



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 4191	Dakota	Park City	McCracken
Point 30 4709	Burro Canyon	Rico (Goodridge)	Aneth
X Mkr 5002	Cedar Mountain	Supai	Simonson Dolomite
J Mkr 5040	Buckhorn	Wolfcamp	Sevy Dolomite
Douglas Lrk 5173	JURASSIC	CARBON I FEROUS	North Point
<del>5433</del> Bicarbonate 5433	Morrison	Pennsylvanian	SILURIAN
<del>5588</del> Limestone 5588	Salt Wash	Oquirrh	Laketown Dolomite
<del>6030</del> Castle Peak 6030	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	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	Tapcats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

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

SUBMIT IN THIS DATE

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

RECEIVED  
MAR 3 1996  
(Other instructions on reverse side)

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>U-50376</b>	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>Inland Production Company</b>			7. UNIT AGREEMENT NAME <b>Boundary Unit</b>	
3. ADDRESS OF OPERATOR <b>P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103</b>			8. FARM OR LEASE NAME <b>Boundary Federal</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>SW/SE      658' FSL &amp; 1980' FEL</b> At proposed prod. zone <b>200      603</b>			9. WELL NO. <b>#15-21</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>11.2 miles southeast of Myton, Utah</b>			10. FIELD AND POOL, OR WILDCAT	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>658'</b>		16. NO. OF ACRES IN LEASE <b>1280.93</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>1320'</b>		19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5223' GR</b>			22. APPROX. DATE WORK WILL START* <b>2nd Quarter 1996</b>	

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

24. SIGNED Brad Mechem *Brad Mechem* TITLE Operations Manager DATE 2/29/96

(This space for Federal or State office use)

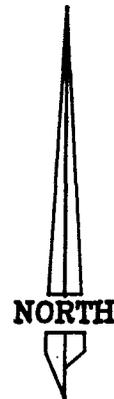
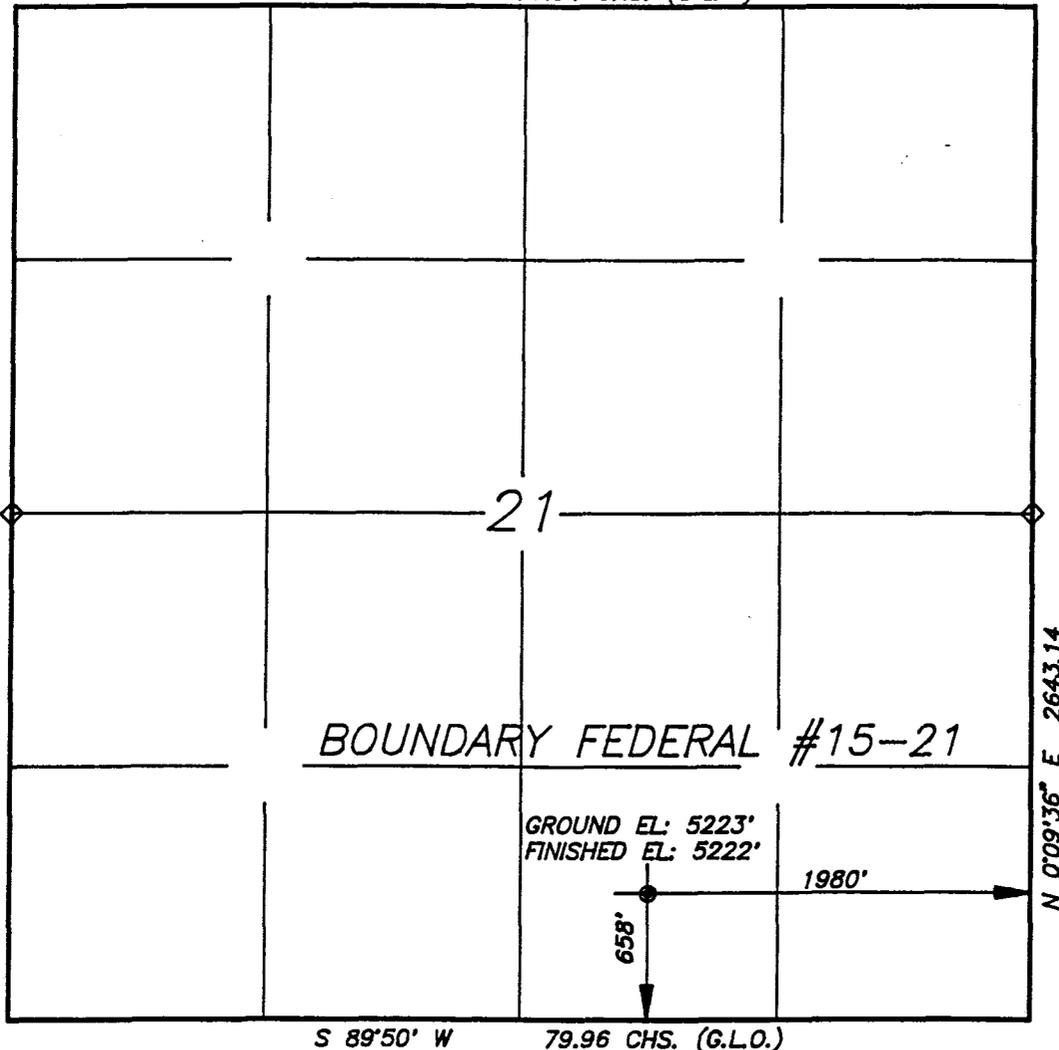
PERMIT NO. 43-013-31622 APPROVAL DATE \_\_\_\_\_  
APPROVED BY JM Matthews TITLE Section Engineer DATE 4/8/96  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

INLAND PRODUCTION CO.  
 WELL LOCATION PLAT  
 BOUNDARY FEDERAL #15-21

LOCATED IN THE SW1/4 OF THE SE1/4  
 SECTION 21, T8S, R17E, S.L.B.&M.

S 89°48' W 79.94 CHS. (G.L.O.)

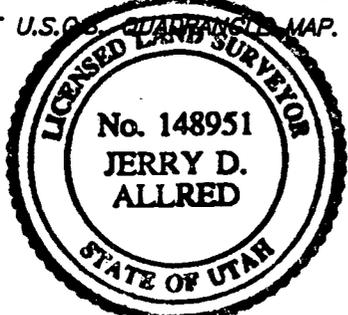


SCALE: 1" = 1000'

LEGEND AND NOTES

- ◇ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.



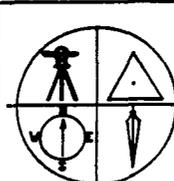
14 FEB 1996

84-121-047

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
 JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
 CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
 SURVEYING CONSULTANTS  
 121 NORTH CENTER STREET  
 P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (801)-738-5352

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/13/96

API NO. ASSIGNED: 43-013-31622
--------------------------------

WELL NAME: BOUNDARY FEDERAL 15-21  
 OPERATOR: INLAND PRODUCTION (N5160)

PROPOSED LOCATION:  
 SWSE 21 - T08S - R17E  
 SURFACE: 0658-FSL-1980-FEL  
 BOTTOM: 0658-FSL-1980-FEL  
 DUCHESNE COUNTY  
 TREATY BOUNDARY FIELD (130)

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 50376

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal  State  Fee   
 (Number 4488944)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number WATER INJECTION WELL)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

- R649-2-3. Unit: \_\_\_\_\_
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: INLAND PRODUCTION CO</b>	<b>Well Name: BOUNDARY FED 15-21</b>
<b>Project ID: 43-013-31622</b>	<b>Location: SEC. 21 - T08S - R17E</b>

Design Parameters:

Mud weight ( 5.32 ppg) : 0.276 psi/ft  
 Shut in surface pressure : 1517 psi  
 Internal gradient (burst) : 0.043 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		
	<b>Load (psi)</b>	<b>Collapse Strgth (psi)</b>	<b>S.F.</b>	<b>Burst Load (psi)</b>	<b>Min Int Strgth (psi)</b>	<b>Yield S.F.</b>	<b>Tension Load (kips)</b>	<b>Strgth (kips)</b>	<b>S.F.</b>
1	1796	4040	2.249	1796	4810	2.68	100.75	217	2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 04-08-1996  
 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 0.276 psi/ft and 1,796 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)

I KNOW PRODUCTION Co  
BOUNDARY FED #15-21  
SEC 21; TBS; RITE  
POW

U-50376  
43-013-31622

EAST ↑

Dirt Pile

WELL HEAD

Pump  
Jack

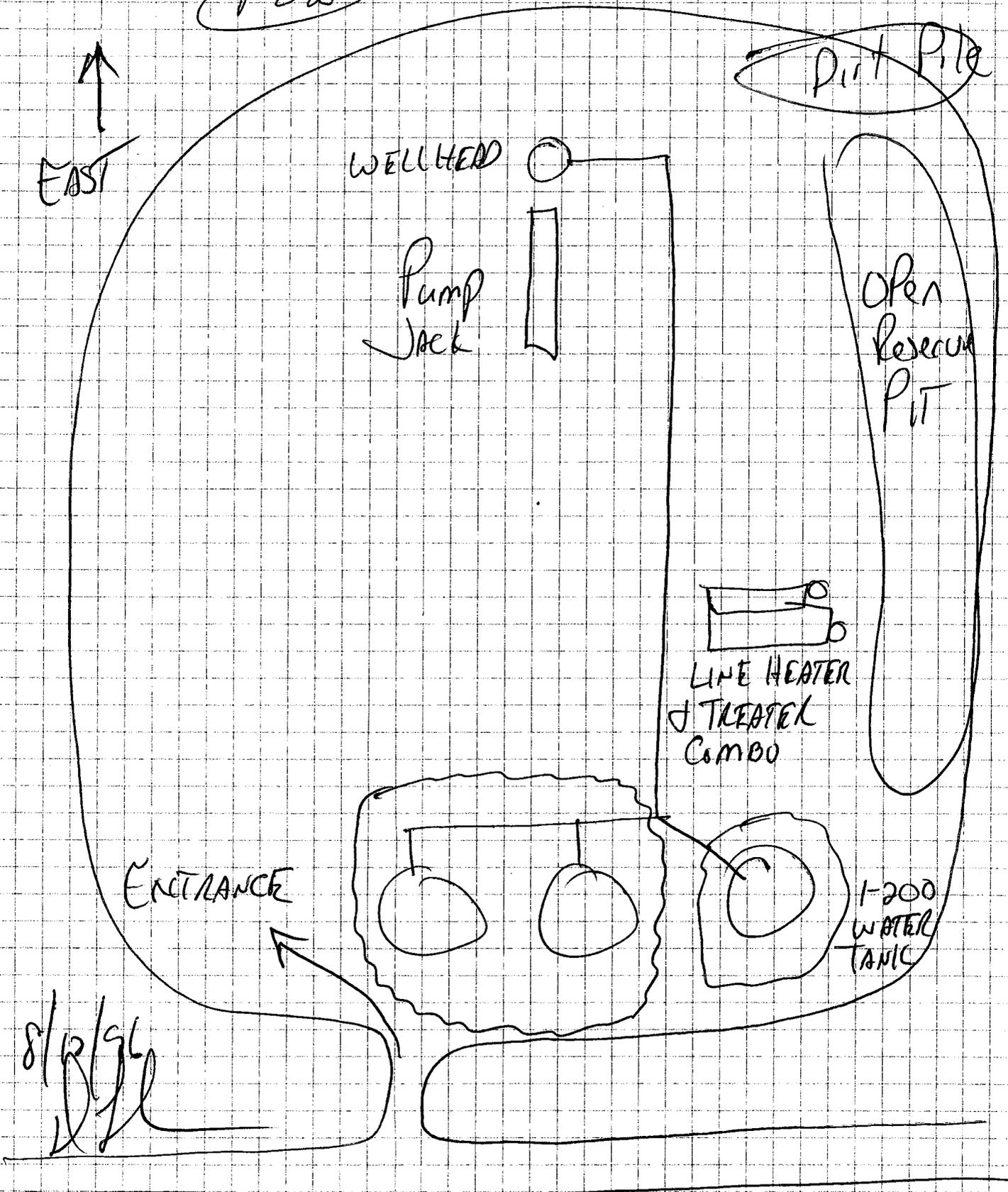
Open  
Reserve  
PIT

LINE HEATER  
& TREATER  
COMBO

ENTRANCE

1-200  
WATER  
TANK

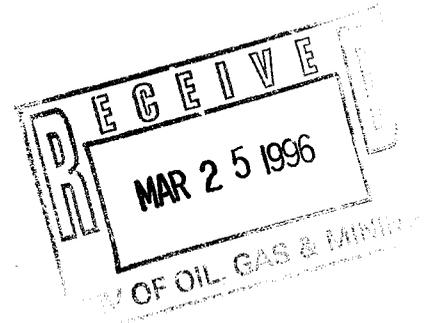
8/12/96  
D.J.



A CULTURAL RESOURCES SURVEY OF  
42-012-71622  
BOUNDARY FEDERAL WELLS #15-21 AND #16-21  
AND ACCESS ROADS, DUCHESNE COUNTY, UTAH

by

Heather M. Weymouth  
Senior 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-0078b

Archaeological Report No. 847-01

March 11, 1996

## INTRODUCTION

In February 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 Boundary Federal wells #15-21 (658' FSL 1980' FEL) and #16-21 (660' FSL 664' FEL) 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. 21 on USGS 7.5' Quadrangle Myton SE, Utah (1964). The project was carried out by Heather M. Weymouth and Lynita S. Langley on February 22, 1996 under authority of Cultural Resources Use Permit No. 95UT54630 and Utah State Antiquities Permit No. U-96-SJ-0078b.

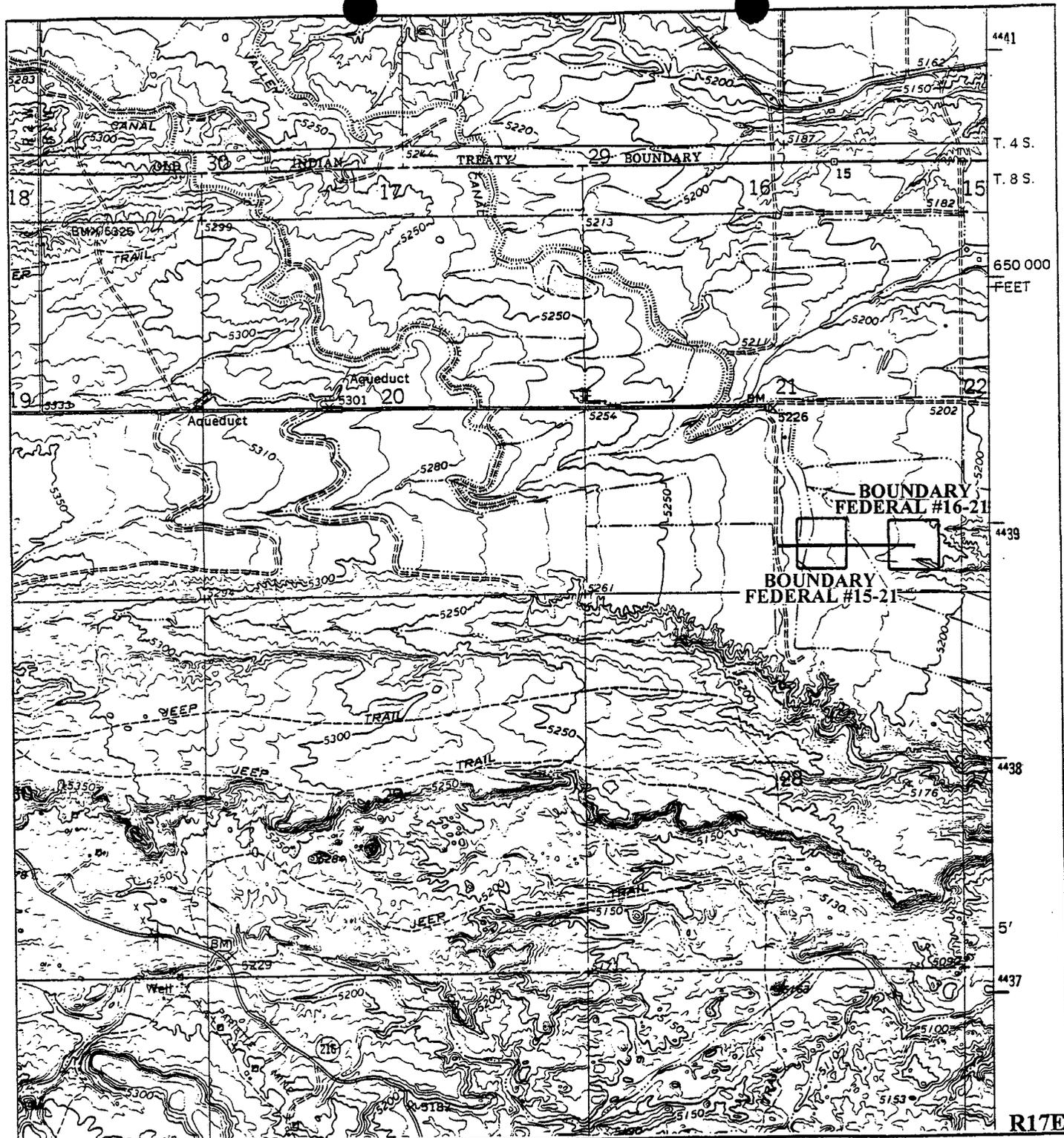
A file search for previously recorded cultural resource sites and paleontological localities located near the current project area was conducted by Heather M. Weymouth and Lynita S. Langley on February 23, 1996 at the BLM, Vernal District Office to determine if any cultural resource projects had been 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 20 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, one cultural resources site is listed as being located near the current project area. Following is a brief description of this site:

### Cultural Resource Sites

**Site 42Dc374.** This site, located in lower Pleasant Valley, consists of segment "H" of the historic Lower Pleasant Valley Canal System. Recommendations for National Register of Historic Places (NRHP) eligibility for this segment of the Lower Pleasant Valley Canal System are unknown.

No paleontological localities are listed as being in the vicinity of the current project area. 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.



SCALE 1:24 000

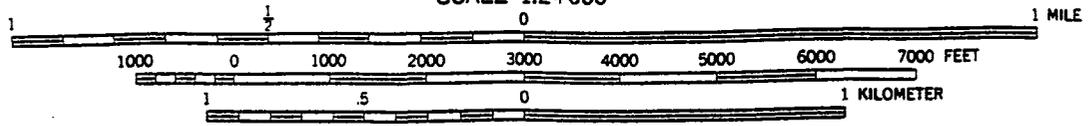


Figure 1. Location of Inland Resources Corporation's Boundary Federal Wells #15-21, #16-21 and access roads. Taken from USGS 7.5' Quadrangle Myton SE, Utah (1964).

## ENVIRONMENT

The project area lies on the lower benches of southern Pleasant Valley approximately 7.5 miles south of Myton. The elevation of the project area ranges from approximately 5200 to 5220 feet a.s.l. Sediments consist of tan to light brown silty loam. Natural vegetation in the survey area consists of shadscale community species. However, the natural vegetation has been cleared and the area plowed and cultivated. There are no permanent natural water sources in the immediate project area. However, the Pleasant Valley Canal System supplied water to the region during the historic period. 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 prior to the development of the canal system. There is no notable natural disturbance in the area. Cultural disturbance includes plowing and cultivation of the landscape, grazing, existing well pad locations and access roads.

## METHODOLOGY

The project area consists of two 40,469 m<sup>2</sup> (10 acre) parcels of land 201-by-201 m (660-by-660 ft) centered on the proposed well heads and access roads connecting the well locations to existing roadways. The well pads were inventoried by Heather M. Weymouth and Lynita S. Langley walking parallel transects spaced no more than 15 m (50 ft) apart. The access roads, which totaled 609.75 m (2000 ft) in length, were each walked in two parallel transects spaced 10 m (32 ft) apart to cover a corridor width of 100 ft (30 m). The area surveyed during this project (including well pads and access roads) totaled 103,559 m<sup>2</sup> (24.59 acres)

## RESULTS

No cultural resources sites nor paleontological localities were found as a result of this inventory. Both well locations were situated in leveled, plowed agricultural fields. There was no evidence of cultural nor paleontological material in the plowed soils.

## RECOMMENDATIONS

Since there were no cultural resources nor paleontological resources found, cultural and 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.

**BOUNDARY FEDERAL #15-21  
SW/SE SEC. 21, T8S, R17E  
DUCHESNE COUNTY, UTAH  
U-50376**

**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.

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

February 16, 1996

TO WHOM IT MAY CONCERN:

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

Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the ~~Boundry Federal 15-21~~ and 16-21.

Sincerely,

  
Karen Ashby,  
Secretary

**INLAND PRODUCTION COMPANY  
BOUNDARY FEDERAL #15-21  
SW/SE SECTION 21, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

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

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

Green River Formation 3030' - 6400' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", J-55, 17# 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. Pressure 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 @ 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.

**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'. Rotary diamond sidewall cores may be taken in prospective reservoirs. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top.

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 H<sub>2</sub>S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

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

**INLAND PRODUCTION COMPANY  
BOUNDARY FEDERAL #15-21  
SW/SE SECTION 21, 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 Boundary Federal #15-21 located in the SW 1/4 SE 1/4 Section 21, T8S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53 : proceed southerly along Utah State Highway 53 - 6.8 miles to its junction with an existing dirt road to the east; proceed easterly along this road 2.5 miles to the junction with an existing dirt road to the south; proceed southerly .4 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 53 meets the existing dirt road, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

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

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

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SW 1/4 SE 1/4 Section 21, T8S, R17E, S.L.B. & M. and proceeds east approximately 600' to the proposed location site.

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

BOUNDARY FEDERAL #15-21

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

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

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

3. LOCATION OF EXISTING WELLS

There are four (4) producing , one (1) shut in and one (1) injection, Inland Production wells, and one (1) producing Balcron well within a one-mile radius of this location site. See Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

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

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

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

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

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

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 rig tanks. Furthermore, 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.

A portable toilet will be provided for human waste.

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

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood 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.

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 between stakes 4 & 5.

No flare pit will be used on this location

The stockpiled topsoil (first six (6) inches) will be stored on the north side between stakes 1 & 8.

Access to the well pad will be from the northwest corner, near stake #8.

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.

**BOUNDARY FEDERAL #15-21**

- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

**10. PLANS FOR RESTORATION OF SURFACE**

a) *Producing Location*

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

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

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

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

*Additional Surface Stipulations*

A silt catchment dam will not be constructed.

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 #15-21 SW/SE Section 21, Township 8S, Range 17E: Lease #UTU- 50376; 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.

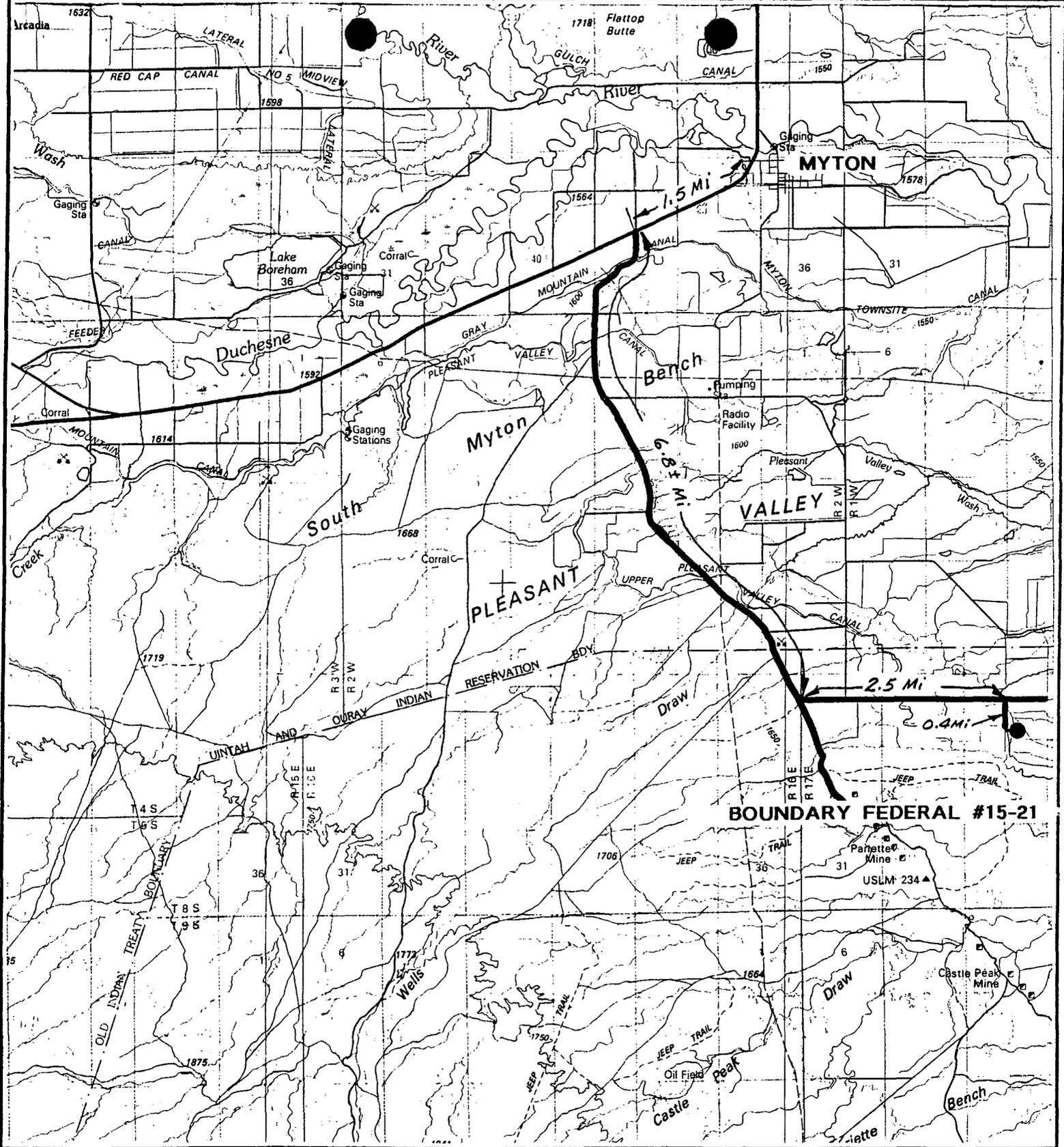
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with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

3-7-96

Date



Brad Mecham  
Operations Manager



TOPOGRAPHIC  
MAP "A"

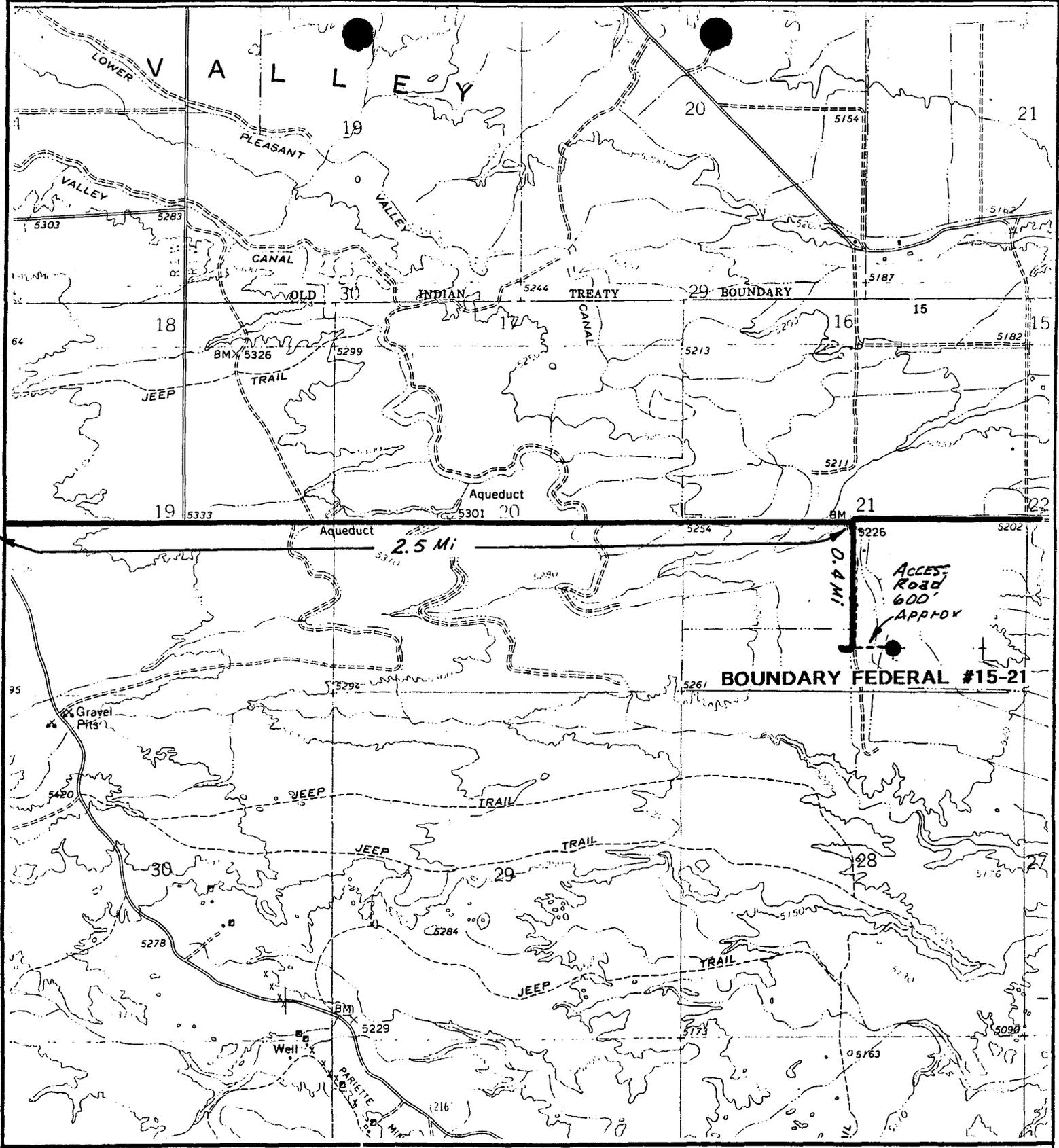


**INLAND PRODUCTION COMPANY**

**BOUNDARY FEDERAL #15-21  
SECTION 21, T8S, R17E, S.L.B.&M.**

16 Feb '96

84-121-047



TOPOGRAPHIC  
 MAP "B"  
 SCALE: 1" = 2000'



**INLAND PRODUCTION COMPANY**

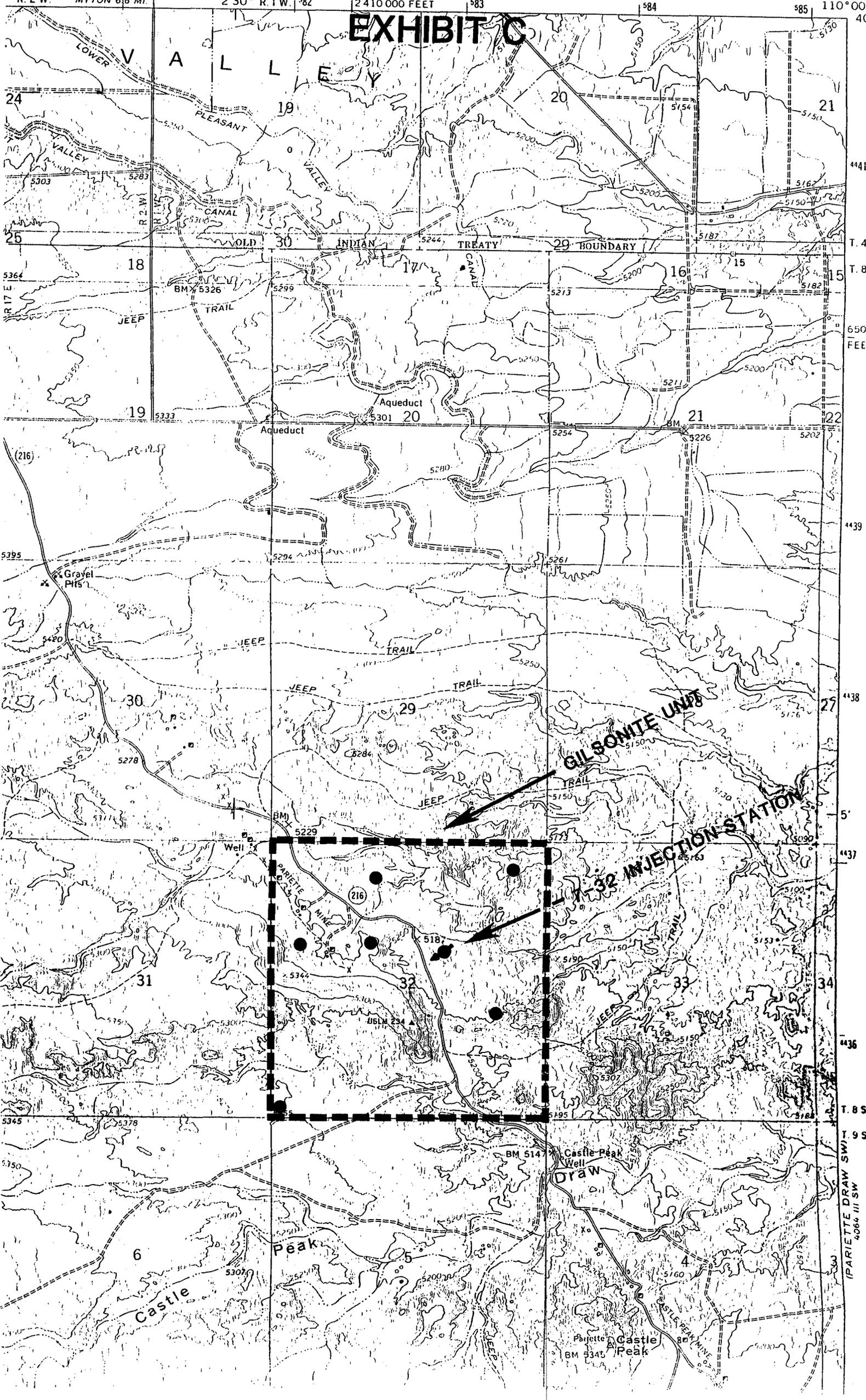
**BOUNDARY FEDERAL #15-21  
 SECTION 21, T8S, R17E, S.L.B.&M.**

16 Feb '96

84-121-047

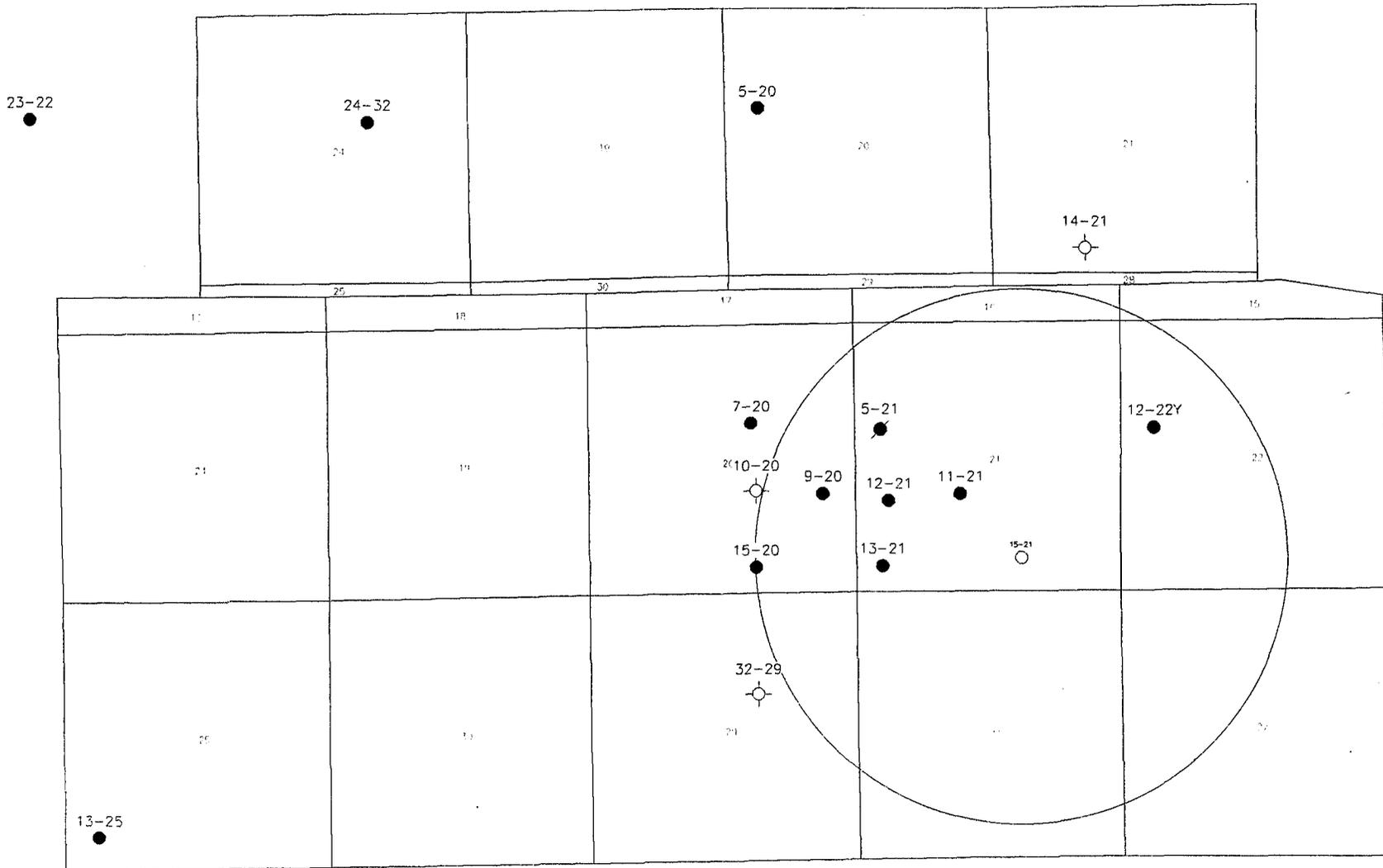
R. 2 W. MYTON 616 MI. 2'30" R. 1 W. 182 2 410 000 FEET 583 584 585 110° 00' 40

# EXHIBIT C



4441  
T. 4  
T. 8  
650  
FEE  
4439  
4438  
5'  
4437  
4436  
T. 8 S  
T. 9 S  
(PARIETTE DRAW SW) 4964 III SW

EXHIBIT "D"



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

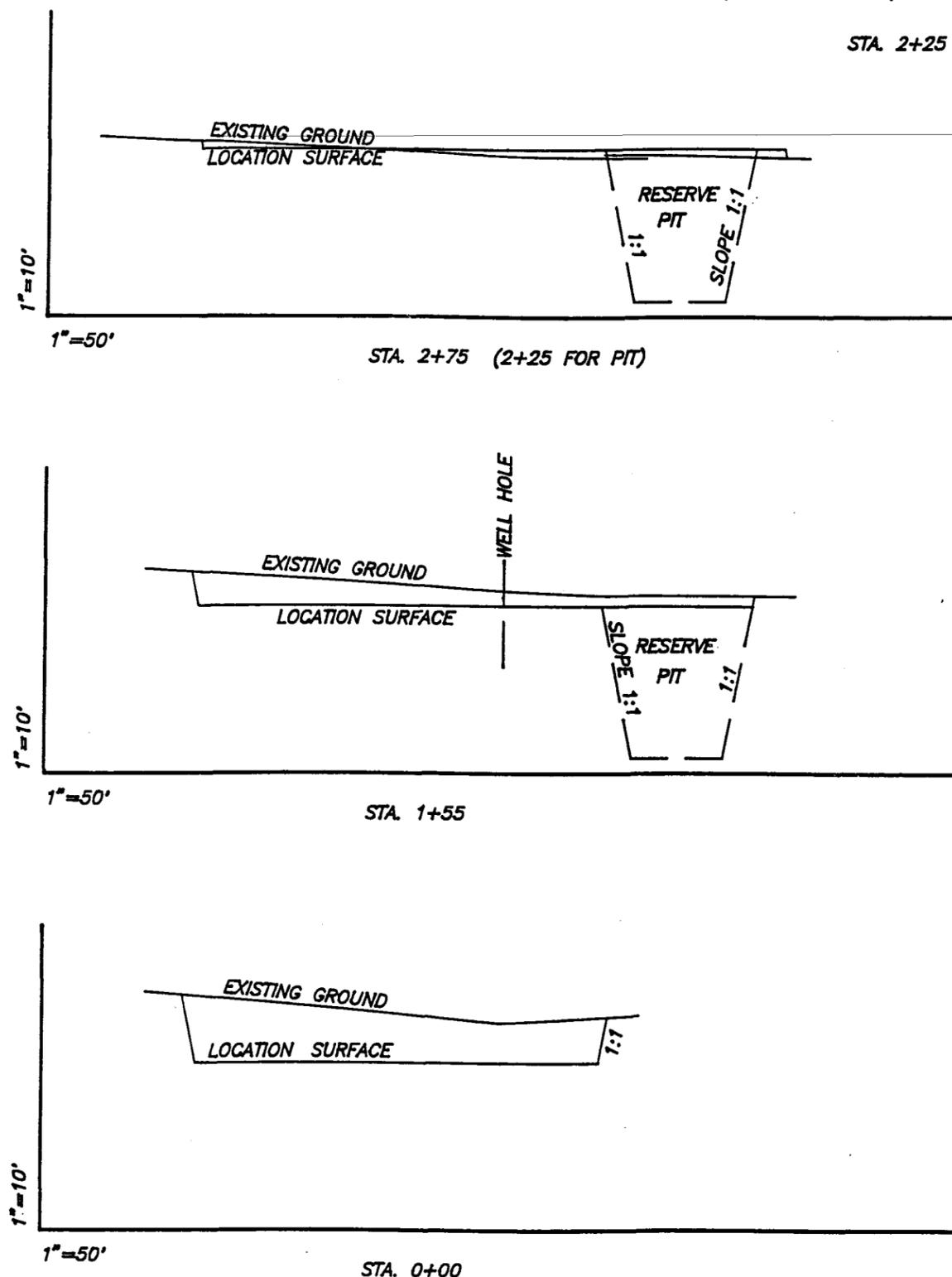
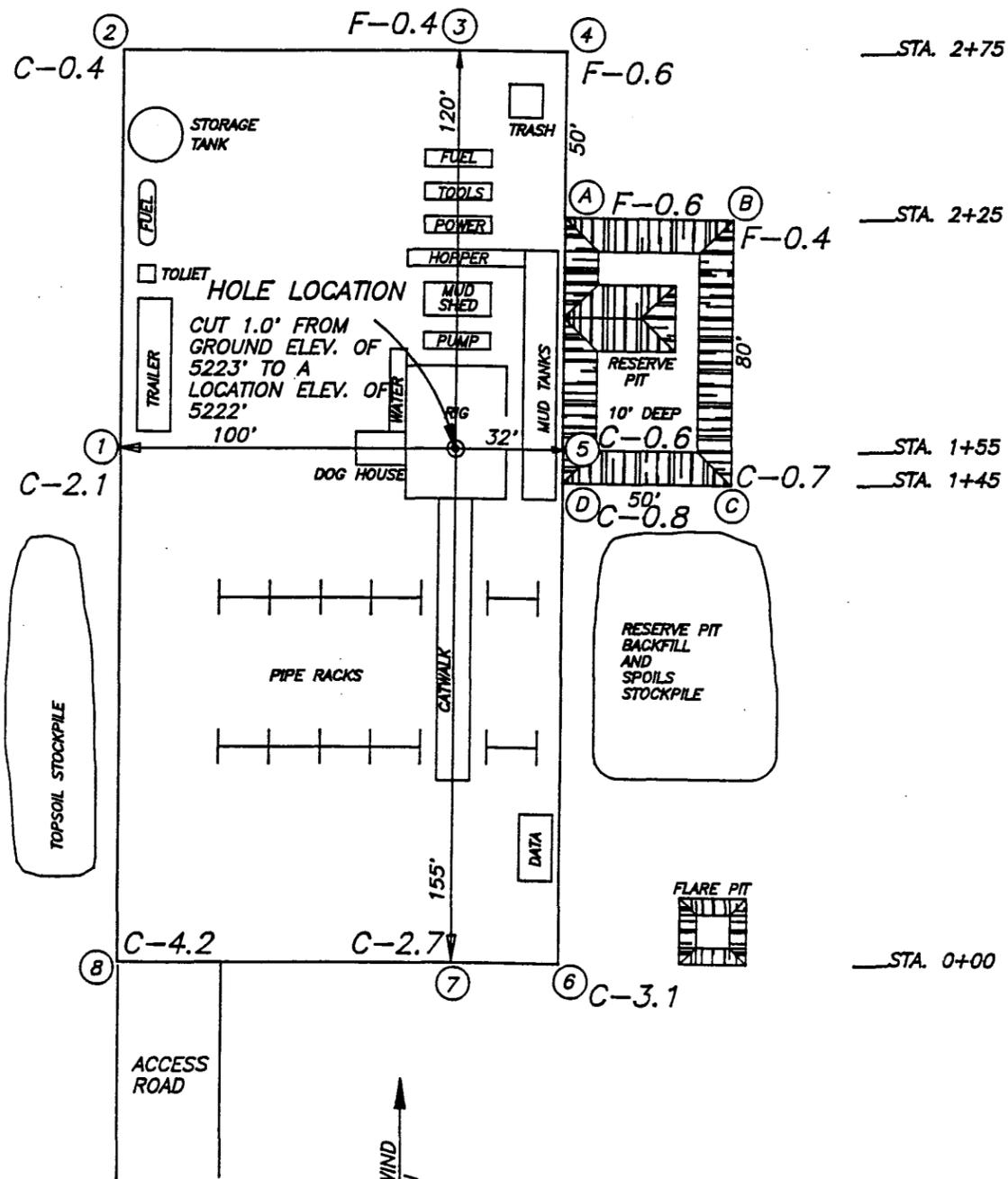
**Boundary Federal #15-21**  
One Mile Radius  
DuChesne County, Utah

Date: 2-13-96 D.G.

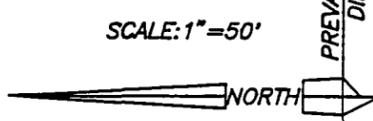


# INLAND PRODUCTION CO. WELL LAYOUT PLAT BOUNDARY FEDERAL #15-21

LOCATED IN THE SW1/4 OF THE SE1/4 OF SECTION 21,  
TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.B.&M.



APPROXIMATE QUANTITIES  
CUT: 3300 CU. YDS. (INCLUDES PIT)  
FILL: 200 CU. YDS.



	<p><b>JERRY D. ALLRED AND ASSOCIATES</b> Surveying and Engineering Consultants</p> <p>121 NORTH CENTER STREET P.O. BOX 975 DUCHESTER, UTAH 84021 (801) 738-5352</p>
--	---

# 2-M SYSTEM

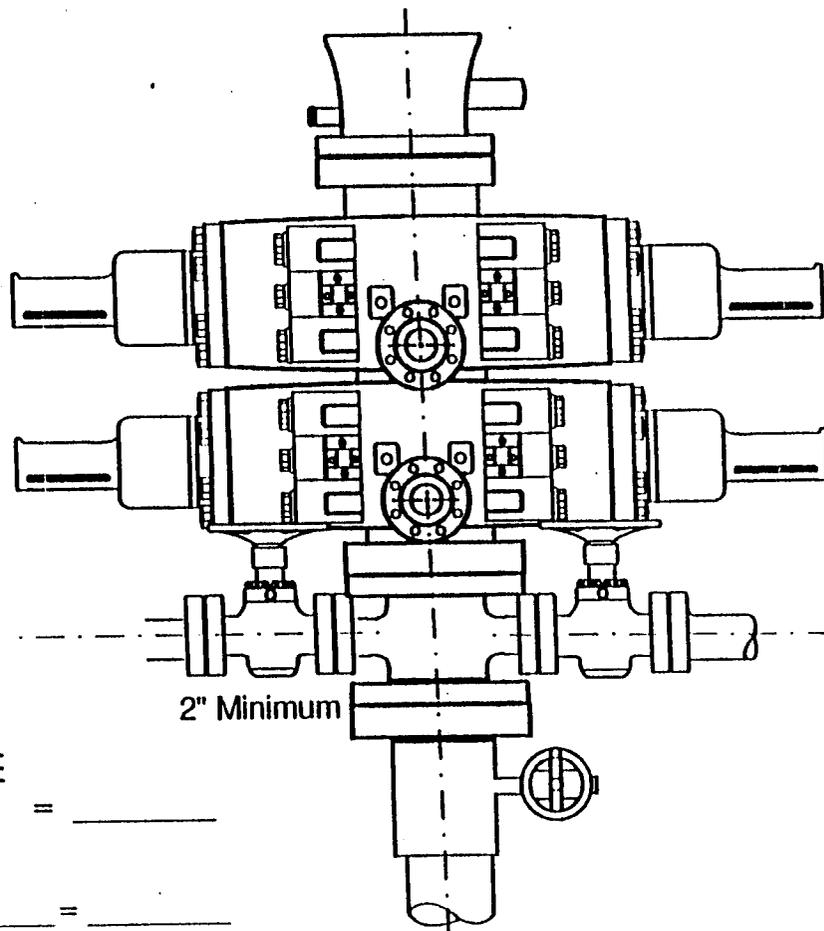
## EXHIBIT F

RAM TYPE B.O.P.

Make:

Size:

Model:



GAL TO CLOSE

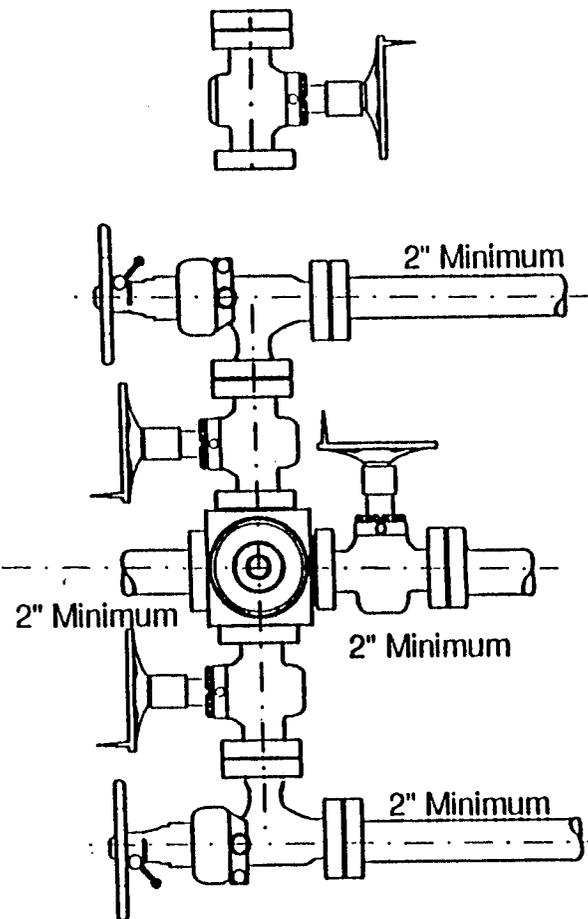
Annular BOP = \_\_\_\_\_

Ramtype BOP

\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher  
increment of 10 gal. would require

\_\_\_\_\_ Gal. (total fluid & nitro volume)



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

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

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

April 8, 1996

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

Re: Boundary Federal #15-21 Well, 658' FSL, 1980' FEL, SW SE,  
Sec. 21, 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 43-013-31622.

Sincerely,

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

R. J. Firth  
Associate Director

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



Operator: Inland Production Company  
Well Name & Number: Boundary Federal #15-21  
API Number: 43-013-31622  
Lease: U-50376  
Location: SW SE Sec. 21 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**U-50376**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Boundary Unit**

8. FARM OR LEASE NAME  
**Boundary Federal**

9. WELL NO.  
**#15-21**

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 21, T8S, R17E**

12. COUNTY OR PARISH | 13. STATE  
**Duchesne | Utah**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
**DRILL  DEEPEN  PLUG BACK**

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

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface  
**SW/SE 658' FSL & 1980' FEL**  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**11.2 miles southeast of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
**658'**

16. NO. OF ACRES IN LEASE  
**1280.93**

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.  
**1320'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5223' GR**

22. APPROX. DATE WORK WILL START\*  
**2nd Quarter 1996**

RECEIVED  
MAR 13 1996

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  
APR 15 1996  
DIV. OF OIL, GAS & MINING

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

24. SIGNED Brad Mechem *Brad Mechem* TITLE Operations Manager DATE 2/29/96

(This space for Federal or State office use)

PERMIT NO. 43-013-31622 APPROVAL DATE APR 11 1996  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE APR 11 1996  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

\*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.

DIV OGYM

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Boundary Fed. 15-21

API Number: 43-013-31622

Lease Number: U-50376

Location: SWSE Sec. 21 T. 8S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

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

#### 2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany Oil Shale, identified at  $\pm 2659$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2459$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

Wayne Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, 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 PLAN OF OPERATION**  
Conditions of Approval (COAs)

**CONDITION OF APPROVAL - SURFACE DISTURBING ACTIVITIES**

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).

**CONDITION OF APPROVAL - VEHICLE TRAVEL**

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

**CONDITION OF APPROVAL - TOPSOIL HANDLING**

Where the well is located on private lands in an alfalfa field, the topsoil should be windrowed along the edge of the location between corners 2 and 8. Once the location is drilled, the topsoil should then be moved on to the location allowing the area to be farmed.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION

Well Name: BOUNDRY FEDERAL 15-21

Api No. 43-013-31622

Section 21 Township 8S Range 17E County DUCHESNE

Drilling Contractor \_\_\_\_\_

Rig #: \_\_\_\_\_

SPUDDED:

Date: 5/16/96

Time: \_\_\_\_\_

How: DRY HOLE

Drilling will commence: \_\_\_\_\_

Reported by: D. INGRAM-DOGM

Telephone #: \_\_\_\_\_

Date: 5/17/96 Signed: JLT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-50376**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Boundary Fed. #15-21**

9. API Well No.

**43-013-31622**

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**Duchesne County, Utah**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

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

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

**SW/SE 658' FSL & 1980' FEL  
Sec. 21, T8S, R17E**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is 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 288.12' of 8 5/8" 24# J-55 ST&C csg. Cement w/ 120 sx prem + w/ 2% CC, 2% gel & 1/4#/sk flocele.**

**SPUD 5/16/96**

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

Signed *Cheryl Cameron*

Title **Regulatory Compliance Specialist** Date **5/20/96**

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

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**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Co  
ADDRESS P.O. Box 1446  
Roosevelt, UT 84066

OPERATOR ACCT. NO. 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	11922	43-013-31605	Monument Butte Federal 3-25	NW1/4	25	8S	16E	Duchesne	3/19/96	3/19/96
WELL 1 COMMENTS:											
B	99999	10835	43-013-31573	Monument Butte State 4-36	NW1/4	36	8S	16E	Duchesne	3/22/96	3/22/96
WELL 2 COMMENTS:											
A	99999	11923	43-013-31623	Tar Sands Federal 3-28	NW1/4	28	8S	17E	Duchesne	5/10/96	5/10/96
WELL 3 COMMENTS:											
B	99999	11924	43-013-31622	Boundary Federal 15-21	SW1/4	21	8S	17E	Duchesne	5/16/96	5/16/96
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)

Cheryl Cameron  
Signature

RCP  
Title

5/20/96  
Date

Phone No. (801) 722-5103

May 20 2006 15:53 No.006 P.02

TEL: 801-722-5103

INLAND PRODUCTION CO.



May 20, 1996

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center Suite 350  
Salt Lake City Utah 84180-1203

**ATTENTION: Lisha Cordova**

**RE: Monument Butte Federal #3-25  
Tar Sands Federal #3-28**

**Monument Butte State #4-36  
Boundary Federal #15-21**

**Dear Lisha,**

**I am faxing Entry Action Form - 6, for the new Entry No., on the above referenced locations.**

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

*Sincerely,*

*Cheryl Cameron*  
**Cheryl Cameron  
Regulatory Compliance Specialist**

**/cc  
Enclosures**

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**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

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

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

**SW/SE 658'FSL & 1980' FEL  
Sec. 21, T8S, R17E**

5. Lease Designation and Serial No.  
**U-50376**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Boundary Federal #15-21**

9. API Well No.

**43-013-31622**

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

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

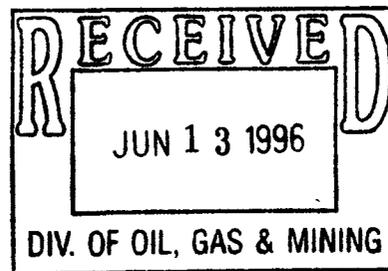
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is 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 6/4/96 - 6/11/96:**

Drilled 7 7/8" hole from 303' - 6362' w/ Kenting Apollo, Rig #56.  
Set 6356.07' of 5 1/2" 15.5# J-55 csg. Cmt w/ 340 sx Hifill & 245 sx Thixo w/ 10% Calseal.



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

Signed Cheryl Cameron

Title Regulatory Compliance Specialist Date 6/11/96

(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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-50376**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**SUBMIT IN TRIPLICATE**

8. Well Name and No.

**Boundary Federal #15-21**

9. API Well No.

**43-013-31622**

10. Field and Pool, or Expiratory Area

11. County or Parish, State

**Duchesne County, Utah**

1. Type of Well

Oil Well    Gas Well    Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

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

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

**SW/SE 658' FSL & 1980' FEL  
Sec 21, 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
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other **Weekly Status**

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

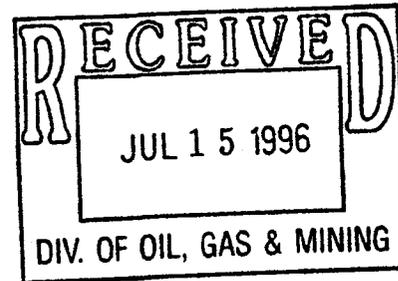
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR WEEK OF 6/26/96 - 7/9/96:**

**Perf CP sd @ 6084'-6100' & 6142'-6145'**

**Perf GB sd @ 4752'-4760' & 4798'-4804'**



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

Signed **Cheryl Cameron** Title **Regulatory Compliance Specialist** Date **7/11/96**

(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.

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**

RECEIVED  
JUL 18 1996  
DIV. OF OIL, GAS & MINING

5. Lease Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Boundary Federal #15-21

9. API Well No.

13-013-31622

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

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

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

658' FSL & 1980' FEL  
SW/SE Sec. 21, T8S, R17E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

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

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

WEEKLY STATUS REPORT FOR WEEK OF 7/10/96 - 7/13/96:

RIH w/ production string

ON PRODUCTION 7/13/96

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

Signed

Cheryl Cameron

Title Regulatory Compliance Specialist

Date 7/17/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side



July 17, 1996

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

**ATTENTION: Ed Forsman**

Re: *Boundary Federal #15-21*  
*SW/SE Sec. 21, T8S, R17E*  
*Duchesne County, Utah*

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

*Monument Butte Federal NE #4-25*  
*NW/NW Sec. 25, T8S, R16E*  
*Duchesne County, Utah*

*Tar Sands Federal #4-28*  
*NW/NW Sec. 28, T8S, R17E*  
*Duchesne County, Utah*

Dear Ed,

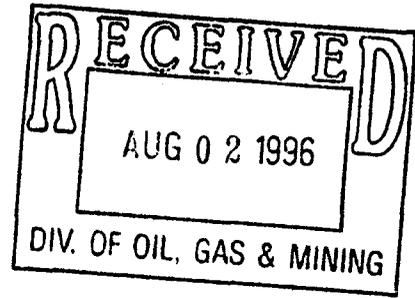
Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notification on the MBFNE #4-25, weekly status reports on the other above referenced locations. Copies will also be submitted to the State of Utah.

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**

**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**BOUNDARY FEDERAL #15-21**

**LEASE NO. U-50376**

**JULY 30, 1996**



**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 Boundary Federal #15-21 from a producing well to a water injection well in the Boundary field; and to approve the installation of an injection line from the Boundary Federal #11-21 to the Boundary Federal #15-21 with a 3" coated steel line approximately 1980', and buried 5' deep, in order to transfer water to the Boundary Federal #15-21 from our existing water line at the Boundary Federal #11-21. 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 the GB sands with a gamma ray derived top as follows: In the #15-21 "CP" sand @ 6084'; "GB" sand @ 4752'. The injection zones are a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confirming impermeable stratum directly above and below 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 Boundary Federal #15-21 is currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

- 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: 200-400 BPD

- 2.8. *A list of all operators or owners and surface owners within a one-half 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-half 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 Bureau of Land Management.

- 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 Boundary 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-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half 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 will be filed upon completion of the well.

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 Bureau of Land Management, and 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 are on file with the Bureau of Land Management, and 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 proposed casing program is New 8-5/8" 24# J-55 surface casing run to 300', 5 1/2" casing from surface to TD. A casing integrity test will be performed before injection starts. Reference Exhibits "E-1" through "E-9".

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 our pre approved Boundary supply line. Reference Exhibit "B".  
Estimated Injection Rate: 200-400 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:* Reference Exhibit "F". (Samples taken from the Boundary Federal #15-21, Johnson water, and the compatibility of both fluids).

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

**Answer:** Average Injection Pressure will be determined upon conversion by a Step Rate Test. Maximum injection pressure will be 2000#.

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 gradients for the Boundary Federal #15-21 is 0.68 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.

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

**Answer:** The injection zone is from 4300' - 6000', found with the Green River Formation. The reservoirs are a very fine grain sandstone with minor interbedded shale streaks. The top of the "GB" estimated at approximately 4752'. The estimated average porosity is 14%; the estimated fracture pressure is 2300# psi.

The porous and permeable lenticular sandstones vary in thickness from 0' to 40' and are confined to the Boundary Field by low porosity calcareous shale and carbonates.

The confining stratum directly above and below the injection zone is the Douglas Creek member of the Green River Formation. The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shale. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it. Maps and cross sections to the Boundary Unit are on file with the Division of Oil, Gas & Mining and also with the U. S. Bureau of Land Management.

2.11. *A review of the mechanical condition of each well within a one-half 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-9".

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-half 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**

**Boundary Federal #15-21  
Sec. 21, T8S, R17E  
Duchesne County, Utah**

**PLUGGING & ABANDONMENT PLAN**

The plugging and abandonment plan consists of the following plugs:

- PLUG #1: Set 200' plug from 3650' - 3850' w/ 30 sx cmt**
- PLUG #2: Set 200' plug from 2400' - 2200' w/ 30 sx cmt**
- PLUG #3: Set 100' plug from 353' - 253' w/ 15 sx cmt**
- PLUG #4: Set 10 sx cmt plug from 50' - Surface**
- PLUG #5: Pump 75 sx cmt down 5 1/2" by 8 5/8" Annulus**

# Boundary Federal #15-21

Initial Production: ? BOPD, ?  
MCFPD, ? BWPD

Spud Date: 6/4/96  
Plugged: --/--  
GL: 5223' KB: 5236'

## Plugging Diagram

### SURFACE CASING

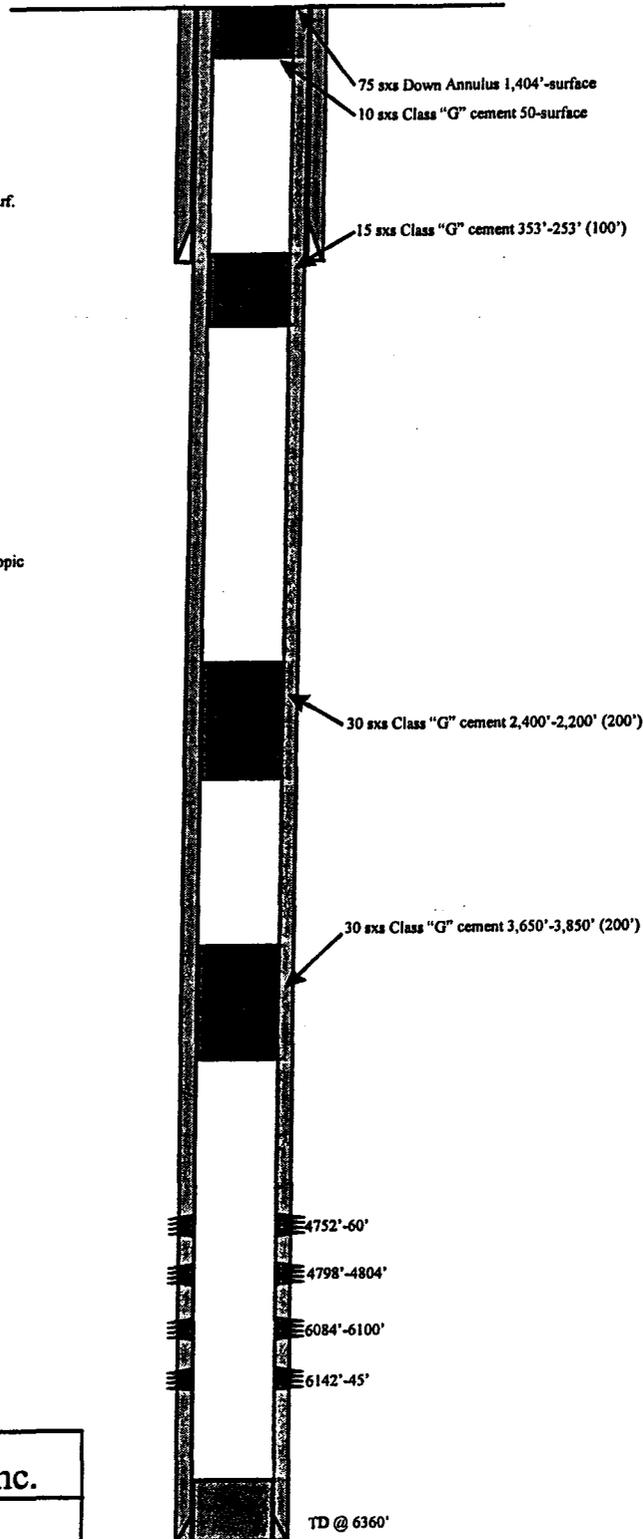
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (289.27')  
DEPTH LANDED: 288.12' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 152 jts. (6369.07')  
DEPTH LANDED: 6356.07' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 340 sk Hyfill mixed & 445 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

### TUBING

### SUCKER RODS



**Inland Resources Inc.**

**Boundary Federal #15-21**

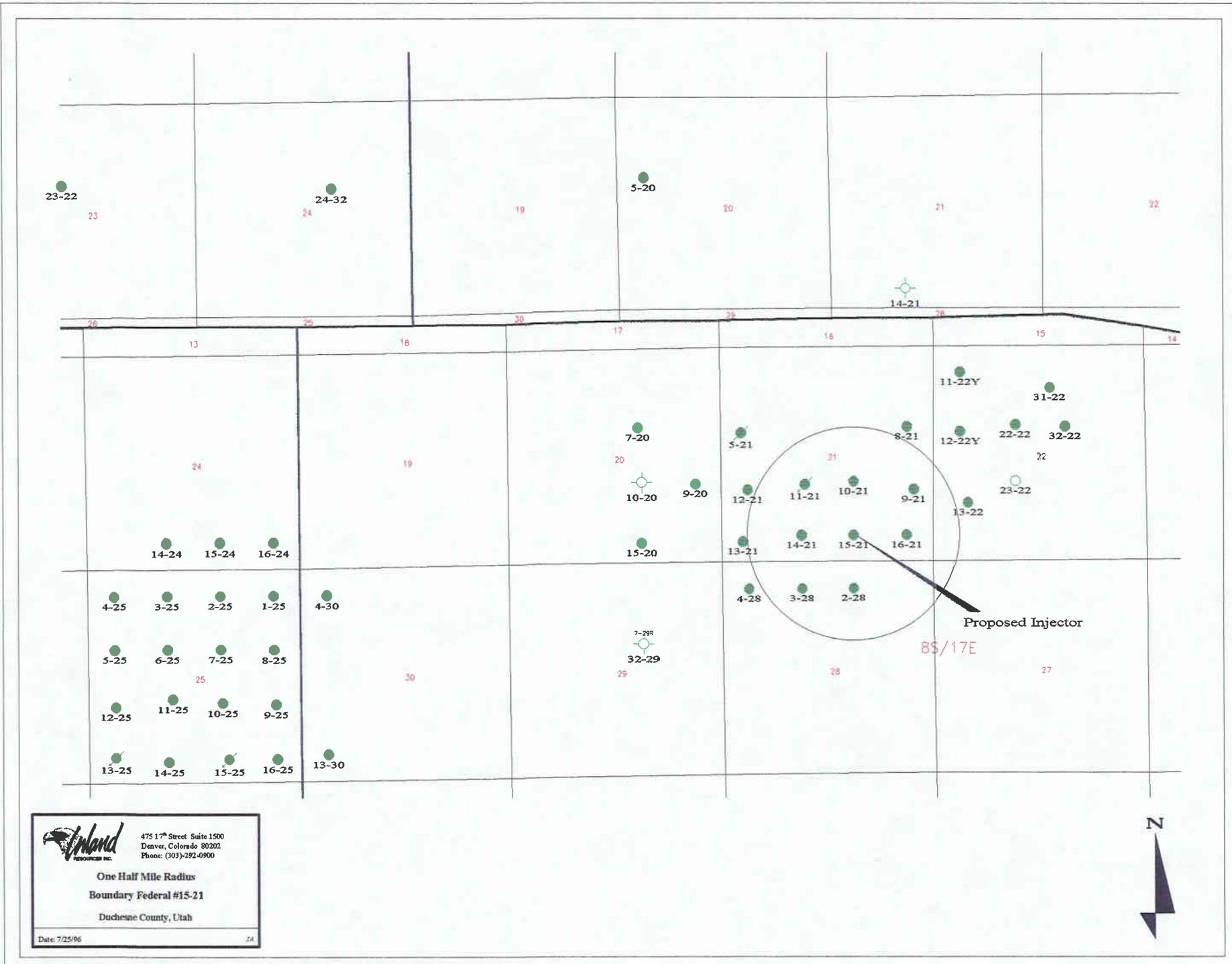
658 FSL 1980 FEL

SWSE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31622; Lease #U-50376

EXHIBIT "A"



**Wland**  
RESOURCES INC.

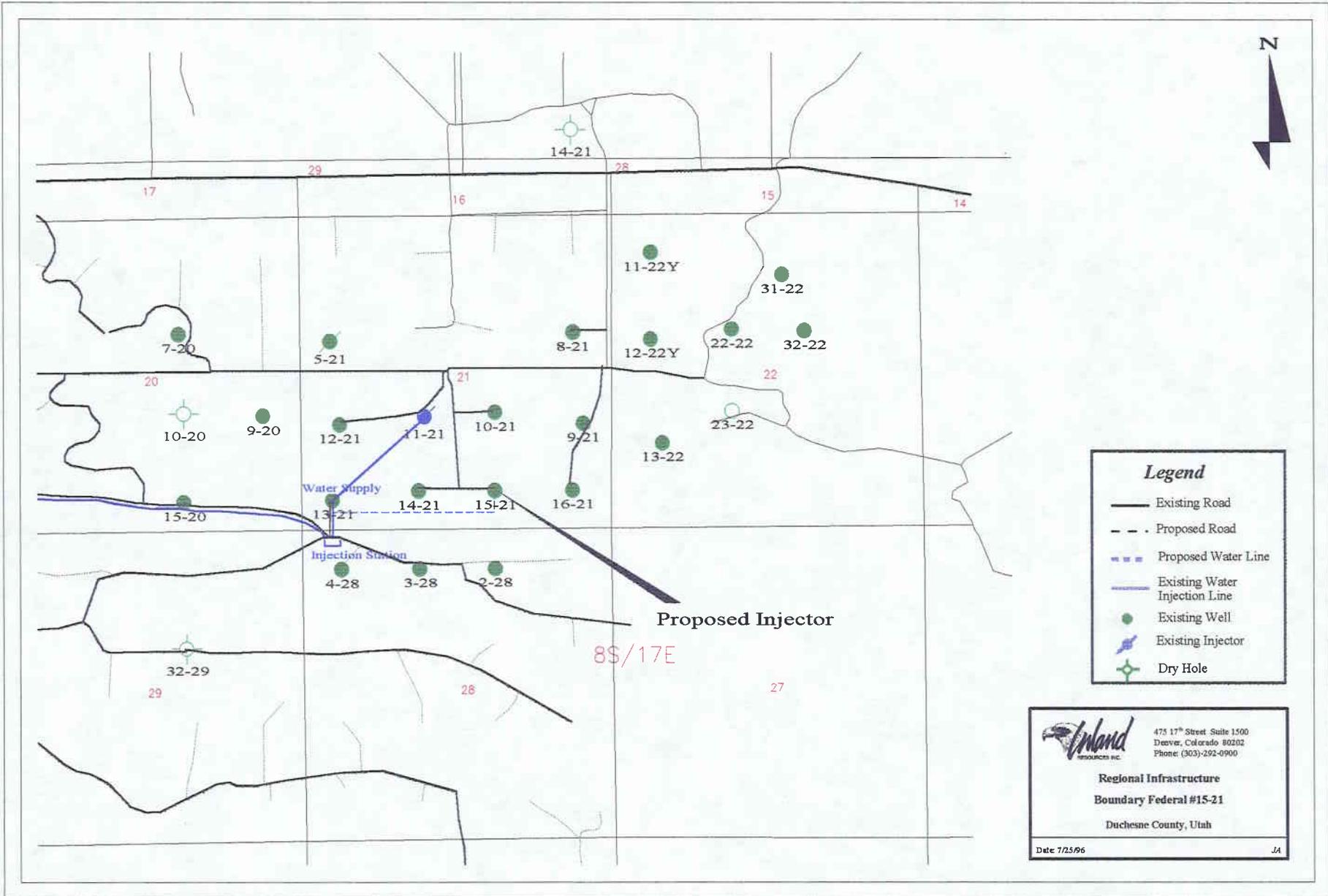
475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303)-292-0900

One Half Mile Radius  
Boundary Federal #15-21  
Duchesne County, Utah

Date: 7/25/96 24



EXHIBIT "B"



**Legend**

- Existing Road
- - - Proposed Road
- Proposed Water Line
- Existing Water Injection Line
- Existing Well
- Existing Injector
- ⊕ Dry Hole

**Inland**  
PROJECTS INC.

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

**Regional Infrastructure**  
**Boundary Federal #15-21**  
 Duchesne County, Utah

Date: 7/25/96 JA

**EXHIBIT "C"**

**SURFACE OWNERS, OWNERS AND OPERATORS WITHIN A ONE-HALF MILE RADIUS OF THE  
BOUNDARY FEDERAL #15-21**

Arvil A. Harris & Mary S. Harris  
2533 East 6200 South  
Salt Lake City, Utah 84121

L. Clark & Barbara Roberts  
Myton, Utah 84092

Ken Prothero  
10711 S. Whirlway  
Sandy, Utah 84092

Mt. Olympus Realty Co.  
P.O. Box 1067  
Sandy, Utah 84091

Brad & Joann Nelson  
P.O. Box 638  
Roosevelt, Utah 84066

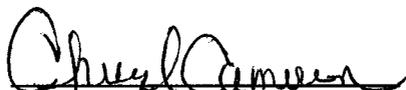
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

State of Utah  
Division of Oil, Gas & Mining  
15494 West North Temple, Suite 1210  
P.O. Box 145801  
Salt lake City, Utah 84114-5801

EXHIBIT "D"

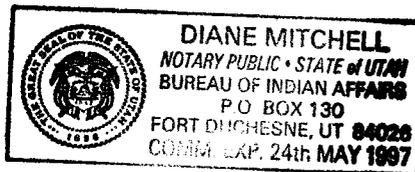
RE: Application for Approval of Class II Injection Well  
Boundary Federal #15-21.

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

  
INLAND PRODUCTION COMPANY  
Cheryl Cameron  
Regulatory Compliance Specialist

Sworn to and subscribed before me this 1<sup>st</sup> day of August ~~July~~ 1996.  
*dm*

  
Notary Public in and for the State of Utah



**EXHIBIT "E-1"**  
**Boundary Federal #15-21**

Spud Date: 6/4/96  
Put on Production: 7/14/96  
GL: 5223' KB: 5236'

Initial Production: ? BOPD, ?  
MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (289.27')  
DEPTH LANDED: 288.12' 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: 152 jts. (6369.07')  
DEPTH LANDED: 6356.07' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 340 sk Hyfill mixed & 445 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 193 jts  
TUBING ANCHOR: 6076'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 6206')  
SN LANDED AT: 6110'

**SUCKER RODS**

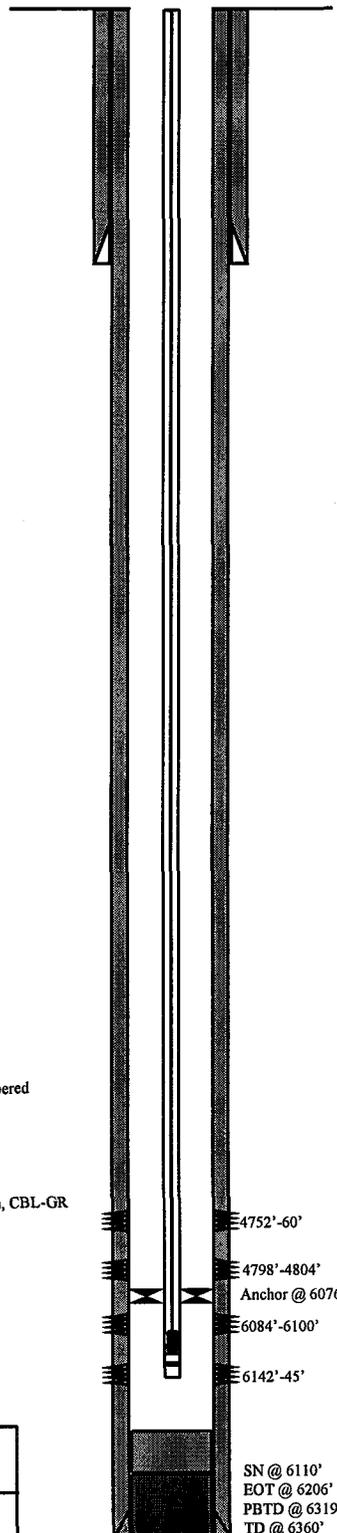
POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4-3/4" scraped, 140-3/4" slick rods, 95-3/4" scraped  
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16 RHAC  
STROKE LENGTH: 100"  
PUMP SPEED, SPM: 6 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

7/8/96	6084'-6145'	Frac CP-1 and CP-2 sand as follows: 65,400# 20/40 sd in 418 bbls Boragel. Brokedown @ 2124 psi. Treated @ avg rate 20 bpm, avg press 1600 psi. ISIP- 2035, 5-min 1923. Flowback after 5 min on 16/64" choke for 1-1/2 hrs & died.
7/10/96	4752'-4804'	Frac GB-6 & PB-7 sands as follows: 82,100# of 20/40 sand w/ 4930 bbls of Boragel. Breakdown @ 2930 psi. Treated @ avg rate 18.3 bpm w/ avg press of 1600 psi. ISIP: 2194 psi, 5-min 2151 psi. Flowback after 5 min on 16/64" ck for 30 min & died.

**PERFORATION RECORD**

7/1/96	6084'-6100'	4 JSPF	60 holes
7/1/96	6142'-6145'	4 JSPF	12 holes
7/9/96	4752'-4760'	4 JSPF	32 holes
7/9/96	4798'-4804'	4 JSPF	24 holes





**Inland Resources Inc.**

**Boundary Federal #15-21**

658 FSL 1980 FEL

SWSE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31622; Lease #U-50376

EXHIBIT "E-1a"

Boundary Federal #15-21

Spud Date: 6/4/96  
 Put on Injection: --/--/--  
 GL: 5223' KB: 5236'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (289.27')  
 DEPTH LANDED: 288.12' 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: 152 jts. (6369.07')  
 DEPTH LANDED: 6356.07' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 340 sk Hyfill mixed & 445 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

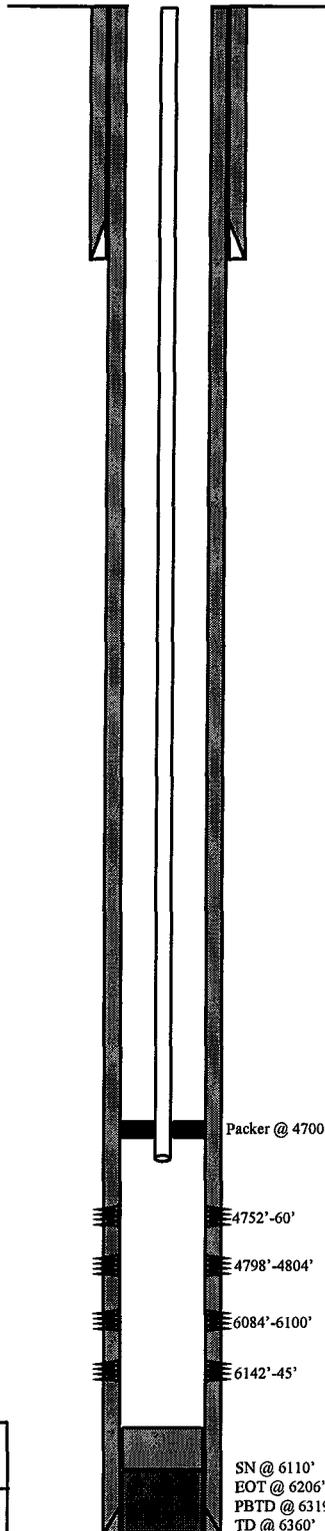
TUBING

SUCKER RODS

FRAC JOB

7/8/96 6084'-6145' Frac CP-1 and CP-2 sand as follows:  
 65,400# 20/40 sd in 418 bbls Boragel.  
 Brokdown @ 2124 psi. Treated @ avg  
 rate 20 bpm, avg press 1600 psi. ISIP-  
 2035, 5-min 1923. Flowback after 5 min  
 on 16/64" choke for 1-1/2 hrs & died.

7/10/96 4752'-4804' Frac GB-6 & PB-7 sands as follows:  
 82,100# of 20/40 sand w/ 439 bbls of  
 Boragel. Breakdown @ 2930 psi. Treated  
 @ avg rate 18.3 bpm w/ avg press of  
 1600 psi. ISIP: 2194 psi, 5-min 2151 psi.  
 Flowback after 5 min on 16/64" ck for 30  
 min & died.



PERFORATION RECORD

7/1/96	6084'-6100'	4 JSPF	60 holes
7/1/96	6142'-6145'	4 JSPF	12 holes
7/9/96	4752'-4760'	4 JSPF	32 holes
7/9/96	4798'-4804'	4 JSPF	24 holes

SN @ 6110'  
 EOT @ 6206'  
 PBTD @ 6319'  
 TD @ 6360'



**Inland Resources Inc.**

**Boundary Federal #15-21**

658 FSL 1980 FEL

SWSE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31622; Lease #U-50376

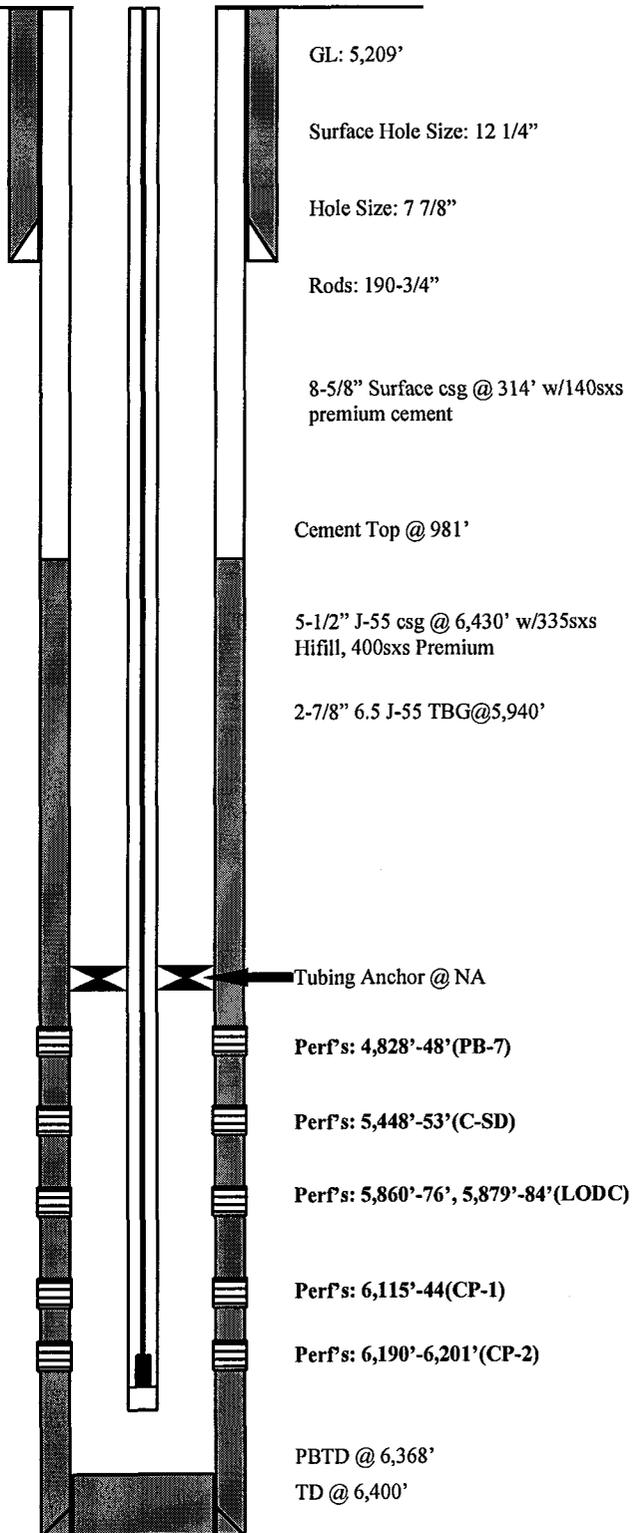
EXHIBIT "E-2"

Boundary Federal #9-21

Wellbore Diagram

Well History:

8-23-95 Spud Well  
 9-16-95 Perf: 6,190'-6,201', 6,115'-6,144'  
 9-20-95 Frac CP-1 and CP-2 zones as follows:  
 Totals 33,050 gal, 163,350#20/40 sd  
 Max TP 1,895 @ 36.4 BPM  
 Avg TP 1,450 @ 35 BPM  
 ISIP 1,895, after 5 min 1,822  
 9-21-95 Perf: 5,860'-5,876', 5,879'-5,884'  
 9-22-95 Frac LODC zone as follows:  
 Totals 31,000 gal, 152,000# 20/40 sd  
 Max TP 2,520 @ 41.3 BPM  
 Avg TP 2,200 @ 38 BPM  
 ISIP 2,300, after 5 min 2,243  
 9-23-95 Perf: 5,448'-5,453'  
 9-24-95 Frac C-Sd zone as follows:  
 Totals 12,960 gal, 60,000# 20/40 sd  
 Max TP 3,980 @ 27.8 BPM  
 Avg TP 1,550 @ 25 BPM  
 ISIP 1,462, after 5 min. 1,365  
 9-26-95 Perf: 4,828'-4,848'  
 9-27-95 Frac GB-7 zone as follows:  
 Totals 27,457 gal, 79,700# 16/30 sd  
 Max TP 2,450 @ 26.6 BPM  
 Avg TP 1,900 @ 24.5 BPM  
 ISIP 2,237, after 5 min. 2,131



**Inland Resources Inc.**  
 Boundary Federal #9-21  
 1980 FSL 660 FEL  
 NESE Section 21-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-31542; Lease #U-50376

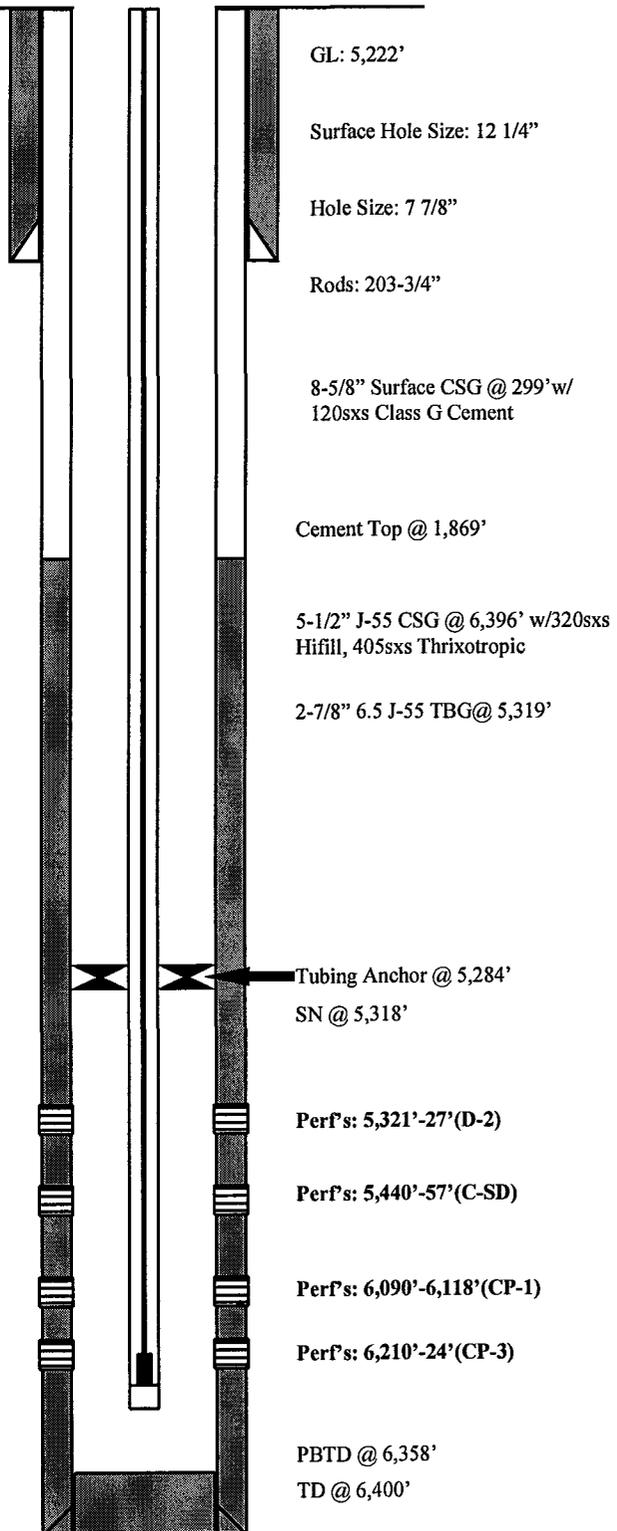
EXHIBIT "E-3"

Boundary Federal #10-21

Wellbore Diagram

Well History:

8-17-95 Spud Well  
 9-16-95 Perf: 6,210'-6,224', 6,090'-6,118'  
 9-20-95 Frac CP-1 and CP-3 zones as follows:  
 Totals 51,000 gal, 230,000# 20/40 sd  
 Max TP 2,150 @ 37 BPM  
 Avg TP 1,800 @ 36 BPM  
 ISIP 1,931, after 5 min 1,832  
 9-21-95 Perf: 5,440'-5,457'  
 9-22-95 Frac C zone as follows:  
 Totals 19,000 gal, 73,600# 20/40 sd  
 Max TP 2,080 @ 34 BPM  
 Avg TP 1,650 @ 33 BPM  
 ISIP 1,678, after 5 min 1,635  
 9-23-95 Perf: 5,321'-5,327'  
 9-24-95 Frac D-2 zone as follows:  
 Totals 14,312 gal, 55,000# 20/40 sd  
 Max TP 2,696 @ 28 BPM  
 Avg TP 2,100 @ 24 BPM  
 ISIP 1,793, after 5 min. 1,787



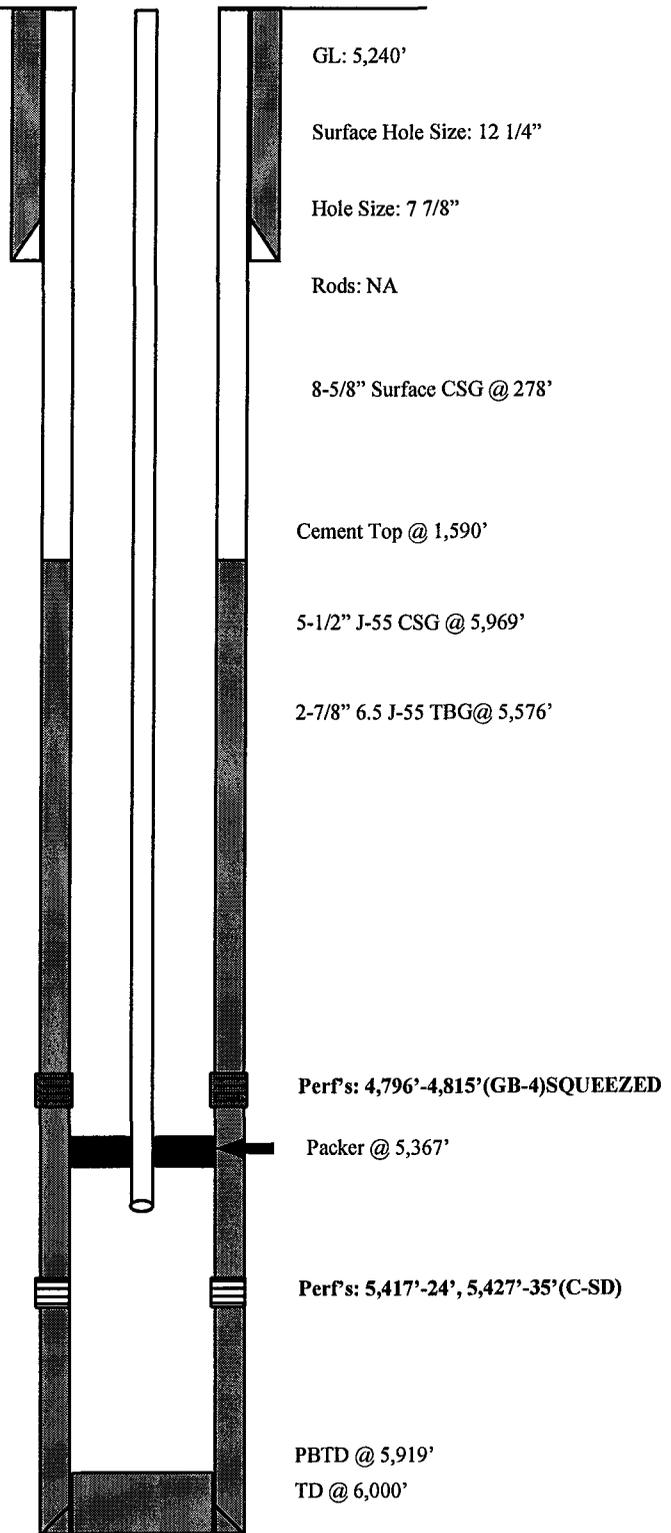
**Inland Resources Inc.**  
 Boundary Federal #10-21  
 1980 FEL 1983 FSL  
 NWSE Section 21-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-31532; Lease #U-50376

# Boundary Federal #11-21

Injector  
Wellbore Diagram

**Well History:**

9-10-83	Spud Well
10-7-83	Perf: 5,417'-5,424', 5,427'-5,435'
	Frac C zone as follows: 1,400 gal 5% KCl water and clay stabilizer Max TP 6,700 @ 0 BPM Avg TP 3,000 @ 8.8 BPM
2-22-96	Perf: 4,796'-4,815'
2-23-96	Frac GB-4 zone as follows: Totals 23,576 gal fluid 78,200# 16/30 sd Avg TP 1900 @ 25.5 bpm ISIP 2200, after 5 min 2096
3-2-96	SQUEEZE Perfs 4,796'-4,815' w/ est. 15.8 bbls cement in perfs and est. 3.7 bbls in csg. Est cement top 4700' SDFN w/ 3000 psi on tbg & 500 on ann.



	<b>Inland Resources Inc.</b>
	Boundary Federal #11-21 1915 FSL 2076 FWL NESW Section 21-T8S-R17E Duchesne Co, Utah API #43-013-30752; Lease #U-50376

EXHIBIT "E-5"

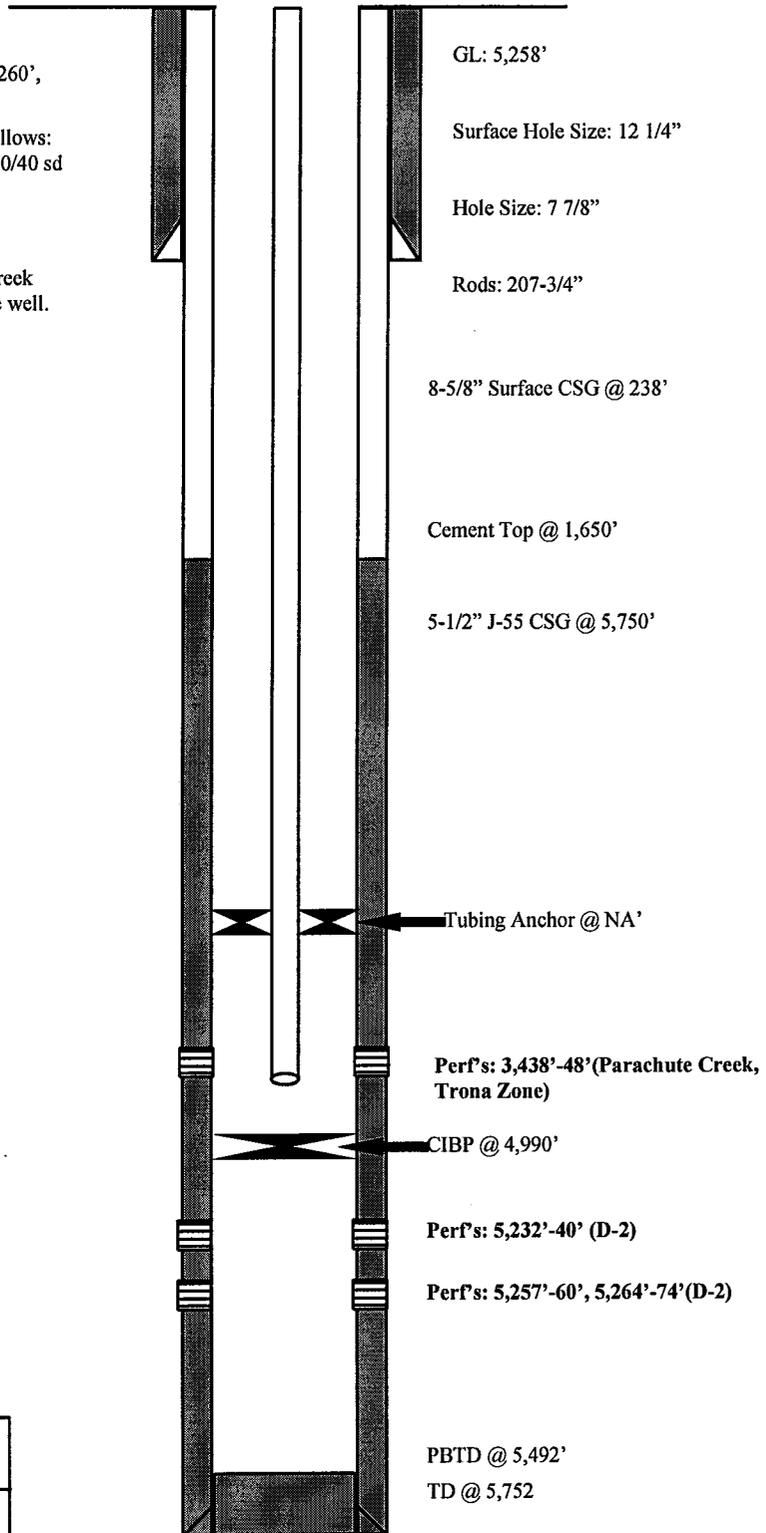
Boundary Federal #13-21

Water Source Well

Wellbore Diagram

Well History:

6-30-82	Spud Well
7-17-82	Perf: 5,232'-5,240', 5,257'-5,260', 5,264'-5,274'
7-18-82	Frac D-1 and D-2 zones as follows: Totals 31-,800 gal, 73,800# 20/40 sd Max TP 2,300 @ 30 BPM Avg TP 1,850 @ 30 BPM ISIP 1,650, after 5 min 1,540
1-96	Recompleted the Parachute Creek Trona Zone for a water source well.



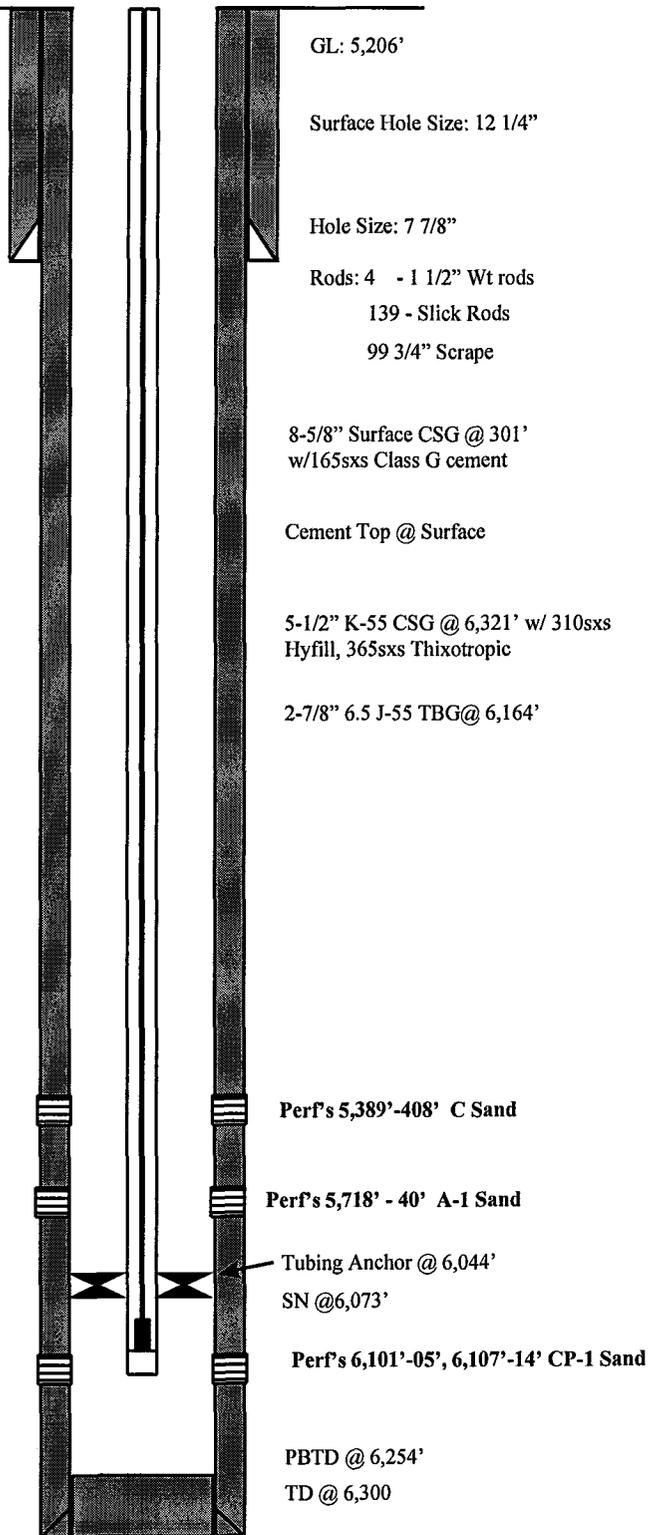
	<b>Inland Resources Inc.</b>
	Boundary Federal #13-21 515 FSL 517 FWL SWSW Section 21-T8S-R17E Duchesne Co, Utah API #43-013-30665; Lease #U-50376

# Boundary Federal #14-21

Wellbore Diagram

**Well History:**

11-16-95	Spud Well
12-23-95	Perf: 6,101'-05', 6,107'-6,114' CP-1 4 spf
12-24-95	Frac CP-1 Sand as follows: Totals 498 bbls Boragel 56,600# 20/40 snd. Avg rate 20 BPM @ 1870 psi. ISIP 1873 psi, 5 min: 1708 psi, 10 min: 1583 psi.
12-27-95	Perf: 5,718'-40' LDC 4 spf
12-28-95	Frac LDC as follows: Totals 504 bbls Boragel 50,000# 20/40 sd. Avg rate 28 BPM @ 2000 psi. ISIP 2046 psi, 5 min: 1860 psi, 10 min: 1759 psi.
12-30-95	Perf: 5,389'-408' C Sand 4 spf Frac C sand as follows: Totals 404 bbls Boragel 53,000# 20/40 psi. Avg rate 25.6 BPM @ 1400 psi. ISIP 1579 psi, 5 min: 1500 psi., 10 min: 1447 psi.



	<b>Inland Resources Inc.</b>
	Boundary Federal #14-21 660 FSL 1980 FWL SESW Section 21-T8S-R17E Duchesne Co, Utah API #43-013-31441; Lease #U-50376

# EXHIBIT "E-7"

## Boundary Federal #16-21

Spud Date: 6/14/96  
 Put on Production: 7/13/96  
 GL: 5208' KB: 5221'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (283.06')  
 DEPTH LANDED: 281.96' 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: 146 jts. (6258.09')  
 DEPTH LANDED: 6255' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 315 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: 198 jts  
 TUBING ANCHOR: 5908'  
 SEATING NIPPLE: 2-7/8" (1.10")  
 TOTAL STRING LENGTH: ? (EOT @ 6013')  
 SN LANDED AT: 5942'

**SUCKER RODS**

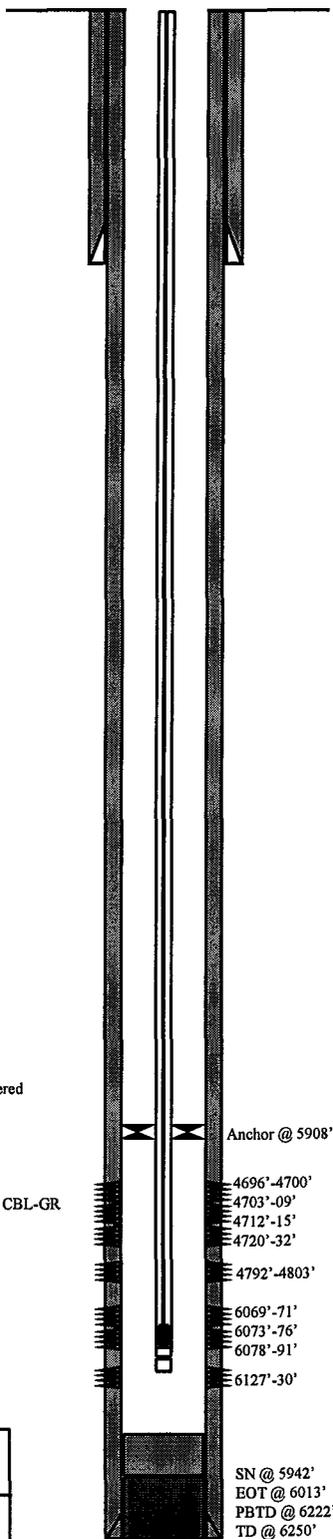
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-3/4" scraped, 134-3/4" slick rods, 92-3/4" scraped  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16 RHAC  
 STROKE LENGTH: 100"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

7/8/96	6069'-6130'	<b>Frac CP-1 sand as follows:</b> 81,600# of 20/40 sand in 468 bbls of Boragel. Brokedown @ 1806 psi. Treated @ avg rate 20.2 w/ avg press 1500 psi. ISIP-1927, 5-min SI: 1830. Flowback after 5 min on 16/64" ckoke for 3 hrs & died.
7/11/96	4696'-4803'	<b>Frac GB-6 &amp; PB-7 sands as follows:</b> 110,100# of 20/40 sand in 536 bbls of Boragel. Breakdown @ 960 psi. Treated @ avg rate 24.2 bpm w/ avg press of 1350 psi. ISIP-1894 psi, 5-min 1810 psi. Flowback after 5 min on 16/64" ck for 4 hrs & died.

**PERFORATION RECORD**

7/1/96	6069'-6071'	4 JSPF	8 holes
7/1/96	6073'-6076'	4 JSPF	12 holes
7/1/96	6078'-6091'	4 JSPF	48 holes
7/1/96	6127'-6130'	4 JSPF	12 holes
7/9/96	4696'-4700'	4 JSPF	16 holes
7/9/96	4703'-4709'	4 JSPF	24 holes
7/9/96	4712'-4715'	4 JSPF	12 holes
7/9/96	4720'-4732'	4 JSPF	44 holes
7/9/96	4792'-4803'	4 JSPF	40 holes



Anchor @ 5908'  
 4696'-4700'  
 4703'-09'  
 4712'-15'  
 4720'-32'  
 4792'-4803'  
 6069'-71'  
 6073'-76'  
 6078'-91'  
 6127'-30'

SN @ 5942'  
 EOT @ 6013'  
 PBTD @ 6222'  
 TD @ 6250'

**Inland Resources Inc.**

**Boundary Federal #16-21**

660 FSL 664 FEL

SESE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31627; Lease #U-50376

EXHIBIT "E-8"

Tar Sands Federal #2-28

Spud Date: 7/12/96  
Put on Production: --/--/--  
GL: 5220' KB: 5233'

Initial Production: ? BOPD, ?  
MCFPD, ? BWPD

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (290.46')  
DEPTH LANDED: 288.86' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

PRODUCTION CASING

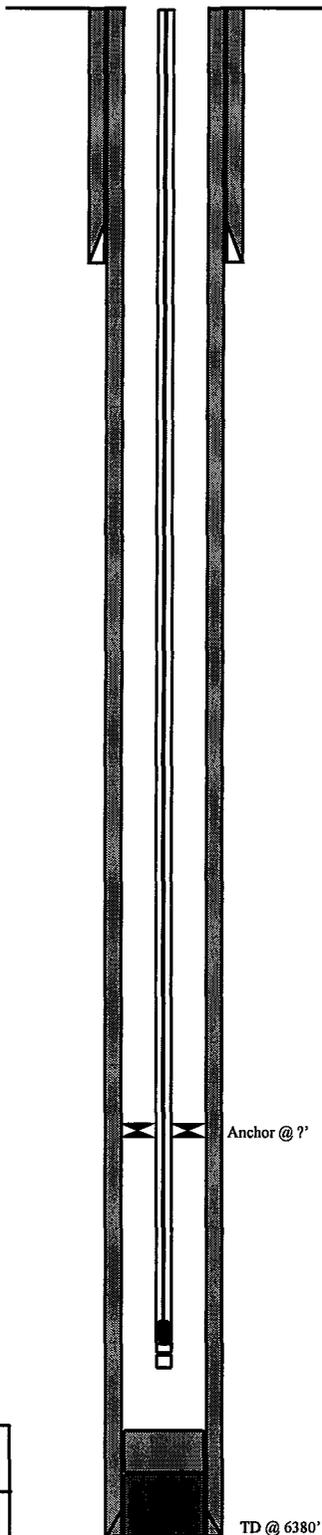
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 150 jts. (6384.21')  
DEPTH LANDED: 6380.02' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sk Hyfill mixed & 370 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

TUBING

Waiting on Completion 7/25/96

SUCKER RODS

PERFORATION RECORD



Anchor @ ?

TD @ 6380'

	<b>Inland Resources Inc.</b>
	<b>Tar Sands Federal #2-28</b>
	858 FNL 2178 FEL
	NWNE Section 28-T8S-R17E
	Duchesne Co, Utah
API #43-013-31642; Lease #U-74870	

# EXHIBIT "E-9"

## Tar Sands Federal #3-28

Spud Date: 5/18/96  
 Put on Production: 7/20/96  
 GL: 5236' KB: 5249'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.77')  
 DEPTH LANDED: 288.77' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 3 bbbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 150 jts. (6415.30')  
 DEPTH LANDED: 6411.30' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Hyfill mixed & 365 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 204 jts  
 TUBING ANCHOR: 5577'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5871')  
 SN LANDED AT: 5611'

**SUCKER RODS**

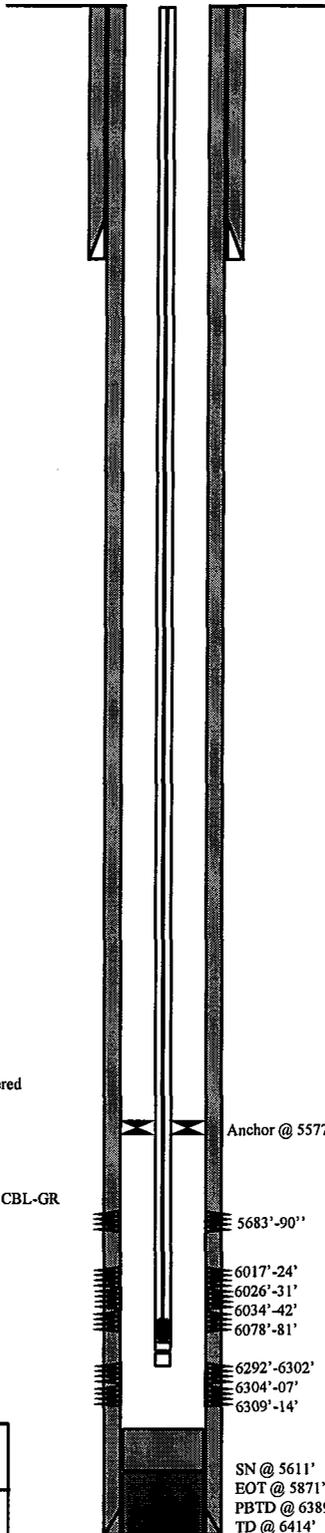
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-3/4" scraped, 120-3/4" slick rods, 96-3/4" scraped  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16 x 17 RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

7/8/96	6292'-6314'	<b>Frac CP-5 sand as follows:</b> 66,100# of 20/40 sand w/421 bbbls of Boragel. Brokedown @ 2770 psi, treated @ avg press 1880#, avg rate 20.3. ISIP-2305, 5-min 2097. Flowback after 5 min on 16/64" choke for 6-1/2 hrs & died.
7/10/96	6017'-6081'	<b>Frac CP-1 and CP-2 sands as follows:</b> 96,500# of 20/40 sand in 509 bbbls of Boragel. Breakdown @ 1760 psi. Treated @ avg rate of 20.5 bpm w/avg press of 1800 psi. ISIP-2547 psi, 5-min 2346 psi. Flowback after 5 min on 16/64" ck for 3-1/2 hrs & died.
7/12/96	5683'-5690'	<b>Frac A-1 sand as follows:</b> 82,000# 20/40 sand in 436 bbbls of Boragel. Breakdown @ 2578 psi, treated @ avg rate 16 bpm w/avg press 1850 psi. ISIP-1925 psi, 5-min 1822 psi. Flowback on 16/64" ck for 3-1/2 hrs until dead.

**PERFORATION RECORD**

6/28/96	6292'-6302'	4 JSPF	40 holes
6/28/96	6304'-6307'	4 JSPF	12 holes
6/28/96	6309'-6314'	4 JSPF	20 holes
7/9/96	6017'-6024'	4 JSPF	28 holes
7/9/96	6026'-6031'	4 JSPF	20 holes
7/9/96	6034'-6042'	4 JSPF	32 holes
7/9/96	6078'-6081'	4 JSPF	12 holes
7/11/96	5683'-5690'	4 JSPF	28 holes



Anchor @ 5577'  
 5683'-90"  
 6017'-24'  
 6026'-31'  
 6034'-42'  
 6078'-81'  
 6292'-6302'  
 6304'-07'  
 6309'-14'  
 SN @ 5611'  
 EOT @ 5871'  
 PBTD @ 6389'  
 TD @ 6414'

**Inland Resources Inc.**

**Tar Sands Federal #3-28**

474 FNL 2050 FWL

NENW Section 28-T8S-R17E

Duchesne Co, Utah

API #43-013-31623; Lease #U-74870

EXHIBIT "F"

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

07-31-96

WATER DESCRIPTION:	JOHNSON WATER	15-21
P-ALK AS PPM CaCO3	110	250
M-ALK AS PPM CaCO3	350	1400
SULFATE AS PPM SO4	135	360
CHLORIDE AS PPM Cl	100	4000
HARDNESS AS PPM CaCO3	240	20
CALCIUM AS PPM CaCO3	48	8
MAGNESIUM AS PPM CaCO3	29	0
SODIUM AS PPM Na	184	3312
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	864	9106
TEMP (DEG-F)	100	100
SYSTEM pH	8.6	8.5

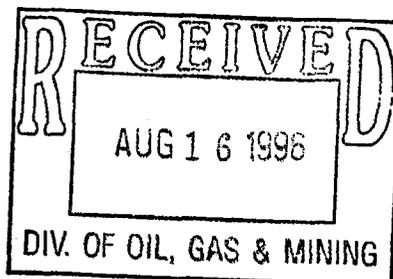
WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND 15-21  
 CONDITIONS: TEMP.=100 AND pH=8.6  
 WATER ONE IS JOHNSON WATER

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
100	.85	14	0	0	0
90	.89	13	0	0	0
80	.90	12	0	0	0
70	.88	10	0	0	0
60	.86	9	0	0	0
50	.81	8	0	0	0
40	.75	6	0	0	0
30	.68	5	0	0	0
20	.58	4	0	0	0
10	.45	2	0	0	0
0	.26	1	0	0	0



August 15, 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: Dan Jarvis**

**RE: Boundary Federal #15-21  
SW/SE Sec. 21, T8S, R17E  
Duchesne County, Utah**

Dear Dan,

Enclosed are three copies, of the Well Completion or Recompletion Report and log for the Boundary Federal #15-21. Included are the CBL, DLL, and the CNL logs.

If additional information is needed, please do not hesitate to call me in the Roosevelt office, (801) 722-5103.

Sincerely,  
  
Cheryl Cameron  
Regulatory Compliance Specialist

Enclosures  
/cc

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SUBMIT IN DUPLICATE  
AUG 16 1996  
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NO.

U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Boundary Federal #15-21

9. API WELL NO.

43-013 31622

10. FIELD AND POOL, OR WILDCAT

Boundary

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

Sec. 21, T8S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RENVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface SW/SE  
At top prod. interval reported below 658' FSL & 1980' FEL  
At total depth \_\_\_\_\_

14. PERMIT NO. DATE ISSUED  
UT080-6M82 6/10/96

15. DATE SPUDDED 5/16/96 16. DATE T.D. REACHED 6/10/96 17. DATE COMPL. (Ready to prod.) 7/13/96 18. ELEVATIONS (OF. RKB, RT. GR, ETC.)\* 5223' GR 19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 6362' 21. PLUG. BACK T.D., MD & TVD 6320' 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  
6084' - 6100', 6142' - 6145'  
4752' - 4760', 4798' - 4804'  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, CNL, DLL 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#	288.12 GL	12 1/4	120 sx prem + w/ 2% CC, 2% flocele	Gel w/ 3#/sk
5 1/2	15.5#	6356.07	7 7/8	340 sx Hifill w/ 2% Gilsonite & 245 sx Thixo w/ 10% Calseal	

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number)

CP sd @ 6084' - 6100', 6142' - 6145'  
GB sd @ 4752' - 4760', 4798' - 4804'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6084'-6100' & 6142'-6145	65,400# 20/40 sd in 418 bbls gel
4752'-4760' & 4798'-4804'	82,100# 20/40 sd in 439 bbls gel

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
7/13/96	Pumping 2 1/2" X 1 1/2" X 12' X 16' RHAC pump	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 day avg		N/A		22	90	2	4.1
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 Specialist DATE 8/14/96

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4491'					
Point 3 Mkr	4769'					
X Mkr	5002'					
Y Mkr	5040'					
Douglas Ck Mkr	5173'					
Bicarbonate Mkr	5433'					
B Limestone Mkr	5588'					
Castle Peak	6030'					

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>U-50376</b>
2. Name of Operator <b>Inland Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866</b>	7. If unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SW/SE Sec. 21, T8S, R17E</b>	8. Well Name and No. <b>Boundary Federal 15-21</b>
	9. API Well No. <b>43-013-31622</b>
	10. Field and Pool, or Exploratory Area <b>Boundary</b>
	11. County or Parish, State <b>Duchesne, UT</b>

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

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

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

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

**The Boundary Federal #15-21 was placed on injection @ 12:30 PM, 12/23/96.  
The csg integrity test has been conducted, see attachments.**

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

Signed *Cheryl Cameron* Title Regulatory Compliance Specialist Date 12/31/96  
**Cheryl Cameron**

(This space of Federal or State office use.)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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

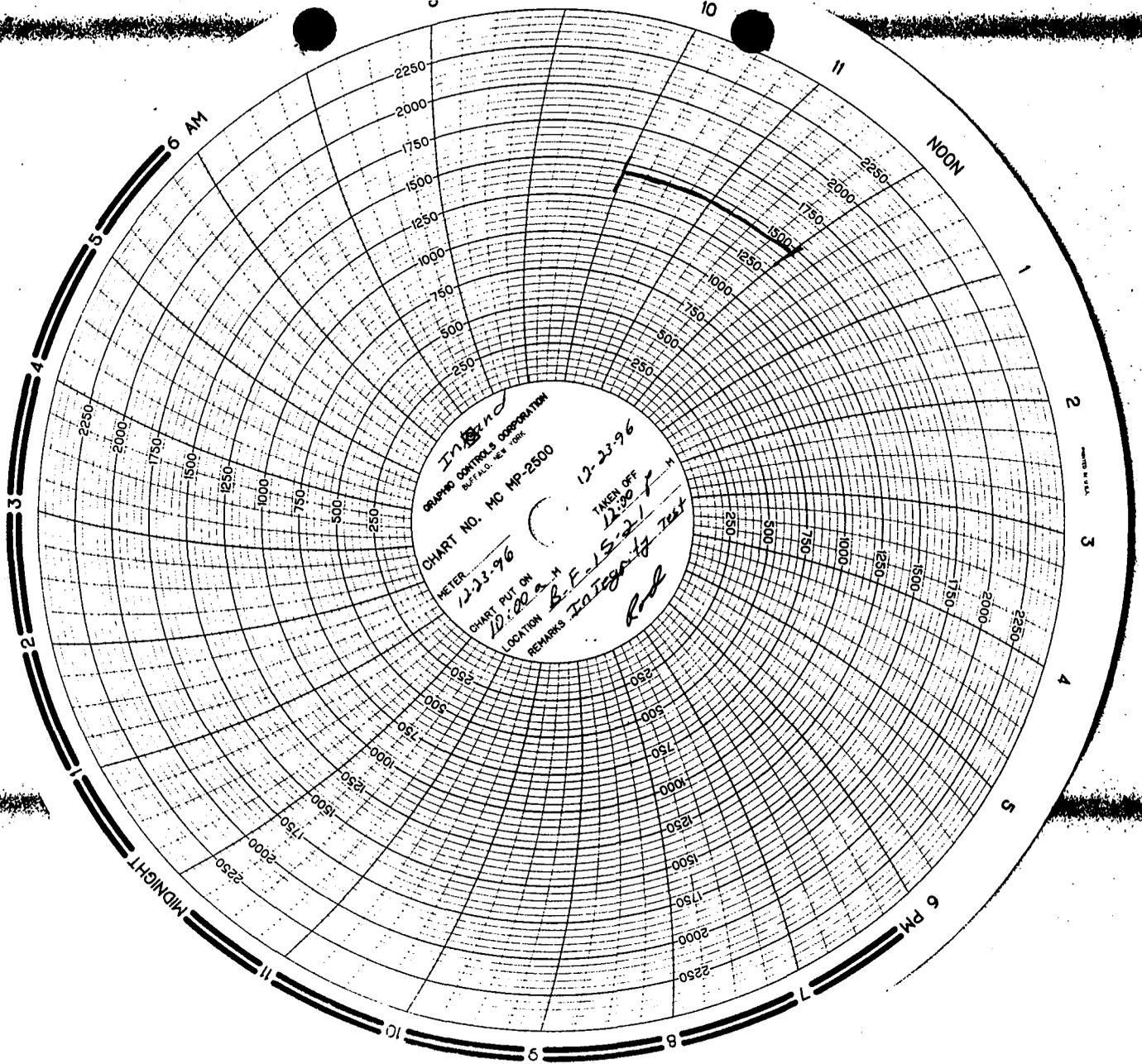
**CASING INTEGRITY TEST**

**BOUNDARY FEDERAL #15-21  
SW/SE SEC. 21, T8S, R17E  
DUCHESNE COUNTY, UTAH**

<b>0 MIN</b>	<b>1450 PSIG</b>
<b>10 MIN</b>	<b>1450 PSIG</b>
<b>20 MIN</b>	<b>1450 PSIG</b>
<b>30 MIN</b>	<b>1450 PSIG</b>
<b>40 MIN</b>	<b>1450 PSIG</b>
<b>50 MIN</b>	<b>1450 PSIG</b>
<b>60 MIN</b>	<b>1450 PSIG</b>
<b>70 MIN</b>	<b>1450 PSIG</b>
<b>80 MIN</b>	<b>1450 PSIG</b>
<b>90 MIN</b>	<b>1450 PSIG</b>
<b>100 MIN</b>	<b>1450 PSIG</b>
<b>120 MIN</b>	<b>1450 PSIG</b>

**TUBING PRESSURE 0 PSI**

**TEST CONDUCTED BY RODDIE BIRD/INLAND PRODUCTION COMPANY**



*Integrity*  
GROUPS CONTROL CORPORATION  
BAY A.D. 24 10K

CHART NO. MC MP-2500

METER 12-23-96

CHART PUT ON 10:00 AM

LOCATION B.F. 15.21

REMARKS *Integrity Test*

12-23-96  
TAKEN OFF 12:00 PM

*Rob*



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

September 24, 1996

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

Re: Boundary Federal 15-21 well, Section 21, Township 8 South, Range 17 East,  
Duchesne County, Utah

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.

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

Sincerely,

R.J. Firth  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal



143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	08/26/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8M4600461
SCHEDULE	
START 08/26/96 END 08/26/96	
CUST. REF. NO.	
#UIC-178	
CAPTION	

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-178  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION CO.  
FOR ADMINISTRATIVE APPROVAL OF THE 15-21 WELL LOCATED IN  
SECTION 21, TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., DU-  
CHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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

Notice is hereby given that the Division of Oil, Gas and  
Mining (the "Division") is commencing an informal adjudicative  
proceeding to consider the application of Inland Production  
Co. for administrative approval of the 15-21 well, located in  
Section 21, Township 8 South, Range 17 East, S.L.M., Duchesne  
County, Utah, for conversion to Class II injection well. The pro-  
ceeding will be conducted in accordance with Utah Admin.  
R.649-10, Administrative Procedures.

The interval from 4300 feet to 6000 feet (Green River Forma-  
tion) will be selectively perforated for water injection. A maxi-  
mum injection pressure of 2000 PSIG was requested with a maxi-  
mum rate of 1000 BWPD. Actual Pressure and rates will be  
determined by step-rate testing at the time of conversion.

Any person desiring to object to the application or other-  
wise intervene in the proceeding, must file a written protest or  
notice of intervention with the Division within fifteen days follow-  
ing publication of this notice. If such a protest or notice of inter-  
vention is received, a hearing will be scheduled before the  
Board of Oil, Gas and Mining. Protestants and/or intervenors  
should be prepared to demonstrate at the hearing how this  
matter affects their interests.

DATED this 19th day of August, 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R. J. Fifth  
Associate Director, Oil & Gas  
8M460040

STATE OF AGENCY ACTION CAUSE N

SIZE	
44 LINES	2.00 COLUMN
RATE	
1.64	
AD CHARGES	
144.32	
TOTAL COST	
144.32	

AFFIDAVIT OF PUBLICATION

INCORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED  
STATE OF AGENCY ACTION CAUSE N \_\_\_\_\_ FOR  
MINING \_\_\_\_\_ WAS PUBLISHED BY THE NEWSPAPER AGENCY

\_\_\_\_\_, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS  
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 08/26/96 END 08/26/96

SIGNATURE *R. J. Fifth*

DATE 08/26/96



RECEIVED  
STATE OF UTAH  
2008 Mainland St.  
Salt Lake City, UT 84103  
My Commission Expires  
March 31, 2000  
8M460040

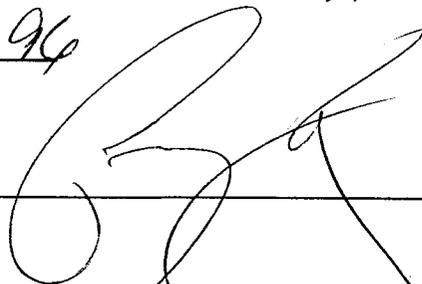
OFFICE COPY

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

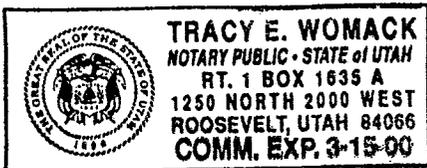
# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 27 day of Aug, 1996, and that the last publication of such notice was in the issue of such newspaper dated the 27 day of Aug, 1996

  
Subscribed and sworn to before me this 27 day of Aug, 1996  
Tracy E. Womack

Notary Public



## NOTICE OF AGENCY ACTION

CAUSE NO. UIC-178  
IN THE MATTER OF  
THE APPLICATION OF  
INLAND PRODUCTION  
CO. FOR ADMINISTRATIVE APPROVAL OF  
THE 15-21 WELL LOCATED IN SECTION 21,  
TOWNSHIP 8 SOUTH,  
RANGE 17 EAST, S.L.M.,  
DUCHESNE COUNTY,  
UTAH, AS A CLASS II  
INJECTION WELL.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Co. for administrative approval of the 15-21 well, located in Section 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The interval from 4300 feet to 6000 feet (Green River Formation) will be selectively perforated for water injection. A maximum injection pressure of 2000 PSIG was requested with a maximum rate of 1000 BWPD. Actual pressure and rates will be determined by step-rate testing at the time of conversion.

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

Dated this 19th day of August 1996.

State of Utah Division of Oil, Gas and Mining

R.J. Firth, Associate Director, Oil and Gas

Published in the Uintah Basin Standard August 27, 1996.

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION CO. FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-178
THE 15-2I WELL LOCATED IN	:	
SECTION 21, TOWNSHIP 8 SOUTH,	:	
RANGE 17 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, AS A	:	
CLASS II INJECTION WELL	:	

---ooOoo---

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

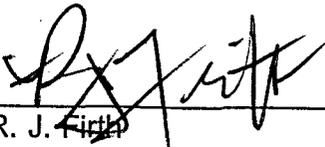
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Co. for administrative approval of the 15-2I well, located in Section 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4300 feet to 6000 feet (Green River Formation) will be selectively perforated for water injection. A maximum injection pressure of 2000 PSIG was requested with a maximum rate of 1000 BWPD. Actual pressure and rates will be determined by step-rate testing at the time of conversion.

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Dated this 19th day of August 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
R. J. Firth  
Associate Director, Oil & Gas



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

August 19, 1996

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-178

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure





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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

August 19, 1996

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-178

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure



Inland Production Company  
15-21 Well  
Cause No. UIC-178

Publication Notices were sent to the following:

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

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

U.S. Environmental Protection Agency  
Region VIII  
Attn. Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466

*Lorraine Platt*

---

Lorraine Platt  
Secretary  
August 19, 1996

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

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

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

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

5. LEASE DESIGNATION AND SERIAL NO.

**U-50376**

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

**Boundary Federal #15-21**

9. API WELL NO.

**43-013 31622**

10. FIELD AND POOL, OR WILDCAT

**Boundary**

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

**Sec. 21, T8S, R17E**

12. COUNTY OR PARISH

**Duchesne**

13. STATE

**UT**

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RENVR

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS AND TELEPHONE NO.

**P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5493 GAS & MINING**

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

At surface **SW/SE**

At top prod. interval reported below **658' FSL & 1980' FEL**

At total depth

14. PERMIT NO.

**UT080-6M82**

DATE ISSUED

**6/10/96**

15. DATE SPUDDED

**5/16/96**

16. DATE T.D. REACHED

**6/10/96**

17. DATE COMPL. (Ready to prod.)

**7/13/96**

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\*

**5223' GR**

19. ELEV. CASINGHEAD

**--**

20. TOTAL DEPTH, MD & TVD

**6362'**

21. PLUG BACK T.D., MD & TVD

**6320'**

22. IF MULTIPLE COMPL. HOW MANY\*

**1**

23. INTERVALS DRILLED BY

**Rotary**

ROTARY TOOLS

**X**

CABLE TOOLS

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

**6084' - 6100', 6142' - 6145'  
4752' - 4760', 4798' - 4804'**

25. WAS DIRECTIONAL SURVEY MADE

**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**CBL, CNL, DLL 8-16-96**

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#	288.12 GL	12 1/4	120 sx prem + w/ 2% CC, 2% flocele	Gel w/ 1#/sk
5 1/2	15.5#	6356.07	7 7/8	340 sx Hifill w/ 2% Gilsonite & 245 sx Thixo w/ 10% Calseal	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

**CP sd @ 6084' - 6100', 6142' - 6145'  
GB sd @ 4752' - 4760', 4798' - 4804'**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>6084'-6100' &amp; 6142'-6145</b>	<b>65,400# 20/40 sd in 418 bbls gel</b>
<b>4752'-4760' &amp; 4798'-4804'</b>	<b>82,100# 20/40 sd in 439 bbls gel</b>

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
<b>7/13/96</b>	<b>Pumping 2 1/2" X 1 1/2" X 12' X 16' RHAC pump</b>	<b>producing</b>					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<b>10 day avg</b>		<b>N/A</b>		<b>22</b>	<b>90</b>	<b>2</b>	<b>4.1</b>
FLOW, TUBING PRBS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

**Sold & Used for Fuel**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

**Logs in Item #26**

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

SIGNED **Cheryl Cameron**

TITLE **Regulatory Compliance Specialist** DATE **8/14/96**

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4491'					
Point 3 Mkr	4769'					
X Mkr	5002'					
Y Mkr	5040'					
Douglas Ck Mkr	5173'					
Bicarbonate Mkr	5433'					
Bearstone Mkr	5588'					
Castle Peak	6030'					

*To: Lisa*

*all of these are 43-013-*

*From: Debbie*

Inland Resources Inc.  
Greater Boundary Unit  
Well List  
Status as of March 27, 1998

#12391 "Greater Boundary (GPPV) Unit"

Lease Name	Status	Operator	Twp	Rge	Sec	Spot	Accounting No.	API Code
BOUNDARY FEDERAL 7-20307500051	INJ	INLAND	08S	17E		20 7.0	UMBOI001 30750	8407
BOUNDARY FED 11-21	INJ	INLAND	08S	17E		21 11.0	UMBOI002 30752	10630
<del>BOUNDARY FEDERAL 15-21</del>	<del>INJ</del>	<del>INLAND</del>	<del>08S</del>	<del>17E</del>		<del>21 15.0</del>	<del>UMBOI003</del>	<del>31622 11924</del>
<del>BOUNDARY FEDERAL #10-20</del>	<del>P&amp;A</del>	<del>N/A</del>	<del>08S</del>	<del>17E</del>		<del>20 10</del>	<del>#N/A</del>	
<del>TAR SANDS FEDERAL 12-28</del>	<del>P&amp;A</del>	<del>INLAND</del>	<del>08S</del>	<del>17E</del>		<del>28 12.0</del>	<del>#N/A</del>	
<del>TAR SANDS FEDERAL #32-29</del>	<del>P&amp;A</del>	<del>N/A</del>	<del>08S</del>	<del>17E</del>		<del>29 7</del>	<del>#N/A</del>	
BOUNDARY FEDERAL 6-20	PDP	INLAND	08S	17E		20 6.0	UMBOP001 31626	11991
BOUNDARY FEDERAL 8-20	<del>PDP</del>	<del>INLAND</del>	<del>08S</del>	<del>17E</del>		<del>20 8.0</del>	<del>#N/A</del>	<del>31993 12329</del>
BOUNDARY FEDERAL 9-20	PDP	INLAND	08S	17E		20 9.0	UMBOP002 30690	8408
BOUNDARY FEDERAL 15-20	PDP	INLAND	08S	17E		20 15.0	UMBOP003 30667	8409
BOUNDARY 6-21	PDP	INLAND	08S	17E		21 6.0	UMBOP005 31889	1226
BOUNDARY 7-21	PDP	INLAND	08S	17E		21 7.0	UMZZP053 31640	1202
BOUNDARY 8-21	PDP	INLAND	08S	17E		21 8.0	UMZZP052 31557	11851
BOUNDARY FEDERAL 9-21	PDP	INLAND	08S	17E		21 9.0	UMBOP006 31542	11806
BOUNDARY FEDERAL 10-21	PDP	INLAND	08S	17E		21 10.0	UMBOP007 31532	11803
BOUNDARY FEDERAL 12-21	PDP	INLAND	08S	17E		21 12.0	UMBOP008 31440	11709
BOUNDARY FEDERAL 13-21	PDP	INLAND	08S	17E		21 13.0	UMBOW001 30665	2660
BOUNDARY FEDERAL 14-21	PDP	INLAND	08S	17E		21 14.0	UMBOP009 31441	11768
BOUNDARY FEDERAL 16-21	PDP	INLAND	08S	17E		21 16.0	UMBOP010 31627	11934
TAR SANDS FEDERAL 2-28	PDP	INLAND	08S	17E		28 2.0	UMZZP079 11937	31642
TAR SANDS FEDERAL 3-28	PDP	INLAND	08S	17E		28 3.0	UMZZP078 11923	31623
TAR SANDS FEDERAL 4-28	PDP	INLAND	08S	17E		28 4.0	UMZZP080 11938	31641
TAR SANDS FEDERAL 5-28 (I)	PDP	INLAND	08S	17E		28 5.0	UMZZP114 12171	31697
TAR SANDS FED 6-28	PDP	INLAND	08S	17E		28 6.0	UMZZP116 12241	31921
TAR SANDS FEDERAL 1-29	PDP	INLAND	08S	17E		29 13.0	UMZZP105 12176	31771
TAR SANDS FED 8-29	PDP	INLAND	08S	17E		29 1.0	UMZZP115 12168	31743
TAR SANDS FEDERAL 9-29	PDP	INLAND	08S	17E		29 8.0	UMZZP117 12242	31922
TAR SANDS FEDERAL 12-29	PDP	INLAND	08S	17E		29 9.0	#N/A 12281	31942
TAR SANDS FEDERAL 16-29	PDP	INLAND	08S	17E		29 12.0	UMZZP113 12261	31924
TAR SANDS FEDERAL 1-33	PDP	INLAND	08S	17E		29 16.0	UMZZP106 12212	31871
TAR SANDS FEDERAL 2-33	PDP	INLAND	08S	17E		33 1.0	UMZZP108 12265	31863
BOUNDARY FED 5-21	SI	INLAND	08S	17E		21 2.0	UMZZP107 12271	31867
FEDERAL 1-26	SI	INLAND	08S	17E		26 5.0	UMBOP004 30822	11162
						3.0	431162 430473	31953 11227

*Thanks for your help.*

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. N5160

ADDRESS \_\_\_\_\_  
 \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12391		**SEE ATTACHED**							5-1-98
WELL 1 COMMENTS: GREATER BOUNDARY (GRRV) UNIT EFF 5-1-98											
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  
ENG. TECH Title  
6-26-98 Date  
 Phone No. ( ) \_\_\_\_\_

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

		5. LEASE DESIGNATION AND SERIAL NO. <b>U-50376</b>	
1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (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  <b>N/A</b>	
		7. UNIT AGREEMENT NAME  <b>GREATER BOUNDARY</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>BOUNDARY FEDERAL 15-21</b>	
3. ADDRESS OF OPERATOR <b>Rout # 3 Box 3630 Myton, Utah 84052 (435) 646-3721</b>		9. WELL NO. <b>15-21-8-17</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SE 658 FSL 1980 FEL</b>		10. FIELD AND POOL OR WILDCAT  <b>BOUNDARY</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SE Section 21, T08S R17E</b>	
14. API NUMBER <b>43-013-31622</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5223 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Step-Rate Test</u> <input checked="" type="checkbox"/>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

On July 13, 1999 Inland Production Company conducted a step-rate test (SRT) on the the Boundary Federal 15-21 injection well in the Boundary Unit. Due to the results of the SRT we are requesting that the maximum allowable injection pressure be changed to 1592 psi. *fr. 1000 PSI*

18 I hereby certify that the foregoing is true and correct

SIGNED *Bo Medina* TITLE Operations Manager DATE 7/14/99

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

Date: 7/19/99  
By: *[Signature]*

\* See Instructions On Reverse Side

**Calculation of Maximum Surface Injection Pressure**

<i>Date:</i>	7/13/99	<i>Operator:</i>	<u>Inland Production Co.</u>
		<i>Well:</i>	<u>Boundary Federal # 15-21</u>
		<i>Unit:</i>	<u>Boundary Unit</u>
		<i>Permit:</i>	<u>UT2702-00000</u>

Enter the following values if known:

Instantaneous Shut In Pressure ( ISIP)	<u>1760</u> psi
Specific Gravity (SG) of injectate	<u>1.005</u> g/cc
Depth to injection zone top (D)	<u>4752'</u> feet
Estimated Formation Parting Pressure (Pfp) from chart	<u>1595</u> psi
Fracture Gradient (FG)	<u>0.77</u> psi/ft
Bottom Hole Parting Pressure (Pbbp)	<u>3663</u> psi

**Maximum Surface Injection Pressure =** **1592 PSIG**

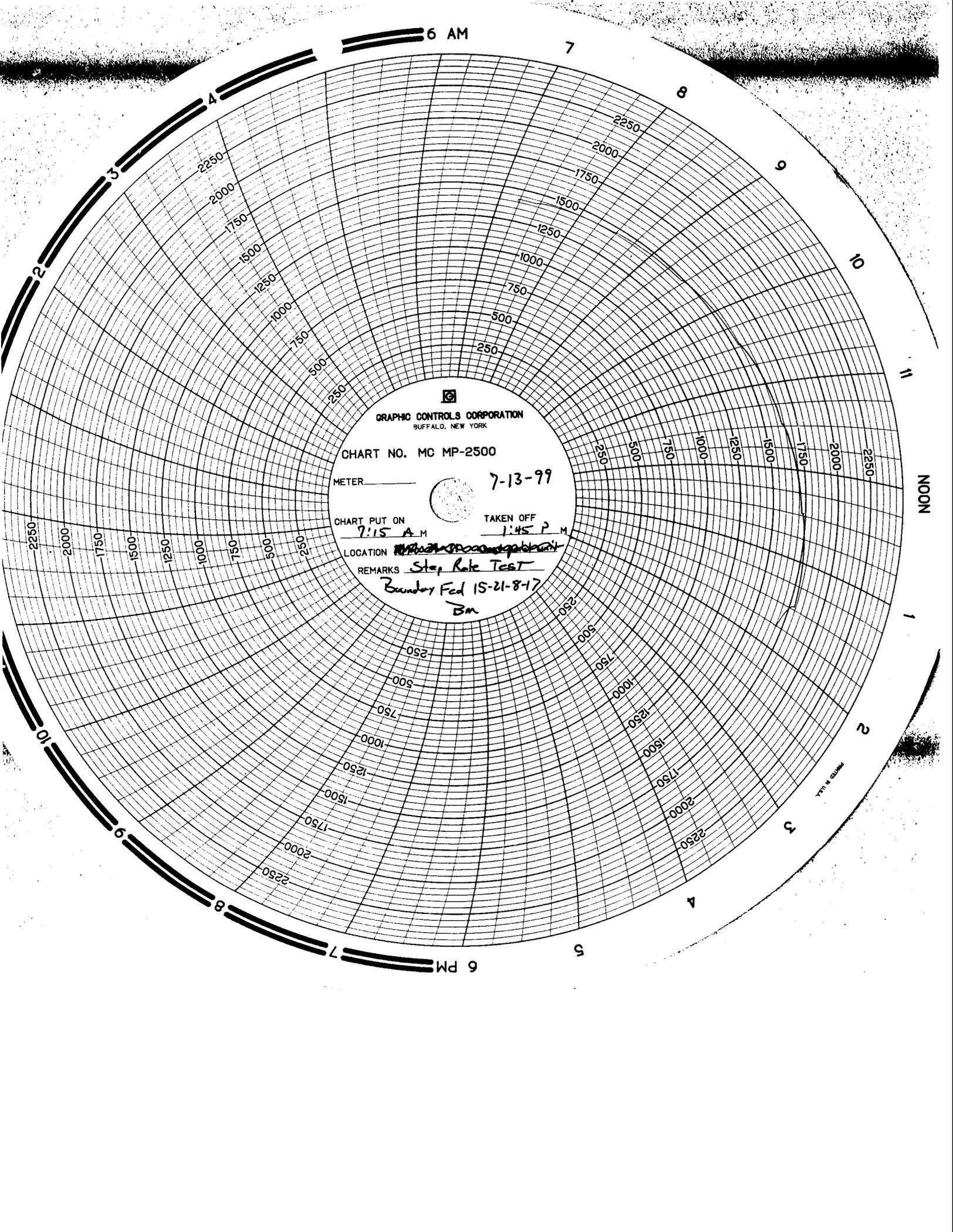
Maximum Surface Injection Pressure ( P<sub>max</sub>) =  $FG - ( 0.433 * SG ) * D$  1592  
 ( Use lesser of ISIP or Pfp ) Value used = 1595 psi

Fracture Gradient (FG) =  $(P_{bhp} / D)$   
 ( Use lesser of FG's ) Value used = 0.77

Calculated FG = 0.77 Compared FG =

Bottom hole Parting Pressure ( P<sub>bhp</sub>) =  $ISIP + ( 0.433 * SG * D )$  **3663 PSI**





GRAPHIC CONTROLS CORPORATION  
SUFFALO, NEW YORK

CHART NO. MC MP-2500

METER \_\_\_\_\_

7-13-99

CHART PUT ON

TAKEN OFF

7:15 A M

1:45 P M

LOCATION

~~Boundary Fed 15-21-8-17~~

REMARKS

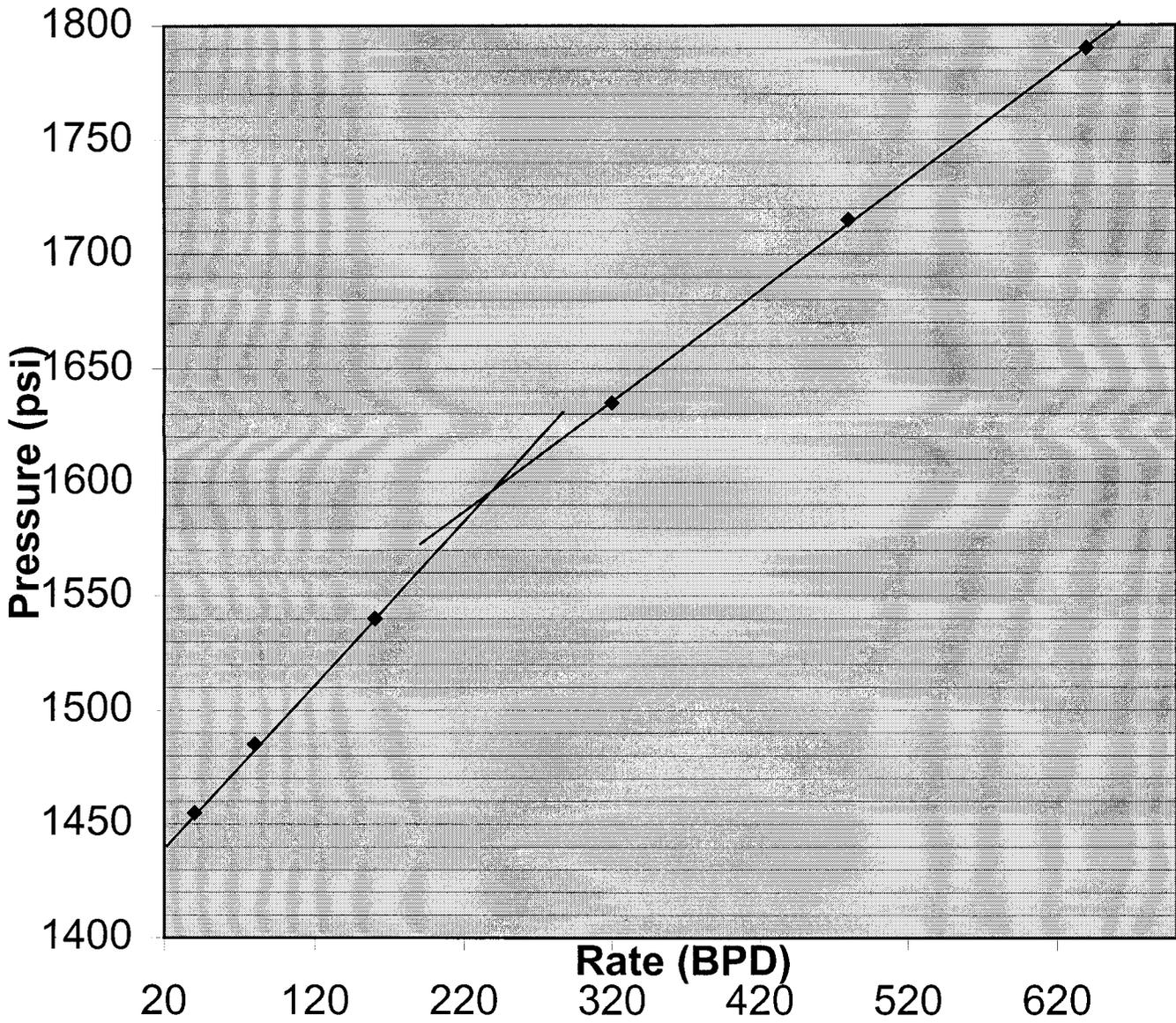
Step Rate Test

Boundary Fed 15-21-8-17

Bm

MADE IN U.S.A.

3F 15-21-8-17  
(Boundary unit)  
Step Rate Test  
July 13, 1999

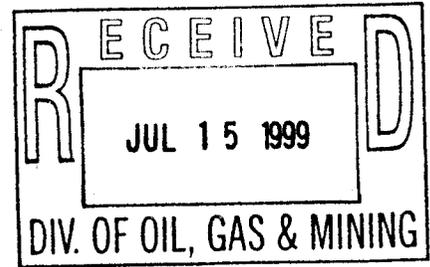


ISIP: 1760 psi

Fracture pressure: 1595 psi

FG: 0.770

Step	Rate(bpd)	Pressure(psi)
1	40	1455
2	80	1485
3	160	1540
4	320	1635
5	480	1715
6	640	1790



July 14, 1999

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

Dear Dan:

Please find enclosed Step Rate Test (SRT) results on the Boundary Federal #15-21 injection well in the Boundary Unit. The SRT was conducted by Inland Production Company on July 13, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1592 psi for this well. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

Enclosures

cc: Environmental Protection Agency

/bm

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

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (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.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-76954</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		7. UNIT AGREEMENT NAME  <b>GREATER BOUNDARY</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SE Section 21, T08S R17E 658 FSL 1980 FEL</b>		8. FARM OR LEASE NAME <b>BOUNDARY FED 15-21-8-17</b>	
14. API NUMBER <b>43-013-31622</b>		9. WELL NO. <b>BOUNDARY FED 15-21-8-17</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5223 GR</b>		10. FIELD AND POOL, OR WILDCAT  <b>BOUNDARY</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SE Section 21, T08S R17E</b>	
		12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

A 5 year MIT was conducted on the subject well. On 11-8-01 Mr. Dennis Ingram w/State DOGM and Mr. Nathan Wisner w/ EPA were notified of the intent to conduct a MIT on the casing. On 11-8-01 the casing was pressured to 1040 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

RECEIVED  
NOV 13 2001  
DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 11/9/01  
Krishna Ranaell

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**COPY SENT TO OPERATOR**  
Date: 11-14-01  
Initials: CHO

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

Date: 11-14-01  
By: [Signature]

\* See Instructions On Reverse Side

# 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: Contacted Nathan Wiser w/EPA Date: 11/8/01  
 Test conducted by: Ron Shuck  
 Others present: Contacted Dennis Ingram w/OBEM of Utah

Well Name: <u>Boundary Fed 15-21-8-17</u>	Type: <input checked="" type="radio"/> SWD	Status: <input checked="" type="radio"/> AC	<input type="radio"/> TA	<input type="radio"/> UC
Field: <u>Monument Butte</u>	EPA# <u>UT2702-04339</u>			
Location: <u>SW/SE</u>	Sec: <u>21</u>	T: <u>8</u>	N/S: <input checked="" type="radio"/> R	<input type="radio"/> W
Operator: <u>Inland Production</u>	County: <u>Duchesne</u> State: <u>Utah</u>			
Last MIT: <u>12/23/96</u>	Maximum Allowable Pressure: <u>1592</u>		PSIG	

Is this a regularly scheduled test?       Yes     No  
 Initial test for permit?                     Yes     No  
 Test after well rework?                     Yes     No  
 Well injecting during test?                 Yes     No      If Yes, rate: 12 bpd

Pre-test casing/tubing annulus pressure: 0/1580 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial pressure		<u>1580</u> psig	psig	psig
End of test pressure		<u>1580</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>				
<u>11:00 AM</u>	0 minutes	<u>1040</u> psig	psig	psig
	5 minutes	<u>1040</u> psig	psig	psig
	10 minutes	<u>1040</u> psig	psig	psig
	15 minutes	<u>1040</u> psig	psig	psig
	20 minutes	<u>1040</u> psig	psig	psig
	25 minutes	<u>1040</u> psig	psig	psig
<u>11:30 AM</u>	30 minutes	<u>1040</u> psig	psig	psig
	minutes	psig	psig	psig
	minutes	psig	psig	psig
<b>RESULT</b>		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

# MECHANICAL INTEGRITY PRESSURE TEST

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

*5 year MIT on Casing.*

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

*Ron Shuck*

## 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 \_\_\_\_\_

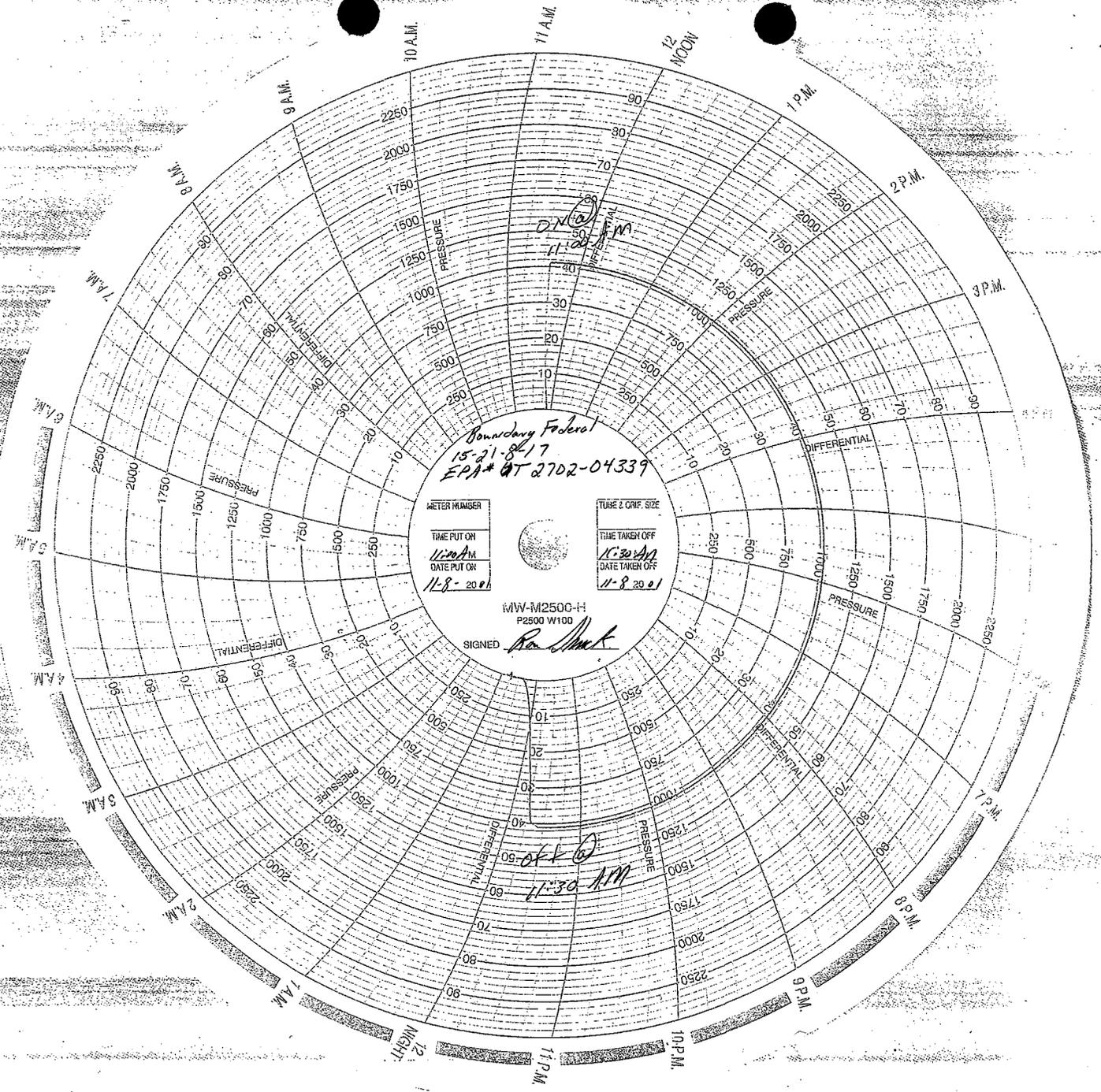
NO - why not? \_\_\_\_\_

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU76954

**SUNDRY NOTICES AND REPORTS ON WELLS**

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, c  
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:  
**GREATER BOUNDARY**

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER      Injection well

8. WELL NAME and NUMBER:  
**BOUNDARY FED 15-21**

2. NAME OF OPERATOR:  
**Newfield Production Company**

9. API NUMBER:  
4301331622

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

10. FIELD AND POOL, OR WILDCAT:  
**Monument Butte**

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE:    658 FSL 1980 FEL

COUNTY: Duchesne

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:    SW/SE, 21, T8S, R17E

STATE: Utah

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

TYPE OF ACTION

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>10/08/2004</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

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

A step rate test was conducted on the subject well on September 21, 2004. Results from the test indicate that the fracture gradient is .802 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1745 psi.

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

NAME (PLEASE)      Mike Guinn

TITLE    Vice President of Op

SIGNATURE

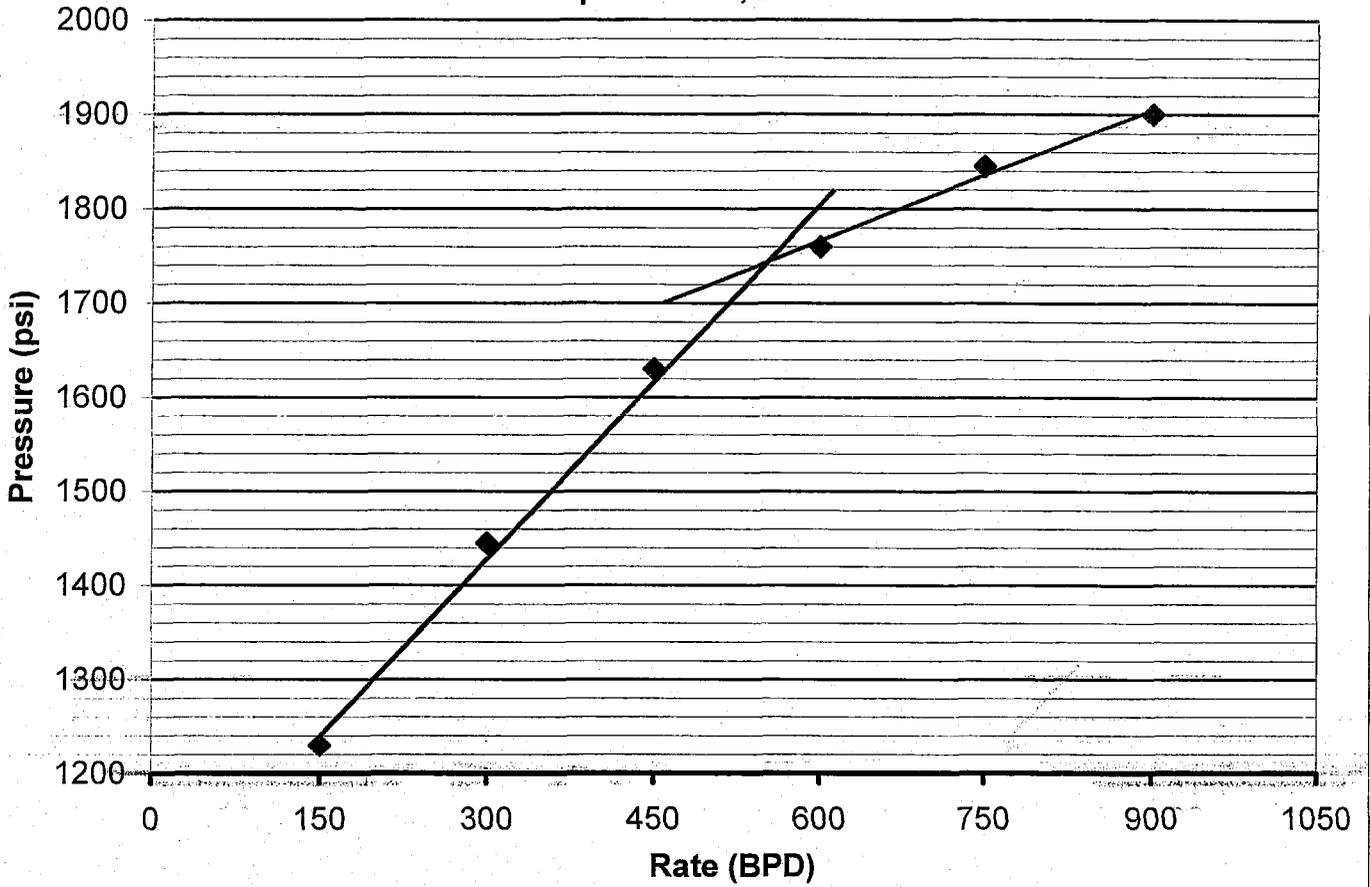


DATE    October 08, 2004

(This space for State use only)

**RECEIVED**  
**OCT 12 2004**  
DIV. OF OIL, GAS & MINING

Boundary Federal 15-21-8-17  
 Greater Boundary Unit  
 Step Rate Test  
 September 21, 2004



**Start Pressure:** 1015 psi  
**Instantaneous Shut In Pressure (ISIP):** 1865 psi  
**Top Perforation:** 4752 feet  
**Fracture pressure (P<sub>fp</sub>):** 1745 psi  
**FG:** 0.802 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	150	1230
2	300	1445
3	450	1630
4	600	1760
5	750	1845
6	900	1900





# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555  
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:		State : UTAH

EFFECTIVE DATE OF TRANSFER: 9/1/2004

**CURRENT OPERATOR**

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

**NEW OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Tech. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

(9/2003)

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**GREATER BOUNDARY (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BOUNDARY FED 15-20	20	080S	170E	4301330667	12391	Federal	WI	A
BOUNDARY FED 9-20	20	080S	170E	4301330690	12391	Federal	WI	A
BOUNDARY FED 7-20	20	080S	170E	4301330750	12391	Federal	WI	A
BOUNDARY FED 6-20	20	080S	170E	4301331626	12391	Federal	OW	S
BOUNDARY FED 13-21	21	080S	170E	4301330665	12391	Federal	WI	A
BOUNDARY FED 11-21	21	080S	170E	4301330752	12391	Federal	WI	A
BOUNDARY FED 5-21	21	080S	170E	4301330822	12391	Federal	WI	A
BOUNDARY FED 12-21	21	080S	170E	4301331440	12391	Federal	OW	S
BOUNDARY FED 14-21	21	080S	170E	4301331441	12391	Federal	OW	P
BOUNDARY FED 10-21	21	080S	170E	4301331532	12391	Federal	OW	P
BOUNDARY FED 9-21	21	080S	170E	4301331542	12391	Federal	WI	A
BOUNDARY 8-21	21	080S	170E	4301331557	12391	Fee	OW	P
BOUNDARY FED 15-21	21	080S	170E	4301331622	12391	Federal	WI	A
BOUNDARY FED 16-21	21	080S	170E	4301331627	12391	Federal	OW	P
BOUNDARY 7-21	21	080S	170E	4301331640	12391	Fee	WI	A
TAR SANDS FED 3-28	28	080S	170E	4301331623	12391	Federal	WI	A
TAR SANDS FED 4-28	28	080S	170E	4301331641	12391	Federal	OW	P
TAR SANDS FED 2-28	28	080S	170E	4301331642	12391	Federal	OW	S
TAR SANDS FED 5-28 (I)	28	080S	170E	4301331697	12391	Federal	WI	A
GB FED 7-29R-8-17	29	080S	170E	4301330435		Federal	D	PA

K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-76954
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II
8. WELL NAME and NUMBER: BOUNDARY FED 15-21
9. API NUMBER: 4301331622
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**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.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
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: 658 FSL 1980 FEL COUNTY: DUCHESNE  OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 21, T8S, R17E STATE: UT	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/06/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 11-6-06 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 11/6/06. On 11/6/06 the casing was pressured up to 1140 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1720 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20702-04339 API# 43-013-31622

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

NAME (PLEASE PRINT) Callie Ross	TITLE Production Clerk
SIGNATURE <i>Callie Ross</i>	DATE 11/07/2006

(This space for State use only)

**RECEIVED**  
**NOV 08 2006**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 11 / 06 / 06  
 Test conducted by: JD Horrocks  
 Others present: \_\_\_\_\_

Well Name: <u>Boundary Federal 15-21-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte / Greater Boundary unit.</u>		
Location: <u>SW/SE</u> Sec: <u>21</u> T <u>8</u> N <u>10</u> R <u>17</u> <u>W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield Explorations</u>		
Last MIT: <u>    </u> / <u>    </u> / <u>    </u>	Maximum Allowable Pressure: <u>1745</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: 25 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1720</u> psig	psig	psig
End of test pressure	<u>1720</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1140</u> psig	psig	psig
5 minutes	<u>1140</u> psig	psig	psig
10 minutes	<u>1140</u> psig	psig	psig
15 minutes	<u>1140</u> psig	psig	psig
20 minutes	<u>1140</u> psig	psig	psig
25 minutes	<u>1140</u> psig	psig	psig
30 minutes	<u>1140</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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

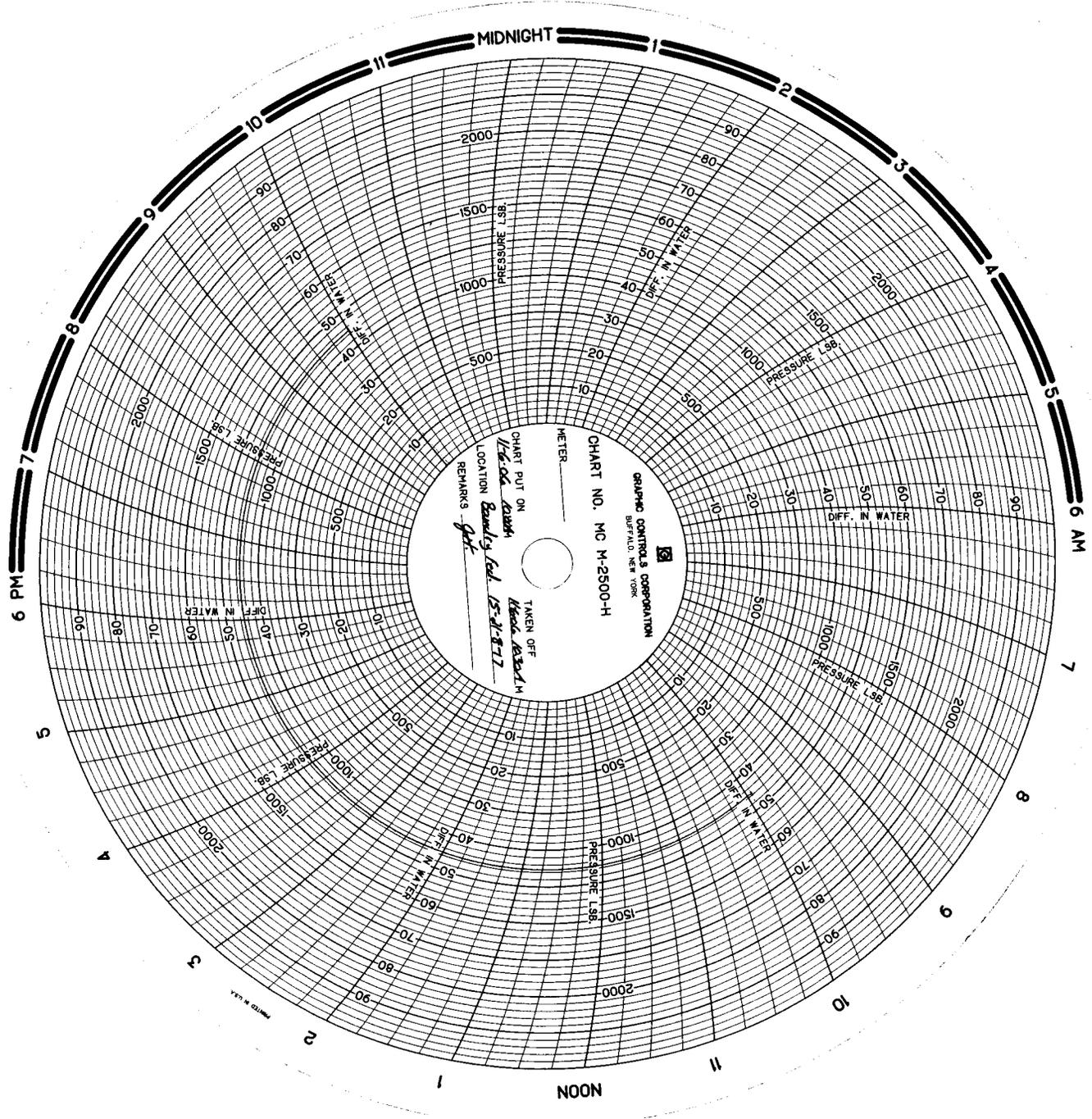


CHART NO. MC M-2500-H  
GALPHIC CONTROLS CORPORATION  
BOSTON, MASS. U.S.A.

CHART PUT ON \_\_\_\_\_  
TAKEN OFF \_\_\_\_\_  
METER \_\_\_\_\_

LOCATION *Brooklyn Fed*  
REMARKS *gfr*

*11-26-54*  
*15-2-8-77*  
*11-26-54*

CHART NO. MC M-2500-H  
GALPHIC CONTROLS CORPORATION  
BOSTON, MASS. U.S.A.

CHART PUT ON \_\_\_\_\_  
TAKEN OFF \_\_\_\_\_  
METER \_\_\_\_\_

LOCATION *Brooklyn Fed*  
REMARKS *gfr*

*11-26-54*  
*15-2-8-77*  
*11-26-54*

CHART NO. MC M-2500-H  
GALPHIC CONTROLS CORPORATION  
BOSTON, MASS. U.S.A.

CHART PUT ON \_\_\_\_\_  
TAKEN OFF \_\_\_\_\_  
METER \_\_\_\_\_

LOCATION *Brooklyn Fed*  
REMARKS *gfr*

*11-26-54*  
*15-2-8-77*  
*11-26-54*

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-50376
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> BOUNDARY FED 15-21
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013316220000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0658 FSL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/14/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
		OTHER: <input type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 10/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 10/14/2011 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1657 psig during the test. There was not an EPA representative available to witness the test.</p> <p style="text-align: center;">EPA# UT20702-04339</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/19/2011

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 10 / 14 / 11  
 Test conducted by: Lynn Mosen  
 Others present: \_\_\_\_\_

Well Name: <u>Boundary Federal 15-21-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/SE</u> Sec: <u>21</u> T: <u>8</u> N: <u>(S)</u> R: <u>17</u> E: <u>(W)</u> County: <u>Packe</u> State: <u>UT</u>		
Operator: <u>New Field</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

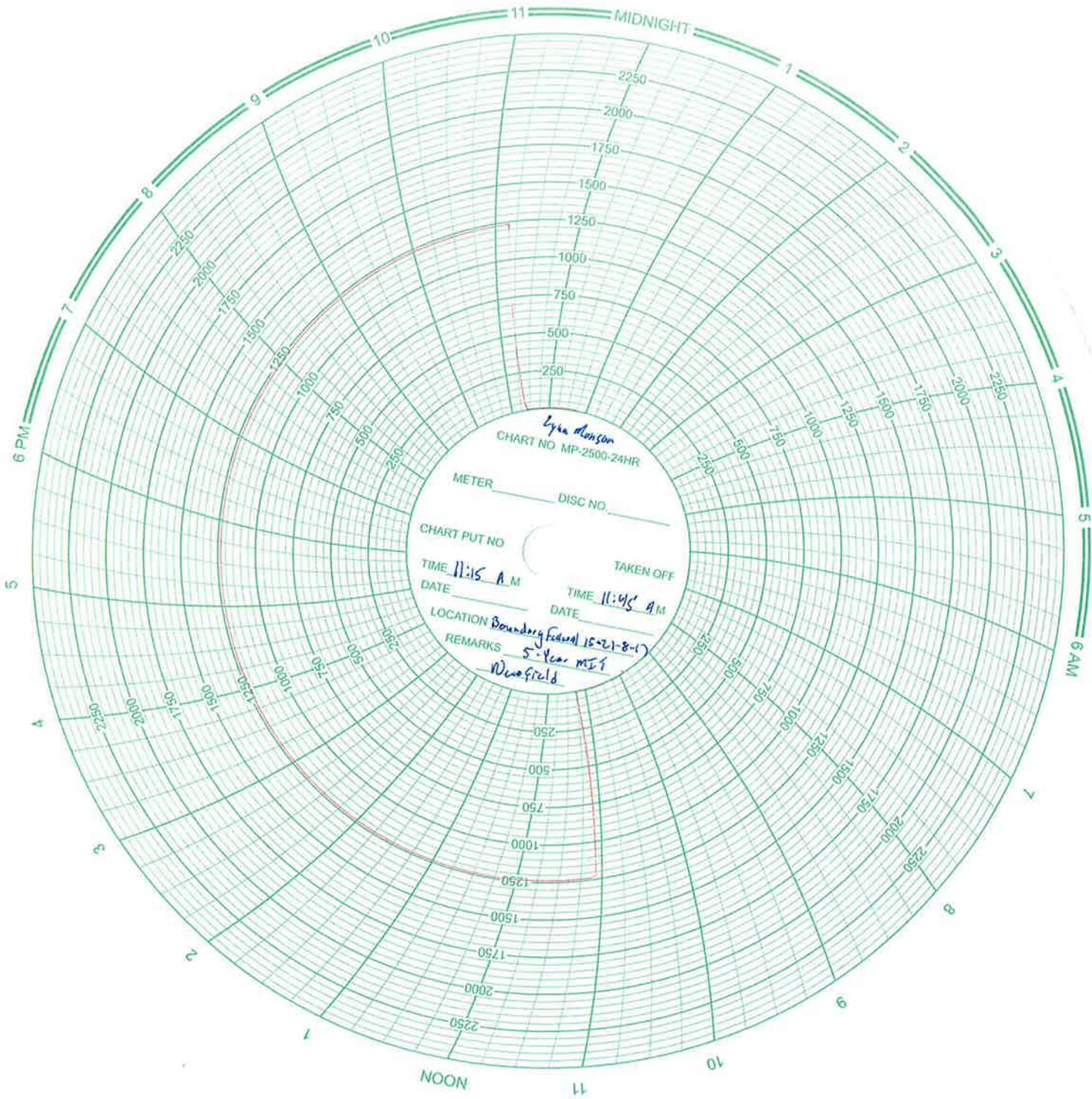
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1657</u> psig	psig	psig
End of test pressure	<u>1657</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1240</u> psig	psig	psig
5 minutes	<u>1240</u> psig	psig	psig
10 minutes	<u>1240</u> psig	psig	psig
15 minutes	<u>1240</u> psig	psig	psig
20 minutes	<u>1240</u> psig	psig	psig
25 minutes	<u>1240</u> psig	psig	psig
30 minutes	<u>1240</u> psig	psig	psig
<u>   </u> minutes	psig	psig	psig
<u>   </u> minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



**NEWFIELD**



**Schematic**

43-013-31622

**Well Name: Boundary 15-21-8-17**

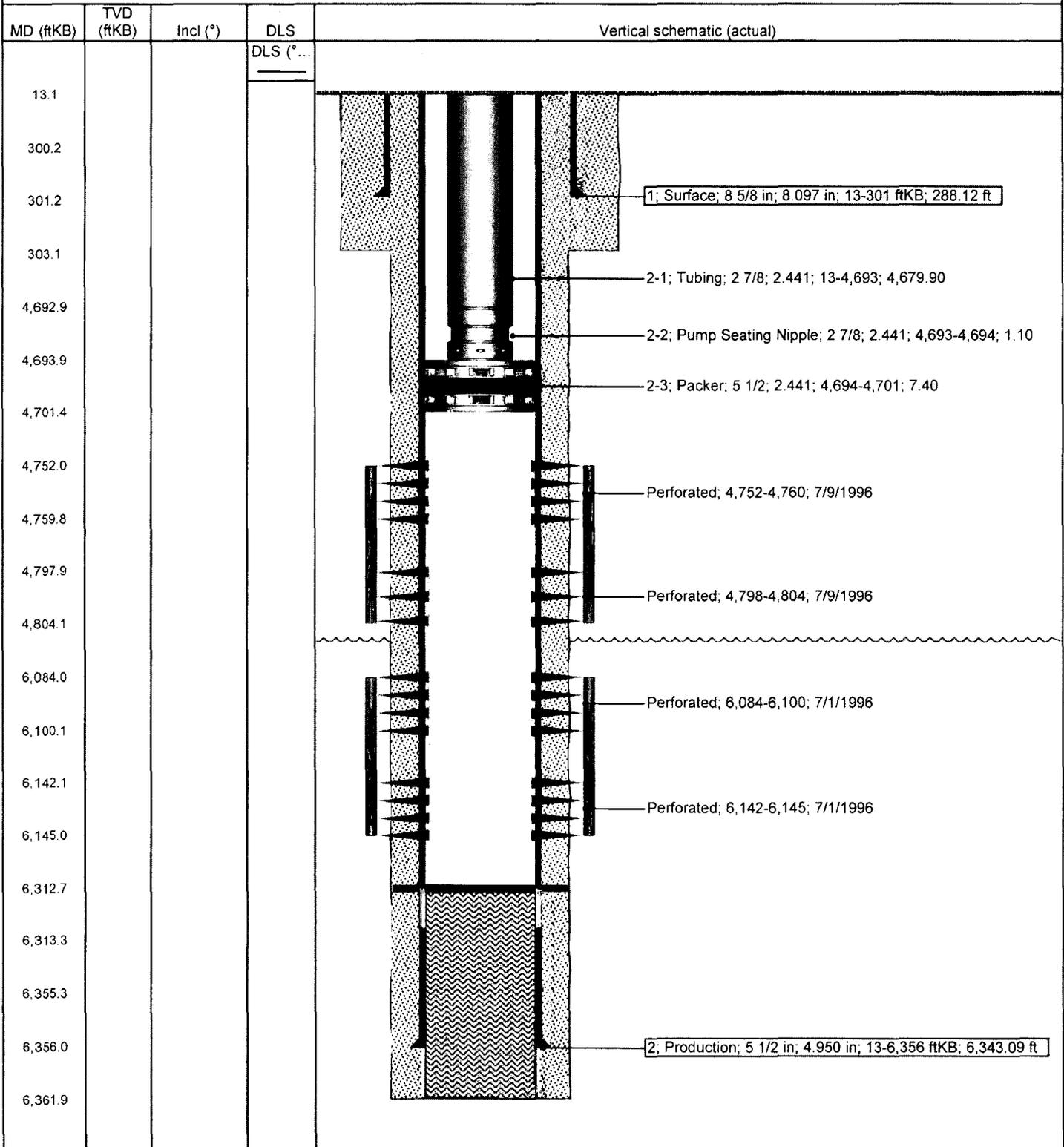
Surface Legal Location 21-8S-17E		API/UWI 43013316220000	Well RC 500151685	Lease	State/Province Utah	Field Name GMBU CTB7	County Duchesne
Spud Date 5/16/1996	Rig Release Date 6/11/1996	On Production Date 7/13/1996	Original KB Elevation (ft) 5,236	Ground Elevation (ft) 5,223	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 6,312.6	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Clean-out	Secondary Job Type N/A	Job Start Date 7/9/2014	Job End Date 7/9/2014
---------------------------------------	-------------------------------	---------------------------	----------------------------	--------------------------

**TD: 6,362.0**

Vertical - Original Hole, 3/2/2016 3:44:46 PM





## Newfield Wellbore Diagram Data Boundary 15-21-8-17

Surface Legal Location 21-8S-17E		API/UWI 43013316220000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 5/16/1996		Spud Date 5/16/1996		Final Rig Release Date 6/11/1996	
Original KB Elevation (ft) 5,236		Ground Elevation (ft) 5,223		Total Depth (ftKB) 6,362.0	
				Total Depth All (TVD) (ftKB)	
				PBD (All) (ftKB) Original Hole - 6,312.6	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	WtLen (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/17/1996	8 5/8	8.097	24.00	J-55	301
Production	6/10/1996	5 1/2	4.950	15.50	J-55	6,356

### Cement

#### String: Surface, 301ftKB 5/17/1996

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 303.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CaCl, 2% gel & 1/4#/sk Flocele		Fluid Type Lead	Amount (sacks) 120	Class Premium Plus	Estimated Top (ftKB) 13.0

#### String: Production, 6,356ftKB 6/10/1996

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 6,362.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w 2% gilsonite		Fluid Type Lead	Amount (sacks) 340	Class Hifill	Estimated Top (ftKB) 13.0
Fluid Description w/ 10% CalSeal		Fluid Type Tail	Amount (sacks) 445	Class Thixotropic	Estimated Top (ftKB) 3,000.0

### Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		12/17/1996		4,701.4				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	149	2 7/8	2.441	6.50	M-50	4,679.90	13.0	4,692.9
Pump Seating Nipple		2 7/8	2.441			1.10	4,692.9	4,694.0
Packer		5 1/2	2.441			7.40	4,694.0	4,701.4

### Rod Strings

Rod Description		Run Date		Set Depth (ftKB)				
Item Des		Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
2	GB6, Original Hole	4,752	4,760	4			7/9/1996
2	PB7, Original Hole	4,798	4,804	4			7/9/1996
1	CP1, Original Hole	6,084	6,100	4			7/1/1996
1	CP2, Original Hole	6,142	6,145	4			7/1/1996

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,035		22.0	2,500			
2	2,194		22.0	2,930			

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 65400 lb
2		Proppant Bulk Sand 82100 lb

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-50376
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> BOUNDARY FED 15-21
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013316220000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0658 FSL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 21 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/13/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 09/13/2016 the casing was pressured up to 1468 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1000 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04339

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 22, 2016**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/19/2016	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2456

EPA Witness: \_\_\_\_\_ Date: 9 / 13 / 2016  
 Test conducted by: Dustin Bennett  
 Others present: \_\_\_\_\_

Well Name: <u>Buddy Federal 15-21-817</u>	Type: ER SWD	Status: AC TA UC	-04327
Field: <u>Morgan Butte</u>			
Location: <u>SW 1/4</u> Sec: <u>21</u> T: <u>8</u> N/S: <u>R 17 E</u> County: <u>Duchesne</u> State: <u>UT</u>			
Operator: <u>Artificial Explanation</u>			
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1556</u>	PSIG	

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

Pre-test casing/tubing annulus pressure: 1469 / 1000 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1000</u> psig	psig	psig
End of test pressure	<u>1000</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1469</u> psig	psig	psig
5 minutes	<u>1469</u> psig	psig	psig
10 minutes	<u>1469</u> psig	psig	psig
15 minutes	<u>1469</u> psig	psig	psig
20 minutes	<u>1468</u> psig	psig	psig
25 minutes	<u>1468</u> psig	psig	psig
30 minutes	<u>1468</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

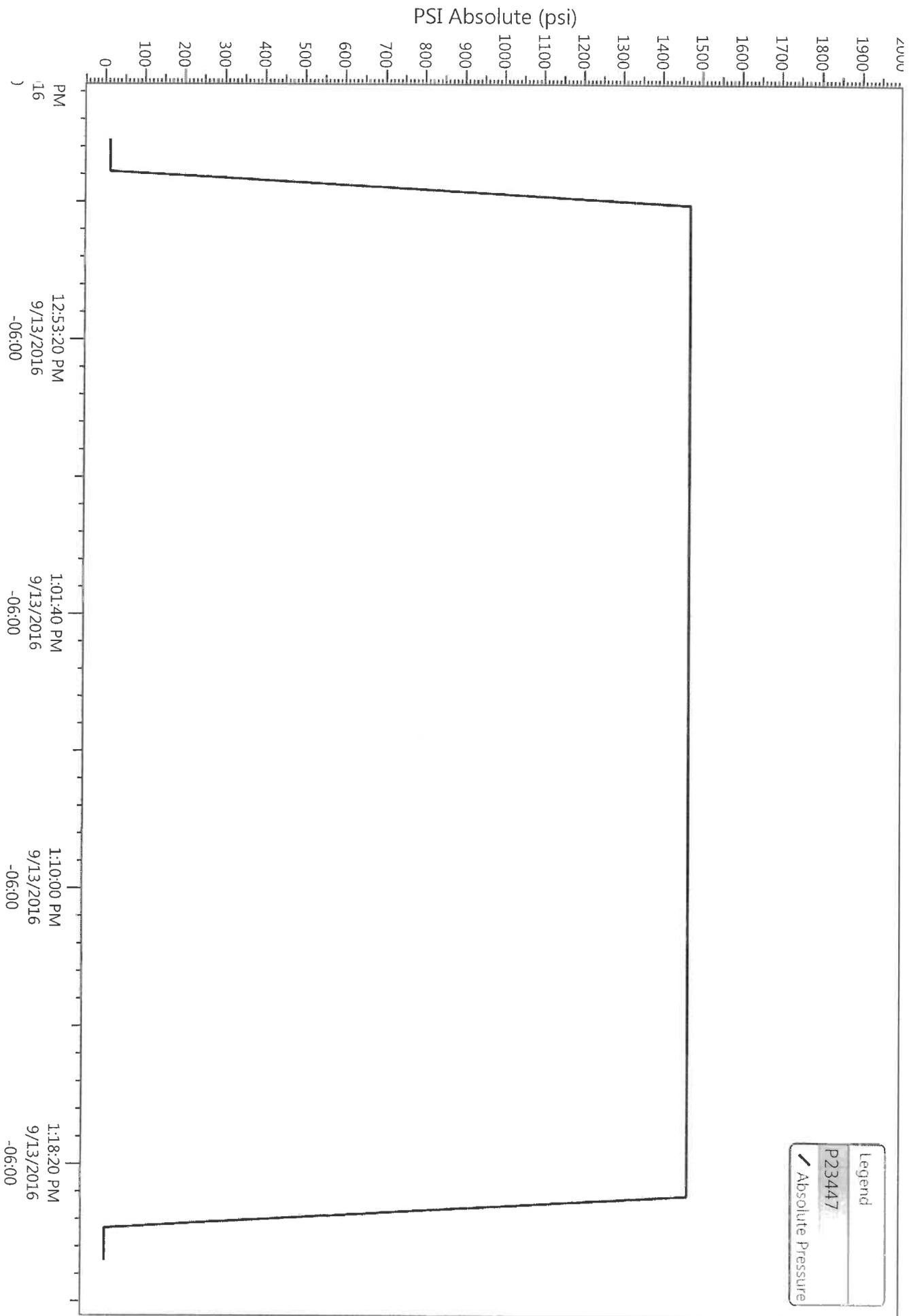
### MECHANICAL INTEGRITY PRESSURE TEST

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

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

Boundary Federal 15-21-8-17 (5 yr MIT 9-13-2016)

9/13/2016 12:46:15 PM



Legend  
P23447  
✓ Absolute Pressure