducted or sites recorded in or near the current project area. An additional file search was conducted by Michael R. Polk at the Division of State History, Utah State Historic Preservation Office, Salt Lake City on February 21, 1996.

More than 30 previous cultural resources projects have been conducted in the area of the current project. Due to the large number of projects conducted in this area, individual project descriptions will not be listed. However, five cultural resources sites and three paleontological localities are listed as being located near the current project area. Following is a brief description of these sites and localities:

Cultural Resource Sites

Site 42Dc557. This site, located 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 National Register of Historic Places (NRHP).

Site 42Dc854. This site is a large prehistoric campsite located in a dunal area. This site consists primarily of a large (500-plus flakes) lithic scatter. Primary flakes are dominant with secondary common, tertiary flakes, shatter and cores present but rare. Fire-cracked rock (FCR) was scattered through the site in eroded areas. No particular FCR configurations were noted possibly due to the deflated nature of portions of the site. 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.

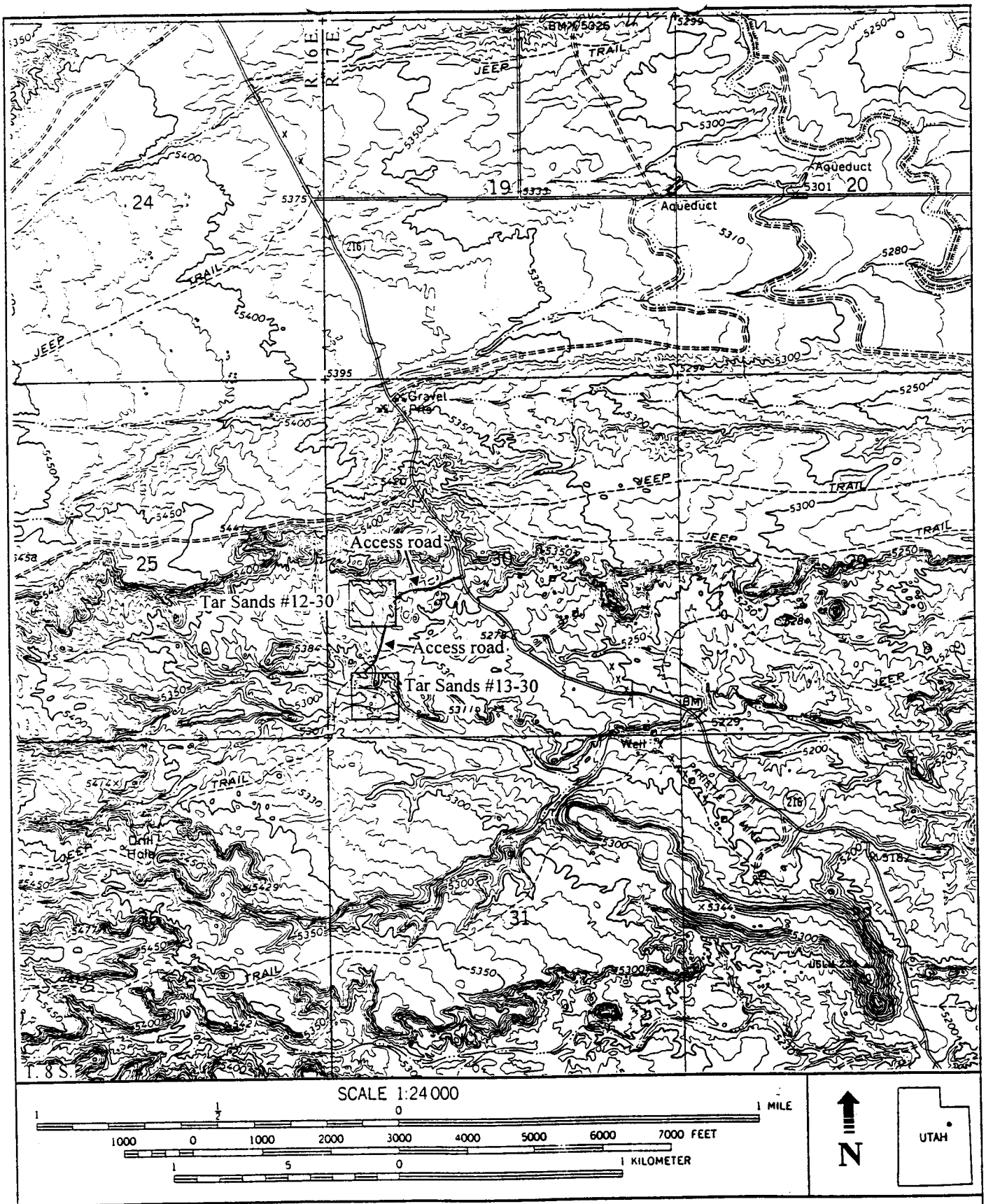


Figure 1. Location of Tar Sands Federal Wells #12-30 and #13-30, and their associated access roads. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

Site 42Dc908. This site consists of a large lithic scatter and is located 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 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 42Dc937. This site, located at the terminus of a gravel-covered sand bar between two ephemeral stream channels, is a sparse lithic scatter of low grade chert. No diagnostic artifacts nor features are present at the site. This site was recommended NOT eligible to the NRHP.

Paleontological Localities

Locality 42Dc103p. This locality, situated in the NW¼SE¼ of Sec. 25, consists of plant specimens and a possible fish tail fossil found in an outcropping of sandstone in the Uinta Formation. This locality is considered IMPORTANT.

Locality 42Dc224v. This locality consists of several fossilized turtle shells eroding out of the portion of Uinta Formation exposed along the south side of well pad #15-36. Fragments of what appear to be "a small fossil lizard jaw". This locality is considered SIGNIFICANT.

Locality 42Dc225v. This locality consists of fragmented pieces of turtle shell scattered about the southwest portion of well #10-36. This material may have been transported by water action to this location from the outcrop immediately to the south. Additionally, a number of turtle shell fragments were found around the hill northeast of the well pad. This locality is considered IMPORTANT.

In addition to these searches, 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 5250 to 5350 feet a.s.l. Sediments consist of tan to light brown sandy loam with occasional sandstone outcroppings and angular fragments of sandstone and limestone visible on the surface. Both well pads are situated on desert pavement with highly

patinated smooth gravels. Vegetation in the survey area is very sparse, consisting of shadscale community species. Noted species include cheat grass, four-wing salt brush, shadscale, sagebrush, buckwheat, and bunch grass. There are no permanent 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 in the area is primarily in the form of aeolian movement of sand and some water erosion. Cultural disturbance in the surrounding area includes grazing, pre-existing well pad locations and a number of access roads leading to the well locations. Cultural disturbance in the immediate area of the two proposed well pads is limited to recent vehicle travel to and from the sites.

METHODOLOGY

The project area consists of two 40,469 m^2 (10 acre) parcels of land measuring 201-by-201 m (660-by-660 ft) centered on the proposed well heads and of access roads connecting the well locations to existing roadways. The well pads were inventoried by the author walking parallel transects spaced no more than 15 meters apart. The well pad access roads, which totaled approximately 606 m (1848 ft) in length, was walked in two parallel transects spaced 10 m (33 ft) apart to cover a corridor width of 30 m (100 ft). The total area surveyed during this inventory, including well pads and access roads, was 97.654 m^2 (24.13 acres).

RESULTS

Three cultural resources sites, 42Dc985 through 42Dc987, and one paleontological locality, 42Dc***PV, were found as a result of this inventory (Figure 2). No additional sites, isolated artifacts, or paleontological localities were found as a result of this inventory. Following are brief descriptions of the three sites and the one locality.

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. All artifacts were manufactured from chert but are of different colors. The site is located just south of a low finger ridge and above a small ephemeral drainage. The artifacts are resting on hard-packed tan silty sand that contains a moderate content of smooth gravels. It does not appear that the site possesses any cultural depth.

Site 42Dc986. This site consists of a moderately sized lithic/tool scatter which includes ±75 flakes, two bifaces, three unifaces, and four cores. All artifacts were manufactured from various colors of low-grade chert. The site is located northeast of an old, eroded dunal formation.

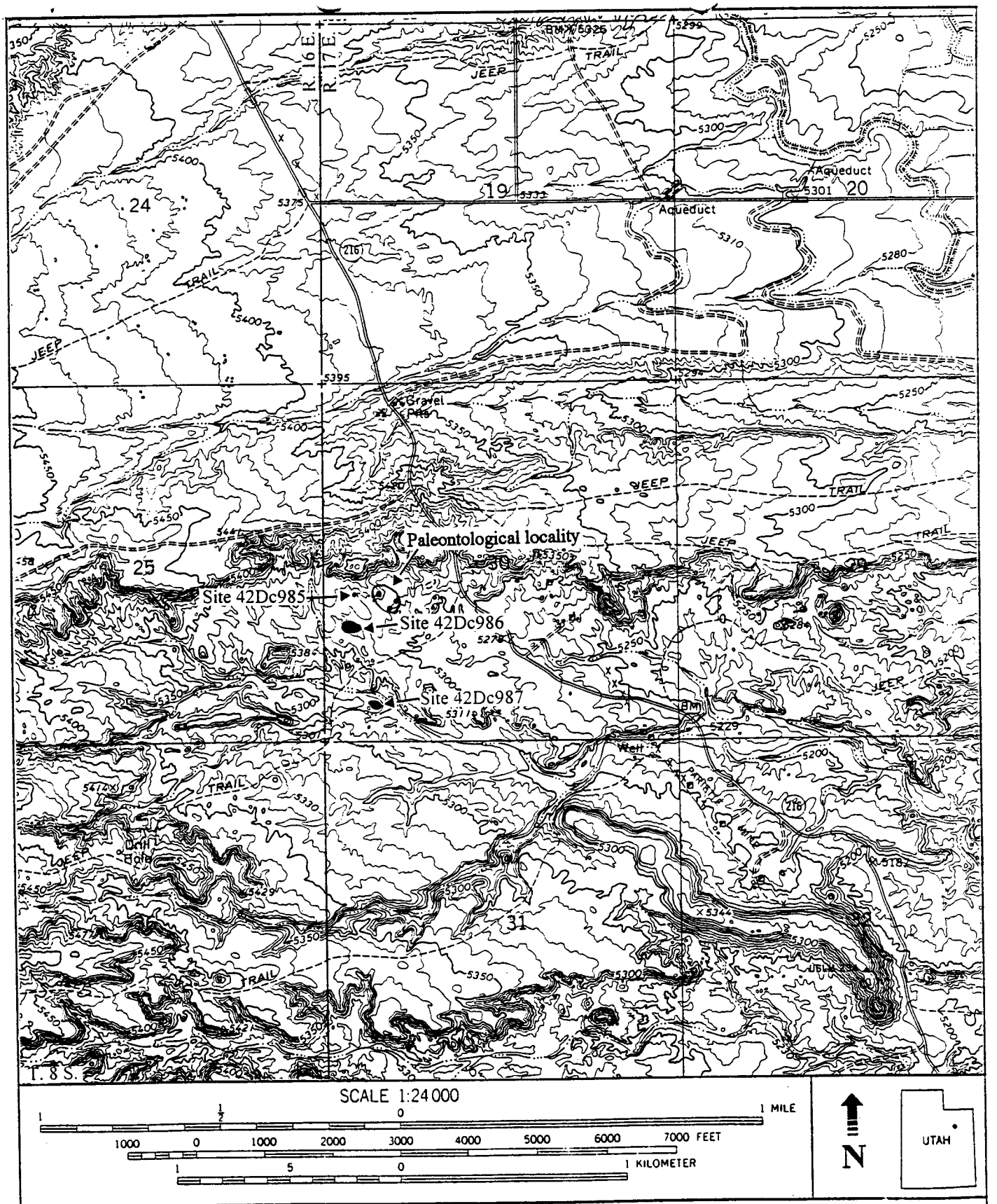


Figure 2. Location of archaeological sites and paleontological localities recorded during the inventory of Tar Sands Federal Wells #12-30 and #13-30. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

Although loose deposits are present within the remnants of the dune, the site itself rests on hard-packed tan silty sand with a moderate gravel content (possibly transitional desert pavement). Many of the gravels are patinated. It does not appear that the site possesses any cultural depth.

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. All but five of the bifaces and two of the cores are located in a concentrated area in the southeastern portion of the site. In general, the bifaces are fairly large, averaging 5.5 cm long. The lithic debitage, which consisted entirely of chert flakes, was dominated by large secondary flakes with primary or decortication flakes also being common. Interestingly, no tertiary flakes or micro-flakes were noted at the site. As such, it is likely that this site represents a primary decortication area, perhaps devoted to production of preforms. No surface features were noted at the site. The site is located on a low gravel bar between two small drainages at the base of a large knoll. The artifacts are resting on transitional deposits (from dunal to desert pavement). The hard-packed silty sand is covered by a layer of narrowly-spaced, patinated gravels. Given that bedrock is not exposed in the area of the site, it must be assumed that at least some depth of deposits is possible. However, it is unlikely that these deposits would contain cultural materials.

Locality 42Dc242PV. The locality consists of two exposures of fossil plant impressions and one exposure of a fossil turtle. The fossil materials are located on the small buttes to the north and east of the proposed center stake of the proposed Tar Sands Federal Well #12-30. The materials are eroding out of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains. For more detailed information on this locality, see the attached Appendix.

RECOMMENDATIONS

Three prehistoric cultural resource sites, 42Dc985 through 42Dc987, were recorded during this inventory. No additional sites or isolated artifacts were noted. As part of this inventory it is necessary to evaluate the sites found for eligibility to the NRHP based on criteria present in Federal regulations set forth in *36CFR 60.4*:

> The quality of <u>significance</u> 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
>
> (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 42Dc985 and 42Dc986 are recommended **NOT** Eligible to the NRHP due to a lack of integrity and a lack of further research potential. Neither site yielded diagnostic artifacts, concentrations or patterns of artifacts, or features, nor do they appear to possess cultural depth. Therefore, it is unlikely that any significant information could be gathered from these sites in order to contribute to the existing body of knowledge regarding prehistoric use of the general project area.

Site 42Dc987 is recommended **ELIGIBLE** to the NRHP based upon the aforementioned criteria. The number of lithic tools at the site, although non-diagnostic, suggests intensive use of the site as a tool production area. Although the potential for buried culture-bearing deposits is fairly slight, bedrock is not exposed in the immediate site area, and depth must be assumed. Additionally, the bifacial tools at the site may lend themselves to further study in light of recent research regarding such tools in the Uinta Basin. Thus, site 42Dc987, is recommended **ELIGIBLE** to the NRHP under criterion **D**: the potential to yield information important to understanding the prehistory of the general project area. Avoidance of the site is recommended. If avoidance is not possible, more detailed recordation of the site, including collection of artifacts and monitoring during construction, will be required.

No significance recommendations are made for paleontological locality 42Dc242PV. All three fossil exposures included in this locality are outside the area of effect for the proposed well pad. They will not be impacted by construction activities. Therefore, paleontological clearance is recommended for the proposed project.

This investigation was conducted with techniques which are considered to be adequate for evaluating cultural and paleontological resources which could be adversely affected by the project. However, should such resources be discovered during construction, a report should be made immediately to the BLM District Archaeologist, Vernal District Office, Vernal, Utah.

APPENDIX:

PALEONTOLOGY REPORT FOR

TAR SANDS FEDERAL WELL #12-30

INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #12-30

NW/SW Section 30 , T8S, R17E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

MARCH 19, 1996

270-3 (Temporary)
(May 1994)

United States
Department of the Interior
Bureau of Land Management

Paleontological Locality Form

1. Permit #/Permittee: BLM - UT-S-95-004 ALDEN H. HAMBLIN

2. Repository/Accn.#: UTAH FIELD HOUSE OF NATURAL HISTORY

3. Locality #: 42DC PV [X] Plant [X] Vertebrate [ ] Invertebrate [ ] Other

4. Formation (and subdivision, if known): Uinta Formation, (B) or lower unit of Uinta

5. Age: Late Eocene

6. County: Uintah

7. BLM District: VERNAL

8. Resource Area: Diamond Mt.

9. Map name: Myton SE, Utah

10. Map source: USGS 7.5 1/2 min. Quad.

11. Map scale: 1:24,000

12. Map edition: 1964

13. Latitude (deg., min., sec., direction):

14. Longitude (deg., min., sec., direction):

or: UTM Grid Zone:	12 T	580667	mE	4437686	mN
Plants -		580580	mE	4437716	mN
Turtle -		580663	mE	4437609	mN

15. Survey (Section, Township & Range): NW1/4, SW1/4 of sec. 30, T8S, R17E, SLB&M

16. Taxa observed/collected: Nothing collected.

17. Discoverer(s)/Collector(s): Sheri Murray Elis. Recorded by Alden Hamblin

18. Date(s): March 19, 1996

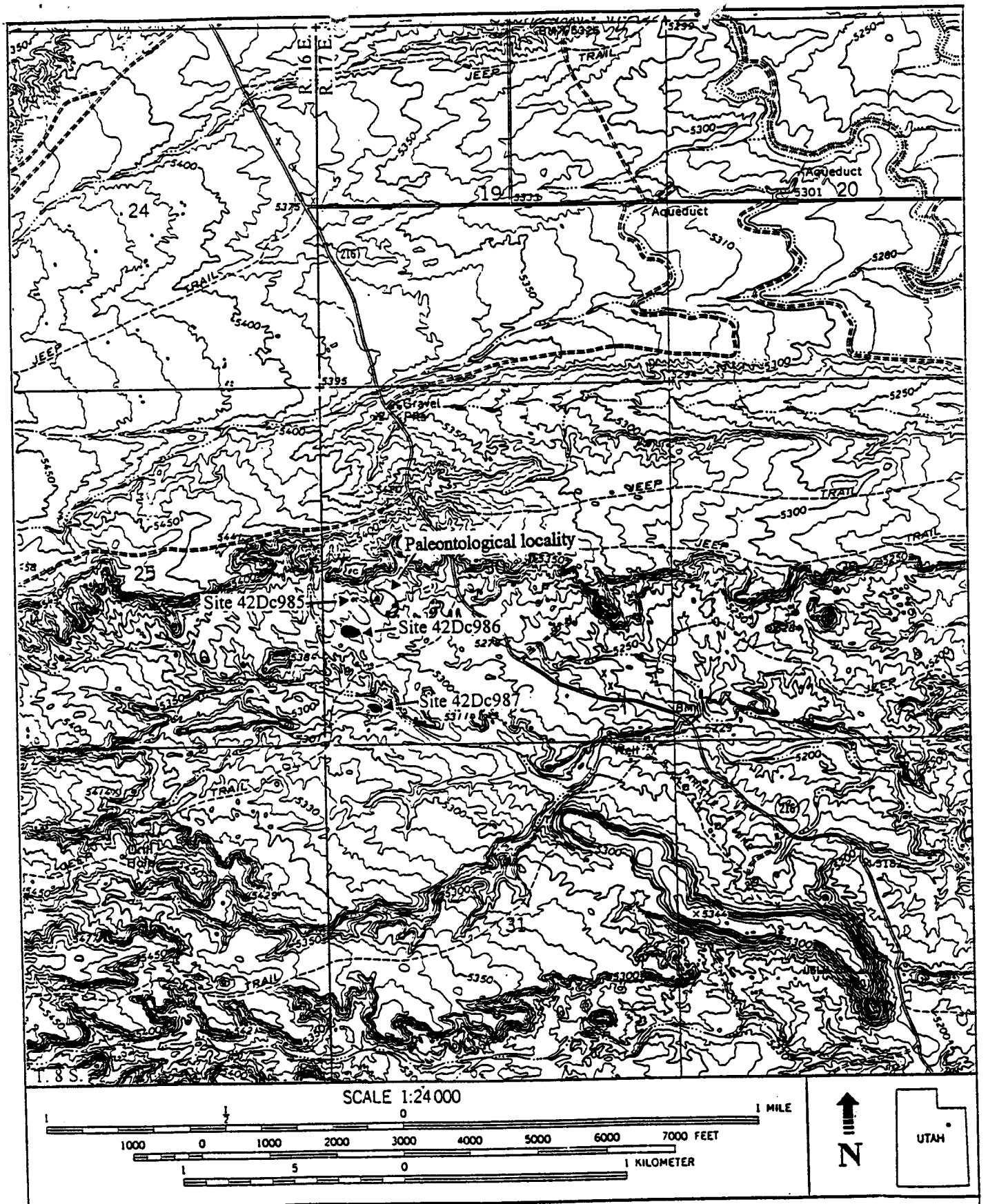
19. Remarks:

Found During archaeological survey Inland Tar Sands Federal #12-30.

PLANT IMPRESSIONS
IN SANDSTONE

PLANT IMPRESSIONS
IN SANDSTONE

TURTLE SHELL FRAGMENTS
MIXED WITH ROCKS



Location of archaeological sites and paleontological localities recorded during the inventory of Tar Sands Federal Wells #12-30 and #13-30. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/10/96

API NO. ASSIGNED: 43-013-31638

WELL NAME: TAR SANDS FEDERAL 13-30
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:
SWSW 30 - T08S - R17E
SURFACE: 0602-FSL-0699-FWL
BOTTOM: 0602-FSL-0699-FWL
DUCHESNE COUNTY
UNDESIGNATED FIELD (002)

LEASE TYPE: FED
LEASE NUMBER: U - 74869

PROPOSED PRODUCING FORMATION: GRRV

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

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Federal[✓] State[] Fee[]
(Number 4488944)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number WATER INT. WELL 7-32
N RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

___ R649-2-3. Unit: ___

✓ R649-3-2. General.

___ R649-3-3. Exception.

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

COMMENTS: ___

STIPULATIONS: ___

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: INLAND PRODUCTION CO	**Well Name: TAR SANDS FED 13-30**
Project ID: 43-013-31638	**Location: SEC. 30 - T08S - R17E**

Design Parameters:

Mud weight (8.40 ppg)	: 0.436	psi/ft
Shut in surface pressure	: 2396	psi
Internal gradient (burst)	: 0.068	psi/ft
Annular gradient (burst)	: 0.000	psi/ft

Tensile load is determined using air weight

Service rating is "Sweet"

Design Factors:

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

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,500	5.500	15.50	J-55	LT&C	6,500	4.825	

	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	2836	4040	1.425	2836	4810	1.70	100.75	217	2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah
Date : 05-20-1996
Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)

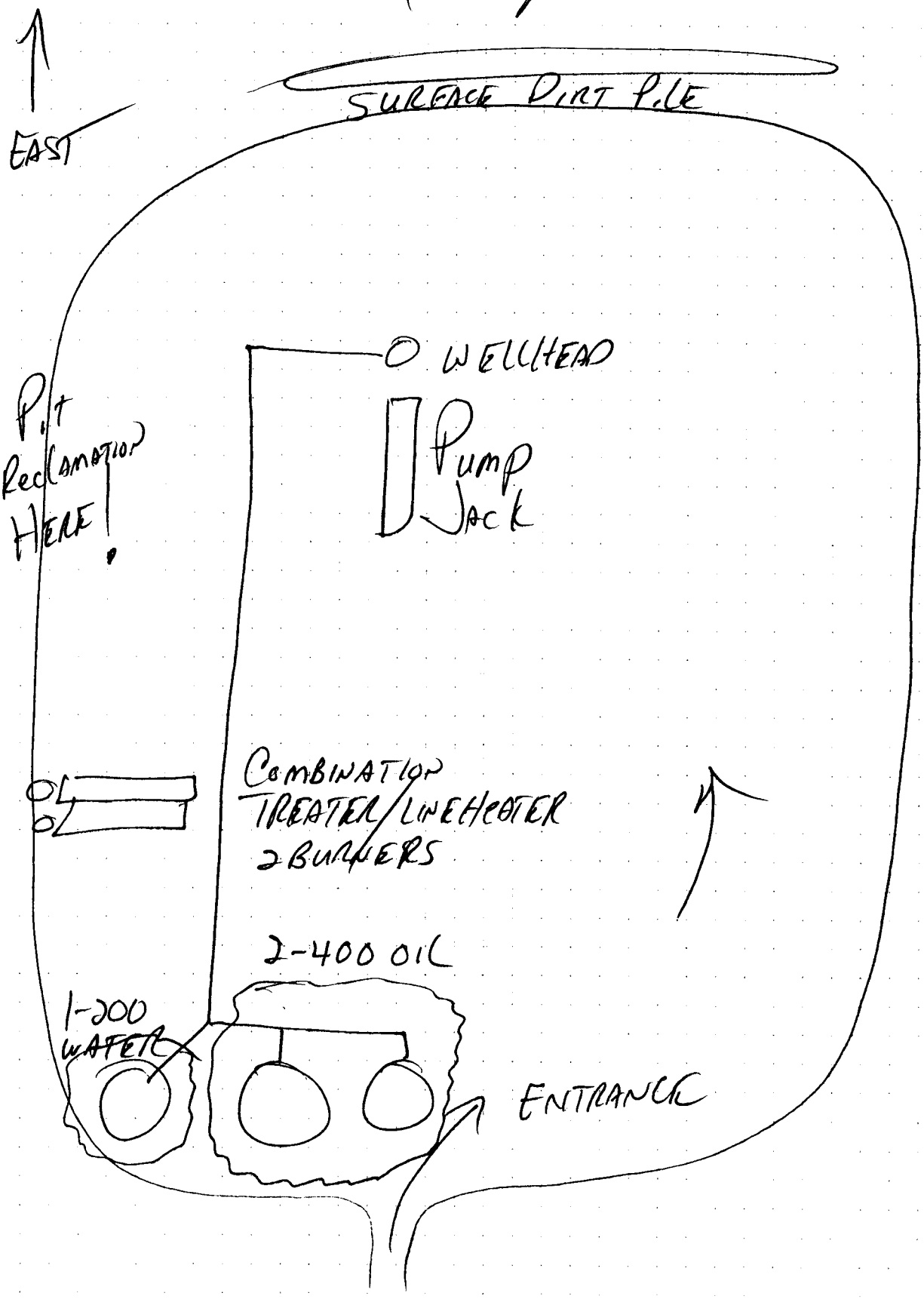
String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.436 psi/ft and 2,836 psi, respectively.

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

Inland Production Co
Tar Sands Fed #13-30
Sec 30; T8S; R17E
POW

U-74869
43-013-31637



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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

May 20, 1996

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

Re: Tar Sands Federal 13-30 Well, 603' FSL, 699' FWL,
SW SW, Sec. 30, 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 43-013-31637.

Sincerely,

R. J. Firth
Associate Director

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

Operator: Inland Production Company

Well Name & Number: Tar Sands Federal 13-30

API Number: 43-013-31637

Lease: U-74869

Location: SW SW **Sec.** 30 **T.** 8 S. **R.** 17 E.

Conditions of Approval

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

2. Notification Requirements
   Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

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

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

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Tar Sands Federal

9. WELL NO.: #13-30

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 30, T8S, R17E

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

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

2. NAME OF OPERATOR: Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SW/SW
At proposed prod. zone: 602.6' FSL & 698.9' FWL

RECEIVED APR 10 1996

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 9.8 miles south of Myton, Utah

12. COUNTY OR PARISH: Duchesne

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 602.6'

16. NO. OF ACRES IN LEASE: 1968.01

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1377.4'

19. PROPOSED DEPTH: 6500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5282.8'

22. APPROX. DATE WORK WILL START*: 3rd quarter 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

RECEIVED MAY 31 1996 DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL 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 Brad Mecham Brad Mecham TITLE Operations Manager DATE 4/5/96

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Elvin L. Brown TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAY 16 1996

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

Div OG&M

*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.

UT080-6M97

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Federal 13-30

API Number: 43-013-31637

Lease Number: U - 74869

Location: SWSW Sec. 30 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale zone, identified at 2340 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

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

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

5 .Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to ± 2,140 ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office. A Dual Lateral log will be run from TD to the base of the surface casing. A Sonic log will be run from TD to a minimum of 200 ft above the top of the Mahogany oil shale.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

7. Other Information

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

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

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

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

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

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

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

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

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

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman Petroleum Engineer	(801) 789-7077
Wayne P. Bankert Petroleum Engineer	(801) 789-4170
Jerry Kenczka Petroleum Engineer	(801) 781-11190
BLM FAX Machine	(801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes
Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM
Conditions of Approval (COAs)

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

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

-The proposed access road starts from the Monument Butte Fed. 16-25 located in the SE 1/4 SE 1/4 of Sec. 25 instead of Sec. 30 as stated in the APD.

-One silt catchment dam will be constructed in the drainage south of the location as flagged.

-The topsoil should be windrowed on the east end of the location between stakes 2 and 4.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION

Well Name: TAR SANDS FEDERAL 13-30

Api No. 43-013-31637

Section 30 Township 8S Range 17E County DUCHESNE

Drilling Contractor

Rig #:

SPUDDED:

Date: 6/25/96

Time: 10:00 AM

How: DRY HOLE

Drilling will commence:

Reported by: D. INGRAM-DOGM

Telephone #:

Date: 6/27/96 Signed: JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company

ADDRESS P.O. Box 1446
Roosevelt, Utah 84066

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11940	43-013-31637	Tar Sands Federal #13-30	SWSW	30	8S	17E	Duchesne	6/25/96	6/25/96

WELL 1 COMMENTS: Entity added 6-28-96. Lec

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

(3/89)

Signature Cheryl Cameron

Regulatory Compliance Specialist 6/26/96
Title Date

Phone No. (801) 722-5103

Inland
RESOURCES INC.

June 27,1996

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

ATTENTION: Lisha Cordova

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

Dear Lisha,

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

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

Sincerely,

Cori Brown
Secretary

/cb
Enclosures

Inland Production Company Field Office • P.O. Box 1446 • Roosevelt, UT 84066 • 801-722-5103 • FAX 801-722-9149

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

Inland
RESOURCES INC.

June 27, 1996

RECEIVED
JUL - 1 1996
DIV. OF OIL, GAS & MINING

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

ATTENTION: Wayne Bankert

Re: Tar Sands Federal #4-30
NW/NW Sec. 30, T8S, R17E

Tar Sands Federal #13-30
SW/SW Sec. 30, T8S, R17E

Tar Sands Federal #8-31
SE/NE Sec. 31, T8S, R17E

Monument Butte Federal #6-1
SE/NW Sec. 1, T9S, R16E

Monument Butte Federal NE #5-25
SW/NW Sec. 25, T8S, R16E

Dear Wayne,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notification on #13-30 and weekly status reports on the other above referenced locations. Copies will also be submitted to the State of Utah.

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

Sincerely,

Cori Brown
Secretary

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

/cb
Enclosures

Inland Production Company Field Office • P.O. Box 1446 • Roosevelt, UT 84066 • 801-722-5103 • FAX 801-722-9149

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-74869
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: Inland Production Company
3. Address and Telephone No.: P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): SW/SW 602.6' FSL & 698.9' FWL Sec. 30, T8S, R17E

8. Well Name and No.: Tar Sands Federal #13-30
9. API Well No.: 43-013-31637
10. Field and Pool, or Exploratory Area:
11. County or Parish, State: Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Spud Notification	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Drilled 12 1/4" hole w/ Leon Ross Rathole Rig to 303'. Set 289.38GL of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx of prem + w/ 2% CC & 2% Gel w/ 1/4# /sk flocele.

SPUD ON 6/25/96

RECEIVED
JUL - 1 19
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 6/27/96

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Tar Sands Federal 13-30

2. Name of Operator
Inland Production Company

9. API Well No.
43-013-31637

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

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/SW 602.6' FSL & 698.9' FWL
Sec. 30, T8S, R17E

11. County or Parish, State
Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Weekly Status	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

WEEKLY STATUS REPORT FOR WEEK OF 6/28/96 - 7/4/96:

Drilled 7 7/8" hole from 303' - 6140' w/ Kenting Apollo, Rig #56.
Run 6140.77' KB of 5 1/2" 15.5# J-55 csg. Cement w/ 320 sx Hybond w/ 28% POZ, 72% cmt, 6# fumed silica/sk 10% gel, 2# granulite/sk, 11 PPG, 340 sx Thixo w/ 10% Calseal, 14.2 PPG.

RECEIVED
JUL 15 1996
DIV. OF OIL, GAS & MINING

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

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 7/8/96

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

Inland
RESOURCES INC.

July 24, 1996

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

ATTENTION: Ed Forsman

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

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

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

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

Dear Ed,

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

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

Sincerely,

Cori Brown
Secretary

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

RECEIVED
JUL 25 1996
DIV. OF OIL, GAS & MINING

/cb
Enclosures

Inland Production Company Field Office • P.O. Box 1446 • Roosevelt, UT 84066 • 801-722-5103 • FAX 801-722-9149

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Tar Sands Federal #13-30

2. Name of Operator
Inland Production Company

9. API Well No.
43-013-31637

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

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/SW 602.6' FSL & 698.9' FWL
Sec. 30, T8S, R17E

11. County or Parish, State
Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Weekly status	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

WEEKLY STATUS REPORT FOR WEEK OF 7/15/96 - 7/22/96:

Perf CP sd @ 5844'-5851' & 6012'-6016'
Perf D sd @ 4940'-4944', 4952'-4954' & 5014'-5023'

RECEIVED
JUL 25 1996
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Cheryl Cameron Title Regulatory Compliance Specialist Date 7/24/96

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

Inland
RESOURCES INC.

July 25, 1996

RECEIVED
JUL 2 9 1996
DIV. OF OIL, GAS & MINING

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

ATTENTION: Ed Forsman

Re: Boundary Federal #7-20
SW/NE Sec. 20, T8S, R17E
Duchesne County, Utah

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

Monument Butte Federal Northeast #5-25
SW/NW Sec. 25, T8S, R16E
Duchesne County, Utah

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; status reports for the above referenced locations (two on the Boundary #7-20, dated 7/24 and 7/25/96). Copies will also be submitted to the State of Utah.

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

Sincerely,

Cori Brown

Cori Brown
Secretary

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

/cb
Enclosures

Inland Production Company Field Office • P.O. Box 1446 • Roosevelt, UT 84066 • 801-722-5103 • FAX 801-722-9149

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-74869
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:
8. Well Name and No.: Tar Sands Federal #13-30
9. API Well No.: 43-013-31637
10. Field and Pool, or Exploratory Area:
11. County or Parish, State: Duchesne County, Utah

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: Inland Production Company
3. Address and Telephone No.: P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): SW/SW 602.6' FSL & 698.9' FWL Sec. 30, T8S, R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other On production	[ ] 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.)*

RIH w/ production string

ON PRODUCTION 7/23/96

RECEIVED
JUL 29 1996
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Cheryl Cameron Title Regulatory COmpliance Specialist Date 7/25/96

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 28 1996
DIV. OF OIL, GAS & MINING

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME, WELL NO.: Tar Sands Federal #13-30

2. NAME OF OPERATOR: Inland Production Company

9. API WELL NO.: 43-013-31637

3. ADDRESS AND TELEPHONE NO.: P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: SW/SW
At top prod. interval reported below: 602.6' FSL & 698.9' FWL
At total depth:

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 30, T8S, R17E

14. PERMIT NO.: 43-013-31637 DATE ISSUED: 5/20/96

12. COUNTY OR PARISH: Duchesne 13. STATE: Utah

15. DATE SPUDDED: 6/25/96 16. DATE T.D. REACHED: 7/4/96 17. DATE COMPL. (Ready to prod.): 7/23/96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5282.8'GL 19. ELEV. CASINGHEAD: -

20. TOTAL DEPTH, MD & TVD: 6140' 21. PLUG, BACK T.D., MD & TVD: 6100.49' 22. IF MULTIPLE COMPL., HOW MANY*: 23. INTERVALS DRILLED BY: → ROTARY TOOLS: X CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Green River
5844'-5851', 6012'-6016', 4940'-4944', 4952'-4954', 5014'-5023'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: CBL, CNL, DLL 8-28-96

27. WAS WELL CORED: NO

28. 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#	289.38GL	12 1/4	120 sx Prem + w/2%CC, 2%Gel+1/4#/sk flocele	
5 1/2	15.5#	6140.77KB	7 7/8	320 sx Hybond & 340 sx Thixo w/10% Calseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
CP sd @ 5844'-5851', 6012'-6016'
D sd @ 4940'-4944', 4952'-4954', 5014'-5023'

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

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

33.* PRODUCTION

DATE FIRST PRODUCTION: 7/23/96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Pumping - 1 1/2" pump WELL STATUS (Producing or shut-in): Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 day average		n/a	→	32	68	2	2.1

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

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

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Logs in Item #26

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

SIGNED: Cheryl Cameron TITLE: Regulatory Compliance Spec. DATE: 8/13/96

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			#32.
			Perf CP sd @ 5844'-5851', 6012'-6016'
Garden Gulch Mkr	4240'		Frac w/ 83,900# 20/40 sd in 486 bbls gel
Point 3 Mkr	4518'		
X Mkr	4755'		Perf D sd @4940'-4944', 4952'-4954',
Y Mkr	4790'		5014'-5023'
Douglas Ck Mkr	4917'		Frac w/ 87,100# 20/40 sd in 470 bbls gel
BiCarbonate Mkr	5164'		
B Limestone	5294'		
Castle Peak	5790'		
Basal Carbonate	NDE		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

RECEIVED
OCT 17 1997
DIV OF OIL, GAS & MINING

INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

SAND WASH UNIT #441000

TAR SANDS FEDERAL #13-30

LEASE NO. U-74869

October 1, 1997

Cause 229-2

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
OCT 07 1997
DIV. OF OIL, GAS & MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079

Well name and number: P. Tar Sands Federal #13-30

Field or Unit name: Sand Wash Unit # 441000 Lease no. U-74869

Well location: QQ SWSW section 30 township 8S range 17E county Duchesne

Is this application for expansion of an existing project? . Yes [] No [X]

Will the proposed well be used for: Enhanced Recovery?... Yes [x] No []
Disposal? ..... Yes [] No [x]
Storage? ..... Yes [] No [x]

Is this appilcation for a new well to be drilled? ..... Yes [] No [x]

If this application is for an existing well,
has a casing test been performed on the well? ..... Yes [X] No []
Date of test: 7/15/96
API number: 43-013-31637

Proposed injection interval from 4940' to 6016'

Proposed maximum Injection: rate 500 BPD pressure 1927# psig

Proposed Injection zone contains [] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Exhibits "A" through G-2"

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

Name Cheryl Cameron
Title Regulatory Compliance Specialist
Phone No. (801) 789-1866

Signature Cheryl Cameron
Date 10/6/97

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1

1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.

2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. *The name and address of the operator of the project;*

Answer: Inland Production Company
P.O. Box 1446
W. Poleline Road
Roosevelt, Utah 84066

2.2. *A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-quarter mile radius of the project area;*

Answer: Reference Exhibit "A".

2.3. *A full description of the particular operation for which approval is requested;*

Answer: To approve the conversion of the Tar Sands Federal #13-30 from a producing oil well to a water injection well in the Sand Wash Unit in the Monument Butte Field; and to approve the installation of an injection line. The line would leave the injection facility at the Monument Butte Federal #15-25 and proceed easterly approximately 1320' ±, to the proposed Tar Sands Federal #13-30 injection well. The proposed injection line would be a 3" coated steel pipe, buried 5' below surface and would provide injection water to the Tar Sands Federal #13-30, from our existing water injection line. Reference Exhibit "B".

2.4. *A description of the pools from which the identified wells are producing or have produced;*

Answer: The proposed injection well will inject into the Green River Formation.

2.5. *The names, description and depth of the pool or pools to be affected;*

Answer: The Green River Formation pool targeted for injection is the CP and D sands with a gamma ray derived top estimated @ 5844' in the CP and 4940' in the D. The injection zone is a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above the D @ 5164', and below estimated at 5790' in the D. The injection zones are composed of tight, moderately calcareous lacustrine shale.

2.6. *A copy of a log of a representative well completed in the pool;*

Answer: Referenced log Tar Sands Federal #13-30 is on file with the Utah Division of Oil, Gas & Mining .

2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

Answer: Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	1000 BPD

2.8. *A list of all operators or owners and surface owners within a one-quarter mile radius of the proposed project;*

Answer: Reference Exhibit "C".

2.9. *An affidavit certifying that said operators or owners and surface owners within a one-quarter mile radius have been provided a copy of the petition for injection;*

Answer: Reference Exhibit "D".

2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

Answer: Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

Answer: This proposed injection well is within the Sand Wash Unit , in the Monument Butte Field and the request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS
SECTION V - RULE 615-5-2

1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.

2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-quarter mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-quarter mile radius of the proposed injection well;*

Answer: Reference Exhibits "A" and "C".

2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

Answer: All logs are on file with the Utah Division of Oil Gas & Mining.

2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

Answer: A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining.

2.4 *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

Answer: All copies of logs are on file with the Utah Division of Oil, Gas & Mining.

2.5 *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 289.38' GL, and the 5 1/2"casing from surface to 6140.77' KB. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-3".

2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

Answer: Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	1000 BPD

2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2)

the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

2.8. *The proposed average and maximum injection pressures;*

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Tar Sands Federal #13-30 averages approximately ~~.89~~ .85 psig/ft.

2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

Answer: The frac gradient for the Tar Sands Federal #13-30, for proposed zones (4940'- 6016') averages approximately ~~.89~~ .85 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

Proposed Maximum Injection Pressure: pm = [~~.89~~ .85 – (.433)(1.005)] 4940
pm= ~~1927#~~ 2058

2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

Answer: In the Tar Sands Federal #13-30, the injection zone is in the CP and D sands (4940'-6016',) and contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The estimated average porosity is ~~14~~ 12%; and the estimated fracture pressure is ~~1927~~ 2058# psi.

2.11. *A review of the mechanical condition of each well within a one-quarter mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

Answer: Exhibits "E-1" through "E-3".

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 insure proper flow management. Relief valves will also be utilized for high pressure relief.

2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-quarter mile radius of the proposed injection well;*

Answer: Exhibit "D".

2.13 *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

Answer: Inland Production Company will await review of this application and additional information will be submitted if required.

3) Applications for injection wells which are within a recovery project area will be considered for approval.

   3.1. Pursuant to Rule 615-5-1-3

   3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.

4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.

5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

INLAND PRODUCTION COMPANY

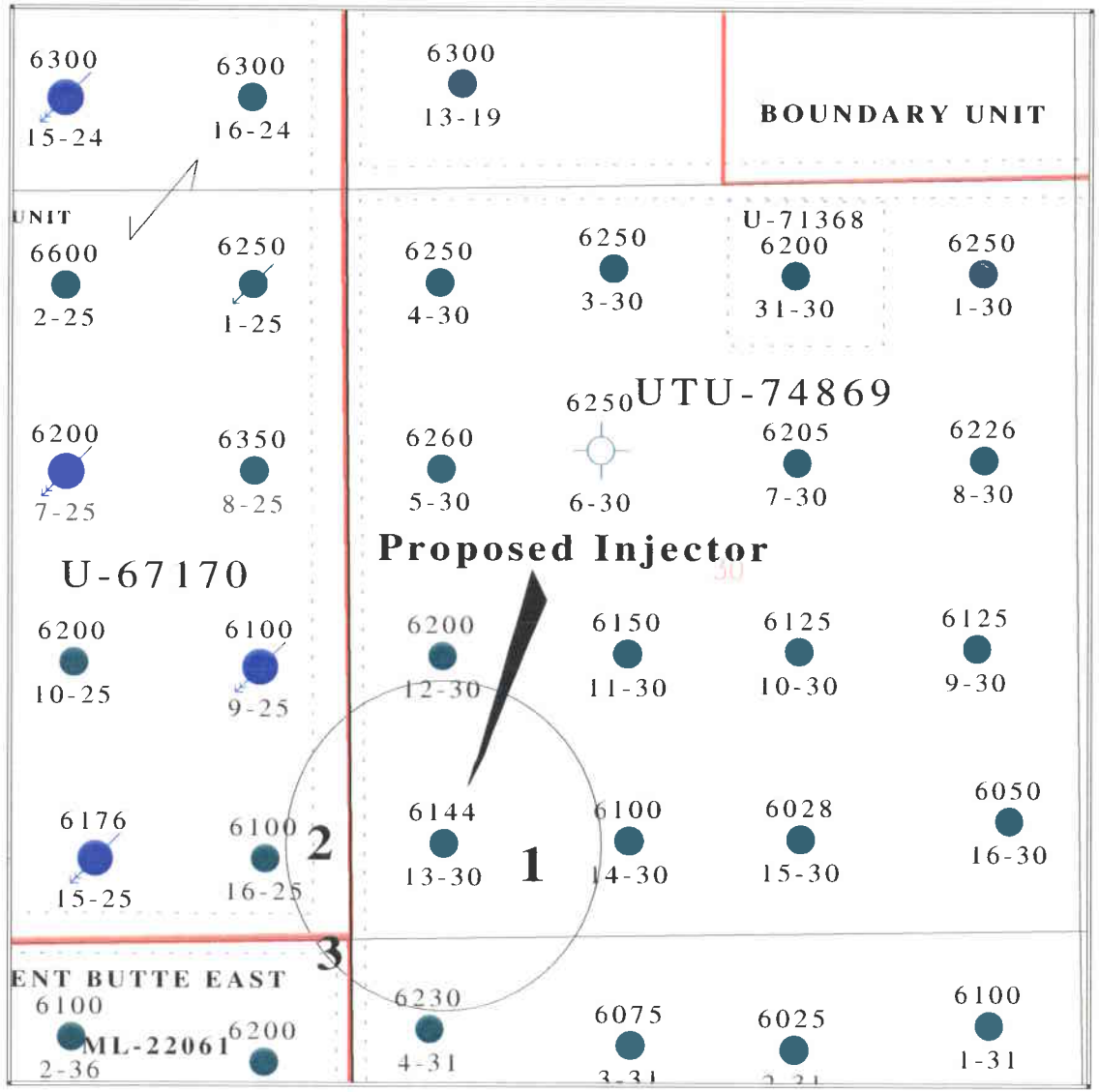
Tar Sands Federal #13-30
SW/SW Sec. 30, T8S, R17E
Duchesne County, Utah

PLUGGING & ABANDONMENT PLAN

The plugging and abandonment plan consists of the following plugs:

PLUG #1:	**Set 150' balanced plug inside 5 ½" csg from 3850' - 3650'. Circ well to 2200' w/ 9.2 PPG fluid.**
PLUG #2:	**Set 150' balanced plug inside 5 ½" csg from 2400'-2200'. Circ well to 320' w/ 9.2 PPG fluid.**
PLUG #3:	**Perforate 2' @ 2 spf 50' below the surface csg shoe @ 320'. RIH w/ tbg to 50' above the surface csg shoe @ 220', circ cmt to surface, circ to surface w/ 9.2 ppg plugging gel.**
PLUG #4:	**10 sx plug @ surface.**
	Install dry hole marker & restore location.

EXHIBIT "A"



TAR SANDS

DUCHESNE COUNTY, UTAH

MINERAL RIGHTS

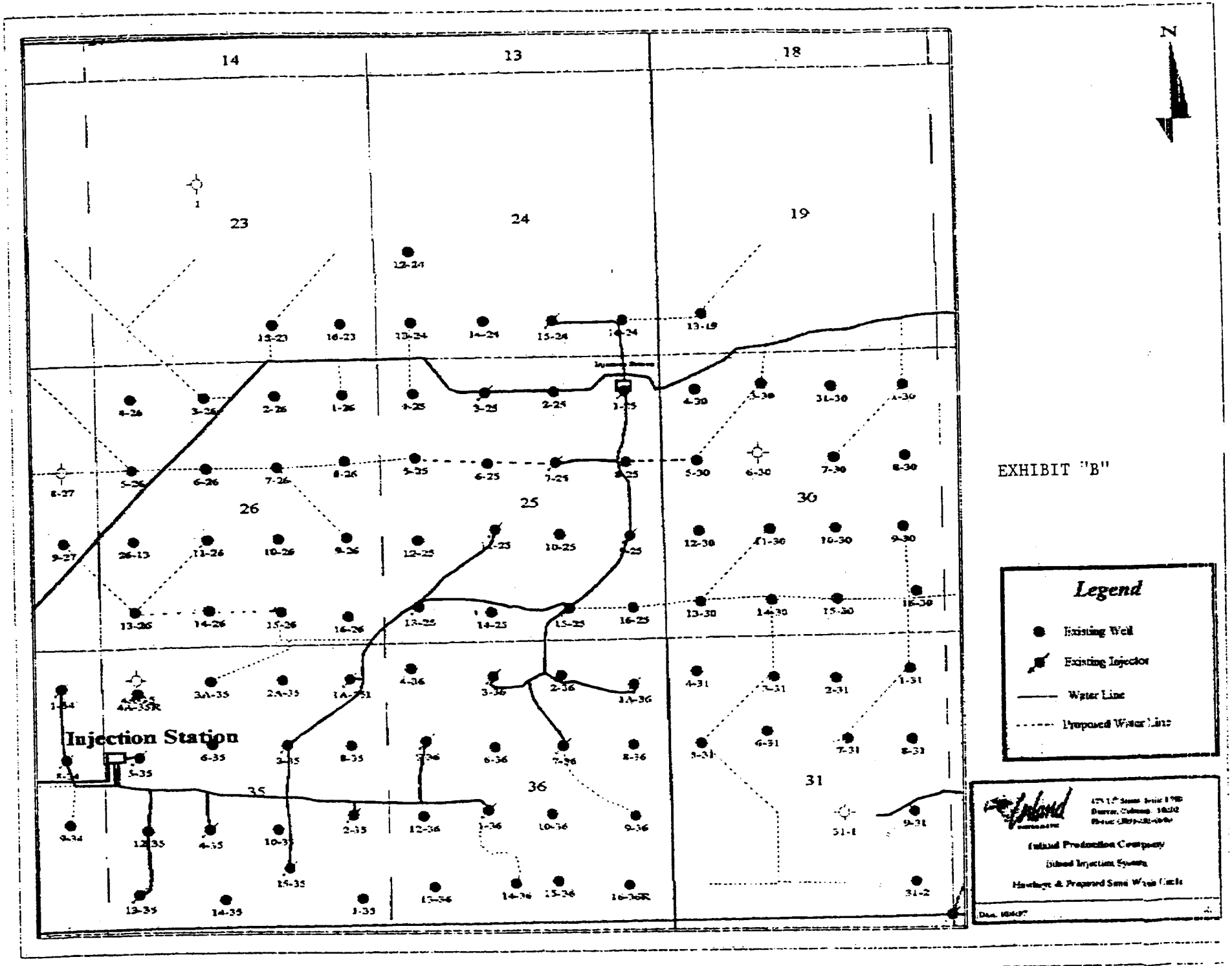
(GRAZING RIGHTS ONLY)
LESSEE:
ELMER MOON & SONS

EXHIBIT

Legend

- PRODUCING WELL
- EXISTING INJECTION WELL
- DRY HOLE

TAR SANDS FEDERAL 13-30 6144 TD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14
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Injection Station
EXHIBIT "B"
Legend
Existing Well
Existing Injector
Water Line
Proposed Water Line
Inland Production Company
Inland Injection System
Hawkeye & Proposed Sand Wash Circle

EXHIBIT "C"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 18: Lots 3, 4 Section 19: Lots 1, 2, E/2NW/4 (Excluding Patent #880415) Section 29: All 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-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
2.	Township 8 South, Range 16 East Section 24: S/2 Section 25: NE/4, E/2NW/4, S/2 Section 26: S/2SE/4	U-67170 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
3.	Township 8 South, Range 16 East Section 36: All	ML-22061 HBP	Inland Production Company	(Surface Rights) State (Grazing Rights) Elmer Moon & Sons

EXHIBIT "D"

RE: Application for Approval of Class II Injection Well
Tar Sands Federal #13-30.

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

Cheryl Cameron

INLAND PRODUCTION COMPANY
Cheryl Cameron
Regulatory Compliance Specialst

Sworn to and subscribed before me this 6 day of Oct. 1997.

Dale W. Slaugh

Notary Public in and for the State of Utah

Notary Public
DALE W. SLAUGH
758 West Main
Vernal, Utah 84078
My Commission Expires
February 1, 2000
State of Utah

EXHIBIT "E-1"

Tar Sands Federal #13-30

Spud Date: 6/29/96
Put on Production: 7/30/96
GL: 5282' KB: 5295'

Wellbore Diagram

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (290.48')
DEPTH LANDED: 289.38'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

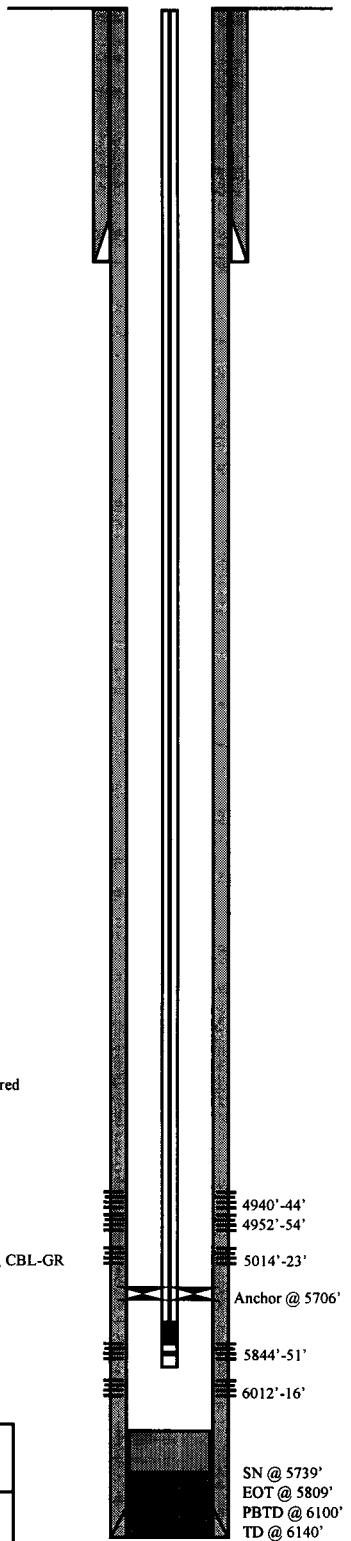
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 202 jts.
TUBING ANCHOR: 5706'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5809'
SN LANDED AT: 5739'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scrapered, 123-3/4" plain rods, 98-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 1-1/2" pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

7/17/96	5844'-6016'	**Frac CP-1 and CP-4 sands as follows:** 83,900# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2763 psi, treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi, 5-min 2170 psi. Flowback on 16/64" ck for 2-1/2 hrs & died.
7/20/96	4940'-5023'	**Frac D-1 and D-2 sand as follows:** 87,100# of 20/40 sd in 470 bbls of Boragel. Breakdown @ 2640 psi. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi, 5-min 2881 psi. Flowback on 16/64" ck for 2-1/2 hrs and died.

PERFORATION RECORD

7/17/96	5844'-5457'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes

Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31637; Lease #U-74869

EXHIBIT "E-2"

Tar Sands Federal #13-30

Spud Date: 6/29/96
Put on Injection: --/--/--
GL: 5282' KB: 5295'

Proposed Injection Diagram

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (290.48')
DEPTH LANDED: 289.38'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

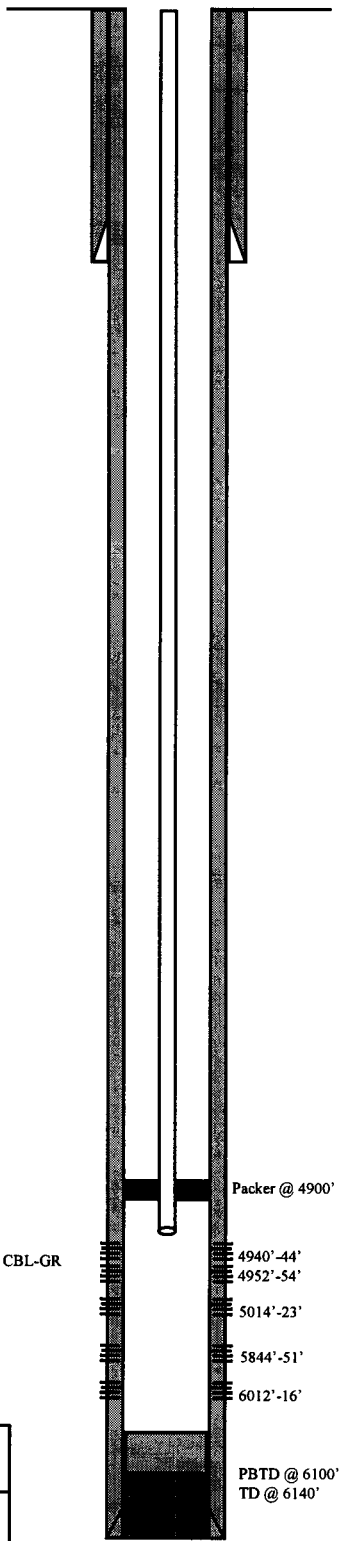
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:
NO. OF JOINTS:
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:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

7/17/96 5844'-6016' **Frac CP-1 and CP-4 sands as follows:** 83,900# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2763 psi, treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi, 5-min 2170 psi. Flowback on 16/64" ck for 2-1/2 hrs & died.

7/20/96 4940'-5023' **Frac D-1 and D-2 sand as follows:** 87,100# of 20/40 sd in 470 bbls of Boragel. Breakdown @ 2640 psi. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi, 5-min 2881 psi. Flowback on 16/64" ck for 2-1/2 hrs and died.

PERFORATION RECORD

7/17/96	5844'-5457'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes

Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31637; Lease #U-74869

EXHIBIT "E-3"

Tar Sands Federal #13-30

Spud Date: 6/29/96
Plugged: --/--/--
GL: 5282' KB: 5295'

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

Proposed Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (290.48')
DEPTH LANDED: 289.38'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

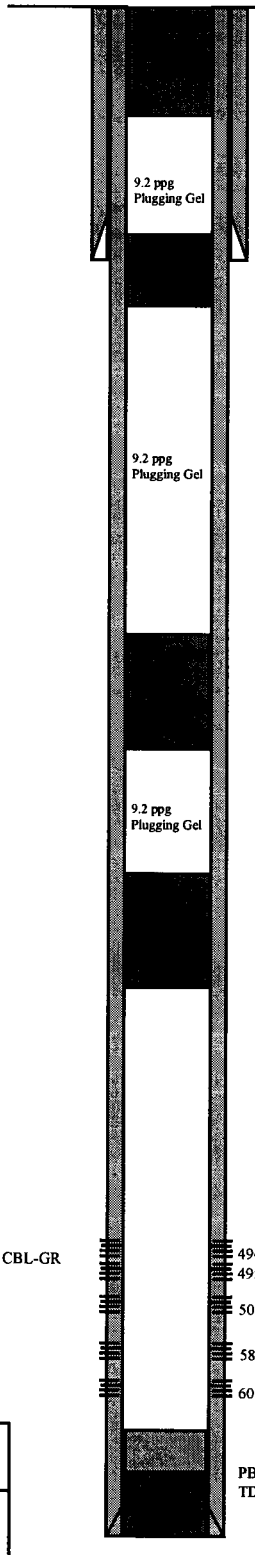
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:
NO. OF JOINTS:
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:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



Plug #4: 10 sx plug @ surface

15 sxs Class "G" cement 320'-220' (100')

Plug #3: RIH w/ perforation. Perforate 2' @ 2 spf 50' below the surface csg shoe @ 320'. RIH w/ tbg to 50' above the surface csg shoe @ 220', circ cmt to surface, circ to surface w/ 9.2 ppg plugging gel.

30 sxs Class "G" cement 2,400'-2,200' (200')

Plug #2: Set 150' balanced plug inside 5 1/2" csg from 2400'-2200' circ well to 320' w/ 9.2 ppg plugging gel.

30 sxs Class "G" cement 3,850'-3,650' (200')

Plug #1: Set 150' balanced plug inside 5 1/2" csg from 3850'-3650' circ well to 2200' w/ 9.2 ppg plugging gel.

Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31637; Lease #U-74869

EXHIBIT "F-1"

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

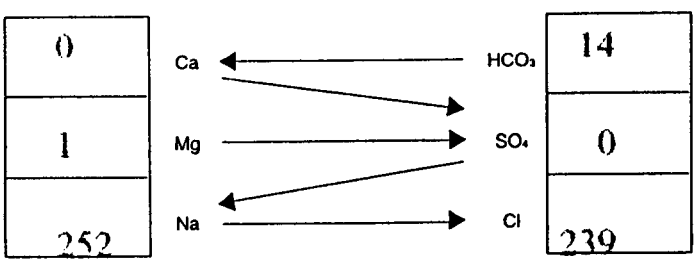
Company INLAND Address _____ Date 02-03-97

Source TS 13-30 Date Sampled _____ Analysis No. _____

	Analysis		mg/l(ppm)		*Meg/l	
1. PH	8.9					
2. H_2S (Qualitative)	0					
3. Specific Gravity	1.005					
4. Dissolved Solids			15,137			
5. Alkalinity ($CaCO_3$)			50			
6. Bicarbonate (HCO_3)		HCO_3	850	÷ 61	14	HCO_3
7. Chlorides (Cl)		Cl	8,500	÷ 35.5	239	Cl
8. Sulfates (SO_4)		SO_4	0	÷ 48	0	SO_4
9. Calcium (Ca)		Ca	4	÷ 20	0	Ca
10. Magnesium (Mg)		MG	12	÷ 12.2	1	Mg
11. Total Hardness ($CaCO_3$)			60			
12. Total Iron (Fe)			1.0			
13. Manganese						
14. Barium (Qualitative)						
15. Phosphate Residuals						

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
$Ca(HCO_3)_2$	81.04				
$CaSO_4$	68.07				
$CaCl_2$	55.50				
$Mg(HCO_3)_2$	73.17		1		73
$MgSO_4$	60.19				
$MgCl_2$	47.62				
$NaHCO_3$	84.00		13		1,092
Na_2SO_4	71.03				
NaCl	58.46		239		13,972

Saturation Values	Distilled Water 20°C
$CaCO_3$	13 Mg/l
$CaSO_4 \cdot 2H_2O$	2,090 Mg/l
$MgCO_3$	103 Mg/l

REMARKS _____

EXHIBIT "F-2"

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
LOCATION:
SYSTEM:

02-05-97

WATER DESCRIPTION:	BOUNDARY INJECTIO	TS 13-30
P-ALK AS PPM CaCO3	0	50
M-ALK AS PPM CaCO3	400	850
SULFATE AS PPM SO4	40	0
CHLORIDE AS PPM Cl	530	8500
HARDNESS AS PPM CaCO3	180	60
CALCIUM AS PPM CaCO3	64	4
MAGNESIUM AS PPM CaCO3	5	12
SODIUM AS PPM Na	19	5796
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1443	15137
TEMP (DEG-F)	100	100
SYSTEM pH	7.6	8.9

WATER COMPATIBILITY CALCULATIONS
BOUNDARY INJECTIO AND TS 13-30
CONDITIONS: TEMP.=100AND pH=8.3
WATER ONE IS BOUNDARY INJECTIO

% OF WATER # 1	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	.73	17	0	0	0
90	.66	15	0	0	0
80	.58	12	0	0	0
70	.49	10	0	0	0
60	.38	7	0	0	0
50	.27	5	0	0	0
40	.14	2	0	0	0
30	-.01	0	0	0	0
20	-.19	0	0	0	0
10	-.41	0	0	0	0
0	-.82	0	0	0	0

EXHIBIT "F-3"

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND 02-05-97
LOCATION:
SYSTEM:

WATER DESCRIPTION:	MONUMENT BUTTE IN	TS 13-30
P-ALK AS PPM CaCO3	0	50
M-ALK AS PPM CaCO3	450	850
SULFATE AS PPM SO4	50	0
CHLORIDE AS PPM Cl	350	8500
HARDNESS AS PPM CaCO3	140	60
CALCIUM AS PPM CaCO3	40	4
MAGNESIUM AS PPM CaCO3	10	12
SODIUM AS PPM Na	345	5796
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	15137
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.9

WATER COMPATIBILITY CALCULATIONS
MONUMENT BUTTE IN AND TS 13-30
CONDITIONS: TEMP.=100AND pH=8.1
WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	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	.36	7	0	0	0
90	.28	5	0	0	0
80	.20	4	0	0	0
70	.11	2	0	0	0
60	0	0	0	0	0
50	-.11	0	0	0	0
40	-.24	0	0	0	0
30	-.38	0	0	0	0
20	-.54	0	0	0	0
10	-.73	0	0	0	0
0	-1.02	0	0	0	0

EXHIBIT "F-4"

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND 02-05-97
LOCATION:
SYSTEM:

WATER DESCRIPTION: TS 13-30

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO3	50	50
M-ALK AS PPM CaCO3	850	850
SULFATE AS PPM SO4	0	
CHLORIDE AS PPM Cl	8500	8500
HARDNESS AS PPM CaCO3	60	60
CALCIUM AS PPM CaCO3	4	4
MAGNESIUM AS PPM CaCO3	12	12
SODIUM AS PPM Na	5796	5796
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	15137	14810
TEMP (DEG-F)	100	
SYSTEM pH	8.9	
pH		8.9

RESULTS:

IONIC STRENGTH-MOLAL	.252
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	14810

SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	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
80	-.41	0	0	0	0
100	-.17	0	0	0	0
120	.11	0	0	0	0
140	.43	0	0	0	0
160	.70	1	0	0	0
180	1.08	1	0	0	0
200	1.47	1	0	0	0

EXHIBIT "G-1"

HALLIBURTON

EXECUTIVE SUMMARY

On July 17, 1996 zone I (Castle Peak 5,844-6,016 ft) on the Tar Sands 13-30 well was stimulated with 83,900 pounds of 20/40 Ottawa sand at a rate of 28 BPM and an average treating pressure of 2,000 psi. The zone broke at 2,763 psi decreased to 1,550 psi then increased through the end of the job. The zone had a 0.58 frac which would indicate a average permeability for this zone. Fracpro showed multiple fractures were initiated during the job.

The job went as per design with no fluid, equipment, or electronic problems. A 3-D real time fracture model (Frac Pro) was run during the job and a good pressure match was obtained after the job that showed multiple fractures with one being dominate and predicted the following:

Propped Height.-	197 ft.
Propped Length-	100 ft.
Frac Grad.-	0.58
Conductivity-	2500 md-ft

Overview of job showed good frac with average permeability and good conductivity. With the net pressure increase of 650 psi, the zone should have excellent proppant placement. Because of the average frac. gradient and average permeability the zone should be average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

Chip Koerner
Wellsite II Engineer

HALLIBURTON ENERGY SERVICES

JOB SUMMARY

Well No. 13-30 Lease TAR SAND
Customer INLAND PRODUCTION COMPANY
Job Type FRAC JOBS
Job Id 002850100496
Date 07-17-96
Operator CURTIS/WINTER

Job Information

CONTRACTOR:	BASIN WELL SERVICE
JOB PURPOSE:	08 FRAC JOBS
JOB DESCRIPTION:	BORAGEL G 35/30-195
PERFORMED THRU:	
CALLED OUT:	07-17-96
ON LOCATION:	07-17-96 15:45
STARTED:	07-17-96 17:29
COMPLETED:	07-17-96 17:53

Well Information

OWNER NAME:	INLAND PRODUCTION COMPANY		
WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	145	BOT HOLE PSI:	3700
TOTAL DEPTH:	6100	PBTD:	

Pressures in PSI

AVERAGE:	2000	MAXIMUM:	2980
BREAKDOWN:	2763		
FLUSH:	1850	FRAC GRADIENT:	0.85
ISIP:	2497	5-MIN:	2170
10-MIN:		15-MIN:	

Volumes

PREPAD:		GAL	PREPAD TYPE:		
LOAD & BKDN:		GAL	TREATMENT:	11626	GAL
FLUSH:	5796	GAL			
PAD:	3000	GAL			
GAS ASSIST:		TON	TYPE:	AT:	SC
F/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM	GAL	
TOTAL VOLUME:	20422	GAL			

Hydraulic Horsepower

ORDERED:	3000	AVAILABLE:	3000	USED:	1373

Average Rates in BPM

TREATING:	28.0	FLUSH:	28.5	OVERALL:	28.0

EXHIBIT "G-2"

HALLIBURTON

EXECUTIVE SUMMARY

On July 19, 1996 zone II (D Sand 4,940-5,023 ft) on the Tar Sands 13-30 well was stimulated with 87,100 pounds of 20/40 Ottawa sand at a rate of 26.4 BPM and an average treating pressure of 2,400 psi. The zone broke at 2,640 psi decreased to 1,850 psi then increased through the end of the job. The zone had a 0.65 frac which would indicate a average permeability for this zone. Fracpro showed multiple fractures were initiated during the job.

The job went as per design with no fluid, equipment, or electronic problems. A 3-D real time fracture model (Frac Pro) was run during the job and a good pressure match was obtained after the job that showed multiple fractures with one being dominate and predicted the following:

Propped Height.-	188 ft.
Propped Length-	99 ft.
Frac Grad.-	0.65
Conductivity-	3000 md-ft

Overview of job showed good frac with average permeability and excellent conductivity. With the net pressure increase of 900 psi, the zone should have excellent proppant placement. Because of the average frac. gradient and average permeability the zone should be average to above average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

Chip Koerner
Wellsite II Engineer

HALLIBURTON	Well No. 13-30	Lease TAR SANDS	Job Id 002850100500
ENERGY SERVICES	Customer INLAND PRODUCTION COMPANY		Date 07-19-96
OB SUMMARY	Job Type FRAC JOBS		Operator CURTIS/WINTER

Job Information

CONTRACTOR: BASIN WELL SERVICE
JOB PURPOSE: 08 FRAC JOBS
JOB DESCRIPTION: BORAGEL G-3530-195
PERFORMED THRU: CASING__
CALLED OUT: 07-19-96
ON LOCATION: 07-19-96 13:00
STARTED: 07-19-96 15:17
COMPLETED: 07-19-96 16:05

Well Information

OWNER NAME: INLAND PRODUCTION COMPANY

WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	145	BOT HOLE PSI:	3200
TOTAL DEPTH:	6149	PBTD:	5140

Pressures in PSI

AVERAGE:	2400	MAXIMUM:	3200
BREAKDOWN:	2640		
FLUSH:	2600	FRAC GRADIENT:	1.02
ISIP:	2938	5-MIN:	2881
10-MIN:	1975	15-MIN:	1787✓

Volumes

PREPAD:		GAL	PREPAD TYPE:		
LOAD & BKDN:		GAL	TREATMENT:	11833	GAL
FLUSH:	4826	GAL			
PAD:	3000	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
F/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	19759	GAL			

Hydraulic Horsepower

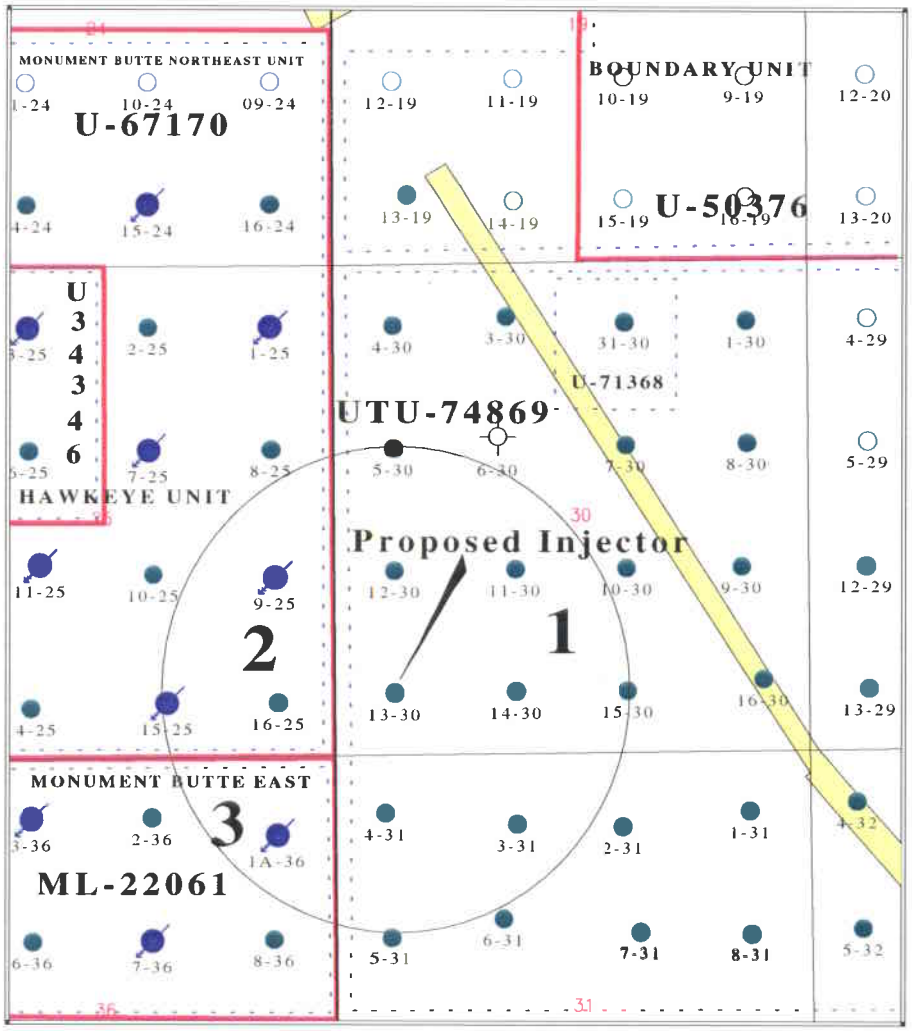
ORDERED: 3000 AVAILABLE: 3000 USED: 1553

Average Rates in BPM

TREATING: 26.4 FLUSH: 27.6 OVERALL: 26.4

TAR SANDS
DUCHESNE COUNTY, UTAH
MINERAL RIGHTS

(GRAZING RIGHTS ONLY)
LESSEE:
ELMER MOON & SONS



EXHIBIT

Legend

- PRODUCING WELL
- EXISTING INJECTION WELL
- DRY HOLE

TAR SANDS FEDERAL 13-30 6144 TD

EXHIBIT B

Page 1

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 18: Lots 3, 4 Section 19: Lots 1, 2, E/2NW/4 (Excluding Patent #880415) Section 29: All 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-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
2.	Township 8 South, Range 16 East Section 24: S/2 Section 25: NE/4, E/2NW/4, S/2 Section 26: S/2SE/4	U-67170 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
3.	Township 8 South, Range 16 East Section 36: All	ML-22061 HBP	Inland Production Company	(Surface Rights) State (Grazing Rights) Elmer Moon & Sons

Tar Sands Federal #13-30

Spud Date: 6/29/96
Put on Production: 7/30/96
GL: 5282' KB: 5295'

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (290.48')
DEPTH LANDED: 289.38'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

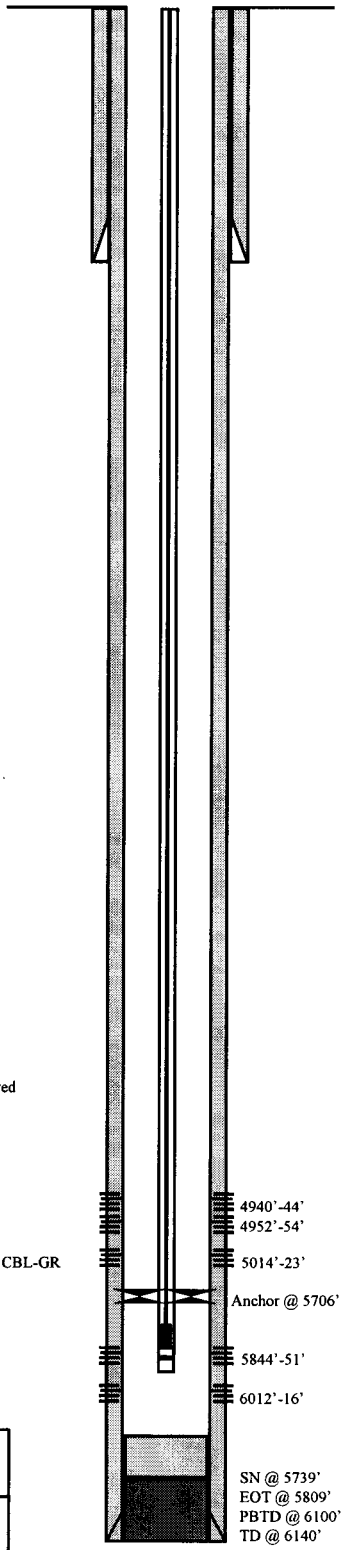
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 202 jts.
TUBING ANCHOR: 5706'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5809'
SN LANDED AT: 5739'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scrapered, 123-3/4" plain rods, 98-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 1-1/2" pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

7/17/96 5844'-6016' **Frac CP-1 and CP-4 sands as follows:** 83,900# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2763 psi, treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi, 5-min 2170 psi. Flowback on 16/64" ck for 2-1/2 hrs & died.

7/20/96 4940'-5023' **Frac D-1 and D-2 sand as follows:** 87,100# of 20/40 sd in 470 bbls of Boragel. Breakdown @ 2640 psi. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi, 5-min 2881 psi. Flowback on 16/64" ck for 2-1/2 hrs and died.

PERFORATION RECORD

7/17/96	5844'-5457'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes

Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31637; Lease #U-74869

Tar Sands Federal #14-30

Spud Date: 12/13/96
Put on Production: --/--/--
GL: 5300' KB: 5313'

Initial Production: ? BOPD, ? MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts.(293.58')
DEPTH LANDED: 292.78' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 2 bbls to surf.

PRODUCTION CASING

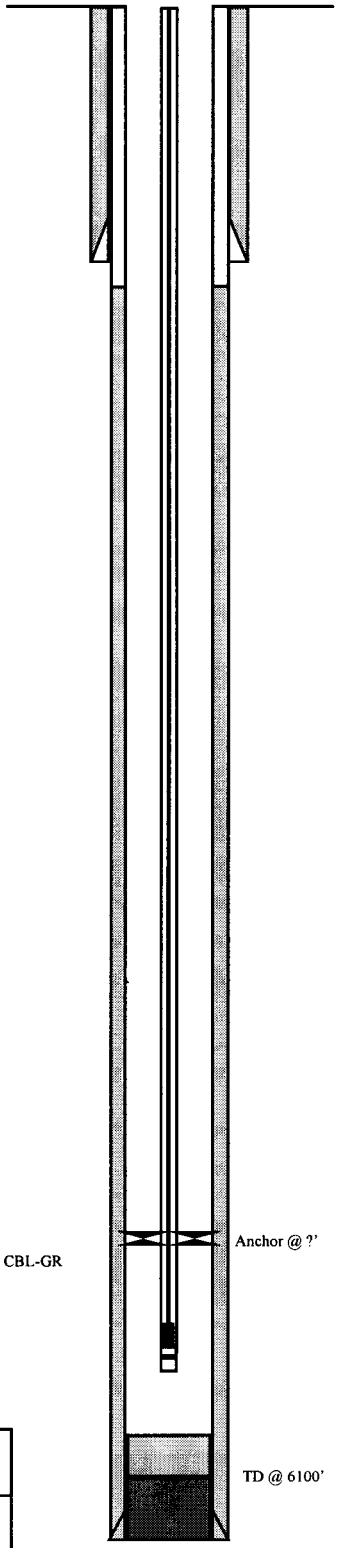
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (?')
DEPTH LANDED: 6100'
HOLE SIZE: 7-7/8"
CEMENT DATA: 340 sk Hibond mixed & 320 sxs thixotropic
CEMENT TOP AT: 902' per CBL

TUBING

SIZE/GRADE/WT.:
NO. OF JOINTS: Waiting On Completion
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:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

Waiting on Completion 1/8/97

PERFORATION RECORD

Waiting On Competion

Inland Resources Inc.

Tar Sands Federal #14-30

755 FSL 1930 FWL

NENW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31711; Lease #U-74869

Tar Sands Federal #15-30

Spud Date: 7/11/97
Put on Production: 8/20/97
GL: 5284' KB: 5296'

Wellbore Diagram

Initial Production:82 BOPD, 84 MCFPD, 14 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (285.29')
DEPTH LANDED: 283.60' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

PRODUCTION CASING

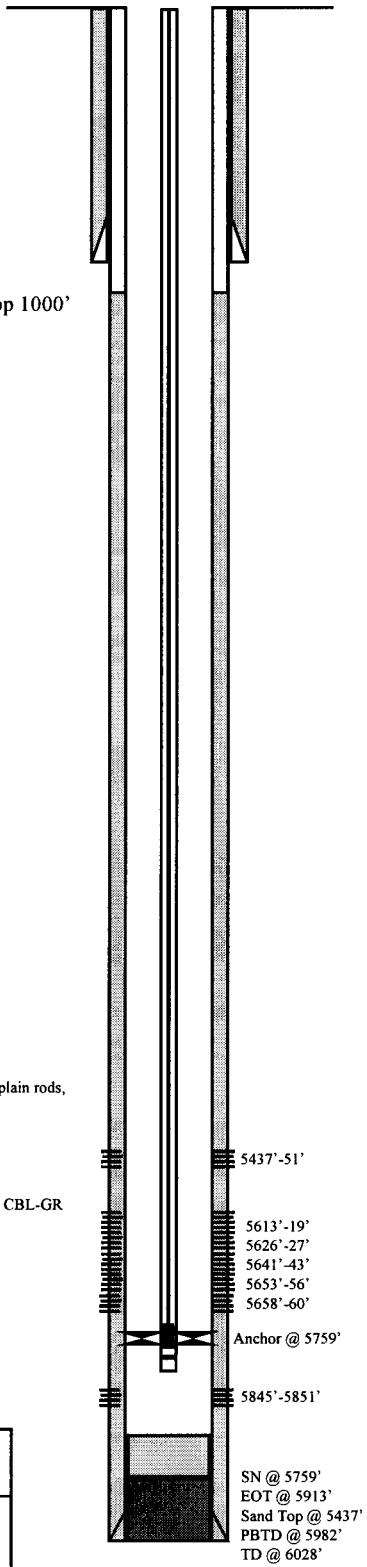
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (6016.44')
DEPTH LANDED: 6032.80' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 445 sxs Hibond mixed & 360 sxs thixotropic
CEMENT TOP AT: 1000' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#
NO. OF JOINTS: 189 jts
TUBING ANCHOR: 5759'
SEATING NIPPLE: 5-1/2" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5913')
SN LANDED AT: 5821'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 98-3/4" scrapered, 4 - 1-1/2" guided rods, 121-3/4" plain rods,
PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump
STROKE LENGTH: 64"
PUMP SPEED, SPM: 8 - 1/2 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

8/14/97 5613'-5851' **Frac LDC/CP sand as follows:** 135,900# of 20/40 sand in 644 bbls of Boragel. Breakdown @ 2526 psi. Treated @ avg rate of 36.3 bpm w/avg press of 1900 psi. ISIP-2101 psi, 5-min 1946 psi. Flowback on 12/64" ck for 5 - 1/2 hours and died.

8/16/97 5437'-5451' **Frac A sands as follows:** 106,600# of 20/40 sand in 556 bbls of # Boragel. Breakdown @ 3278 psi. Treated @ avg rate of 25.3 bpm w/avg press of 2012 psi. ISIP-2501 psi, 5-min 2411 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

PERFORATION RECORD

8/14/97	5845'-5851'	4 JSPF	24 holes
8/14/97	5658'-5660'	4 JSPF	8 holes
8/14/97	5653'-5656'	4 JSPF	12 holes
8/14/97	5641'-5643'	4 JSPF	8 holes
8/14/97	5626'-5627'	4 JSPF	4 holes
8/14/97	5613'-5619'	4 JSPF	24 holes
8/16/97	5437'-5451'	4 JSPF	56 holes

Inland Resources Inc.

Tar Sands Federal #15-30

1980 FEL 660 FSL

NENE Section 2-T8S-R17E

Duchesne Co, Utah

API #43-013-31874; Lease #U-74869

Tar Sands Federal #12-30

Spud Date: 7/20/96
Put on Production: 9/6/96
GL: 5315' KB: 5328'

Initial Production: 135 BOPD, 362 MCFPD, 4 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (289.88')
DEPTH LANDED: 288.28'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

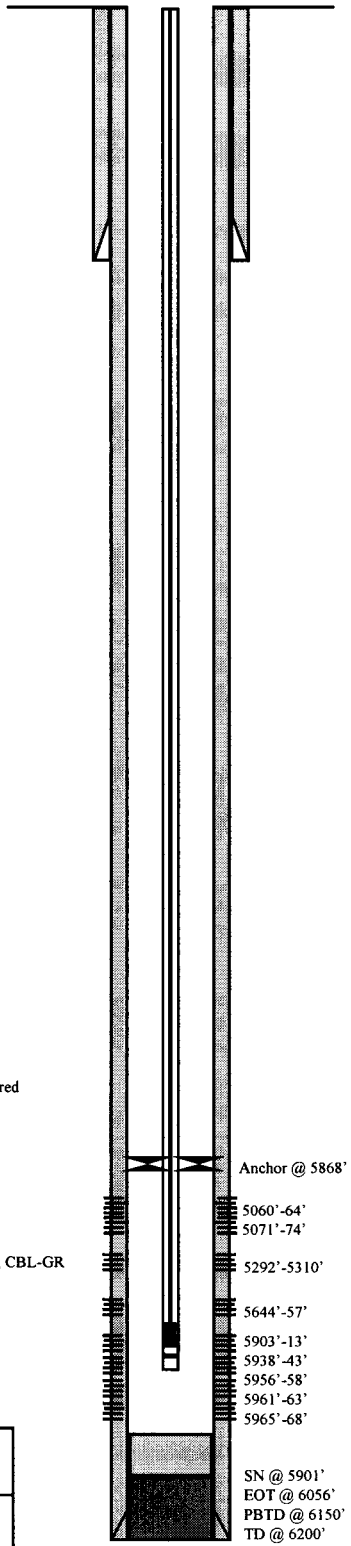
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6209.12')
DEPTH LANDED: 6203.12'
HOLE SIZE: 7-7/8"
CEMENT DATA: 270 sk Hyfill mixed & 330 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 198 jts.
TUBING ANCHOR: 5868'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6056'
SN LANDED AT: 5901'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8- 1" scrapered, 127-3/4" plain rods, 96-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 15" RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 7 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

8/26/96 5903'-5968' **Frac CP-1 & CP-2 sands as follows:** 111,200# of 20/40 sand in 582 bbls of Boragel. Breakdown @ 2483 psi. Treated @ avg rate of 24 bpm w/avg press of 2000psi. ISIP: 2200 psi, 5-min 2049 psi. Flowback on 12/64" ck for 4-1/2 hrs and died.

8/28/96 5644'-5657' **Frac LDC sand as follows:** 105,600# of 20/40 sand in 551 bbls of Boragel. Breakdown @ 1936 psi. Treated @ avg rate of 20.5 bpm w/avg press of 2250 psi. ISIP-3018 psi, 5-min 2718 psi. Flowback on 12/64" ck for 4 hrs and died..

8/30/96 5292'-5310' **Frac B-1 sand as follows:** 115,000# of 20/40 sand in 572 bbls of Boragel. Breakdown @ 2508 psi. Treated @ avg rate of 20 bpm w/avg press of 1700 psi. ISIP-2107 psi, 5-min 2078 psi. Flowback on 12/64" ck for 3 hrs and died.

9/3/96 5060'-5074' **Frac D-2 sand as follows:** 100,500# of 20/40 sand in 545 bbls of Boragel. Breakdown @ 1752 psi. Treated @ avg rate of 20.4 bpm w/avg press of 1750 psi. ISIP-2727 psi, 5-min 1908 psi. Flowback on 12/64" ck for 3 hrs and died.

PERFORATION RECORD

8/24/96	5903'-5913'	4 JSPF	40 holes
8/24/96	5938'-5943'	4 JSPF	20 holes
8/24/96	5956'-5958'	4 JSPF	8 holes
8/24/96	5961'-5963'	4 JSPF	8 holes
8/24/96	5965'-5968'	4 JSPF	12 holes
8/27/96	5644'-5657'	4 JSPF	48 holes
8/29/96	5292'-5310'	4 JSPF	68 holes
8/31/96	5060'-5064'	4 JSPF	16 holes
8/24/96	5071'-5074'	4 JSPF	12 holes

Inland Resources Inc.

Tar Sands Federal #12-30

660 FWL 1980 FSL

NWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31543; Lease #U-74869

Tar Sands Federal #11-30

Spud Date: 12/2/96
Put on Production: 1/14/97
GL: 5299' KB: 5312'

Initial Production: 108 BOPD, 121 MCFPD, 6 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts.(285.79')
DEPTH LANDED: 284.19' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

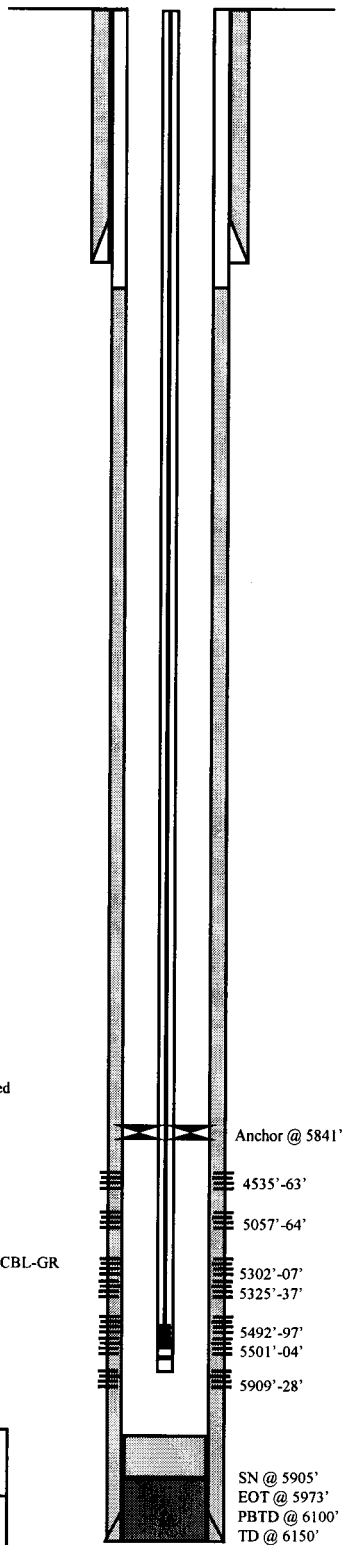
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6151')
DEPTH LANDED: 6148'
HOLE SIZE: 7-7/8"
CEMENT DATA: 330 sk Hibond mixed & 320 sxs thixotropic
CEMENT TOP AT: 278' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 188 jts.
TUBING ANCHOR: 5841'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5973')
SN LANDED AT: 5905'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1" scrapered, 133-3/4" plain rods, 98-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 8
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

1/2/97 5909'-5928' **Frac CP-1 sand as follows:** 79,700# of 20/40 sand in 498 blls of Borgel. Breakdown @ 2842 psi. Treated @ avg rate of 25.2 bpm w/avg press of 1450 psi. ISIP-1924 psi, 5-min 1761 psi. Flowback on 12/64" ck for 3 hours and died.

1/4/97 5492'-5504' **Frac A-3 sand as follows:** 64,800# of 20/40 sand in 432 bbls of Boragel. Breakdown @ 3318 psi. Treated @ avg rate of 22.1 bpm w/avg press of 2180 psi. ISIP-2497 psi, 5-min 2330 psi. Flowback on 12/64" ck for 2 hours and died.

1/8/97 5302'-5337' **Frac B-1 sand as follows:** 79,800# of 20/40 sand in 459 bbls of Boragel. Breakdown @ 3745 psi. Treated @ avg rate of 20.1 bpm w/avg press of 2200 psi. ISIP-2295, 5-min 2105 psi. Flowback on 12/64" ck for 2 hours and died.

1/9/97 5057'-5064' **Frac D-2 sand as follows:** 80,400# of 20/40 sand in 475 bbls of Boragel. Treated @ avg rate of 20.5 bpm w/avg press of 1800 psi. Breakdown @ 2535 psi. ISIP: 2365 psi, 5-min 2322 psi. Flowback on 12/64" ck for 3 hours and died.

6/22/97 4535'-4563' **Frac GB sand as follows:** 192,340# of 20/40 sand in 480 bbls of Boragel. Treated @ avg rate of 26.2 bpm w/avg press of 2300 psi. Breakdown @ 2785 psi. ISIP: 3309 psi, 5-min 2425 psi. Flowback on 12/64" ck for 4 hours and died.

PERFORATION RECORD

12/30/96	5909'-5928'	4 JSPF	76 holes
1/3/97	5492'-5497'	4 JSPF	20 holes
1/3/97	5501'-5504'	4 JSPF	16 holes
1/6/97	5302'-5307'	4 JSPF	20 holes
1/6/97	5325'-5337'	4 JSPF	48 holes
1/9/97	5057'-5064'	4 JSPF	28 holes
6/20/97	4550'-4563'	4 JSPF	52 holes
6/20/97	4535'-4541'	4 JSPF	24 holes

Inland Resources Inc.

Tar Sands Federal #11-30

1935 FWL 2015 FSL

NESW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31732; Lease #U-74869

Tar Sands Federal #5-30

Spud Date: 8/5/96
Put on Production: 9/19/96
GL: 5420' KB: 5433'

Initial Production: 69 BOPD, 102 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (294.78')
DEPTH LANDED: 292.18'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

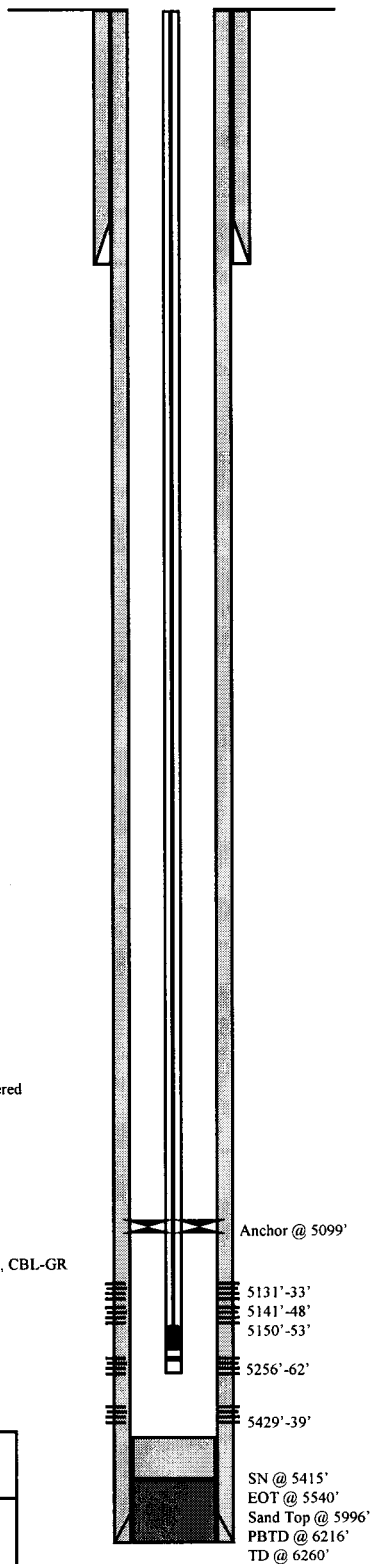
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6269.79')
DEPTH LANDED: 6261.79'
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 199 jts.
TUBING ANCHOR: 5099'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5540'
SN LANDED AT: 5415'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scrapered, 112-3/4" plain rods, 96-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 15" RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 7 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

9/11/96 5429'-5439' **Frac B-1 sand as follows:** 71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000psi. Flowback on 12/64" ck for 3 hrs and died.

9/13/96 5256'-5262' **Frac D-3 sand as follows:** 71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000 psi. Flowback on 12/64" ck. for 2 hrs and died.

9/16/96 5131'-5153' **Frac D-1 sand as follows:** 63,400# of 20/40 sand in 377 bbls o Boragel. Breakdown @ 780 psi. Treated @ avg rate of 18.3 bpm w/ avg press of 1650 psi. ISIP-2399 psi, 5-min 2390 psi. Flowback on 12/64" ck for 3 hrs and died.

PERFORATION RECORD

9/10/96	5429'-5439'	4 JSPF	40 holes
9/12/96	5256'-5262'	4 JSPF	24 holes
9/14/96	5131'-5133'	4 JSPF	8 holes
9/14/96	5141'-5148'	4 JSPF	28 holes
9/14/96	5150'-5153'	4 JSPF	12 holes

Inland Resources Inc.

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL

SWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31620; Lease #U-74869

Tar Sands Federal #3-31

Spud Date: 7/8/97
Put on Production: 8/11/97
GL: 5283' KB: 5296'

Initial Production: 61 BOPD, 133 MCFPD, 7 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (296.30')
DEPTH LANDED: 294.56'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

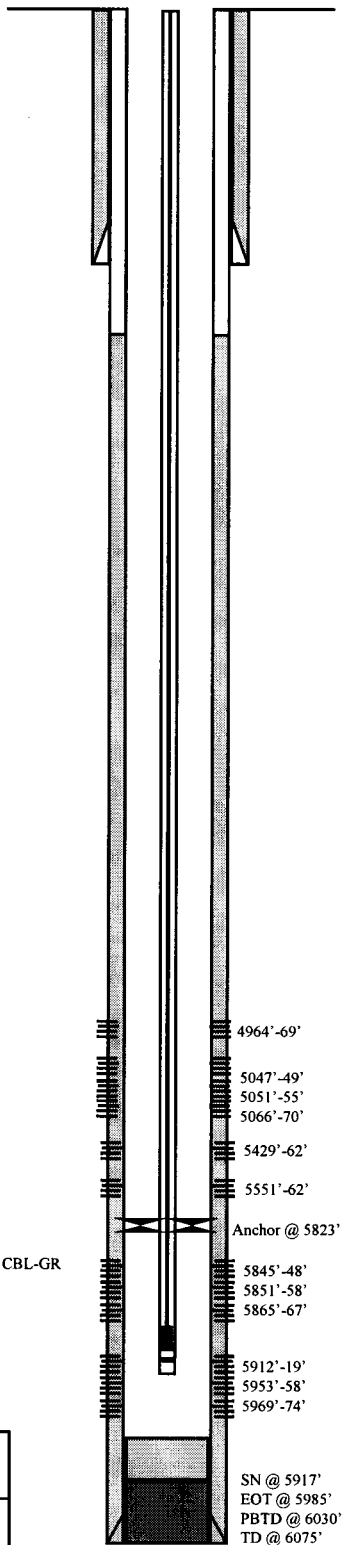
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6033.86')
DEPTH LANDED: 6075.54'
HOLE SIZE: 7-7/8"
CEMENT DATA: 340 sk HiBond mixed & 320 sxs thixotropic
CEMENT TOP AT: 977' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.
NO. OF JOINTS: 194 jts.
TUBING ANCHOR: 5823'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5985'
SN LANDED AT: 5917'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4-1" guided, 133-3/4" plain rods, 99-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 z 12 x 15 RHAC pump
STROKE LENGTH: 84"
PUMP SPEED, SPM: 8 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

8/2/97 5845'-5974' **Frac CP-2 & CP-4 sands as follows:** 109,400# of 20/40 sand in 573 bbls of Boragel. Brokedown @ 2609 psi. Treated @ avg rate of 31.4 w/avg pressure of 1300 psi. ISIP-1912 psi. 5-min 1358 psi. Flowback on 12/64" ck for 2-1/2 hours until dead.

8/5/97 5429'-5562' **Frac A-3 & LODC sands as follows:** 106,000# of 20/40 sand in 550 bbls of Boragel. Broke down @ 2630 psi. Treated w/avg press of 1500 psi @ avg rate of 30.5 bpm. ISIP 1851 psi, 5-min 1740 psi, 10-min 1512 psi, 15-min 1443 psi. Start Flowback after 5-min SI @ 1 bpm until dead.

8/7/97 4964'-5070' **Frac C & D-2 sands as follows:** 107,100# of 20/40 sand in 510 bbls of Boragel. Breakdown @ 2043 psi. Treated @ avg rate of 27.5 bpm w/avg press of 2270 psi. ISIP-3261 psi, 5-min SI: 3141 psi. Flowback @ 1 bpm until dead.

PERFORATION RECORD

8/1/97	5845'-5848'	4 JSPF	12 holes
8/1/97	5851'-5858'	4 JSPF	28 holes
8/1/97	5865'-5867'	4 JSPF	8 holes
8/1/97	5912'-5919'	4 JSPF	28 holes
8/1/97	5953'-5958'	4 JSPF	20 holes
8/1/97	5969'-5974'	4 JSPF	20 holes
8/5/97	5429'-5462'	2 JSPF	66 holes
8/5/97	5551'-5562'	4 JSPF	44 holes
8/6/97	4964'-4969'	4 JSPF	20 holes
8/6/97	5047'-5049'	4 JSPF	32 holes
8/6/97	5051'-5055'	4 JSPF	16 holes
8/6/97	5066'-5070'	4 JSPF	16 holes

Inland Resources Inc.

Tar Sands Federal #3-31

771 FNL 1978 FWL

NENW Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-31733; Lease #U-74869

Tar Sands Federal #4-31

Spud Date: 7/27/96
Put on Production: 8/26/96
GL: 5312' KB: 5325'

Initial Production: 45 BOPD, 45 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

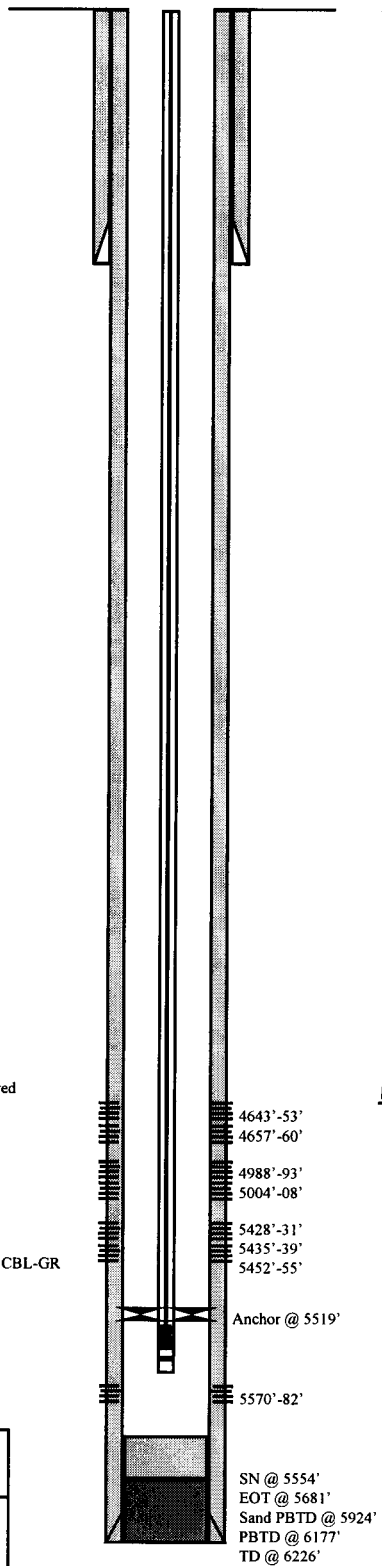
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 155 jts. (6224.10')
DEPTH LANDED: 6222.10'
HOLE SIZE: 7-7/8"
CEMENT DATA: 330 sk Hybond mixed & 370 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 197 jts.
TUBING ANCHOR: 5519'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5681'
SN LANDED AT: 5554'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8- 1" scrapered, 114-3/4" plain rods, 99-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 z 12 x 15 RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 7 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

8/14/96 5570'-5582' **Frac LDC sand as follows:** 87,700# 20/40 sand in 484 bbls of Boragel. Breakdown @ 2889 psi. Treated @ avg rate of 20 bpm w/avg press of 200 psi. ISIP-2339 psi, 5-min 2161 psi. Flowback on 12/64" ck. for 2-1/2 hrs & died.

8/16/96 5428'-5455' **Frac A-3 sand as follows:** 86,700# of 20/40 sand in 478 bbls of Boragel. Breakdown @ 2200 psi. Treated @ avg rate of 18.3 bpm w/avg press of 2050 psi. ISIP-3007 psi, 5-min 2832 psi. Flowback on 12/64" ck. for 3 hrs and died.

8/19/96 4988'-5008' **Frac D-2 sand as follows:** 86,500# of 20/40 sand in 475 bbls of Boragel. Breakdown @ 2734 psi. Treated @ avg rate of 18 bpm 2/avg press of 2200 psi. ISIP-2793 psi, 5-min 2749 psi. Flowback on 12/64" ck. for 1-1/2 hrs and died.

8/21/96 4643'-4660' **Frac PB-10 sand as follows:** 99,400# of 20/40 sand in 546 bbls of Boragel. Breakdown @ 3615 psi. Treated @ avg rate of 22.2 bpm w/avg press of 2600 psi. ISIP-3453 psi, 5-min 3188 psi. Flowback on 12/64" ck. for 3-1/2 hrs and died.

PERFORATION RECORD

8/13/96	5570'-5582'	4 JSPF	48 holes
8/15/96	5428'-5431'	4 JSPF	12 holes
8/15/96	5435'-5439'	4 JSPF	16 holes
8/15/96	5452'-5455'	4 JSPF	12 holes
8/17/96	4988'-4993'	4 JSPF	20 holes
8/17/96	5004'-5008'	4 JSPF	16 holes
8/20/96	4643'-4653'	4 JSPF	40 holes
8/20/96	4657'-4660'	4 JSPF	12 holes

Inland Resources Inc.

Tar Sands Federal #4-31

549 FWL 635 FNL

NWNW Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-31606; Lease #U-74869

Tar Sands Federal #5-31

Spud Date: 6/9/97
Put on Production: 7/21/97
GL: 5336' KB: 5348'

Initial Production: 121 BOPD, 128 MCFPD, 7 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (304.93')
DEPTH LANDED: 303.04' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

Cement Top NA

PRODUCTION CASING

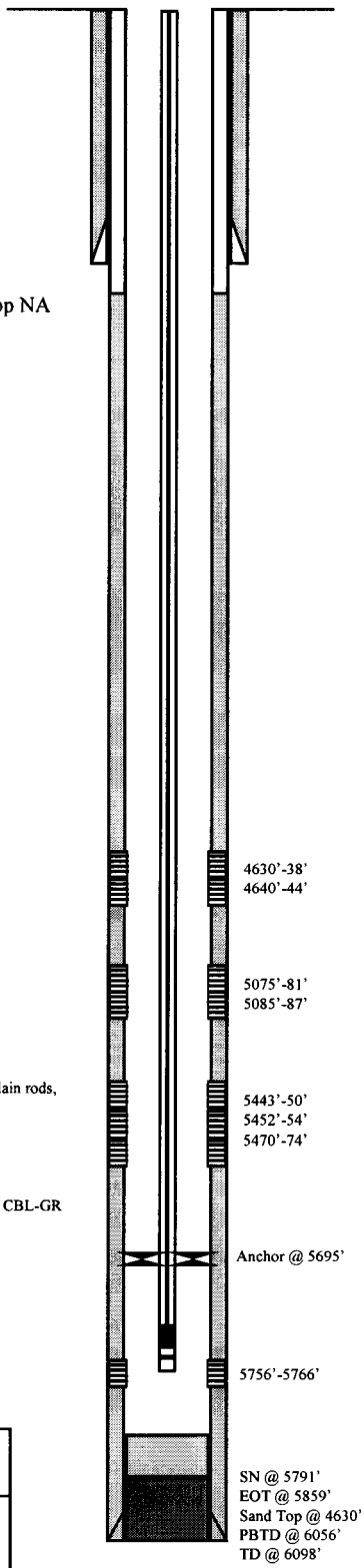
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (6102.52')
DEPTH LANDED: 6096.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 405 sxs Hibond mixed & 360 sxs thixotropic
CEMENT TOP AT: NA per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#
NO. OF JOINTS: 183 jts
TUBING ANCHOR: 5695'
SEATING NIPPLE: 2 - 7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5859')
SN LANDED AT: 5791'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 99-3/4" scrapered, 4-1-1/2" guided rods, 122-3/4" plain rods,
PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 8 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

7/8/97 5756'-5766' **Frac CP sand as follows:** 93,500# of 20/40 sand in 508 bbls of Boragel. Breakdown @ 3680psi. Treated @ avg rate of 26.5 bpm w/avg press of 2250 psi. ISIP-2353 psi, 5-min 2166 psi. Flowback on 12/64" ck for 3 hours and died.

7/10/97 5443'-5474' **Frac A sand as follows:** 80,800# of 20/40 sand in 451 bbls of Boragel. Breakdown @ 2648psi. Treated @ avg rate of 24.7 bpm w/avg press of 1750 psi. ISIP-2143 psi, 5-min 1752 psi. Flowback on 12/64" ck for 3 hours and died.

7/12/97 5075'-5087' **Frac C sand as follows:** 90,300# of 20/40 sand in 4662 bbls of Boragel. Breakdown @ 2453psi. Treated @ avg rate of 27 bpm w/avg press of 2400 psi. ISIP-3264 psi, 5-min 2933 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

7/15/97 4630'-4644' **Frac PB sand as follows:** 72,500# of 20/40 sand in 396 bbls of Boragel. Breakdown @ 2974psi. Treated @ avg rate of 22.5 bpm w/avg press of 2250 psi. ISIP-3553 psi, 5-min 3429 psi. Flowback on 12/64" ck for 3 hours and died.

PERFORATION RECORD

7/8/97	5756'-5766'	4 JSPF	40 holes
7/10/97	5470'-5474'	4 JSPF	16 holes
7/10/97	5452'-5454'	4 JSPF	8 holes
7/10/97	5443'-5450'	4 JSPF	28 holes
7/12/97	5085'-5087'	4 JSPF	8 holes
7/12/97	5075'-5081'	4 JSPF	24 holes
7/15/97	4640'-4644'	4 JSPF	16 holes
7/15/97	4630'-4638'	4 JSPF	32 holes

Inland Resources Inc.

Tar Sands Federal #5-31

660 FWL 1980 FNL

NENE Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-31607; Lease #U-74869

Monument Butte Federal #9-25

Spud Date: 4/28/96
Put on Production: 5/18/96
GL: 5327' KB: 5340'

Initial Production: 95 BOPD, 33 MCFPD, 1 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

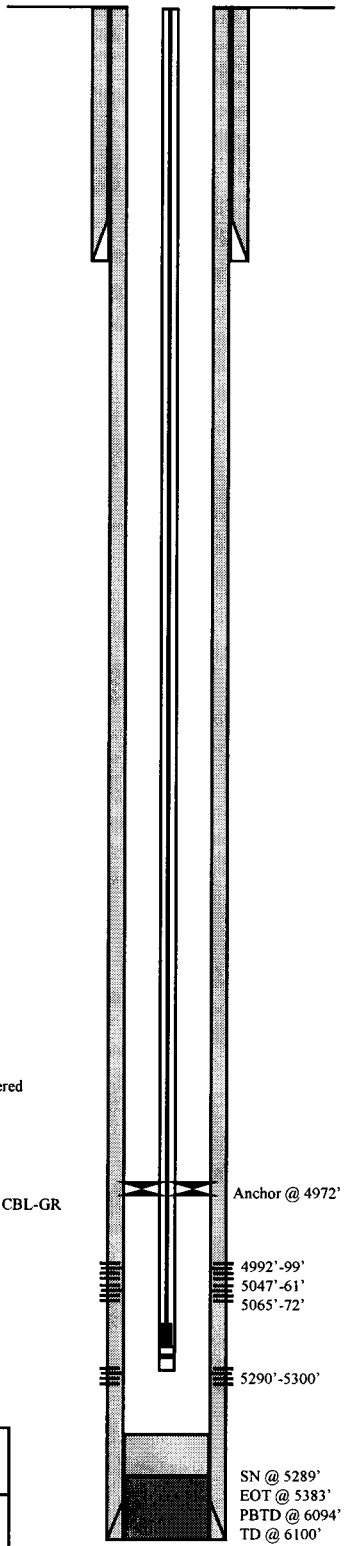
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sks Hyfill mixed & 360 sks thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 176 jts
TUBING ANCHOR: 4972'
TOTAL STRING LENGTH: ? (EOT @ 5383')
SN LANDED AT: 5289'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scrapered, 106-3/4" slick rods, 97-3/4" scrapered
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

5/14/96	5290'-5300'	**Frac B-1 sand as follows:** 60,100 20/40 sd in 412 bbls Boragel frmtn. Brokedown @ 2876#, avg TP 2250 @ 18.5 bpm. ISIP-2312 psi, 5-min 2176 psi. Flow well back on 16/64" ck @ 1.5 bpm.
5/16/96	4992'-5072'	**Frac D-1 & D-2 zone as follows:** 78,500# of 20/40 sd in 477 bbls Boragel. Breakdown @ 2005# treated w/avg rate of 18.7 bpm @ 1800 psi. ISIP-2234 psi, 5-min SI 2124 psi. Start flowback on 16/64" ck @ 1.8 bpm.

PERFORATION RECORD

5/13/96	5290'-5300'	4 JSPF	40 holes
5/15/96	4992'-4999'	4 JSPF	28 holes
5/15/96	5047'-5061'	4 JSPF	52 holes
5/15/96	5065'-5072'	4 JSPF	28 holes

Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

API #43-013-31600; Lease #U-67170

Monument Butte Federal #9-25

Spud Date: 4/28/96
Plugged: --/--/--
GL: 5327' KB: 5340'

Initial Production: 95 BOPD, 33 MCFPD, 1 BWPD

Plugging Diagram

SURFACE CASING

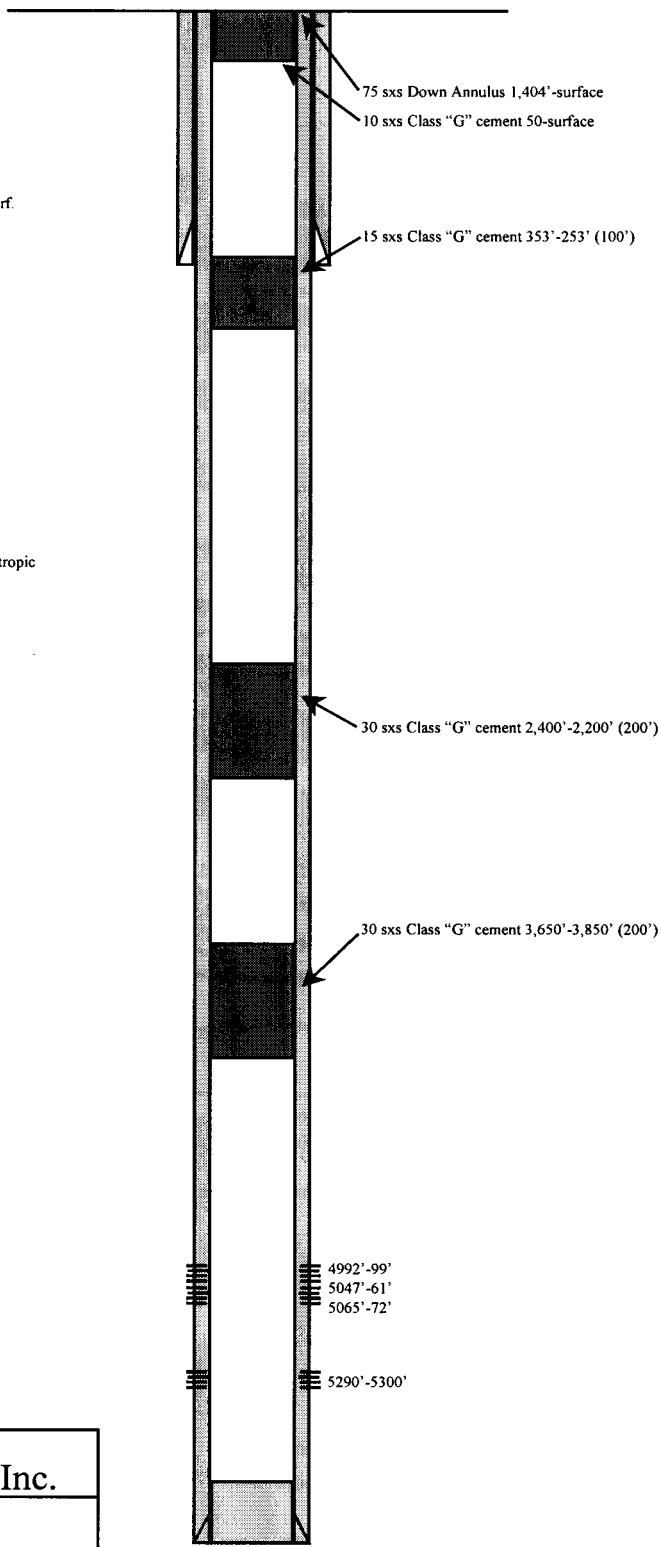
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sks Hyfill mixed & 360 sks thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SUCKER RODS



Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

API #43-013-31600; Lease #U-67170

Monument Butte Federal #9-25

Spud Date: 4/28/96
Put on Injection: 2/7/97
GL: 5327' KB: 5340'

Initial Production: 95 BOPD, 33 MCFPD, 1 BWPD

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

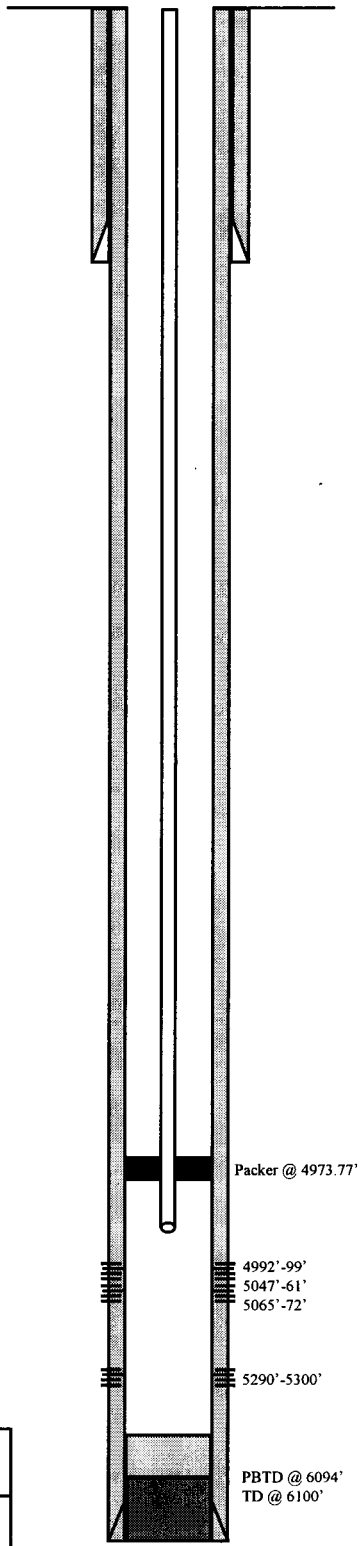
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sks Hyfill mixed & 360 sks thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 159 jts
PACKER: 4973.77'
TOTAL STRING LENGTH: ? (EOT @ ?')
SN LANDED AT: ?'

SUCKER RODS



FRAC JOB

5/14/96	**5290'-5300'**	**Frac B-1 sand as follows:** 60,100 20/40 sd in 412 bbls Boragel frmtn. Brokedown @ 2876#, avg TP 2250 @ 18.5 bpm. ISIP-2312 psi, 5-min 2176 psi. Flow well back on 16/64" ck @ 1.5 bpm.
5/16/96	**4992'-5072'**	**Frac D-1 & D-2 sands as follows:** 78,500# of 20/40 sd in 477 bbls Boragel. Breakdown @ 2005# treated w/avg rate of 18.7 bpm @ 1800 psi. ISIP-2234 psi, 5-min SI 2124 psi. Start flowback on 16/64" ck @ 1.8 bpm.

PERFORATION RECORD

5/13/96	5290'-5300'	4 JSPF	40 holes
5/15/96	4992'-4999'	4 JSPF	28 holes
5/15/96	5047'-5061'	4 JSPF	52 holes
5/15/96	5065'-5072'	4 JSPF	28 holes

Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

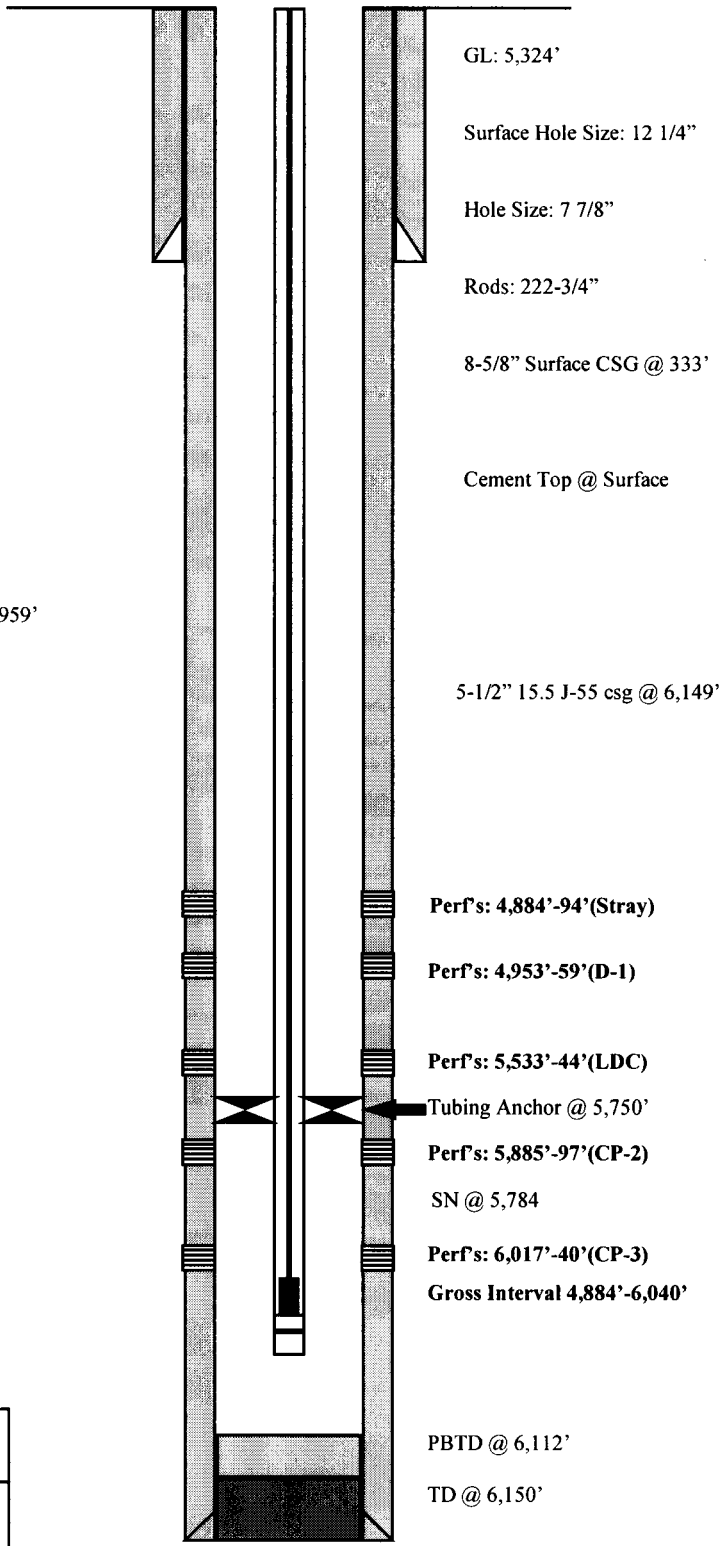
API #43-013-31600; Lease #U-67170

Monument Butte Federal #15-25

Wellbore Diagram

Well History:

11-10-95	Spud Well
12-7-95	Perf: 6,017'-6,040'
12-8-95	Frac CP-3 zone as follows: Totals 595 bbls Boragel, 76,600 # 20/40 sd Avg TP 2,100 @ 30 BPM ISIP 2,095, after 5 min 2,062
12-11-95	Perf: 5,885'-5,897'
	Frac CP-2 zone as follows: Totals 422 bbls Boragel 48,500# 20/40 sd Avg TP 2,400 @ 21 BPM ISIP 2,465, after 5 min 237
12-12-95	Perf: 5,533'-5,544'
12-13-95	Frac LDC zone as follows: Totals 402 bbls Boragel 42,000# 20/40 sd Avg TP 2,120 @ 21 BPM ISIP 2,370, after 5 min 2,224
12-14-95	Perf: 4,884'-4,894', 4,953'-4,959'
12-16-95	Frac D zone as follows: Totals 559 bbls Boragel 68,400# 20/40 sd Avg TP 1,930 @ 33 BPM ISIP 2,186, after 5 min 2,120



Inland Resources Inc.

Monument Butte Federal #15-25

583 FSL 1799 FEL

SWSE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31559; Lease #U-67170

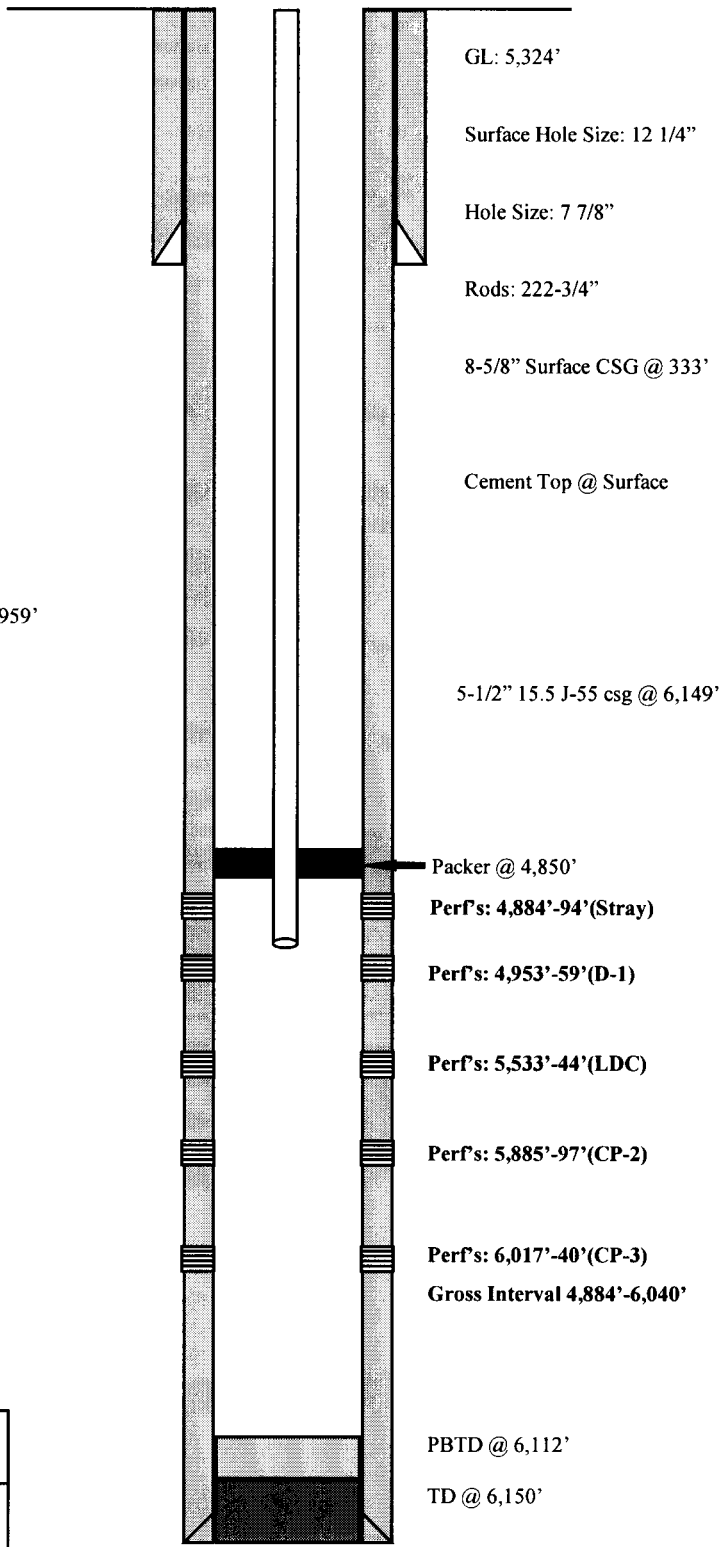
Monument Butte Federal #15-25

Injector

Wellbore Diagram

Well History:

11-10-95	Spud Well
12-7-95	Perf: 6,017'-6,040'
12-8-95	Frac CP-3 zone as follows: Totals 595 bbls Boragel, 76,600 # 20/40 sd Avg TP 2,100 @ 30 BPM ISIP 2,095, after 5 min 2,062
12-11-95	Perf: 5,885'-5,897'
	Frac CP-2 zone as follows: Totals 422 bbls Boragel 48,500# 20/40 sd Avg TP 2,400 @ 21 BPM ISIP 2,465, after 5 min 237
12-12-95	Perf: 5,533'-5,544'
12-13-95	Frac LDC zone as follows: Totals 402 bbls Boragel 42,000# 20/40 sd Avg TP 2,120 @ 21 BPM ISIP 2,370, after 5 min 2,224
12-14-95	Perf: 4,884'-4,894', 4,953'-4,959'
12-16-95	Frac D zone as follows: Totals 559 bbls Boragel 68,400# 20/40 sd Avg TP 1,930 @ 33 BPM ISIP 2,186, after 5 min 2,120



Inland Resources Inc.

Monument Butte Federal #15-25

583 FSL 1799 FEL

SESWSection 25-T8S-R16E

Duchesne Co, Utah

API #43-013-3; Lease #U-67170

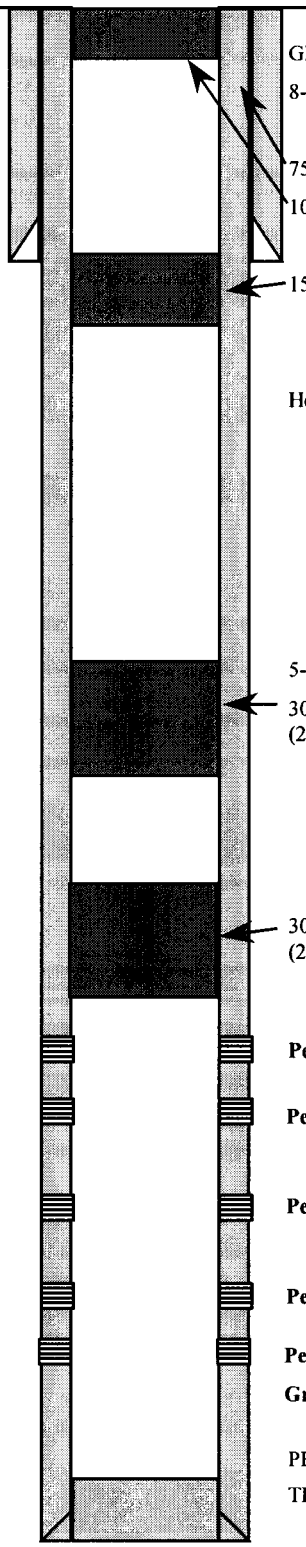
Monument Butte Federal #15-25

Plugged

Wellbore Diagram

Well History:

11-10-95	Spud Well
12-7-95	Perf: 6,017'-6,040'
12-8-95	Frac CP-3 zone as follows: Totals 595 bbls Boragel, 76,600 # 20/40 sd Avg TP 2,100 @ 30 BPM ISIP 2,095, after 5 min 2,062
12-11-95	Perf: 5,885'-5,897' Frac CP-2 zone as follows: Totals 422 bbls Boragel 48,500# 20/40 sd Avg TP 2,400 @ 21 BPM ISIP 2,465, after 5 min 237
12-12-95	Perf: 5,533'-5,544'
12-13-95	Frac LDC zone as follows: Totals 402 bbls Boragel 42,000# 20/40 sd Avg TP 2,120 @ 21 BPM ISIP 2,370, after 5 min 2,224
12-14-95	Perf: 4,884'-4,894', 4,953'-4,959'
12-16-95	Frac D zone as follows: Totals 559 bbls Boragel 68,400# 20/40 sd Avg TP 1,930 @ 33 BPM ISIP 2,186, after 5 min 2,120



Inland Resources Inc.

Monument Butte Federal #15-25

583 FSL 1799 FEL

SESWSection 25-T8S-R16E

Duchesne Co, Utah

API #43-013-3; Lease #U-67170

Monument Butte Federal #16-25

Spud Date: 4/22/96
Put on Production: 8/7/96
GL: 5302' KB: 5315'

Initial Production: 98 BOPD, 87 MCFD, 4 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: ? jts. (301')
DEPTH LANDED: 300'
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt.

PRODUCTION CASING

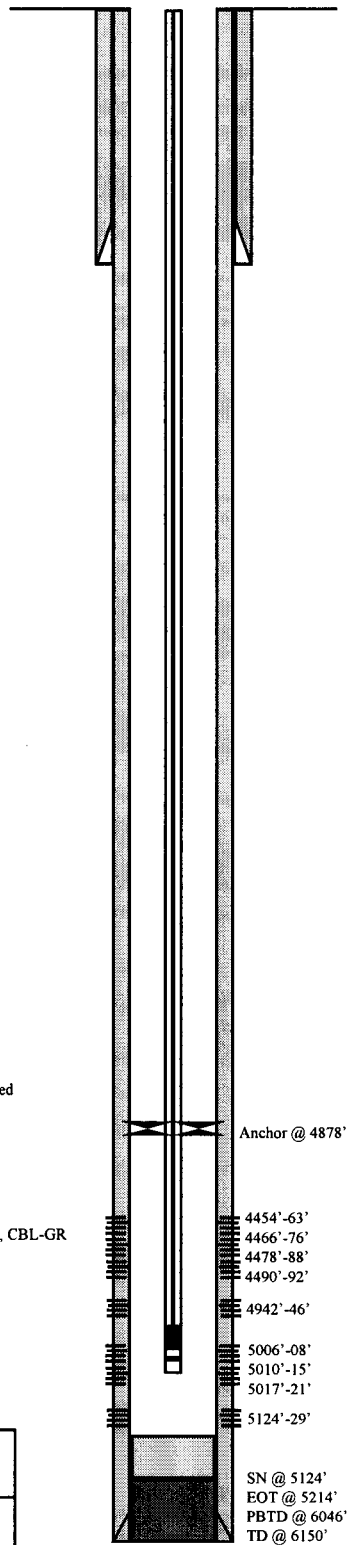
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (6152.33')
DEPTH LANDED: 6150.81'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sk Hyfill mixed & 335 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 195 jts.
TUBING ANCHOR: 4878'
TOTAL STRING LENGTH: EOT @ 5214'
SN LANDED AT: 5124'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS:8-1" scrapered, 96-3/4" plain rods, 100-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP SIZE: 1-1/2" rod pmp
STROKE LENGTH: 74"
PUMP SPEED, SPM: 7
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

7/29/96	5124'-5129'	**Frac C sand as follows:** 56,300# of 20/40 sd in 338 bbls of Boragel. Breakdown @ 2014 psi. Treated @ avg rate of 20 bpm w/ avg press of 2600 psi. ISIP: 3282 psi, 5-min 2940 psi. Flowback on 16/64" ck for 2 hrs and died.
7/3196	4942'-5021'	**Frac D-1 & D-2 zones as follows:** 96,000# of 20/40 sd in 471 bbls of Boragel. Breakdown @ 1906 psi. Treated @ avg rate of 21 bpm w/avg press of 2250 psi. ISIP-3395 psi, 5-min 3164 psi. Flowback on 16/64" ck for 4 hrs.
8/2/96	4454'-4492'	**Frac GB-6 zone as follows:** 104,400# of 20/40 sd in 478 bbls of boragel. Breakdown @ 1129 psi. Treated @ avg rate of 18.3 bpm w/avg press of 1550 psi. ISIP-2196 psi, 5-min 2120 psi. Flowback on 16/64" ck for 2 hrs and died.

PERFORATION RECORD

7/27/96	5124'-5129'	4 JSPF	20 holes
7/30/96	4942'-4946'	4 JSPF	16 holes
7/30/96	5006'-5008'	4 JSPF	8 holes
7/30/96	5010'-5015'	4 JSPF	42 holes
7/30/96	5017'-5021'	4 JSPF	52 holes
8/1/96	4454'-4463'	4 JSPF	36 holes
8/1/96	4466'-4476'	4 JSPF	40 holes
8/1/96	4478'-4488'	4 JSPF	40 holes
8/1/96	4490'-4492'	4 JSPF	8 holes

Inland Resources Inc.

Monument Butte Federal #16-25

572 FSL 601 FEL

SESE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31597; Lease #U-67170

Monument Butte State #1A-36

Spud Date: 4/9/96
Put on Production: 5/30/96
GL: 5332' KB: 5345'

Initial Production: 150 BOPD
est.

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 290'
DEPTH LANDED: 289.07'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

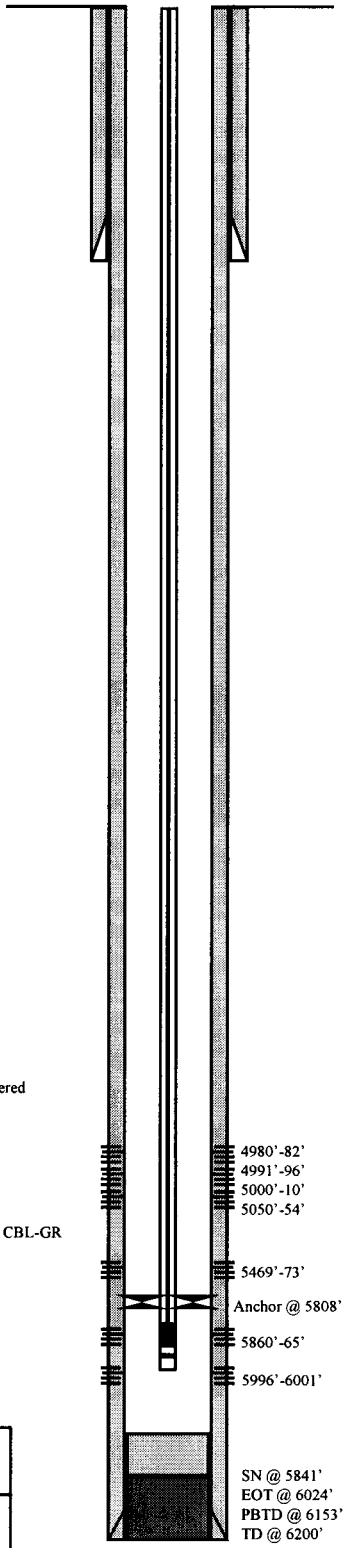
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6182.72')
DEPTH LANDED: 6179.72.03'
HOLE SIZE: 7-7/8"
CEMENT DATA: 290 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 197 jts
TUBING ANCHOR: 5808'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 6024')
SN LANDED AT: 5841'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scrapered, 128-3/4" plain rods, 97-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 7 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

5/20/96	**5860'-6001'**	**Frac CP-2 and CP-4 sands as follows:** 62,400# of 20/40 sd in 419 bbls of Boragel. Breakdown @ 2950 treated @ avg rate of 30 bpm, avg press 1950 psi. ISIP-2153 psi, 5-min 1942 psi. Flowback after 5 min on 16/64" ck.
5/22/96	**5469'-5473'**	**Frac A-3 sand as follows:** 61,500# of 20/40 sd in 409 bbls Boragel. Breakdown @ 3148# treated @ avg rate of 24.5, avg press 2300#. ISIP-2346 psi, 5-min 2249 psi. Flowback after 5 min on 16/64" ck @ 1.8 bpm.
5/24/96	**4980'-5054'**	**Frac D-2 & D-3 sands as follows:** 76,500# of 20/40 sd in 425 bbls of Boragel. Breakdown @ 1950# treated @ avg rate pf 25 bpm, avg press 1800#. ISIP-3516 psi, 5-min 2953 psi. Flowback on 16/64" ck @ 1.7 bpm.

PERFORATION RECORD

5/18/96	5860'-5865'	2 JSPF	10 holes
5/18/96	5996'-6001'	4 JSPF	20 holes
5/21/96	5469'-5473'	4 JSPF	16 holes
5/23/96	4980'-4982'	4 JSPF	8 holes
5/23/96	4991'-4996'	4 JSPF	20 holes
5/23/96	5000'-5010'	4 JSPF	40 holes
5/23/96	5050'-5054'	4 JSPF	16 holes

Inland Resources Inc.

Monument Butte State #1A-36

854 FNL 621 FEL

NENE Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-31599; Lease #ML-22061

Monument Butte State #1A-36

Spud Date: 4/9/96
Put on Injection: 9/12/97
GL: 5332' KB: 5345'

Injector
Wellbore Diagram

Initial Production: 150 BOPD
est.

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 290'
DEPTH LANDED: 289.07'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

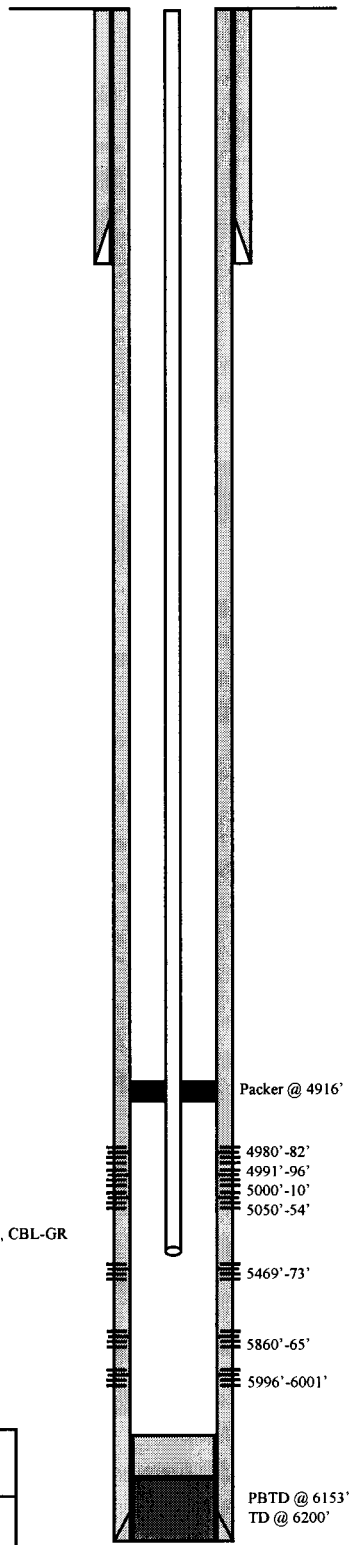
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6182.72')
DEPTH LANDED: 6179.72.03'
HOLE SIZE: 7-7/8"
CEMENT DATA: 290 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 156 jts
TUBING ANCHOR:
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH:
SN LANDED AT: 4877'

SUCKER RODS

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



FRAC JOB

5/20/96 5860'-6001' **Frac CP-2 and CP-5 sands as follows:** 62,400# of 20/40 sd in 419 bbls of Boragel. Breakdown @ 2950 treated @ avg rate of 30 bpm, avg press 1950 psi. ISIP-2153 psi, 5-min 1942 psi. Flowback after 5 min on 16/64" ck.

5/22/96 5469'-5473' **Frac A sand as follows:** 61,500# of 20/40 sd in 409 bbls Boragel. Breakdown @ 3148# treated @ avg rate of 24.5, avg press 2300#. ISIP-2346 psi, 5-min 2249 psi. Flowback after 5 min on 16/64" ck @ 1.8 bpm.

5/24/96 4980'-5054' **Frac D sand as follows:** 76,500# of 20/40 sd in 425 bbls of Boragel. Breakdown @ 1950# treated @ avg rate pf 25 bpm, avg press 1800#. ISIP-3516 psi, 5-min 2953 psi. Flowback on 16/64" ck @ 1.7 bpm.

PERFORATION RECORD

5/18/96	5860'-5865'	2 JSPF	10 holes
5/18/96	5996'-6001'	4 JSPF	20 holes
5/21/96	5469'-5473'	4 JSPF	16 holes
5/23/96	4980'-4982'	4 JSPF	8 holes
5/23/96	4991'-4996'	4 JSPF	20 holes
5/23/96	5000'-5010'	4 JSPF	40 holes
5/23/96	5050'-5054'	4 JSPF	16 holes

Inland Resources Inc.

Monument Butte State #1A-36

854 FNL 621 FEL

NENE Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-31599; Lease #ML-22061

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: Inland Production company **Unit:** Sand Wash

Location: Secs. 19,19, 30 & 31, T.8S., R.17 E.

Ownership Issues: The Sand Wash Unit water flood project will be heard before the Board of Oil, Gas and Mining on October 22, 1997 (Cause No. 229-2). Inland proposes to create a unit and initiate secondary recovery operations to increase ultimate recovery of oil. Selected intervals in the Green River Formation will be perforated for water injection. The surface within the unit area and within a one-half mile around the unit is owned by the Federal Government (BLM) and the State School Trust(SITLA). There are numerous interest owners in the unit and on surrounding leases. Inland is operator of all but two wells in the proposed unit. Wildrose Resources is the operator of the two wells. Inland will be the designated unit operator.

Well Integrity: Existing and proposed injection wells generally have surface casing set at approximately 300 feet and are cemented to surface. Production casing is generally set between 6000 feet and 6300 feet. Cement tops on production casing on existing wells varies and range from 3000 feet below surface to surface. It is the practice of the operator to use sufficient quantities of cement on newly drilled wells to bring cement to surface. A review of bond logs on existing wells shows concurrence with reported cement tops. On newly drilled wells cement tops are sometimes difficult to determine because the operator has been using a highlift light cement as a lead cement. This cement has low compressive strength and does not show up as good bond on a CBL. Cement tops at 3000 feet and above are adequate to insure mechanical integrity considering the injection zones are generally at 4000 feet and below. A 2 7/8 inch or 2 3/8 inch tubing shall be utilized. A retrievable packer will be placed approximately 50 feet above the uppermost perforation. A casing test will be performed at the time of conversion and a casing\tubing pressure test will be conducted prior to commencing injection. Subsequent pressure tests will be conducted at least every five years or any time a packer is pulled or there has been a loss of mechanical integrity.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet to 2000 feet in the Sand Wash Unit area. These water zones are found in sands in the Uinta Formation and upper sands of the Green River Formation are generally discontinuous and not subject to direct recharge. Aquifers with high quality water are rarely encountered and are of limited extent. Confining intervals above and below the proposed injection zone consists of tight lacustrine shales and limestones. An analysis was submitted for the water present in the injection zone. The total dissolved solids content was over 11,000 mg/l. The injection zone is not classified as an underground source of drinking water (USDW). The water to be injected comes from the Johnson Water Company and has a TDS of approximately 900 mg/l. Injection of this water into the proposed injection zone will not degradate any aquifers.

Producing wells in the area of review generally have adequate casing and cement to protect and isolate water of differing quality. At the time an application is received for a proposed injection well, a review of all wells in a one-half mile radius will be conducted to determine if corrective action is needed .

Oil/Gas & Other Mineral Resources Protection: All correlative rights and mineral interests issues will be addressed at the time the waterflood unit comes before the board.

Bonding: Wells within the unit are on federal mineral and surface and are bonded with the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action was published in both the Salt Lake Tribune and the Uinta Basin Standard. The notice addressed the request to unitize the area initiate secondary recovery operations and requested approval to convert the 13-19, 13-30 and 5-30 wells to injection. Applications for all of the above wells have been received. BLM approval of the wells will be required under applicable onshore orders. A final permit will be issued on wells after all conditions of approval and stipulations are met as outlined on the approval to convert letter. An individual statement of basis addendum will be prepared for each well subsequently approved for conversion.

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): D. Jarvis Date: 10/15/97

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: Inland Production Company **Well:** Tar Sands Fed. 13-30

Location: 30/8S/17E **API:** 43-013-31637

A complete Statement of Basis was prepared for the Sand Wash Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

Ownership Issues: The proposed well is located on BLM land. All lands in the one-half mile radius of the well are BLM. Inland has submitted an affidavit stating that all owners and interest owners have been notified of there intent to unitize the area and initiate a secondary recovery project.

Well Integrity: The proposed well has surface casing set at 289 feet and is cemented to surface. A 5 ½ inch production casing is set at 6140 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set approximately 50 feet above the injection zone. A mechanical integrity test will be run on the well prior to injection. There are no producing wells in the one-half mile area of review. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet. Injection shall be limited to the interval between 3880 feet and 6150 feet in the Green River Formation (actual zone is 4940-6016). Fracture information for all previousley drilled wells in the field was submitted, based on this information the fracture gradient for the 13-30 well is .85 psig/ft. The resulting fracture pressure is 2437 psig. The requested maximum pressure was 2437 psi. 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.

Oil/Gas& Other Mineral Resources Protection: Correlative rights and other interests will be addressed at the hearing on October 22, 1997. Previous reviews in the area indicate that all other interests have been protected.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action was published in both the Salt Lake Tribune and the Uinta Basin Standard. Approval for this well was requested as part of the approval for the project. Testimony will be given at the hearing regarding correlative rights and other legal issues. If there are no objections at the hearing it is recommended that the well be approved as part of the project. Conditions of approval as set forth are: A casing tubing pressure test be run prior to injection, maximum surface pressure limited to 2437 psi., rate will be limited by pressure and Inland will adhere to all operational procedures as written in there application for approval to convert the well to a class II injection well.

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): D.Jarvis Date: 10/15/97

FORM 3160-5
(June 1990)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
SAND WASH (GR RVR)

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
TAR SANDS FEDERAL 13-30

9. API Well No.
43-013-31637

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

3. Address and Telephone No.
475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

11. County or Parish, State
DUCHESNE COUNTY, UTAH

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0603 FSL 0699 FWL SW/SW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Site Security**	[ ] Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

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

RECEIVED
OCT 14 1998
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Leslie E. Knight Title Manager, Regulatory Compliance Date 10/8/98

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:
CC: UTAH DOGM

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 fradulent statements or representations as to any matter within its jurisdiction.

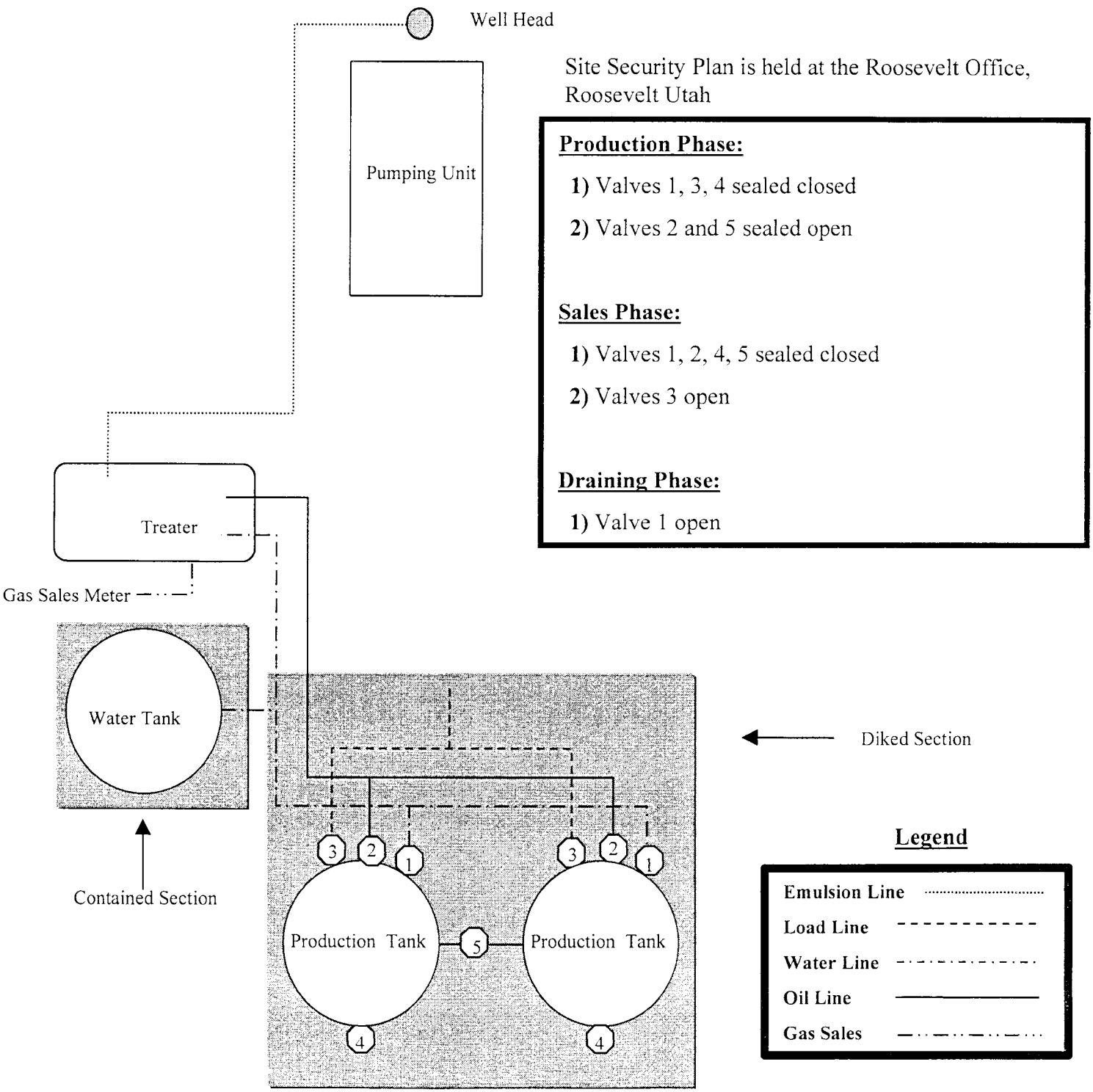
Inland Production Company
Site Facility Diagram

Tar Sands 13-30

SW/SW Sec. 30, T8S, 17E

Duchesne County

May 12, 1998



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

Production Phase:

1) Valves 1, 3, 4 sealed closed

2) Valves 2 and 5 sealed open

Sales Phase:

1) Valves 1, 2, 4, 5 sealed closed

2) Valves 3 open

Draining Phase:

1) Valve 1 open

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OCT 20 1997

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079

Well name and number: P. Tar Sands Federal #13-30 REVISED

Field or Unit name: Sand Wash Unit # 441000 Lease no. U-74869

Well location: QQ SWSW section 30 township 8S range 17E county Duchesne

Is this application for expansion of an existing project? . Yes [] No [X]

Will the proposed well be used for: Enhanced Recovery?... Yes [x] No []
Disposal? ..... Yes [] No [x]
Storage? ..... Yes [] No [x]

Is this appilcation for a new well to be drilled? ..... Yes [] No [x]

If this application is for an existing well,
has a casing test been performed on the well? ..... Yes [X] No []
Date of test: 7/15/96
API number: 43-013-31637

Proposed injection interval from 4940' to 6016'

Proposed maximum injection: rate 500 BPD pressure 2437# psig

Proposed injection zone contains [] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Exhibits "A" through G-3"

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

Name Cheryl Cameron
Title Regulatory Compliance Specialist
Phone No. (801) 789-1866

Signature Cheryl Cameron
Date 10/17/97

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

(3/89)

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS
SECTION V - RULE 615-5-2

1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.

2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-quarter mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-quarter mile radius of the proposed injection well;*

Answer: Reference Exhibits "A" and "C".

2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

Answer: All logs are on file with the Utah Division of Oil Gas & Mining.

2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

Answer: A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining.

2.4 *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

Answer: All copies of logs are on file with the Utah Division of Oil, Gas & Mining.

2.5 *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 289.38' GL, and the 5 1/2"casing from surface to 6140.77' KB. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-3".

2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

Answer: Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	500 BPD

2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2)

the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

2.8. *The proposed average and maximum injection pressures;*

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Tar Sands Federal #13-30 averages approximately .85 psig/ft.

2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

Answer: The frac gradient for the Tar Sands Federal #13-30, for proposed zones (4940'- 6016') averages approximately .85 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G-3."

Proposed Maximum Injection Pressure: pm = [.85– (.433)(1.005)] 4940
pm= 2437#

2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

Answer: In the Tar Sands Federal #13-30, the injection zone is in the CP and D sands (4940'-6016',) and contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The estimated average porosity is 14%; and the estimated fracture pressure is 2437# psi.

2.11. *A review of the mechanical condition of each well within a one-quarter mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

Answer: Exhibits "E-1" through "E-3".

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 insure proper flow management. Relief valves will also be utilized for high pressure relief.

2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-quarter mile radius of the proposed injection well;*

Answer: Exhibit "D".

2.13 *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

Answer: Inland Production Company will await review of this application and additional information will be submitted if required.

2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

Answer: Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	500 BPD

2.8. *A list of all operators or owners and surface owners within a one-quarter mile radius of the proposed project;*

Answer: Reference Exhibit "C".

2.9. *An affidavit certifying that said operators or owners and surface owners within a one-quarter mile radius have been provided a copy of the petition for injection;*

Answer: Reference Exhibit "D".

2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

Answer: Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

Answer: This proposed injection well is within the Sand Wash Unit , in the Monument Butte Field and the request is for administrative approval.

EXHIBIT "G-3"

Sand Wash Unit
Frac Information

Calculated Fracture Gradient & Maximum Injection Pressure

Well Name	Frac Interval (feet) Top	Bottom	Avg. Depth (feet)	Avg. Pressure (psi)	Avg. Rate (bpm)	ISIP (psi)	Actual Frac Gradient (psi/ft)	Calc'd Maximum Surface (psi)	
Tar Sands Fed #1-30	4,658	4,687	4,673	2,200	24.0	2,414	0.95	2,408	0.95
	5,121	5,197	5,159	1,550	28.2	2,005	0.82	1,982	0.82
	5,299	5,432	5,366	2,230	36.0	2,471	0.89	2,422	0.88
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #1-30							**1,982**	#DIV/0!
Tar Sands Fed #3-30	5,131	5,204	5,168	1,600	23.0	1,903	0.80	1,883	0.80
	5,735	5,747	5,741	1,950	25.5	1,927	0.77	1,933	0.77
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #3-30							**1,883**	#DIV/0!
Tar Sands Fed #5-30	5,131	5,153	5,142	1,650	18.3	2,399	0.89	2,345	0.89
	5,256	5,262	5,259	2,400	20.0	2,098	0.83	2,087	0.83
	5,429	5,439	5,434	1,500	20.2	2,297	0.85	2,264	0.85
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #5-30							**2,087**	#DIV/0!
Tar Sands Fed #7-30	5,786	5,877	5,832	1,550	35.3	1,983	0.77	1,950	0.77
	5,939	6,037	5,988	2,480	26.0	2,390	0.83	2,358	0.83
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #7-30							**1,950**	#DIV/0!
Tar Sands Fed #9-30	4,995	5,012	5,004	1,500	24.4	2,264	0.88	2,233	0.88
	5,455	5,467	5,461	2,000	24.0	2,062	0.81	2,057	0.81
	5,645	5,740	5,691	1,700	38.5	2,277	0.88	2,523	0.88
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #9-30							**2,057**	#DIV/0!
Tar Sands Fed #11-30	4,535	4,563	4,549	2,300	26.2	3,309	1.16	3,297	1.16
	5,057	5,064	5,061	1,800	20.5	2,365	0.90	2,362	0.90
	5,302	5,337	5,320	2,200	20.1	2,295	0.86	2,264	0.86
	5,492	5,504	5,498	2,180	22.1	2,497	0.88	2,455	0.88
	5,909	5,928	5,919	1,450	25.2	1,924	0.75	1,873	0.75
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #11-30							**1,873**	#DIV/0!
Tar Sands Fed #13-30	4,940	5,023	4,982	2,400	26.4	2,938	1.02	2,900	1.02
	5,844	6,016	5,930	2,000	28.0	2,497	0.85	2,437	0.84
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #13-30							**2,437**	#DIV/0!
Tar Sands Fed #15-30	5,437	5,451	5,444	2,012	25.3	2,501	0.89	2,485	0.89
	5,613	5,851	5,732	1,900	36.3	2,101	0.80	2,060	0.79
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #15-30							**2,060**	#DIV/0!
Tar Sands Fed #1-31	5,033	5,054	5,044	1,600	21.0	3,916	1.21	3,911	1.21
	5,276	5,384	5,330	1,600	30.7	1,941	0.80	1,936	0.80
	5,465	5,621	5,543	1,700	40.0	1,661	0.74	1,678	0.74
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #1-31							**1,678**	#DIV/0!
Tar Sands Fed #3-31	4,964	5,070	5,017	2,270	27.5	3,261	1.08	3,218	1.07
	5,429	5,562	5,496	1,500	30.5	1,851	0.77	1,819	0.76
	5,845	5,974	5,910	1,300	31.4	1,912	0.75	1,881	0.75
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #3-31							**1,819**	#DIV/0!
Tar Sands Fed #5-31	4,630	4,644	4,637	2,250	22.5	3,553	1.20	3,551	1.20
	5,075	5,087	5,081	2,400	27.0	3,264	1.07	3,233	1.07
	5,443	5,474	5,459	1,750	24.7	2,143	0.85	2,270	0.85
	5,756	5,766	5,761	2,250	26.5	2,353	0.84	2,343	0.84
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #5-31							**2,270**	#DIV/0!
Tar Sands Fed #7-31	4,599	4,606	4,603	2,231	22.2	3,206	1.13	3,206	1.13
	4,884	5,046	4,965	2,200	36.0	3,204	1.08	3,160	1.07
	5,316	5,418	5,367	1,550	45.0	1,958	0.79	1,898	0.79
	5,833	5,942	5,888	1,300	26.5	1,835	1.00	3,307	0.99
	Proposed Maximum Surface Injection Pressure for Tar Sands Fed #7-31							**1,898**	

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad - 0.4334) x Depth of Top Perf
where pressure gradient for the injection water is .4334 psi/ft
Frac Gradient = (ISIP+(.433xAvg Depth))/Avg Depth

FORM 3160-5
(June 1990)

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.
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SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
SAND WASH (GR RVR)

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
TAR SANDS FEDERAL 13-30

9. API Well No.
43-013-31637

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

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

11. County or Parish, State
DUCHESNE COUNTY, UTAH

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0603 FSL 0699 FWL SW/SW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[X] ~~Recompletion~~ Report	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other	[ ] 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.)*

Report
~~RECOMPLETE~~ GREEN RIVER FORMATION

Perf'd the GB-4 sands on 3/3/00 at 4426-28' w/4 JSPF (8 holes) and at 4432-47' w/4 JSPF (60 holes). Frac'd with 72,725# 20/40 sand in 424 bbls gelled water. RDMO took place 3/3/99. Placed well on production 3/3/00.

RECEIVED
APR 03 2000
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Signed [signature] Title Operations Secretary Date 3/31/00

(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 fradulent statements or representations as to any matter within its jurisdiction.

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

SEP 7 2001

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. George Rooney
Senior Facilities Engineer
Inland Production Company
410 Seventeenth Street - Suite 700
Denver, CO 80202

S5 17E 30

RE: UNDERGROUND INJECTION CONTROL (UIC)
FINAL MAJOR PERMIT MODIFICATION: 1
EPA Permit No. UT2842-04407
Tar Sands Federal No. 13-30
Duchesne County, Utah

Dear Mr. Rooney:

Enclosed are an Environmental Protection Agency (EPA) **Final Major Permit Modification No. 1,** to EPA Permit Mo. UT2841-04407, and an **Addendum to the Statement of Basis.** The thirty (30) day public comment period closed August 30, 2001. The Environmental Protection Agency (EPA) did not receive any comments that would delay issuance of the Final Major Permit Modification No. 1.

Please note that the modified maximum surface injection pressure **is 951 psig,** and not 1087 psig.

The modified injection interval is the gross Garden Gulch-Douglas Creek Members of the Green River Formation, **3918 feet to 6100 feet.**

The Tar Sands Federal No. 13-30 was permitted as a well-specific prior to the EPA authorization of the Sand Wash Area Permit. The **Tar Sands Federal No. 13-30** was issued a Permit and Well Authorization Identification (ID) of **UT2842-04407.** Following issuance of these ID numbers, Inland Production Company (Inland) submitted an application for a Sand Wash Area Permit which was assigned the ID number **UT2847-00000.** Even though the Tar Sands Federal No. 13-30 is now located within the exterior boundary of the Sand Wash Area Permit, the Tar Sands Federal No. 13-30 will retain the issued well-specific ID of UT2842-04407.

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

Printed on Recycled Paper

If you have any questions in regard to the above action, you may contact Mr. Dan Jackson at (303) 312-6155.

Sincerely,

Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

Encl: Final Major Permit Modification No. 1
Modified Schematic Diagram
Addendum to the Statement of Basis

cc w/ encl: Mr. D. Floyd Wopsock, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie
Environmental Director
Ute Indian Tribe

Mr. David L. Allison
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Mr. Gil Hunt
Utah Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
Vernal District
Bureau of Land Management

Mr. Nathan Wiser
8ENF-T

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

FINAL MAJOR PERMIT MODIFICATION NO. 1
to the
INLAND PRODUCTION COMPANY
for a
CLASS II ENHANCED RECOVERY INJECTION WELL
the
TAR SANDS FEDERAL NO. 13-30
ENVIRONMENTAL PROTECTION AGENCY PERMIT: UT2842-04407

Pursuant to Part III, Section B. 1. of the above-referenced Underground Injection Control (UIC) Final Permit, a Major Permit Modification No. 1 is to be made.

ORIGINAL VERSION:

PART II. SPECIFIC PERMIT CONDITIONS

SECTION C: WELL OPERATION

3. Injection Interval: Injection shall be limited to the gross Green River Formation, Douglas Creek Member 4917 feet to the plug back total depth (PBTD) of 6100 feet.

4. Injection Pressure Limitation:

(b) The exact pressure limit may be increased or decreased by the Director to ensure that the requirements in paragraph (a) are fulfilled. In order to determine an exact pressure limit, the permittee shall conduct a step-rate injection test or other authorized well test(s) that will serve to determine the fracture pressure of the injection zone. Test procedures shall be pre-approved by the Director. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations. Until such time that this demonstration is made, the initial injection pressure, measured at the surface, shall not exceed 1087 psig.

Printed on Recycled Paper

MODIFIED VERSION:

PART II. SPECIFIC PERMIT CONDITIONS

SECTION C: WELL OPERATION

3. Injection Interval. Injection shall be limited to the gross Green River Formation Garden Gulch-Douglas Creek Members, 3918 feet to 6100 feet.

4. Injection Pressure Limitation.

(b) The exact pressure limit may be increased or decreased by the Director to ensure that the requirements in paragraph (a) are fulfilled. In order to determine an exact pressure limit, the permittee may conduct a step-rate injection test (SRT), or other authorized well test(s) that will serve to determine the fracture pressure of the injection zone. Test procedures shall be pre-approved by the Director. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operation. Until such time that this demonstration is made the initial injection pressure, measured at the surface, shall not exceed 951 psig.

All other provisions and conditions of the well-specific Final Permit UT2842-04407 shall remain as originally issued.

SEP 7 2001

Date

for Stephen A. Tuber

Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

E.A Revised 7/3/01

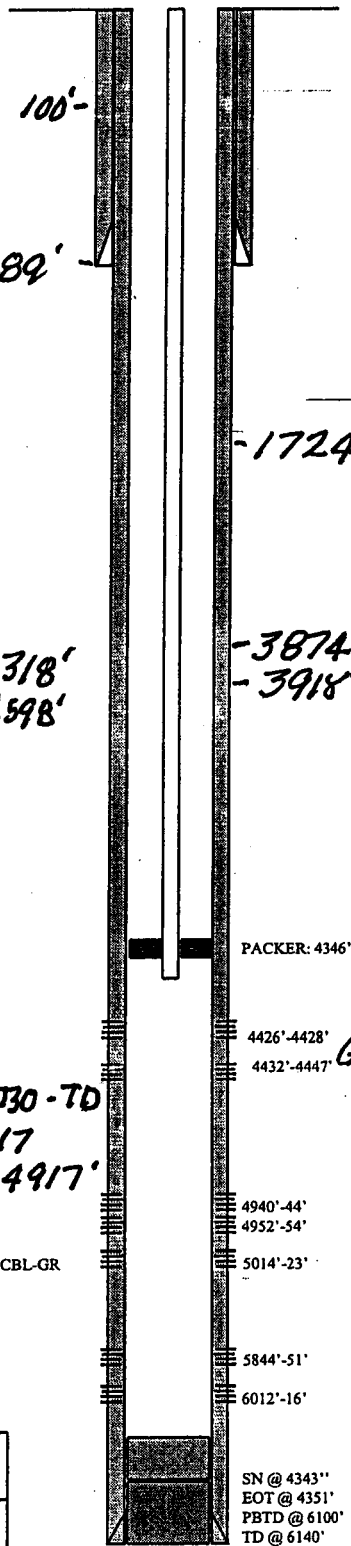
Tar Sands Federal #13-30

Spud Date: 6/29/96
Put on Production: 7/30/96
GL: 5282' KB: 5295'

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

Wellbore Diagram

GBR IV



SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts. (290.48') Base Tu USDWs
DEPTH LANDED: 289.38'(GL)
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

80% Annulus Cement: 3870'-4318'
4340'-4598'

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/M-50 tbg.
NO. OF JOINTS: 143 jts.
PACKER: 4346'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 4351'
SN LANDED AT: 4343'

SUCKER RODS

POLISHED ROD:1
SUCKER RODS: 80% Annulus Cement 4730-TD
TOTAL ROD STRING LENGTH: CZ: 4883-4917
PUMP NUMBER:
PUMP SIZE: 1-1/2" pump Douglas Cr. 4917'
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

7/17/96	5844'-6016'	**Frac CP-1 and CP-4 sands as follows:** 83,900# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2763 psi, treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi, 5-min 2170 psi. Flowback on 16/64" ck for 2-1/2 hrs & died.
7/20/96	4940'-5023'	**Frac D-1 and D-2 sand as follows:** 87,100# of 20/40 sd in 470 bbls of Boragel. Breakdown @ 2640 psi. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi, 5-min 2881 psi. Flowback on 16/64" ck for 2-1/2 hrs and died.

PERFORATION RECORD

????	4432-4447	4 JSPF	60 Holes
????	4426-4428	4 JSPF	8 Holes
7/17/96	5844'-5851'	4 JSPF	28 holes
7/17/96	5912'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes

Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31637; Lease #U-74869

ADDENDUM TO THE STATEMENT OF BASIS
for an
ENVIRONMENTAL PROTECTION AGENCY (EPA)
MAJOR PERMIT MODIFICATION NO. 1
to the
INLAND PRODUCTION COMPANY
CLASS II ENHANCED RECOVERY INJECTION WELL
TAR SANDS FEDERAL NO. 13-30
FINAL PERMIT: UT2842-04407
DUCHESNE COUNTY, UTAH

Part II. Section C. 3. of the EPA Final Class II Permit, UT2842-04407, dated March 24, 1998, authorized the conversion of the Tar Sands Federal No. 13-30 from an oil producing Douglas Creek Member of the Green River Formation to a Class II enhanced recovery injection well. Produced water from the Garden Gulch and Douglas Creek Members, and Johnson Water District source water was to be injected into the gross Douglas Creek Member 4917 feet to the plug back total depth (PBTD) 6100 feet.

By telephone call of July 9, 2001, Mr. George Rooney requested that enhanced recovery injection interval be expanded to include the Garden Gulch Member. The expanded gross injection interval will be 3918 feet to 6100 feet.

With the addition of new Garden Gulch Member injection perforations (4426 feet to 4428 feet, and 4432 feet to 4447 feet), Part II. Section C. 4. (Injection Pressure Limitation) will be modified to read "...initial injection pressure, measured at the surface, shall not exceed 951 psig." The former authorized maximum surface injection pressure was 1087 psig.

Pm	=	Maximum surface injection pressure at the wellhead
d	=	4426 feet - top perforation
0.433	=	Hydrostatic gradient (From Final Permit Statement of Basis).
Sg	=	1.005 Specific gravity of injectate (From Final Permit Statement of Basis.)
Fg	=	0.650 psi/ft - Fracture gradient (From Final Permit Statement of Basis.)

PM = [(0.650) - (0.433)(1.005)] 4426

PM = 951 psig

AQUIFER EXEMPTION: Tar Sands Federal No. 13-30

No Aquifer Exemption will be required for the addition of Garden Gulch perforations.

A review of six (6) permitted Class II enhanced recovery injection wells applications, Section 30 - T8S - R17E, cite produced water total dissolved solids (TDS), from the Garden Gulch-Douglas Members, as 17,239 mg/l to 33,954 mg/l.

CEMENT BOND LOG ANALYSIS & GARDEN GULCH CONFINING ZONE:

An analysis of the Cement Bond Log (CBL) delineates 80% bond index cement bond from 3870 feet to 4318 feet (440 feet). The shale confining zone, overlying the top of the Garden Gulch Member, is identified on the CBL as 3874 feet to 3918 feet (44 feet). The described annulus cement bond is adequate to confine the injectate to the proposed gross interval 3918 feet to 6100 feet.

SAND WASH AREA PERMIT: UT2847-00000

The subject Tar Sands Federal No. 13-30 was permitted as a well-specific prior to the EPA approval of the Sand Wash Area Permit. The Tar Sands Federal No. 13-30 was issued a Permit Authorization Identification Number UT2842, and Well Identification Number UT04407. Subsequent to the issuance of these Identification Numbers, Inland submitted an application for the Sand Wash Area Permit which Area Permit was assigned the Identification Number UT2847-00000. Even though the Tar Sands Federal No. 13-30 is now located within the Sand Wash Area Permit, the Tar Sands Federal No. 13-30 will retain the issued Identification Numbers, i.e., UT2842-04407.

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

SEP 7 2001

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. George Rooney
Senior Facilities Engineer
Inland Production Company
410 Seventeenth Street - Suite 700
Denver, CO 80202

8S 17E 30
43 013 31637

RE: UNDERGROUND INJECTION CONTROL (UIC)
Authority to Commence Injection
Well Permit No. UT2842-04407
Tar Sands Federal No. 13-30
Duchesne County, Utah

Dear Mr. Rooney:

Inland Production Company (Inland) has satisfactorily fulfilled all the Environmental Protection Agency's (EPA) **Prior to Commencing Injection** requirements as specified in the March 24, 1998, FINAL PERMIT, UT2842-04407.

The Part I (Internal) Mechanical Integrity Test (MIT), dated July 19, 2001, a Well Rework Record (EPA Form No. 7520-12), and the pore pressure were submitted to the EPA on April 10, 2001. All submitted documents were reviewed and approved by the EPA on August 29, 2001.

Inland, as of the date of this letter, is authorized to commence injection into the Tar Sands Federal No. 13-30. There will be no limitation on the number of barrels of water that will be injected into the Garden Gulch/Douglas Creek Members of the Green River Formation, but in no case shall Inland exceed **951 psig** maximum surface injection pressure. Within the first six (6) months of operation, Inland will conduct a step-rate test (SRT) to establish a fracture gradient from which the EPA will calculate a new maximum surface injection pressure.

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

Printed on Recycled Paper

If you have any questions in regard to the above action, please contact Dan Jackson at (303) 312-6155. Please send all compliance correspondence relative to this well to the **ATTENTION: NATHAN WISER**, citing **MAIL CODE: 8ENF-T** very prominently. However, the results of the SRT will be mailed directly to the **ATTENTION: DAN JACKSON**, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

D. Edwin Hogle
Director
Ground Water Program

cc: Mr. Nathan Wiser
8ENF-T

Mr. D. Floyd Wopsock
Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie
Environmental Director
Ute Indian Tribe

Mr. David Allison
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Mr. Gil Hunt
State of Utah Natural Resources
Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
Bureau of Land Management
Vernal District Office

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: NONE Date: 3 / 23 / 01
Test conducted by: Roddie Bird
Others present:

Well Name: Tac Sand Fed 13-30-8-17 Type: ER SWD Status: AC TA UC
Field: Sand wash EPA AREA* UT2847-04407
Location: SW/SW Sec: 30 T 8 N/(S) R 17 (E)/W County: Duchesne State: Ut
Operator: Inland Production
Last MIT: Initial / Test Maximum Allowable Pressure: NONE PSIG

Is this a regularly scheduled test? [ ] Yes [X] No

Initial test for permit? [X] Yes [ ] No

Test after well rework? [ ] Yes [X] No

Well injecting during test? [ ] Yes [X] No If Yes, rate: NONE bpd

Pre-test casing/tubing annulus pressure: 1540 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	120 psig	psig	psig
End of test pressure	120 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1540 psig	psig	psig
5 minutes	1540 psig	psig	psig
10 minutes	1540 psig	psig	psig
15 minutes	1540 psig	psig	psig
20 minutes	1540 psig	psig	psig
25 minutes	1540 psig	psig	psig
30 minutes	1540 psig	psig	psig
60 minutes	1540 psig	psig	psig
minutes	psig	psig	psig
RESULT	[X] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

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

MECHA_CAL INTEGRITY PRES_RE 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.:

Test went well, no problems. Bled pressure off to 0 psi after test.

Signature of Witness: Bobbie Bill

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff _____ Date: ___/___/___

Do you agree with the reported test results? [ ] YES [ ] NO

If not, why? _____

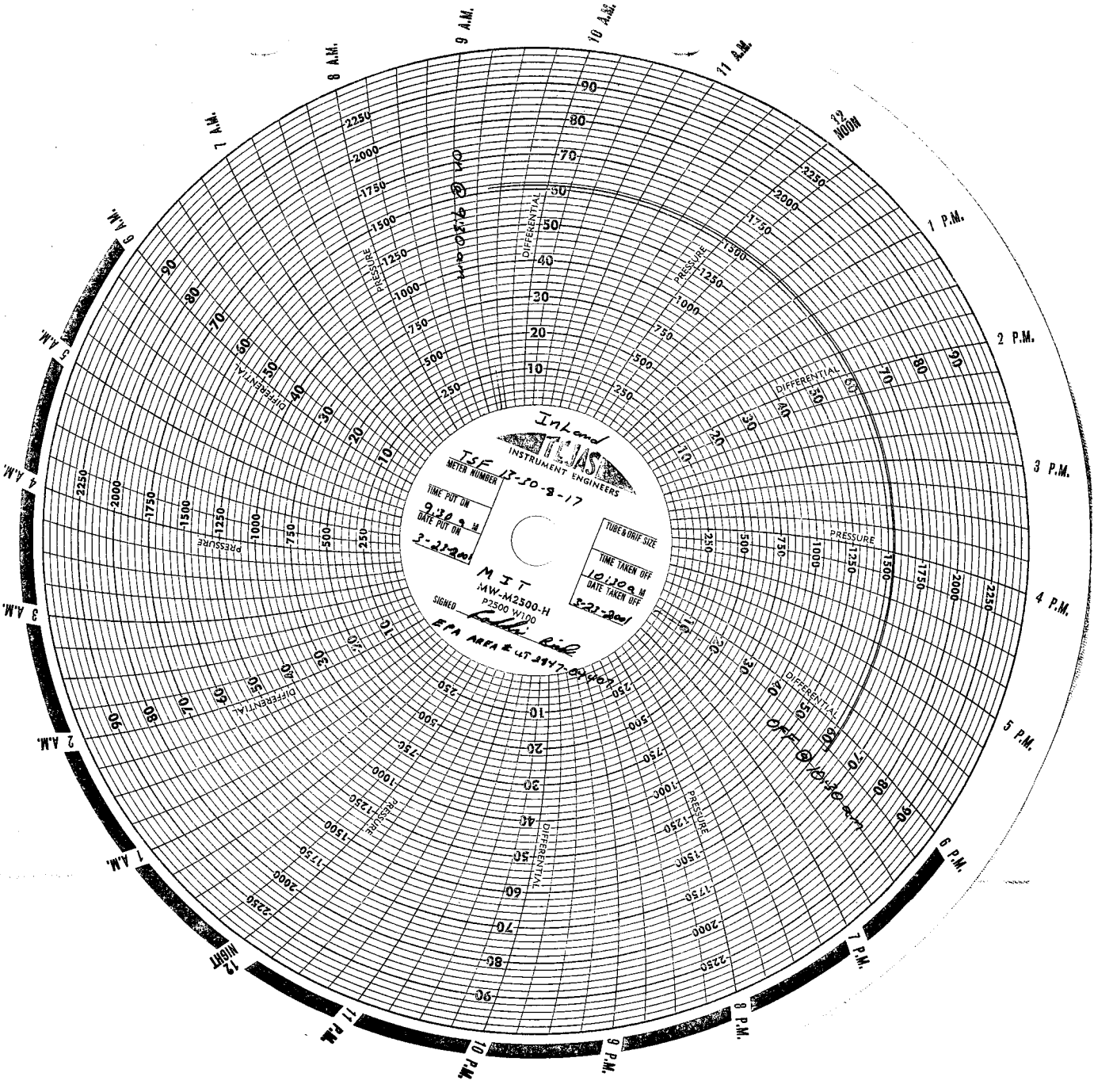
Possible violation identified? [ ] YES [ ] NO

If YES, what _____

If YES - followup initiated? [ ] YES _____

[ ] NO - why not? _____

[ ] Data Entry [ ] Compliance Staff [ ] 2nd Data Entry [ ] Hardcopy Filing



Inland
TEJAS
INSTRUMENT ENGINEERS
TSF 13-30-8-17
METER NUMBER
TIME PUT ON
9:30 a M
DATE PUT ON
3-23-2001
TUBE & ORIF SIZE
TIME TAKEN OFF
10:30 a M
DATE TAKEN OFF
3-23-2001
MIT
MW-M2500-H
P2500 W100
SIGNED
EPA AREA # UT 3847-04407
ON @ 9:30 am
OFF @ 10:30 am
DIFFERENTIAL
PRESSURE
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
12 NIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.

DOGM Form 5
May 5, 1987

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

5. LEASE DESIGNATION AND SERIAL NO.
UTU-74869

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.)

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

OIL WELL [ ] GAS WELL [ ] OTHER [X]

7. UNIT AGREEMENT NAME
SAND WASH (GR RVR)

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

8. FARM OR LEASE NAME
TAR SANDS FEDERAL 13-30

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

9. WELL NO.
TAR SANDS FEDERAL 13-30

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SW/SW Section 30, T08S R17E
0603 FSL 0699 FWL

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/SW Section 30, T08S R17E

14. API NUMBER	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-013-31637	**5283 GR**	**DUCHESNE**	**UT**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF [ ]	PULL OR ALTER CASING [ ]	WATER SHUT-OFF [ ]	REPAIRING WELL [ ]
FRACTURE TREAT [ ]	MULTIPLE COMPLETE [ ]	FRACTURE TREATMENT [ ]	ALTERING CASING [ ]
SHOOT OR ACIDIZE [ ]	ABANDON* [ ]	SHOOTING OR ACIDIZING [ ]	ABANDONMENT* [ ]
REPAIR WELL [ ]	[ ]	(OTHER) **Injection Conversion** [ ]	
(OTHER)	[ ]	(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 injection well on 3/22/01. The rod's and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4346'. On 3/23/01 Mr. Dave Hoggle with the EPA was contacted and gave permission to conduct a MIT on the casing -tubing annulus. On 3/23/01 the casing was pressured to 1540 psi with no loss of pressure charted in 1/2 hour test. No governmental agencies were able to witness the test. The well is shut in and waiting on permission to inject.

18. I hereby certify that the foregoing is true and correct.
SIGNED Krisha Russell TITLE Production Clerk DATE 3/26/01
Krisha 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

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)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. 229-2

Operator: Inland Production Company

Well: Tar Sands Federal 13-30

Location: Section 30, Township 8 South, Range 17 East

County: Duchesne

API No.: 43-013-31637

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 4, 1997.
2. Maximum Allowable Injection Pressure: 2437 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4940 feet - 6016 feet)

Approved by: John R. Baza
John R. Baza
Associate Director, Oil And Gas

4/2/01
Date

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

FORM 3160-5
(June 1990)

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-74869

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
SAND WASH

SUBMIT IN TRIPLICATE

1. Type of Well
[ ] Oil Well [ ] Gas Well [X] Other

8. Well Name and No.
TAR SANDS FED 13-30-8-17

9. API Well No.
43-013-31637

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

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

11. County or Parish, State
DUCHESNE COUNTY, UT

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
603 FSL 699 FWL SW/SW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Report of first 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.)*

The above referenced well was put on injection at 12:00 p.m. on 9/18/01.

RECEIVED
SEP 19 2001
DIVISION OF
OIL, GAS AND MINING

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

Signed Mandy Langin Title Permit Clerk Date 9/18/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
UTU-74869

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.

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

OIL WELL [ ] GAS WELL [ ] OTHER [X] Injection Well

7. UNIT AGREEMENT NAME
SAND WASH

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

8. WELL NAME and NUMBER
TAR SANDS FED 13-30-8-17

3. ADDRESS AND TELEPHONE NUMBER
Rt. 3 Box 3630, Myton Utah 84052
435-646-3721

9. API NUMBER
43-013-31637

4. LOCATION OF WELL

Footages 603 FSL 699 FWL

QQ, SEC, T, R, M. SW/SW Section 30, T08S R17E

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
- [X] OTHER Step Rate Test

DATE WORK COMPLETED

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanies 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 1/31/02. Results from the test indicate that the fracture gradient is .654 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 970 psi.

FROM 2437

13. NAME & SIGNATURE Michael Guinn TITLE District Engineer DATE 2/25/2002

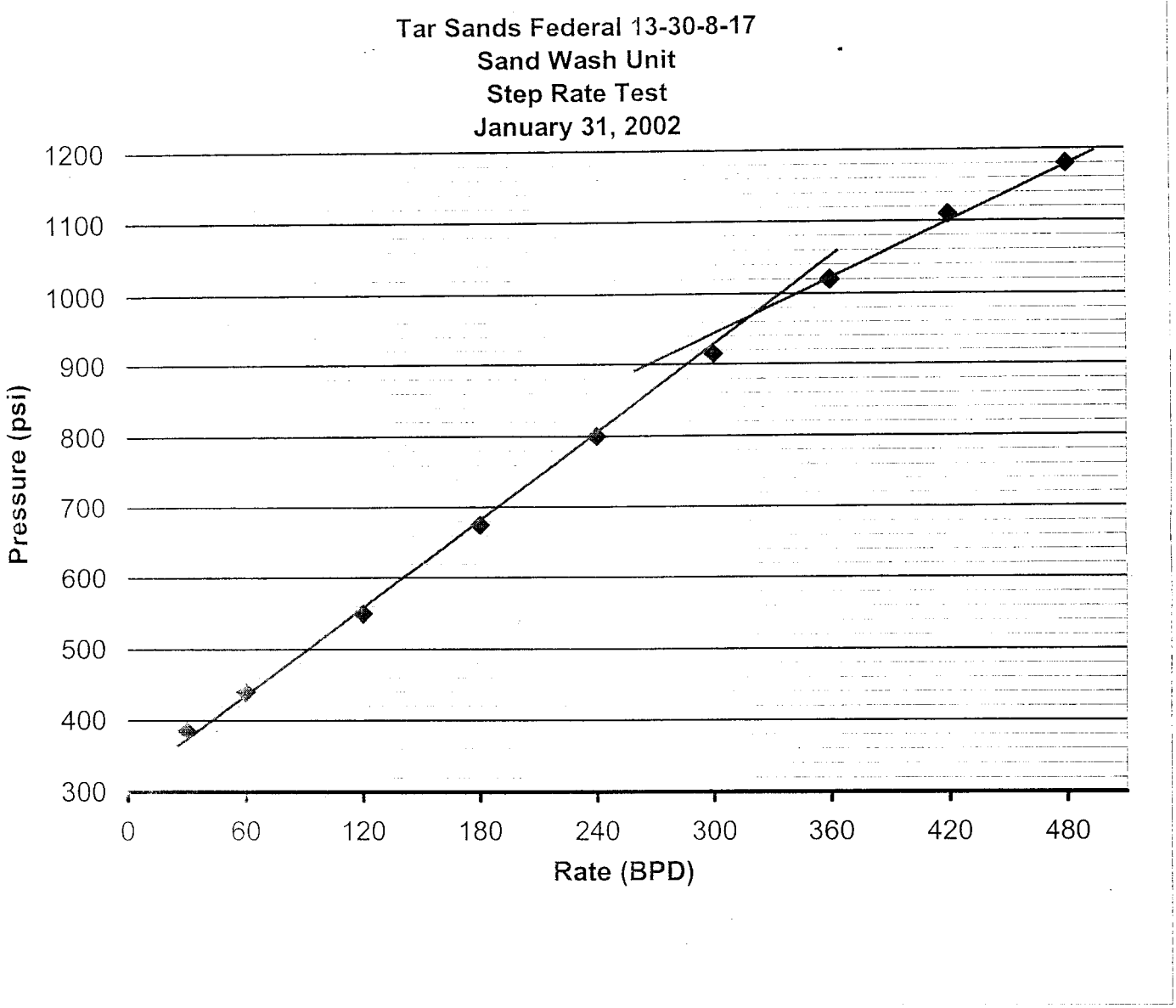
(This space for State use only)

4/94 * See Instructions On Reverse Side

Approved by the Utah Division of Oil, Gas and Mining
Date: 03-01-02
By:

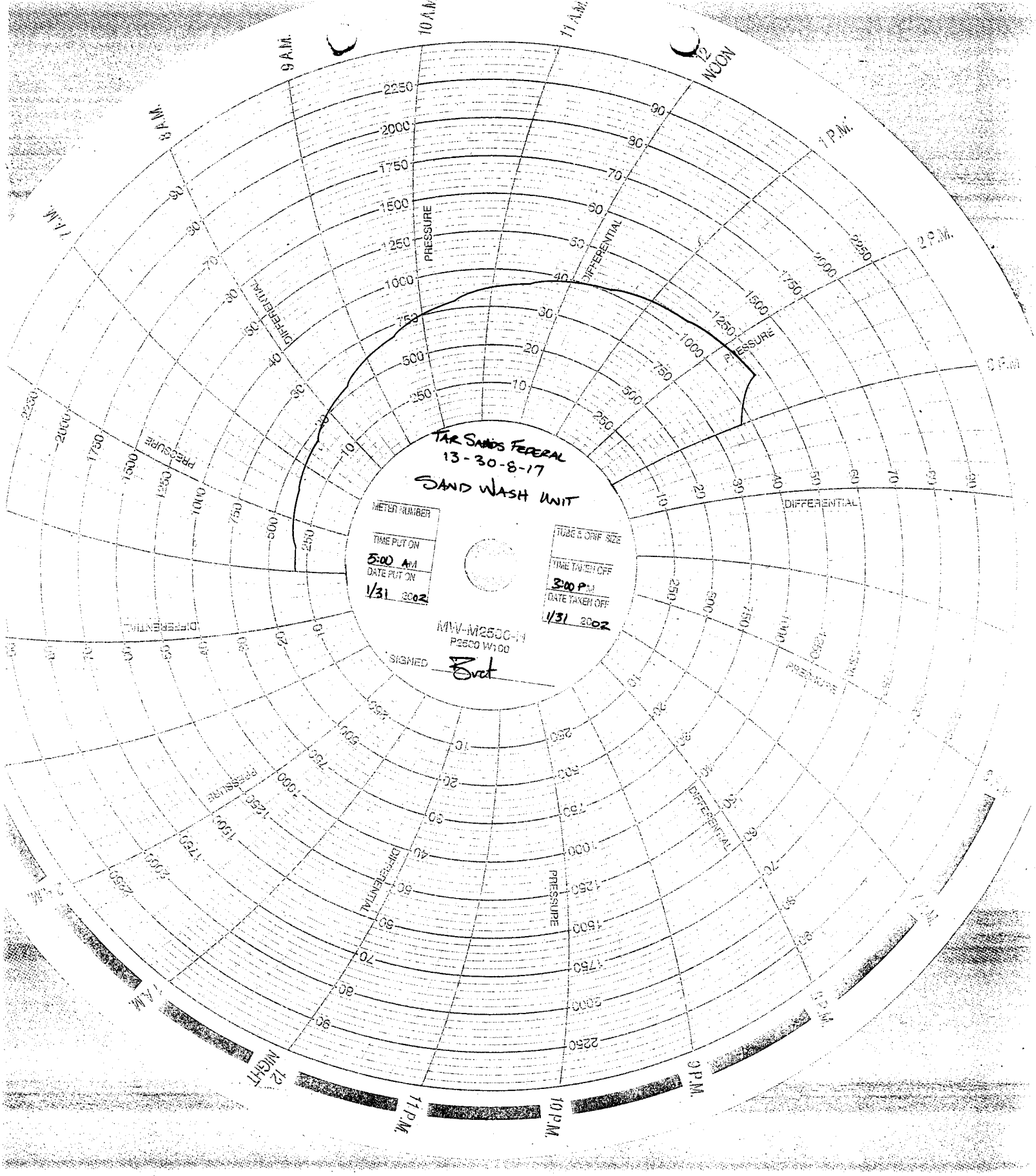
COPY SENT TO OPERATOR
Date: 03-04-02
Initials: CHD

RECEIVED
DIVISION OF OIL, GAS AND MINING



Start Pressure:	325	psi
Instantaneous Shut In Pressure (ISIP):	1170	psi
Top Perforation:	4426	feet
Fracture pressure (Pfp):	970	psi
FG:	0.654	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	385
2	60	440
3	120	550
4	180	675
5	240	800
6	300	915
7	360	1020
8	420	1110
9	480	1180


TAR SANDS FEDERAL
13-30-8-17
SAND WASH UNIT
METER NUMBER
TIME PUT ON
5:00 AM
DATE PUT ON
1/31 2002
TUBE & ORIF SIZE
TIME TAKEN OFF
3:00 PM
DATE TAKEN OFF
1/31 2002
MW-M2500-H
P2500 W100
SIGNED
PRESSURE
DIFFERENTIAL
12 NOON
1 P.M.
2 P.M.
3 P.M.
9 A.M.
10 A.M.
11 A.M.
8 A.M.
7 A.M.
12 MIDNIGHT
11 P.M.
10 P.M.
9 P.M.

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
APR 10 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-74869

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
SAND WASH (GR RVR)

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
TAR SANDS FEDERAL 13-30

9. API Well No.
43-013-31637

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

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

11. County or Parish, State
DUCHESNE COUNTY, UTAH

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0603 FSL 0699 FWL SW/SW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[X] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other	[ ] 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.)*

RECOMPLETE GREEN RIVER FORMATION

Perf'd the GB-4 sands on 3/3/00 at 4426-28' w/4 JSPF (8 holes) and at 4432-47' w/4 JSPF (60 holes). Frac'd with 72,725# 20/40 sand in 424 bbls gelled water. RDMO took place 3/3/99. Placed well on production 3/3/00.

RECEIVED
APR 03 2000

14. I hereby certify that the foregoing is true and correct
Signed [signature] Title Operations Secretary Date 3/31/00

(This space for Federal or State office use)
Approved by _____ Title NOTED Date APR 6 2000
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.

WTC
7-11-00

Inland RESOURCES INC.

SUMMARY WORKOVER REPORT

PTS FED 13-30
SW/SW Section 30 - T8S - R17E
Duchesne Co., UT
API # 43-013-1637

Spud Dat 6/25/96
TD 6140'
Completion or Workover Rig PENNANT #4

Report Date 2/27/00 Day 1 **Recompletion**

Date Work Performed 2/26/00

MIRU SU. Pump 90 BW @ 250 degrees down csg. Unseat pump. Flush tbg & rods w/50 BW. TOOh w/rods & pump. Release TA. RU BOP. PU 10 jts tbg to tag fill @ 6095' KB. TOOH w/96 jts tbg (tailled out). SIFN. 140 BWTR.

Daily Cost $2,100 Cumulative Cost $2,100

Report Date 2/29/00 Day 2 **Recompletion**

Date Work Performed 2/28/00

Cont'd POOH w/105 jts tbg. Found hole @ 5550', LD split jt & jt above & jt below. TIH w/5-1/2" bit & scraper & SN w/standing valve in place. Tag sand top @ 6095'–5' of fill. Fill tbg w/15 BW & pressure test tbg to 1000 psi w/no leak off. TIH w/sandline & retrieved standing valve. LD 9 jts tbg & TOOH w/198 jts tbg, SN & scraper. TIH w/Arrow 5-1/2" LS, RBP, 159 jts tbg & set RBP @ 5799'. Got off plug & pulled up two stands & filled hole w/50 BW. Test to 3000 psi w/no leak off. POOH w/tbg & SWIFN. EWTR 205 bbls. Hot oil truck also heated frac tanks.

Daily Cost $3,700 Cumulative Cost $5,800

Report Date 3/1/00 Day 3 **Recompletion**

Date Work Performed 2/29/00

RU Schlumberger WLT to RIH w/4" perf gun. Can't get through thick oil @ 490'. RD WLT. TIH w/NC & 60 jts tbg to 1930'. Rev circ oil out of hole. TOH w/tbg & NC. RU WLT & perf GB-4 sands @ 4426-28' & 4432-47' w/4 JSPF. NU isolation tool. RU BJ Services to frac GB sands w/72,725# 20/40 sd in 424 bbls Viking I-25 fluid. Fill hole w/4 bbls pad fluid. Perfs broke dwn @ 2100 psi. Treated @ avg press of 2500 psi w/avg rate of 33 bpm. When sand hit perfs, pressure incr'd steadily. Cut sand @ blender @ 9 ppg & incr'd to max available rate of 34 BPM. Screened out w/8.5# sand on perfs w/1411 gals left to flush. Est 64,063# sand in formation & 8,662# sand left in csg. RD BJ. Flow well back on 12/64" choke for 2 hrs & died. Rec 40 BTF (est 9% of load). ND isolation tool. TIH w/RH & tbg. Displaced 10 BW on TIH. Tag solid sand @ 4118'. Pull EOT to 4072'. RU circ equip. Rev circ hole clean. SIFN w/est 680 BWTR (includes 101 bbls ahead of frac).

STIM DETAIL:
3000 gals of pad
1000 gals w/1-6 ppg of 20/40 sand
8000 gals w/6-8 ppg of 20/40 sand (of 3000 gal stage)
Flush w/3108 gals of slickwater (1411 gals short of top perf)
Screened out w/8.5 ppg sand on perfs. Est 64,063# sand in fm & 8,662# sand left in csg.
Max TP 4000, Avg TP 2500, ISIP 3200; Max Rate 34 BPM, Avg Rate 33 BPM
Total fluid pmpd: 424 bbls Total prop pmpd: 72,728#

Daily Cost $32,031 Cumulative Cost $37,831

Report Date 3/2/00 Day 4 **Recompletion**

Date Work Performed 3/1/00

RIH w/16 jts tbg. C/O sand to RBP @ 4799'. Lost est 70 BW during circulation. Pull EOT to 4034'. Prep to swab GB sands. SIFN w/est 750 BWTR.

Inland RESOURCES INC.

SUMMARY WORKOVER REPORT

Daily Cost $2,810 Cumulative Cost $40,641

Report Date 3/3/00 Day 5 **Recompletion - POP**

Date Work Performed 3/2/00

TIH w/tbg f/4034'. Tag sand @ 4775', 15' new fill. Pull EOT to 4730'. RU swab equipment. IFL @ 500'. Made 12 swab runs & rec'd 103 BTF w/tr oil & good gas. No sand last 4 runs. FFL @ 2200'. TIH w/tbg. Tag fill @ 4769'. Rev circ out sand to RBP @ 4799'. Lost 82 BW filling hole & circ'g sand. Release plug. TOH w/tbg. LD plug. SIFN w/est 729 BWTR.

Daily Cost $2,402 Cumulative Cost $43,043

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION COMPANY

ADDRESS

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
D		12308									

WELL 1 COMMENTS: *SAND WASH (GREEN RIVER) UNIT EFF 12-01-97;ALL WELLS LISTED SHOULD BE GROUPED TOGETHER UNDER A COMMON ENTITY NUMBER AS PER OPERATOR REQUEST EFF 12-1-97. (SEE ATTACHED)

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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

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

(3/89)

L. CORDOVA (DOGM)
Signature

ADMIN. ANALYST
Title

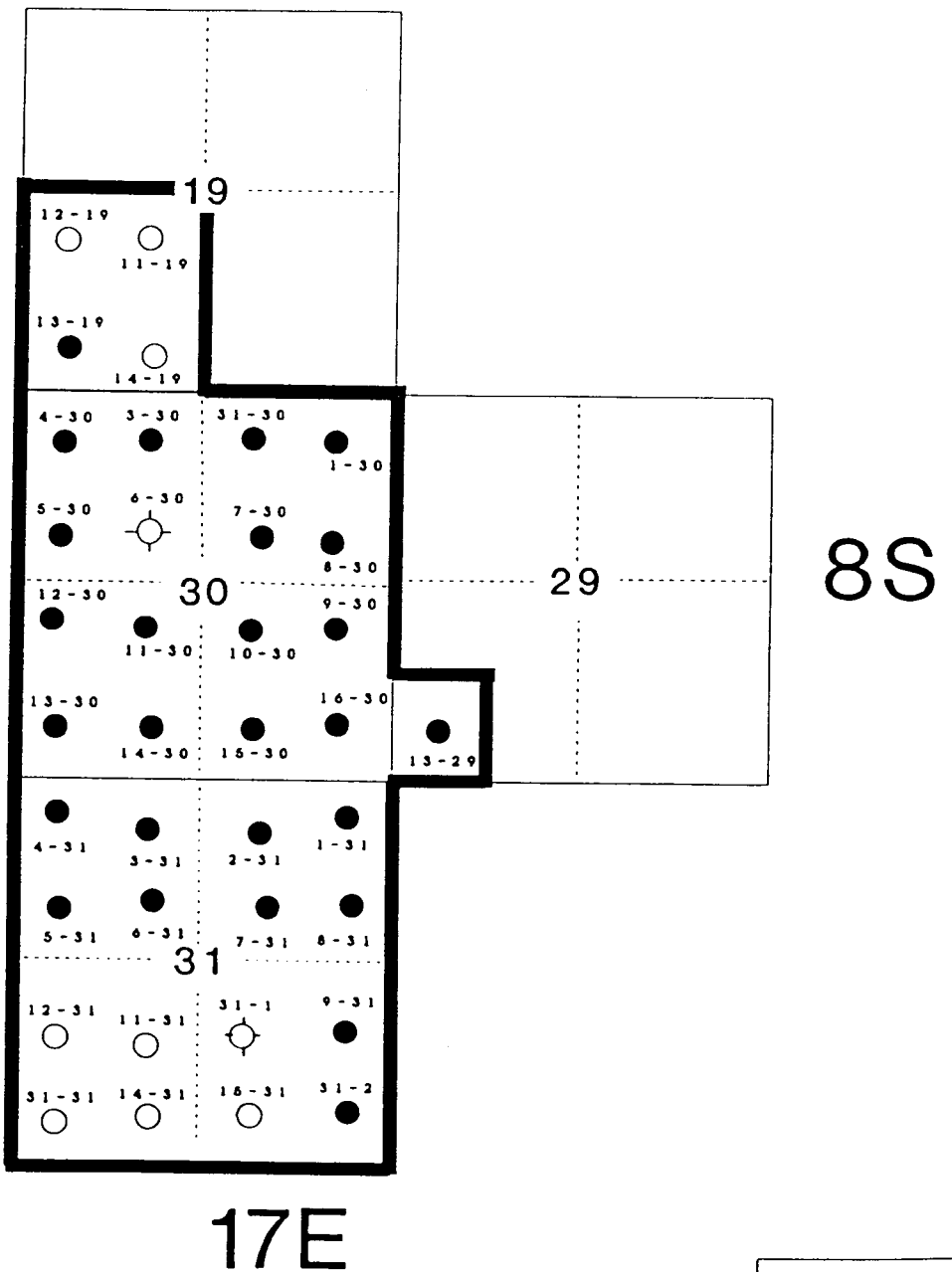
3-11-98
Date

Phone No. ( )

SAND WASH (GREEN RIVER) UNIT

Duchesne County, Utah

EFFECTIVE: DECEMBER 1, 1997



UNIT OUTLINE (UTU76788X)

1,444.06 ACRES

SECONDARY ALLOCATION	
FEDERAL	96.94%
FEE	3.06%

INLAND PRODUCTION CO. ANY SANDWASH UNIT *AS OF 3/10/98*

SANDWASH UNIT	WELL NAME & # W/ RANGE & TOWNSHIP	API NUMBER	
	TAR SANDS #13-29-8-17	43-013-31925	12218
	TAR SANDS #1-30-8-17	43-013-31898	12251
Wildrose Resources –	~~HARBOUR TOWN #31-30-8-17 (2-30)~~	~~43-013-31758~~	12097
	TAR SANDS #3-30-8-17	43-013-31755	12045
	TAR SANDS #4-30-8-17	43-013-31621	11916
	TAR SANDS #5-30-8-17	43-013-31620	11958
	TAR SANDS #7-30-8-17	43-013-31807	12131
	TAR SANDS #8-30-8-17	43-013-31870	12141
	TAR SANDS #9-30-8-17	43-013-31873	12177
	TAR SANDS #10-30-8-17	43-013-31808	12126
	TAR SANDS #11-30-8-17	43-013-31732	12041
	TAR SANDS #12-30-8-17	43-013-31543	11945
	TAR SANDS #13-30-8-17	43-013-31637	11940
	TAR SANDS #15-30-8-17	43-013-31874	12164
	TAR SANDS #16-30-8-17	43-013-31708	12070
	TAR SANDS #1-31-8-17	43-013-31654	12012
	TAR SANDS #2-31-8-17	43-013-31866	12142
	TAR SANDS #3-31-8-17	43-013-31733	12162
	TAR SANDS #4-31-8-17	43-013-31606	11953
	TAR SANDS #5-31-8-17	43-013-31607	12140
	TAR SANDS #6-31-8-17	43-013-31686	12163
	TAR SANDS #7-31-8-17	43-013-31684	12149
	TAR SANDS #8-31-8-17	43-013-31615	11913
	TAR SANDS #9-31-8-17	43-013-31616	12220
Wildrose Resources –	~~GOV'T #31-2-8-17 (16-31)~~	~~43-013-20082~~	06300

To: Liska
From: Hebbe

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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

FACSIMILE COVER SHEET

DATE: 01-09-98

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 4

TO: KEBBIE JONES
INLAND PRODUCTION COMPANY

FAX NUMBER: (801)722-9149

FROM: LISHA CORDOVA
DIVISION OF OIL GAS AND MINING

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

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

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

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

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

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

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 L Coulthard

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

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.

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

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065914

UTU-

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76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

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 Footage : QQ, Section, Township, Range: County : State : UTAH	Field or Unit Name: See Attached List Lease Designation and Number:

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: Brian Harris
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: Brian Harris
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: D. Hunt
Title: Tech. Services Manager

Approval Date: 9-20-04

Comments: Note: Indian Country wells will require EPA approval.

(5/2000)

RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and 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):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:** **SAND WASH (GREEN RIVER)**

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

INSPECTION FORM 6

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

RECEIVED
AUG 3 1 2005
DIV. OF OIL, GAS & MINING

INJECTION WELL - PRESSURE TEST

Well Name: Tar Sands Federal 13-30-8-17 API Number: 43-013-31637
Qtr/Qtr: SW SW Section: 30 Township: 8 S Range: 17 W
Company Name: Newfield

Lease: State ____ Fee ____ Federal X Indian ____
Inspector: Floyd Bartlett Date: 8-26-05

Initial Conditions: Not injecting

Tubing - Rate: ____ Pressure: ____ psi

Casing/Tubing Annulus - Pressure: 1030 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1030	450
5	"	"
10	"	"
15	"	"
20	"	"
25	"	"
30	"	"

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1030 psi

Casing/Tubing Annulus Pressure: 450 psi

COMMENTS: Test after workover and refracking

Michael Hallinger
Operator Representative

Entered 8/20

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
UTU74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
SAND WASH UNIT

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection well

8. Well Name and No.
TAR SANDS FED 13-30-8-17

2. Name of Operator
Newfield Production Company

9. API Well No.
4301331637

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

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
0603 FSL 0699 FWL
SW/SW Section 30 T8S R17E

11. County or Parish, State
Duchesne,UT

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

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

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

The subject well was recompleted in the Green River Formation. Three new intervals were perferated. The CP4 sds @ 6070-6076'; A3 sds @ 5474-5482'; B1 sds @ 5236-5242', all with 4 JSPF for a total of 80 shots. On 9-6-05 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 9-7-05. On 9-7-05 the csg was pressured up to 1030 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 450 psig during the test. There was not an EPA representative available to witness the test.

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

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Kathy Chapman

Title
Office Manager

Signature Kathy Chapman

Date
09/13/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

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 new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74869
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: SAND WASH UNIT
8. WELL NAME and NUMBER: TAR SANDS FED 13-30-8-17
9. API NUMBER: 4301331637
10. FIELD AND POOL, OR WILDCAT: Monument Butte

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Injection well

2. NAME OF OPERATOR: Newfield Production Company

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 0603 FSL 0699 FWL COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/SW, 30, T8S, R17E STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
09/13/2005	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: -
	☐ CONVERT WELL TYPE	☒ RECOMPLETE - DIFFERENT FORMATION	

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

The subject well was recompleted in the Green River Formation. Three new intervals were perferated. The CP4 sds @ 6070-6076'; A3 sds @ 5474-5482'; B1 sds @ 5236-5242', all with 4 JSPF for a total of 80 shots. On 9-6-05 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 9-7-05. On 9-7-05 the csg was pressured up to 1030 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 450 psig during the test. There was not an EPA representative available to witness the test.

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager

SIGNATURE Kathy Chapman DATE 09/13/2005

(This space for State use only)

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: 9 / 7 / 05
Test conducted by: Michael Hallinger
Others present: _____

Well Name: Tar Sands Fed Type: ER SWD Status: AC TA UC
Field: Greater Boundary
Location: 13 Sec: 30 T 8 N/S R 17 E/W County: Duchesne State: UT
Operator: NEW FIELD
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [X] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [X] Yes [ ] No
Well injecting during test? [ ] Yes [X] 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	450 psig	psig	psig
End of test pressure	450 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1030 psig	psig	psig
5 minutes	1030 psig	psig	psig
10 minutes	1030 psig	psig	psig
15 minutes	1030 psig	psig	psig
20 minutes	1030 psig	psig	psig
25 minutes	1030 psig	psig	psig
30 minutes	1030 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

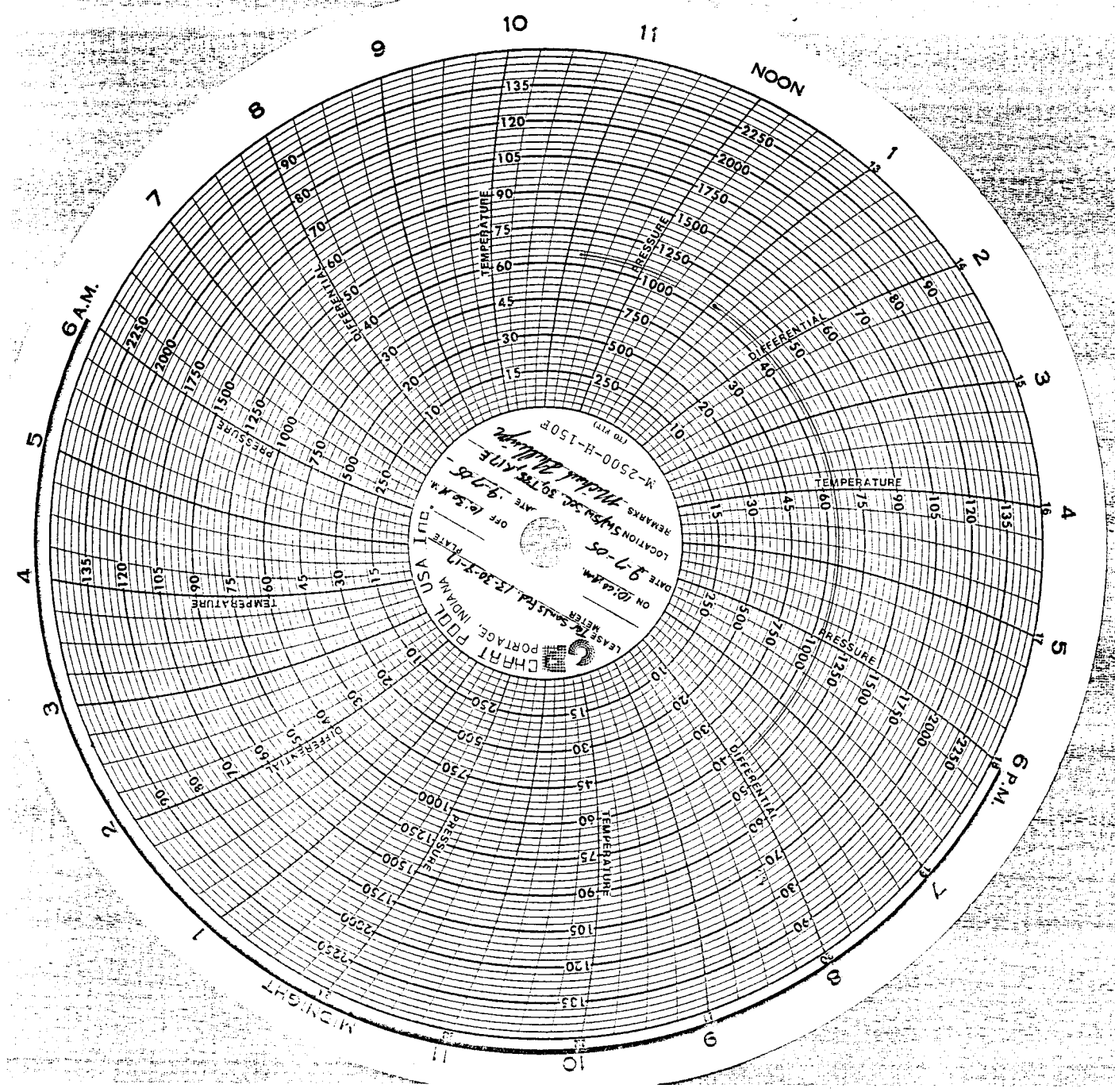
Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

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: _____



NOON
6 P.M.
MIDNIGHT
6 A.M.
TEMPERATURE
PRESSURE
DIFFERENTIAL
CHART POOL USA Inc.
PORTAGE, INDIANA
M-2500-H-150F
LEASE
METER
ON
DATE
LOCATION
REMARKS
OFF
PLATE

Form Approved. OMB No 2000-0042. Approval expires 9-30-86

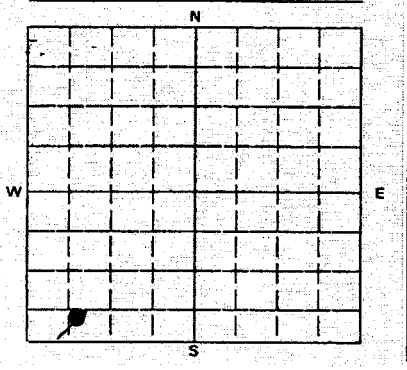
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR
Newfield Production Company 410 17th Street, Suite 700 Denver, Colorado 80202-4402	Same as Permittee

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



STATE	COUNTY	PERMIT NUMBER
Utah	Duchesne	U-74869

SURFACE LOCATION DESCRIPTION

¼ OF SW ¼ OF SW SECTION 30 TOWNSHIP 8 RANGE 17

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

Surface Location 602 ft. from (N/S) S Line of quarter section
and 698 ft. from (E/W) W Line of quarter section

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☐ Brine Disposal	6140	☒ Individual
☒ Enhanced Recovery	Total Depth After Rework: 6140	☐ Area
☐ Hydrocarbon Storage	Date Rework Commenced: 8/9/2005	Number of Wells: 1
Lease Name: Tars Sand Federal	Date Rework Completed: 8/12/2005	Well Number: 13-30-8-17

WELL CASING RECORD -- BEFORE REWORK

Casing Size	Casing Depth	Cement Sacks	Cement Type	Perforations From	Perforations To	Acid or Fracture Treatment Record
8 5/8"	289	120	Premium	5844	6016	Perf CP1 & CP4 sand and fraced
5 1/2	6140	320	Hybond	4940	5023	Pref D1 & D2 sand and fraced
		340	Thixotropic	4426	4447	Perf GB4 sand and fraced

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

Casing Size	Casing Depth	Cement Sacks	Cement Type	Perforations From	Perforations To	Acid or Fracture Treatment Record
				6070	6076	Perf CP4 sand and fraced
				5474	5482	Perf A3 sand and fraced
				5236	5242	Perf B1 sand and fraced

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE Log Types	Logged Intervals
See attached "Daily Workover Report"		

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 amaware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
Kathy Chapman Office Manager	Kathy Chapman	September 13, 2005

EPA Form 7520-12 (2-84)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: TAR SANDS FED 13-30-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301331637

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

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 603 FSL 699 FWL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 30, T8S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Step Rate Test
07/29/2010	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on July 29,2010. Results from the test indicate that the fracture gradient is .816 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 970 psi to 1665 psi.

EPA: UT20847-04407 API: 43-013-31637

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE DATE 08/06/2010

(This space for State use only)

RECEIVED
AUG 11 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 8 / 4 / 2010
Test conducted by: DAVE CLOWARD
Others present: _____

Well Name: 13-30-8-17 Type: ER SWD Status: AC TA UC
Field: TAR SANDS FEDERAL
Location: SW/SW Sec: 30 T 8 N/S R 17 E/W County: DUCHESNE State: UTAH
Operator: NEWFIELD EXPLORATION
Last MIT: / / Maximum Allowable Pressure: 970 PSIG

UTU-87538X API 43-013-31637

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

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1101 psig	psig	psig
End of test pressure	1101 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1400 psig	psig	psig
5 minutes	1400 psig	psig	psig
10 minutes	1400 psig	psig	psig
15 minutes	1400 psig	psig	psig
20 minutes	1400 psig	psig	psig
25 minutes	1400 psig	psig	psig
30 minutes	1400 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

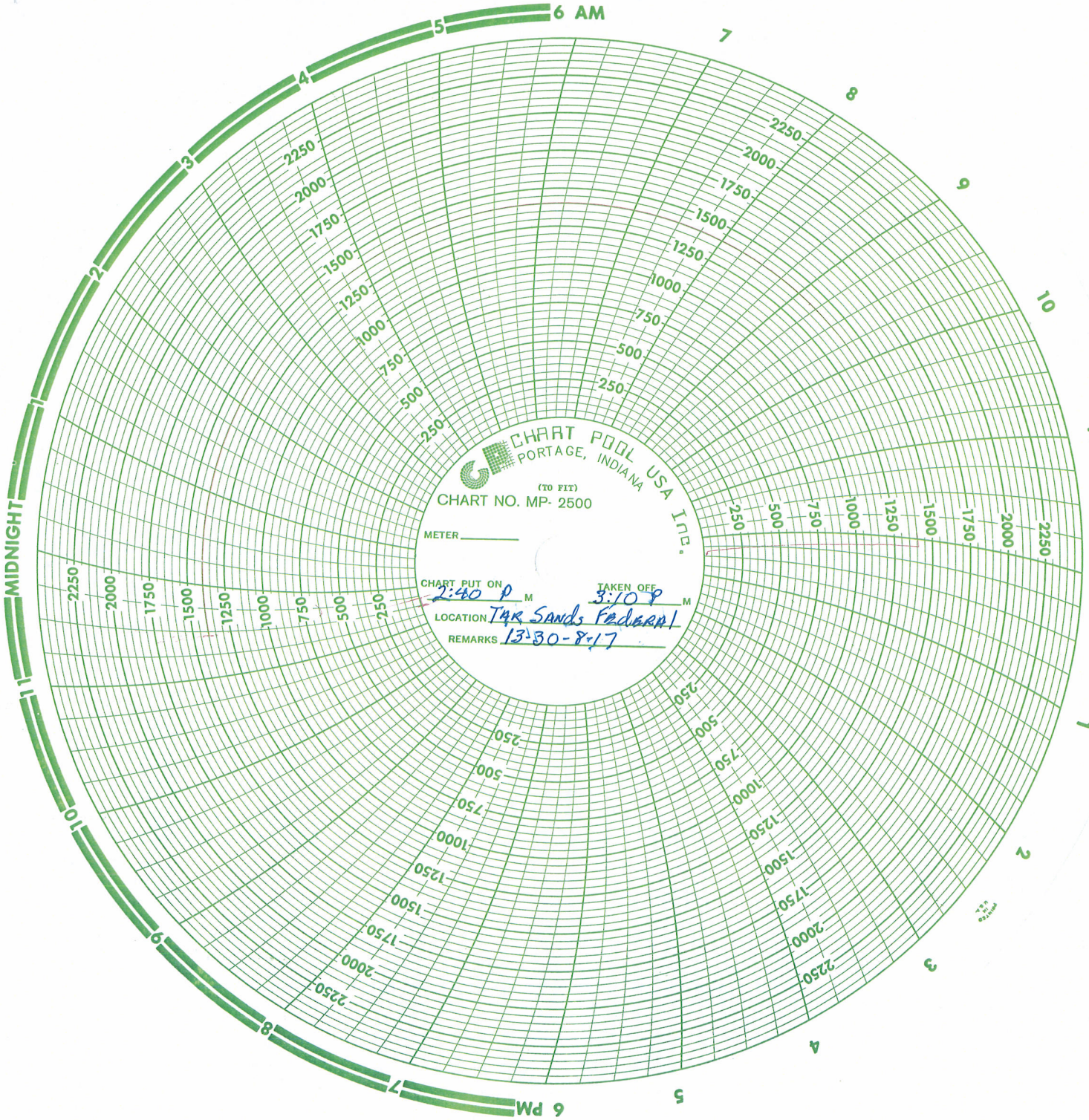
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

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: _____


6 AM
7
8
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11
NOON
1
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11
MIDNIGHT
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
CHART PUT ON 2:40 P M
TAKEN OFF 3:10 P M
LOCATION Tar Sands Federal
REMARKS 13-30-8-17

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: TAR SANDS FED 13-30-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301331637

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

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

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 603 FSL 699 FWL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 30, T8S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Step Rate Test
07/29/2010	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on July 29,2010. Results from the test indicate that the fracture gradient is .816 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 970 psi to 1665 psi.

EPA: UT20847-04407 API: 43-013-31637

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE Lucy Chavez-Naupoto DATE 08/06/2010

(This space for State use only)

RECEIVED
AUG 11 2010
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 08/04/2010

Operator: Newfield Production Company

Well: Tar Sands Federal 13-30-8-17

Permit #: UT20847-04407

Enter the following data :

Specific Gravity (sg) of injectate =	1.015	g/cc	
Depth to top perforation (D) =	4426	feet	4426
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		feet	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	1665	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =	1776	psi	1665
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		psi	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.816 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1776

D = depth used = 4426 Pbhp used = 3610

Calculated Bottom Hole Parting Pressure (Pbhp) = 3610 psi 3610.205

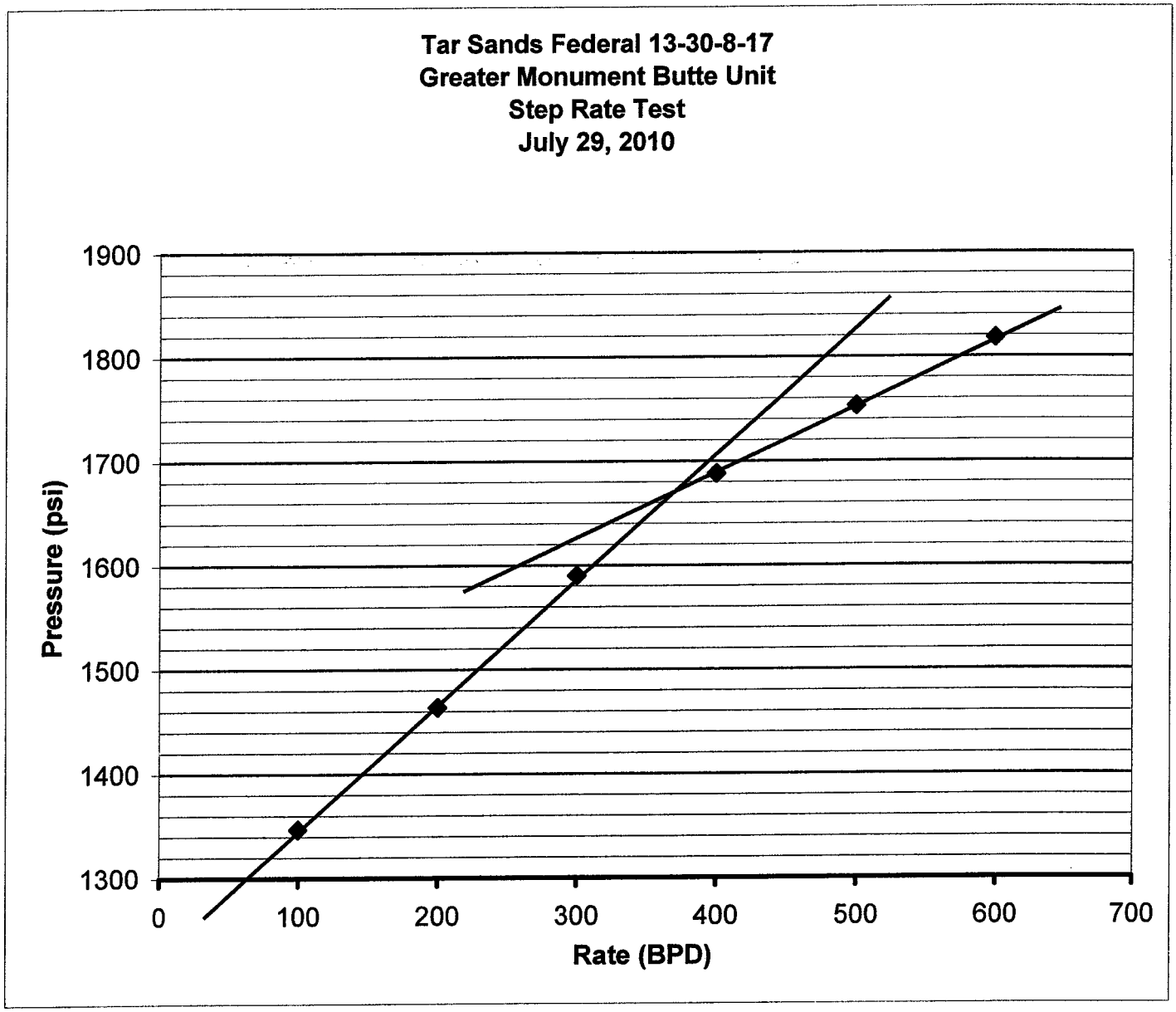
to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1665

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

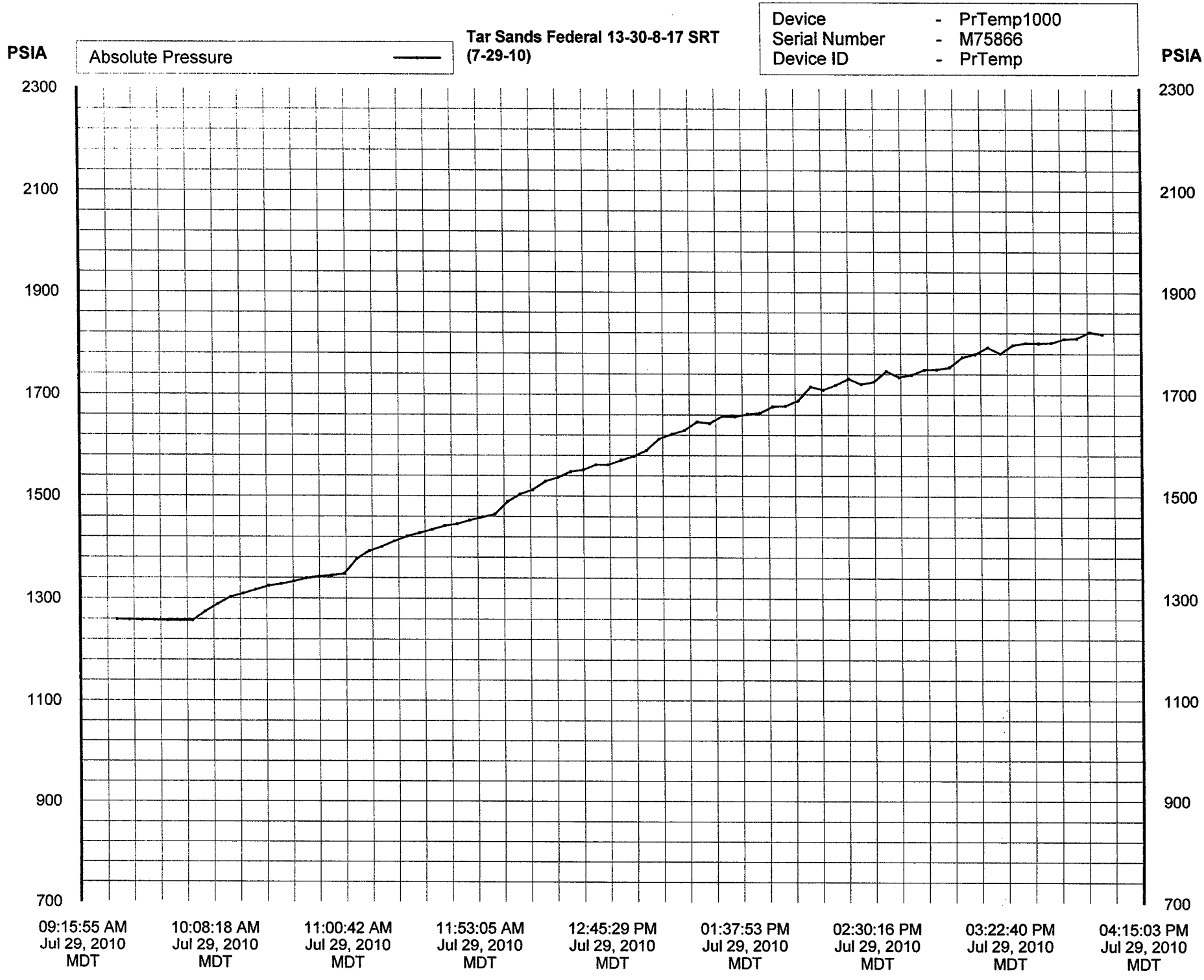
Maximum Allowable Injection Pressure (MAIP) = 1665 psig

D = depth used = 4426 MAIP = [fg - (0.433 * SG)] * D = 1666.411 (rounded down to nearest 5 psig)



Start Pressure:	1257	psi
Instantaneous Shut In Pressure (ISIP):	1776	psi
Top Perforation:	4426	feet
Fracture pressure (Pfp):	1665	psi
FG:	0.816	psi/ft

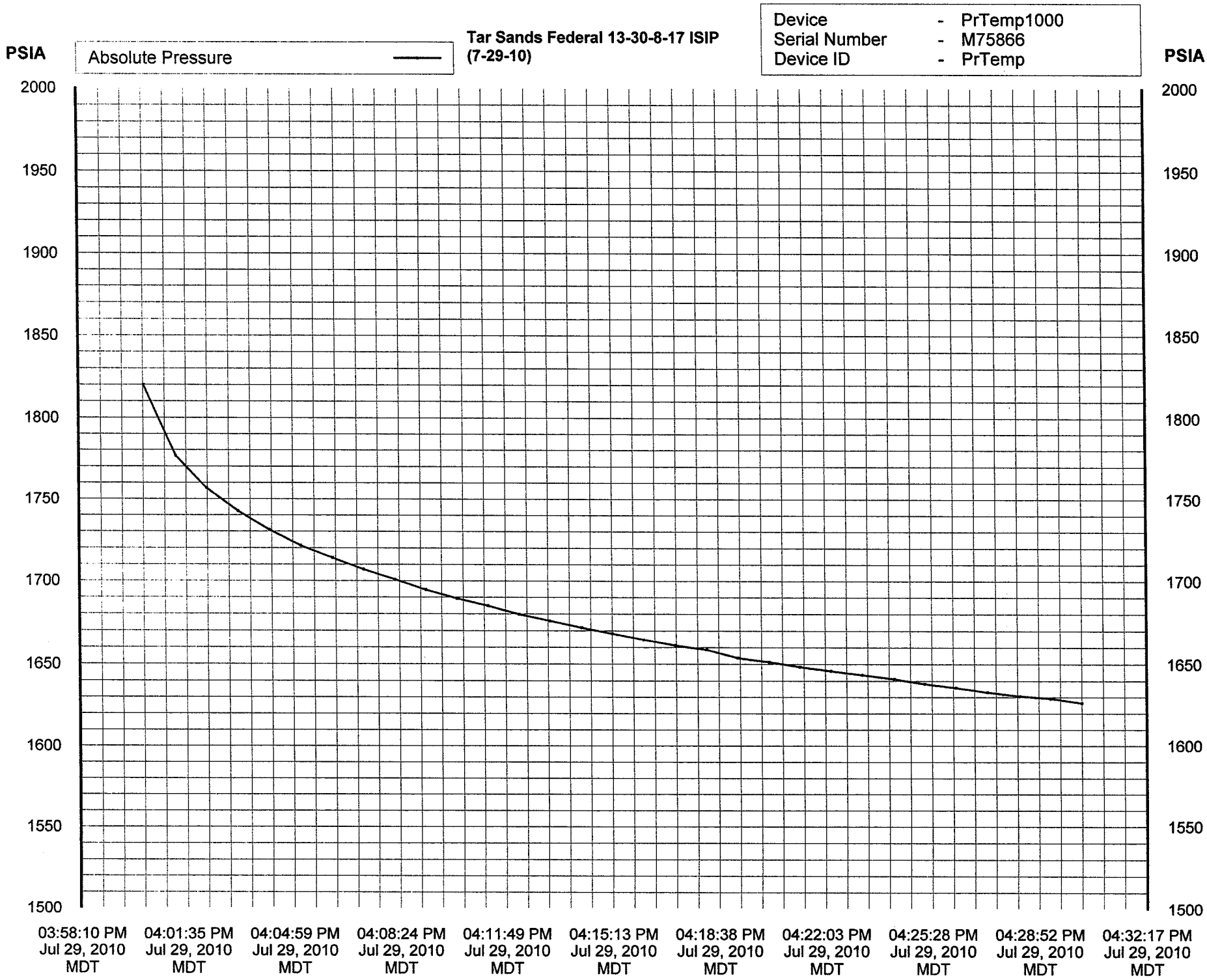
Step	Rate(bpd)	Pressure(psi)
1	100	1347
2	200	1464
3	300	1590
4	400	1688
5	500	1753
6	600	1818


Tar Sands Federal 13-30-8-17 SRT
(7-29-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
Absolute Pressure
PSIA
PSIA
2300
2100
1900
1700
1500
1300
1100
900
700
09:15:55 AM Jul 29, 2010 MDT
10:08:18 AM Jul 29, 2010 MDT
11:00:42 AM Jul 29, 2010 MDT
11:53:05 AM Jul 29, 2010 MDT
12:45:29 PM Jul 29, 2010 MDT
01:37:53 PM Jul 29, 2010 MDT
02:30:16 PM Jul 29, 2010 MDT
03:22:40 PM Jul 29, 2010 MDT
04:15:03 PM Jul 29, 2010 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jul 29, 2010 06:58:33 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Tar Sands Federal 13-30-8-17 SRT (7-29-10).csv
Title:	Tar Sands Federal 13-30-8-17 SRT (7-29-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jul 29, 2010 09:29:59 AM MDT
Data End Date:	Jul 29, 2010 03:59:59 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 79 of 79
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jul 29, 2010 09:29:59 AM	1258.600 PSIA	
2	Jul 29, 2010 09:34:59 AM	1258.400 PSIA	
3	Jul 29, 2010 09:39:59 AM	1257.600 PSIA	
4	Jul 29, 2010 09:44:59 AM	1257.600 PSIA	
5	Jul 29, 2010 09:49:59 AM	1256.800 PSIA	
6	Jul 29, 2010 09:54:59 AM	1256.600 PSIA	
7	Jul 29, 2010 09:59:59 AM	1256.800 PSIA	
8	Jul 29, 2010 10:04:59 AM	1274.000 PSIA	
9	Jul 29, 2010 10:09:59 AM	1288.800 PSIA	
10	Jul 29, 2010 10:15:00 AM	1302.400 PSIA	
11	Jul 29, 2010 10:20:00 AM	1309.000 PSIA	
12	Jul 29, 2010 10:25:00 AM	1316.600 PSIA	
13	Jul 29, 2010 10:29:59 AM	1324.000 PSIA	
14	Jul 29, 2010 10:34:59 AM	1327.600 PSIA	
15	Jul 29, 2010 10:40:00 AM	1332.600 PSIA	
16	Jul 29, 2010 10:45:00 AM	1338.800 PSIA	
17	Jul 29, 2010 10:50:00 AM	1341.800 PSIA	
18	Jul 29, 2010 10:54:59 AM	1343.800 PSIA	
19	Jul 29, 2010 10:59:59 AM	1347.000 PSIA	
20	Jul 29, 2010 11:04:59 AM	1376.600 PSIA	
21	Jul 29, 2010 11:09:59 AM	1392.200 PSIA	
22	Jul 29, 2010 11:15:00 AM	1400.600 PSIA	
23	Jul 29, 2010 11:19:59 AM	1411.800 PSIA	
24	Jul 29, 2010 11:25:00 AM	1421.000 PSIA	
25	Jul 29, 2010 11:30:00 AM	1427.200 PSIA	
26	Jul 29, 2010 11:35:00 AM	1434.000 PSIA	
27	Jul 29, 2010 11:40:01 AM	1441.400 PSIA	
28	Jul 29, 2010 11:44:59 AM	1445.200 PSIA	
29	Jul 29, 2010 11:49:59 AM	1452.600 PSIA	
30	Jul 29, 2010 11:54:59 AM	1458.600 PSIA	
31	Jul 29, 2010 11:59:59 AM	1464.400 PSIA	
32	Jul 29, 2010 12:04:59 PM	1489.000 PSIA	
33	Jul 29, 2010 12:10:00 PM	1503.000 PSIA	
34	Jul 29, 2010 12:14:59 PM	1511.600 PSIA	
35	Jul 29, 2010 12:19:59 PM	1528.000 PSIA	
36	Jul 29, 2010 12:25:00 PM	1536.200 PSIA	
37	Jul 29, 2010 12:29:59 PM	1547.200 PSIA	
38	Jul 29, 2010 12:34:59 PM	1550.800 PSIA	
39	Jul 29, 2010 12:40:00 PM	1561.400 PSIA	
40	Jul 29, 2010 12:44:59 PM	1561.600 PSIA	
41	Jul 29, 2010 12:49:59 PM	1570.600 PSIA	
42	Jul 29, 2010 12:55:00 PM	1578.000 PSIA	
43	Jul 29, 2010 12:59:59 PM	1589.800 PSIA	
44	Jul 29, 2010 01:04:59 PM	1612.400 PSIA	
45	Jul 29, 2010 01:09:59 PM	1621.600 PSIA	
46	Jul 29, 2010 01:15:00 PM	1629.200 PSIA	
47	Jul 29, 2010 01:19:59 PM	1646.000 PSIA	
48	Jul 29, 2010 01:24:59 PM	1643.000 PSIA	
49	Jul 29, 2010 01:29:59 PM	1657.000 PSIA	
50	Jul 29, 2010 01:35:00 PM	1656.200 PSIA	
51	Jul 29, 2010 01:39:59 PM	1661.200 PSIA	
52	Jul 29, 2010 01:44:59 PM	1663.600 PSIA	
53	Jul 29, 2010 01:49:59 PM	1676.000 PSIA	
54	Jul 29, 2010 01:54:59 PM	1677.000 PSIA	
55	Jul 29, 2010 02:00:00 PM	1688.000 PSIA	
56	Jul 29, 2010 02:05:00 PM	1715.000 PSIA	
57	Jul 29, 2010 02:09:59 PM	1708.800 PSIA	
58	Jul 29, 2010 02:15:00 PM	1718.200 PSIA	
59	Jul 29, 2010 02:20:00 PM	1730.800 PSIA	

60	Jul 29, 2010 02:24:59 PM	1720.200	PSIA
61	Jul 29, 2010 02:29:59 PM	1724.800	PSIA
62	Jul 29, 2010 02:35:00 PM	1745.600	PSIA
63	Jul 29, 2010 02:40:00 PM	1734.000	PSIA
64	Jul 29, 2010 02:45:00 PM	1738.600	PSIA
65	Jul 29, 2010 02:50:00 PM	1748.400	PSIA
66	Jul 29, 2010 02:54:59 PM	1749.000	PSIA
67	Jul 29, 2010 03:00:00 PM	1753.400	PSIA
68	Jul 29, 2010 03:05:00 PM	1773.000	PSIA
69	Jul 29, 2010 03:10:00 PM	1779.000	PSIA
70	Jul 29, 2010 03:15:00 PM	1791.800	PSIA
71	Jul 29, 2010 03:20:00 PM	1780.400	PSIA
72	Jul 29, 2010 03:25:00 PM	1796.600	PSIA
73	Jul 29, 2010 03:30:00 PM	1800.800	PSIA
74	Jul 29, 2010 03:35:00 PM	1800.000	PSIA
75	Jul 29, 2010 03:39:59 PM	1801.200	PSIA
76	Jul 29, 2010 03:45:00 PM	1808.600	PSIA
77	Jul 29, 2010 03:50:00 PM	1810.000	PSIA
78	Jul 29, 2010 03:54:59 PM	1821.800	PSIA
79	Jul 29, 2010 03:59:59 PM	1818.000	PSIA


Tar Sands Federal 13-30-8-17 ISIP
(7-29-10)
Absolute Pressure
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
PSIA
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
03:58:10 PM Jul 29, 2010 MDT
04:01:35 PM Jul 29, 2010 MDT
04:04:59 PM Jul 29, 2010 MDT
04:08:24 PM Jul 29, 2010 MDT
04:11:49 PM Jul 29, 2010 MDT
04:15:13 PM Jul 29, 2010 MDT
04:18:38 PM Jul 29, 2010 MDT
04:22:03 PM Jul 29, 2010 MDT
04:25:28 PM Jul 29, 2010 MDT
04:28:52 PM Jul 29, 2010 MDT
04:32:17 PM Jul 29, 2010 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jul 29, 2010 06:58:26 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Tar Sands Federal 13-30-8-17 ISIP (7-29-10).csv
Title:	Tar Sands Federal 13-30-8-17 ISIP (7-29-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jul 29, 2010 04:00:14 PM MDT
Data End Date:	Jul 29, 2010 04:30:14 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 31 of 31
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jul 29, 2010 04:00:14 PM	1819.800 PSIA	
2	Jul 29, 2010 04:01:15 PM	1776.400 PSIA	
3	Jul 29, 2010 04:02:14 PM	1756.600 PSIA	
4	Jul 29, 2010 04:03:14 PM	1742.400 PSIA	
5	Jul 29, 2010 04:04:14 PM	1731.000 PSIA	
6	Jul 29, 2010 04:05:14 PM	1721.400 PSIA	
7	Jul 29, 2010 04:06:15 PM	1714.000 PSIA	
8	Jul 29, 2010 04:07:15 PM	1707.000 PSIA	
9	Jul 29, 2010 04:08:15 PM	1700.800 PSIA	
10	Jul 29, 2010 04:09:15 PM	1694.600 PSIA	
11	Jul 29, 2010 04:10:15 PM	1689.200 PSIA	
12	Jul 29, 2010 04:11:15 PM	1684.800 PSIA	
13	Jul 29, 2010 04:12:15 PM	1679.800 PSIA	
14	Jul 29, 2010 04:13:14 PM	1675.800 PSIA	
15	Jul 29, 2010 04:14:15 PM	1671.800 PSIA	
16	Jul 29, 2010 04:15:14 PM	1668.200 PSIA	
17	Jul 29, 2010 04:16:14 PM	1664.600 PSIA	
18	Jul 29, 2010 04:17:15 PM	1661.200 PSIA	
19	Jul 29, 2010 04:18:15 PM	1658.600 PSIA	
20	Jul 29, 2010 04:19:15 PM	1653.800 PSIA	
21	Jul 29, 2010 04:20:15 PM	1651.400 PSIA	
22	Jul 29, 2010 04:21:14 PM	1648.400 PSIA	
23	Jul 29, 2010 04:22:14 PM	1646.000 PSIA	
24	Jul 29, 2010 04:23:14 PM	1643.600 PSIA	
25	Jul 29, 2010 04:24:15 PM	1641.200 PSIA	
26	Jul 29, 2010 04:25:14 PM	1638.200 PSIA	
27	Jul 29, 2010 04:26:14 PM	1635.800 PSIA	
28	Jul 29, 2010 04:27:14 PM	1633.000 PSIA	
29	Jul 29, 2010 04:28:15 PM	1630.600 PSIA	
30	Jul 29, 2010 04:29:15 PM	1629.200 PSIA	
31	Jul 29, 2010 04:30:14 PM	1626.400 PSIA	

Tar Sands Federal 13-30-8-17 Rate Sheet (7-29-10)

Step # 1	Time	10:05	10:10	10:15	10:20	10:25	10:30
	Rate	100.4	100.4	100.3	100.3	100.3	100.2
	Time	10:35	10:40	10:45	10:50	10:55	11:00
	Rate	100.2	100.2	100.1	100.1	100.1	100.1
Step # 2	Time	11:05	11:10	11:15	11:20	11:25	11:30
	Rate	200.5	200.5	200.5	200.5	200.4	200.4
	Time	11:35	11:40	11:45	11:50	11:55	12:00
	Rate	200.4	200.4	200.3	200.3	200.3	200.3
Step # 3	Time	12:05	12:10	12:15	12:20	12:25	12:30
	Rate	300.5	300.5	300.5	300.4	300.3	300.3
	Time	12:35	12:40	12:45	12:50	12:55	1:00
	Rate	300.3	300.3	300.3	300.2	300.2	300.2
Step # 4	Time	1:05	1:10	1:15	1:20	1:25	1:30
	Rate	400.4	400.4	400.4	400.3	400.3	400.3
	Time	1:35	1:40	1:45	1:50	1:55	2:00
	Rate	400.3	400.2	400.1	400.1	400.1	400
Step # 5	Time	2:05	2:10	2:15	2:20	2:25	2:30
	Rate	500.6	500.6	500.5	500.5	500.4	500.4
	Time	2:35	2:40	2:45	2:50	2:55	3:00
	Rate	500.4	500.3	500.3	500.3	500.3	500.3
Step # 6	Time	3:05	3:10	3:15	3:20	3:25	3:30
	Rate	600.3	600.3	600.3	600.3	600.2	600.2
	Time	3:35	3:40	3:45	3:50	3:55	4:00
	Rate	600.2	600.2	600.1	600.1	600.1	600.1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

AUG 3 1 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

RE: Underground Injection Control (UIC)
Minor Permit Modification to Increase
Maximum Allowable Injection Pressure
with Authorization to Continue Injection
EPA UIC Permit UT20847-04407
Well: Tar Sands Federal 13-30-8-17
SWSW Sec. 30 – T8S - R17E
Duchesne County, UT
API No.: 43-013-~~31367~~
31637

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

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) August 6, 2010, letter with an enclosure requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Tar Sands Federal 13-30-8-17 well. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.816 psi/ft. EPA's analysis of the data determined the fracture gradient to be 0.815 psi/ft., resulting in a calculated MAIP of 1,660 psig. The MAIP for UIC Permit UT20847-04407 is hereby increased to 1,660 psig from the 970 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Tar Sands Federal 13-30-8-17 well under the terms and conditions of UIC Permit UT20847-04407 at the MAIP of 1,660 psig.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in a request for a higher MAIP, a RTS conducted at the new MAIP is required.

RECEIVED
SEP 09 2010
DIV. OF OIL, GAS & MINING

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8
Attn: Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Emmett Schmitz at 303-312-6174 or 800-227-8917 (ext. 312-6174).

Sincerely,

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

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

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

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869

SUNDRY NOTICES AND REPORTS ON WELLS

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: TAR SANDS FED 13-30

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013316370000

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: 0603 FSL 0699 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 30 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

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 7/6/2015
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

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

5 YR MIT performed on the above listed well. On 07/06/2015 the casing was pressured up to 1095 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1302 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04407

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 07, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 7/7/2015

RECEIVED: Jul. 07, 2015

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: 7 / 6 / 15
Test conducted by: Chris Walters
Others present: _____

-04407

Well Name: Tar Sands Fed 13-30-8-17 Type: ER SWD Status: AC TA UC
Field: GMBU
Location: SW/SW Sec: 30 T 8 N/S R 17 E/W County: Duchesne State: UT
Operator: NFX
Last MIT: / / Maximum Allowable Pressure: 1365 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 28 bpd

Pre-test casing/tubing annulus pressure: 1089 psig

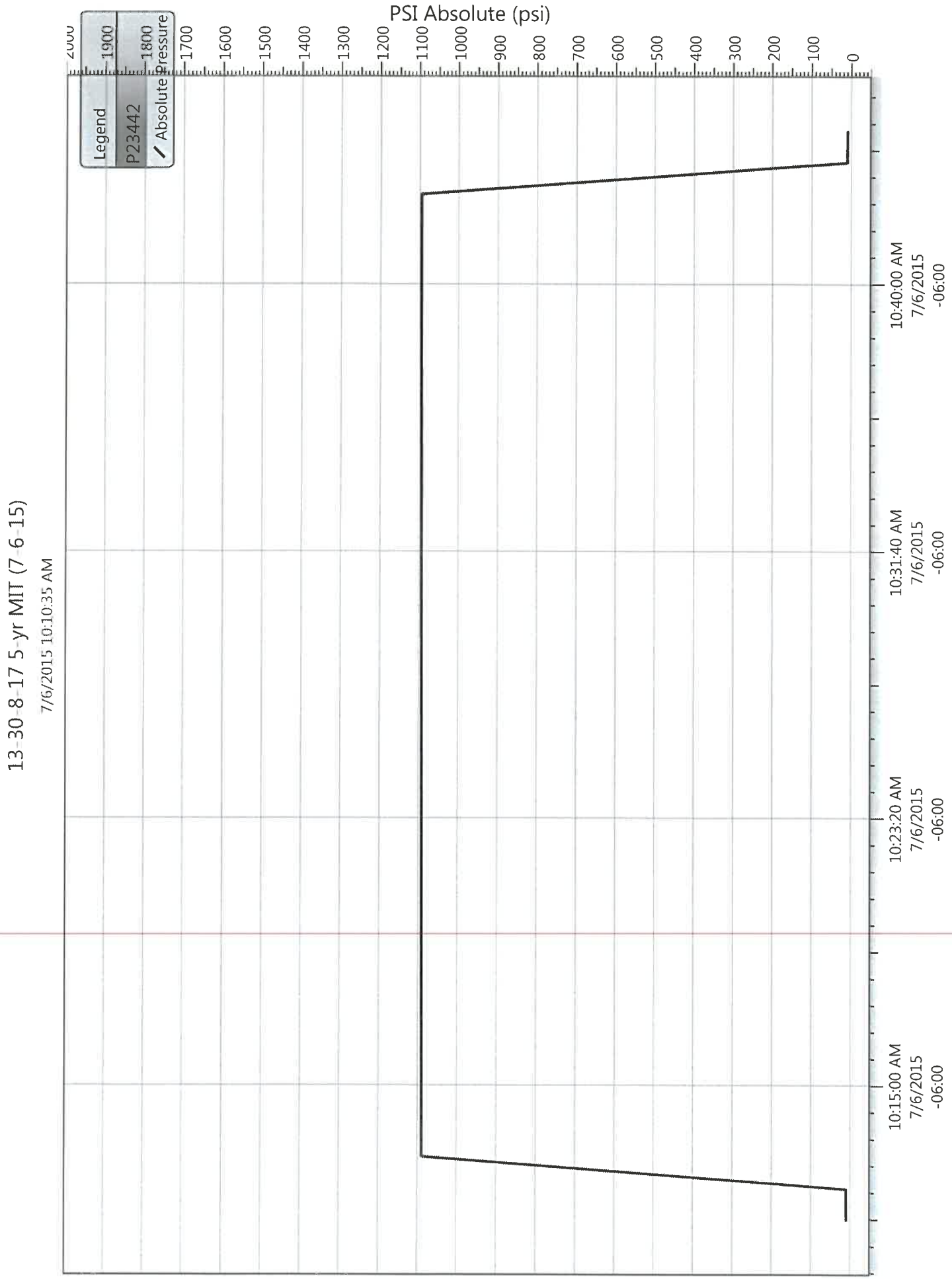
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1302 psig	psig	psig
End of test pressure	1302 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1089 psig	psig	psig
5 minutes	1090 psig	psig	psig
10 minutes	1091 psig	psig	psig
15 minutes	1093 psig	psig	psig
20 minutes	1094 psig	psig	psig
25 minutes	1094 psig	psig	psig
30 minutes	1095 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] 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: [signature]


13-30-8-17 5-yr MIT (7-6-15)
7/6/2015 10:10:35 AM
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
Legend
P23442
Absolute Pressure
10:15:00 AM 7/6/2015 -06:00
10:23:20 AM 7/6/2015 -06:00
10:31:40 AM 7/6/2015 -06:00
10:40:00 AM 7/6/2015 -06:00

Spud Date: 6/29/96
Put on Production: 7/30/96
Put on Injection: 9/18/01

GL: 5282' KB: 5295'

Tar Sands Federal 13-30-8-17

Initial Production: 32 BOPD, 68 MCFPD, 2 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT:24#

LENGTH: 7 jts. (290.48')

DEPTH LANDED: 289.38'(GL)

HOLE SIZE:12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 144 jts. (6146.77')

DEPTH LANDED: 6140.77'

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic

CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:2-7/8"/6.5#/M-50 tbg.

NO. OF JOINTS: 144 jts. (4350.27')

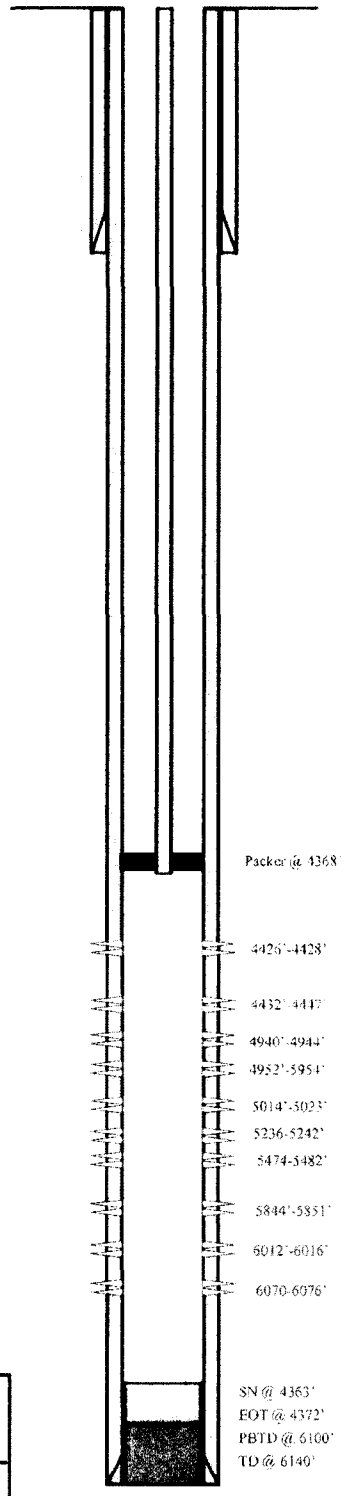
SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4363.27' KB

PACKER: 4367.60' KB

TOTAL STRING LENGTH: EOT @ 4371.79' KB

Injection Wellbore Diagram



FRAC JOB

7/17/96	5844'-6016'	**Frac CP-1 and CP-4 sands as follows:** 83,900# of 20/40 sand in 486 bbls of Boragel. Treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi. Calc. flush: 5844 gal. Actual flush: 5796 gal.
7/20/96	4940'-5023'	**Frac D-1 and D-2 sand as follows:** 87,100# of 20/40 sd in 470 bbls of Boragel. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi. Calc. flush: 4940 gal. Actual flush: 4926 gal.
2/29/00	4426'-4447	**Frac GB-4 sand as follows:** 72,725# 20/40 sand in 424 bbl of Viking I-25 fluid. Treated @ avg. rate of 33BPM @ 2500 psig. ISIP-3200psig. Screened out with 64,063# sand in formation, 8,662# in csg. Calc. flush: 4426 gal. Actual flush: 3108 gal.
3/23/01		**Convert to injector.**
8-11-05	6070-6076'	**Frac CP4 sand as follows:** 5116# 20/40 sand in 160 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 5443 at ave rate of 13.9 BPM. Screened out with 5116# sand in formation.
8-11-05	5474-5482'	**Frac A3 sand as follows:** 14214# 20/40 sand in 159 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 3502 at ave rate of 14.2BPM. ISIP 2500 psi. Calc. flush: 1411 gals. Actual flush: 1306 gals.
8-11-05	5236-5242'	**Frac B1 sand as follows:** 16384# 20/40 sand in 172 bbl of Lightning 17 frac fluid. Treated @ w/avg. pressure of 3078 at ave rate of 14.3 BPM. Calc. Flush: Actual flush: 1218 gals.
08-04-10		**5 yr MIT**

PERFORATION RECORD

7/17/96	5844'-5851'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes
2/29/00	4432'-4447'	4 JSPF	60 holes
2/29/00	4426'-4428'	4 JSPF	8 holes
8-11-05	6070-6076'	4 JSPF	24 holes
8-11-05	5474-5482'	4 JSPF	32 holes
8-11-05	5236-5242'	4 JSPF	24 holes

NEWFIELD

Tar Sands Federal 13-30-8-17
602 FSL & 698 FWL
SWSW Section 30-T8S-R17E
Duchesne Co, Utah
API #43-013-31637; Lease #U-74869

LCN 10-8-10