

May 5, 1982

State of Utah
Division of Oil & Gas
1588 West Temple
Salt Lake City, Utah 84116

RE: Lomax Exploration Company
NTL-6 Transmittal

Gentlemen:

Enclosed is the APD/NTL-6 for the following locations:

Federal #13-21
SW/SW Section 21, T8S, R17E
Duchesne County, Utah

Federal #15-20
SW/SE Section 20, T8S, R17E
Duchesne County, Utah

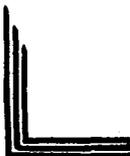
Please advise if you need additional information.

Very truly yours,



Michele Tisdell
Sec. Drilling & Production

/mt
Enclosures (6)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
Lemax Exploration Company

3. ADDRESS OF OPERATOR
P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
509' FSL & 1994' FEL, Section 20 (SW/SE), T8S, R17E
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
509'

16. NO. OF ACRES IN LEASE
1705.6

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.
N/A

19. PROPOSED DEPTH
6000 *Wanted*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 5288

22. APPROX. DATE WORK WILL START*
August, 1982

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	300 sx
7 7/8	5 1/2	15.50	TD	As needed

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 5/13/82
 BY: *[Signature]*

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 *[Signature]* **G.L. Pruitt** TITLE Mgr. Drlg. & Prod. DATE May 5, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



LOMAX EXPLORATION CO.
 FED. # 15-20

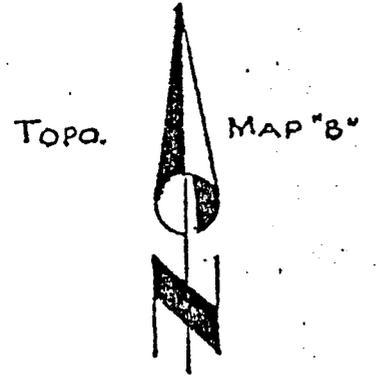
PROPOSED LOCATION



PROPOSED ACCESS ROAD
0.6 MILE

1.4 MILES

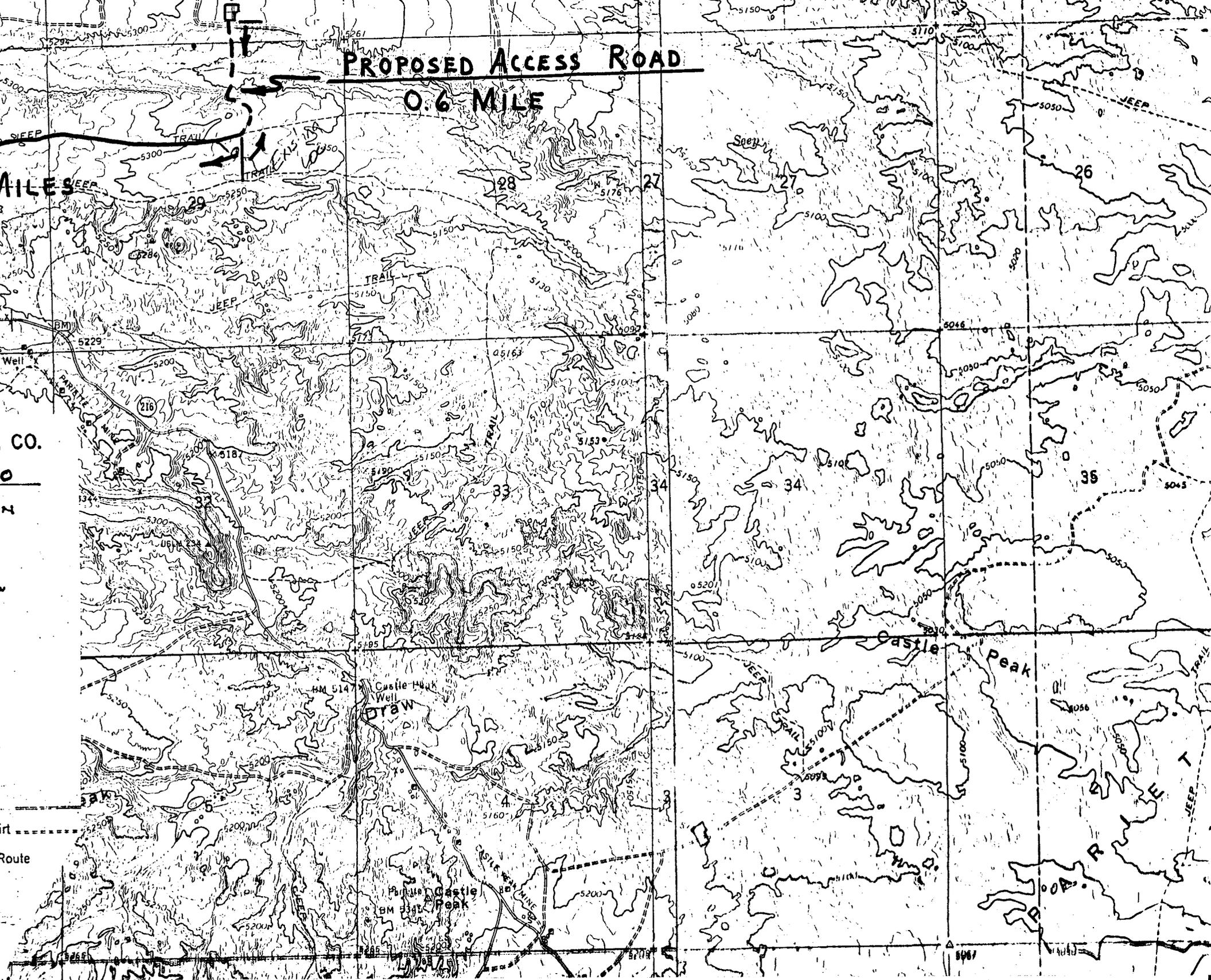
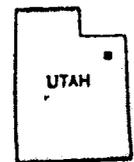
LOMAX EXPLORATION CO.
FEDERAL # 15-20
PROPOSED LOCATION

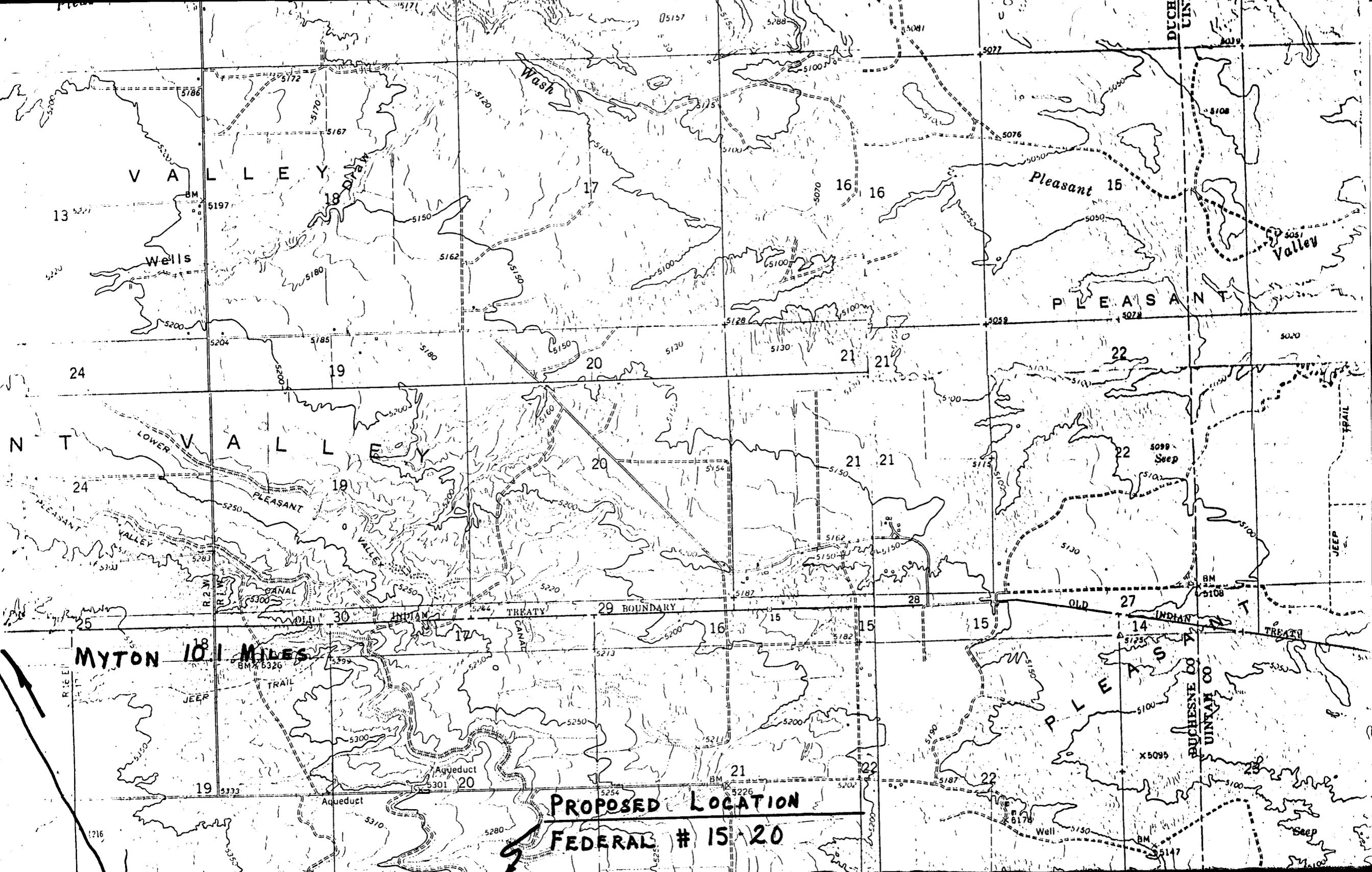


SCALE - 1" = 2000'

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty - - - - -
Medium-duty ——— Unimproved dirt - - - - -

U.S. Route State Route





PROPOSED LOCATION
FEDERAL # 15 20

MYTON 10.1 MILES

V A L L E Y

Pleasant 15

N T LOWER V A L L E Y

P L E A S A N T

Valley

PROPOSED LOCATION
FEDERAL # 15 20

MYTON 10.1 MILES

V A L L E Y

Pleasant 15

N T LOWER V A L L E Y

P L E A S A N T

Valley

** FILE NOTATIONS **

DATE: 5-12-82

OPERATOR: Loma Exploration Co.

WELL NO: Federal # 15-20

Location: Sec. 20 T. 85 R. 17E County: Richmond

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-013-30667

CHECKED BY:

Petroleum Engineer: _____

Director: OR as per rule C-3

Administrative Aide: OR as per Rule C-3

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

May 13, 1982

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Federal 15-20
Sec. 20, T. 8 S, R. 17 E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30667.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight
Director

CBF/as
Encl.

cc: Minerals Management Service

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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 Lomax Exploration Company

3. ADDRESS OF OPERATOR
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17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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 N/A

19. PROPOSED DEPTH
 6000

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GL 5288

22. APPROX. DATE WORK WILL START*
 August, 1982

5. LEASE DESIGNATION AND SERIAL NUMBER
 U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 MAY 6

7. UNIT AGREEMENT NAME
 SALT LAKE C.

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 #15-20

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 20, T8S, R17E

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

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	300 sx
7 7/8	5 1/2	15.50	TD	As needed - CEMENT

SHOULD PROTECT OIL SHALE STIPS

RECEIVED

SEP 21 1982

DIVISION OF OIL, GAS & MINING

MINERALS MANAGEMENT SERVICE OIL & GAS OPERATIONS RECEIVED
 MAY 6 1982
 SALT LAKE CITY, UTAH

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 G.L. Pruitt TITLE Mgr. Drlg. & Prod. DATE May 5, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED W.P. Mouton FOR E. W. GUYNN
 TITLE DISTRICT OIL & GAS SUPERVISOR DATE SEP 17 1982

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

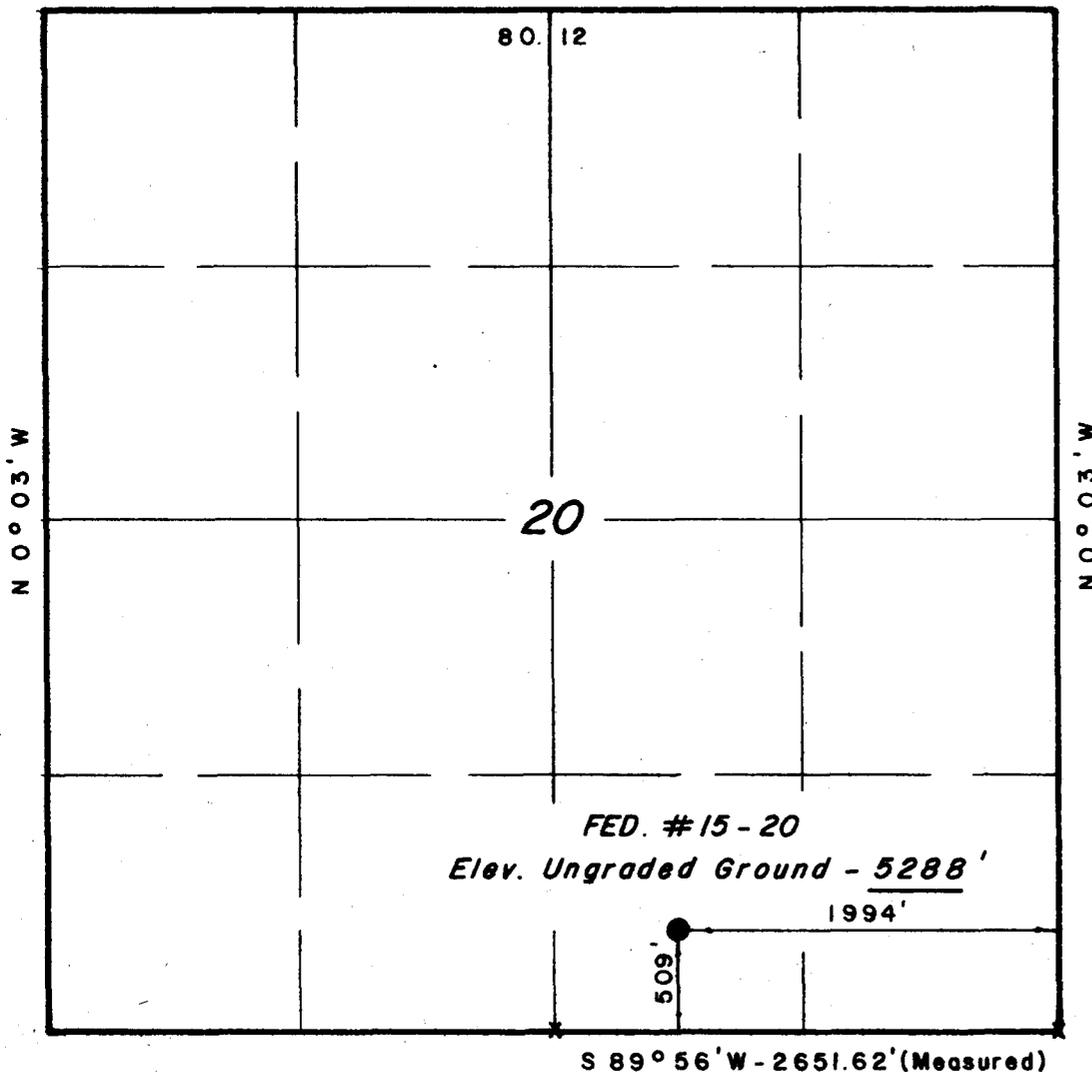
State of G

T 8 S , R 17 E , S . L . B . & M .

PROJECT

LOMAX EXPLORATION CO.

Well location, FED. # 15-20,
located as shown in the SW 1/4
SE 1/4 Section 20, T 8 S, R 17 E,
S.L.B. & M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

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

Lawrence C. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	4 / 15 / 82
PARTY	R.K. B.K. L.Z.	REFERENCES	GLO Plat
WEATHER	Warm	FILE	LOMAX



LOMAX EXPLORATION CO.
 FED. # 15-20
 PROPOSED LOCATION



TEN POINT WELL PROGRAM

Lomax Exploration Company
Federal #15-20
SW/SE Section 20, T8S, R17E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0-2775
Green River	2775
Wasatch	5825

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

Green River	2775	
H zone	3125	- Sand & shale - possible oil & gas shows
J zone	4025	- Sand & shale - oil & gas shows anticipated
M zone	5225	- Sand & shale - primary objective - oil

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'
5 1/2", J-55, 15.50#, STC; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and weighted up with KCl as needed for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

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

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately August, 1982.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Federal #15-20

Located In

Section 20, T8S, R17E, S.L.B.& M.

Duchesne County, Utah

LOMAX EXPLORATION
Federal #15-20
Section 20, T8S, R17E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Federal #15-20, located in the SW 1/4 SE 1/4 Section 20, T8S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 49.0 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 6.9 miles to its junction with an existing dirt road to the East; proceed Easterly along this road 1.4 miles to its junction with the proposed access road to be discussed in Item #2).

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

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

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SW 1/4 NE 1/4 Section 29, T8S, R17E, S.L.B. & M., and proceeds in a Northerly direction approximately 0.6 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

If deemed necessary at the time of the onsite inspection turnouts will be constructed for safety purposed. These turnouts will be constructed according to the specifications found on Page 25 of the Oil & Gas Surface Operating Standards Manual prepared by the B.L.M. and U.S.G.S.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There is one dry hole, the Pacific Transmission #32-29, about 3500' South of the proposed location.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no existing LOMAX EXPLORATION wells within a one mile radius of this location site.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing well in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 12.1 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

LOMAX EXPLORATION
Federal #15-20
Section 20, T8S, R17E, S.L.B. & M.

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

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

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.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site .

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A"):

The area is a large basin formed by the Uinta Mountains to the North and the Hook Cliff Mountains to the South. The Green River is located approximately 16 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

LOMAX EXPLORATION
Federal #15-20
Section 20, T8S, R17E, S.L.B.& M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B"):

Federal #15-20 is located approximately 2.0 miles North of Castle Peak Draw a non-perennial drainage which runs to the North and East.

The terrain in the vicinity of the location slopes from the West through the location site to the East at approximately 1.9 grade.

The vegetation in the immediate area surrounding the location site consists of hay fields.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt
LOMAX EXPLORATION
333 North Belt East, Ste. 880
Houston, TX 77060

1-713-931-9276

LOMAX EXPLORATION
Federal #15-20
Section 20, T8S, R17E, S.L.B.& M.

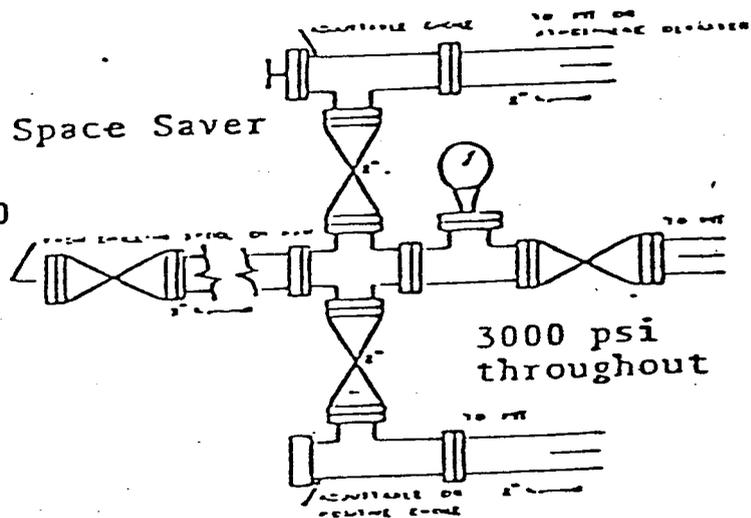
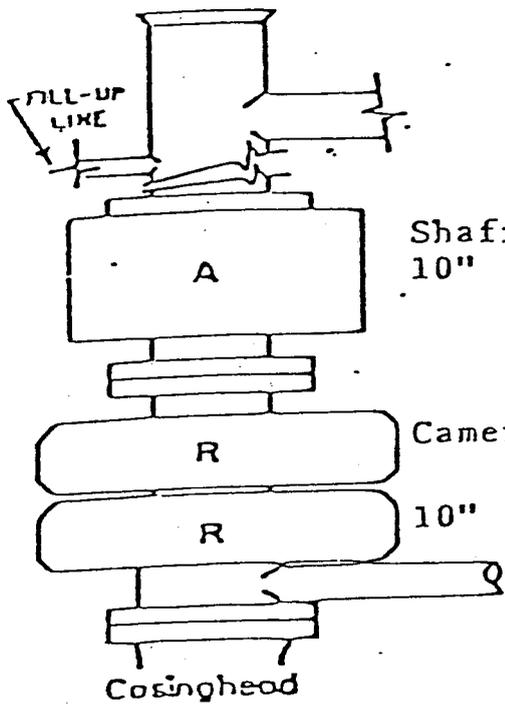
13. CERTIFICATION

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 presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

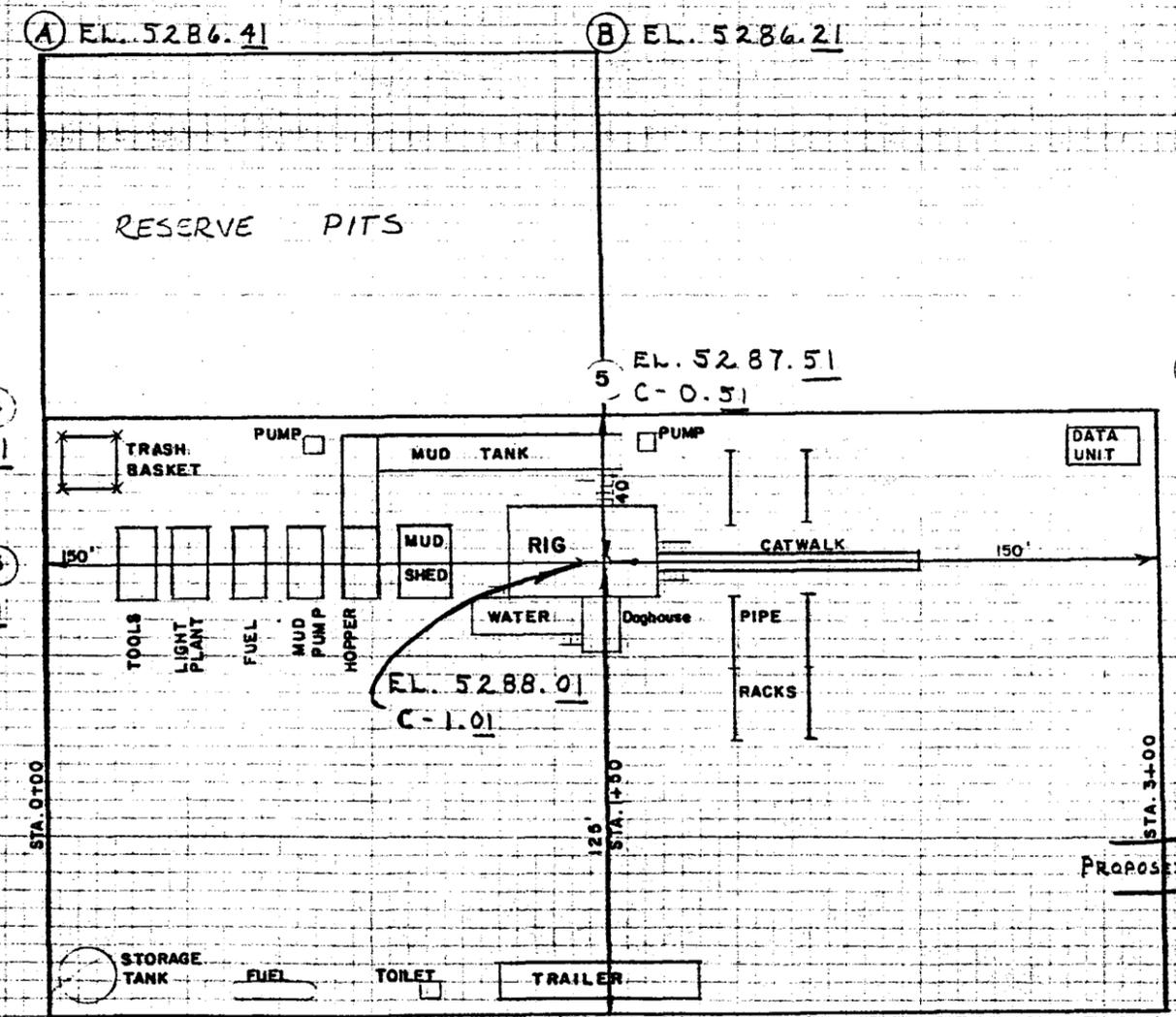
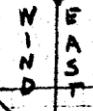
.....
Date

5/5/82

.....
Jack Pruitt



SCALE 1" = 50'



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C-0.41

3 EL. 5288.01
C-1.01

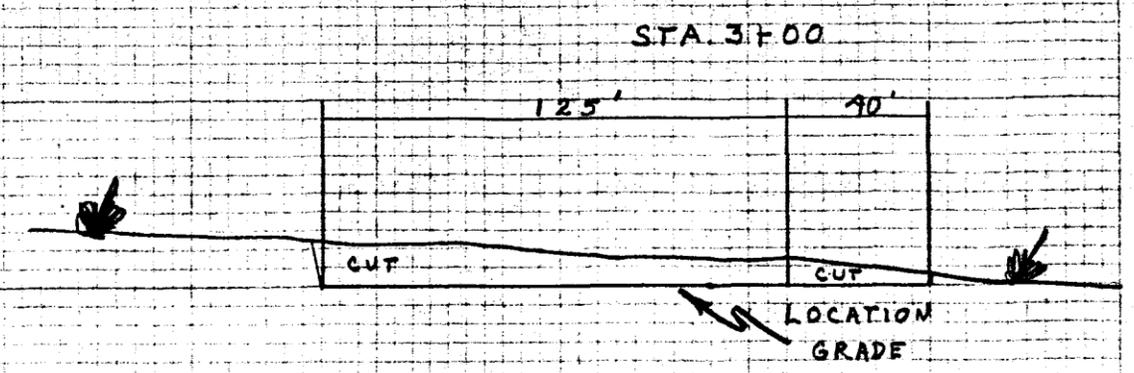
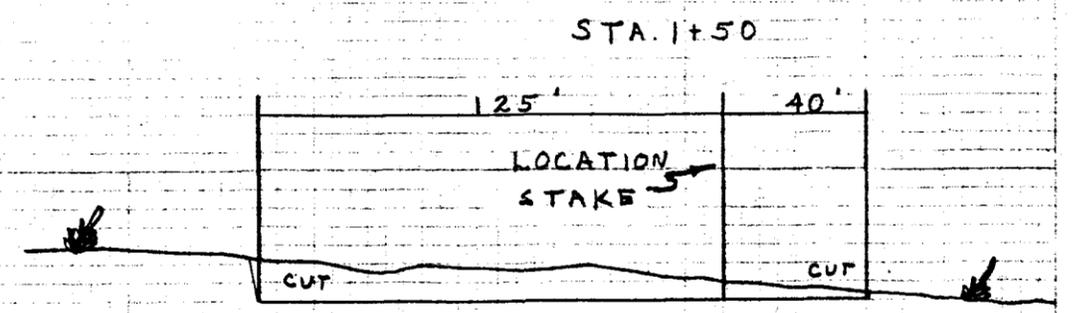
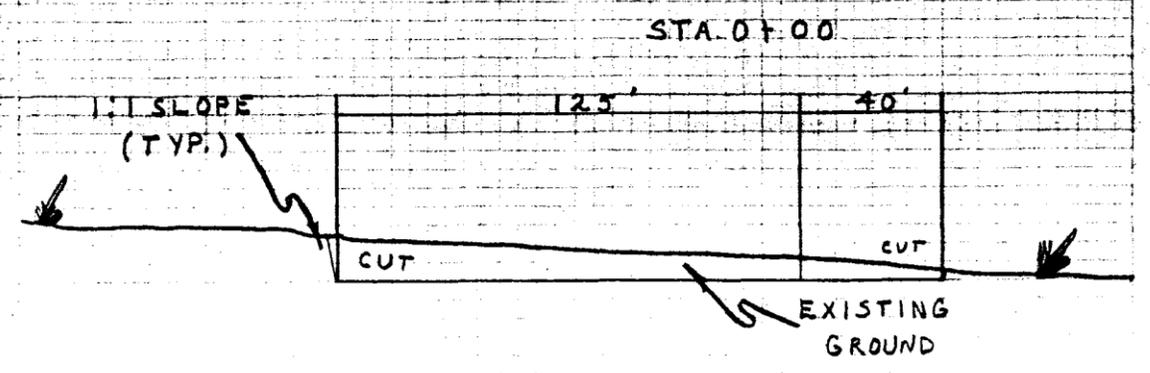
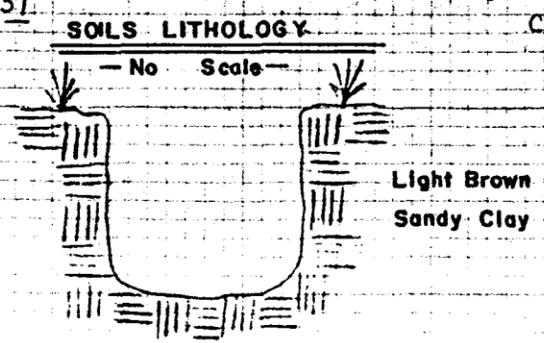
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C-0.81

7 EL. 5288.41
C-1.41

2 EL. 5289.51
C-2.51

1 EL. 5289.71
C-2.71

8 EL. 5289.61
C-2.61



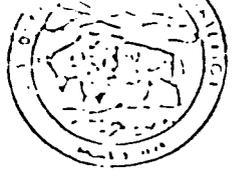
1" = 10'
SCALES
1" = 50'

APPROXIMATE YARDAGES
Cubic Yards of Cut - 3,012
Cubic Yards of Fill - 0,000

Lomax Exploration Company
Well No. 15-20
Section 20-T8S-R17E
Duchesne County, Utah
Lease No. U-50376

Supplemental Stipulations:

1. Traveling off the access road right-of-way will not be allowed. The maximum width of access roads, both existing and planned, will be 30 feet total disturbed area. Turn-outs will not be required.
2. The top 6 to 10 inches of topsoil will be stockpiled at point #1 of the applicant's 13 Point Plan.
3. Burn pits will not be constructed. There will be no burying of garbage or trash at the well site. No trash will be thrown in the reserve pit. Refuse will be contained in and hauled to the nearest sanitary landfill.
4. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pit.
5. All permanent structures, onsite for 6 months duration or longer, constructed or installed, including the pumpjack, will be painted a flat, non-reflective earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities will be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. standards are excluded.
6. Muffler systems will be installed on all pumping units.
7. The BLM will be contacted at least 24 hours prior to any rehabilitation.
8. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. See attached tentative casing and cementing program for the Uinta Basin.



GEOLOGICAL SURVEY

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

March 31, 1980

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement metal baskets or equivalent as described below and on attached sketches:

1. Cement first stage through the casing shoe using 150 percent of the calculated volume of cement to fill annulus back to base of lower aquifer.
2. Place 1st stage collar (with metal basket immediately below) at a selected point in the lower one third of the oil shale zone using 120% of calculated volume of cement to be at least 600 feet above the stage collar or 100 feet below the top of the oil shale.
3. Place 2nd stage collar (with metal petal basket immediately below) 50 feet above the top of the top aquifer and cement using 150% volume of cement to at least 300 feet above the stage collar.

C. The above is an example. Reasonable equivalents that accomplish these same protective measures, depending on the individual cases will be considered for approval.

D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

E. The Operator of such well should notify that U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinia Basin.

E. W. Gynn
District Engineer

AMR/kr

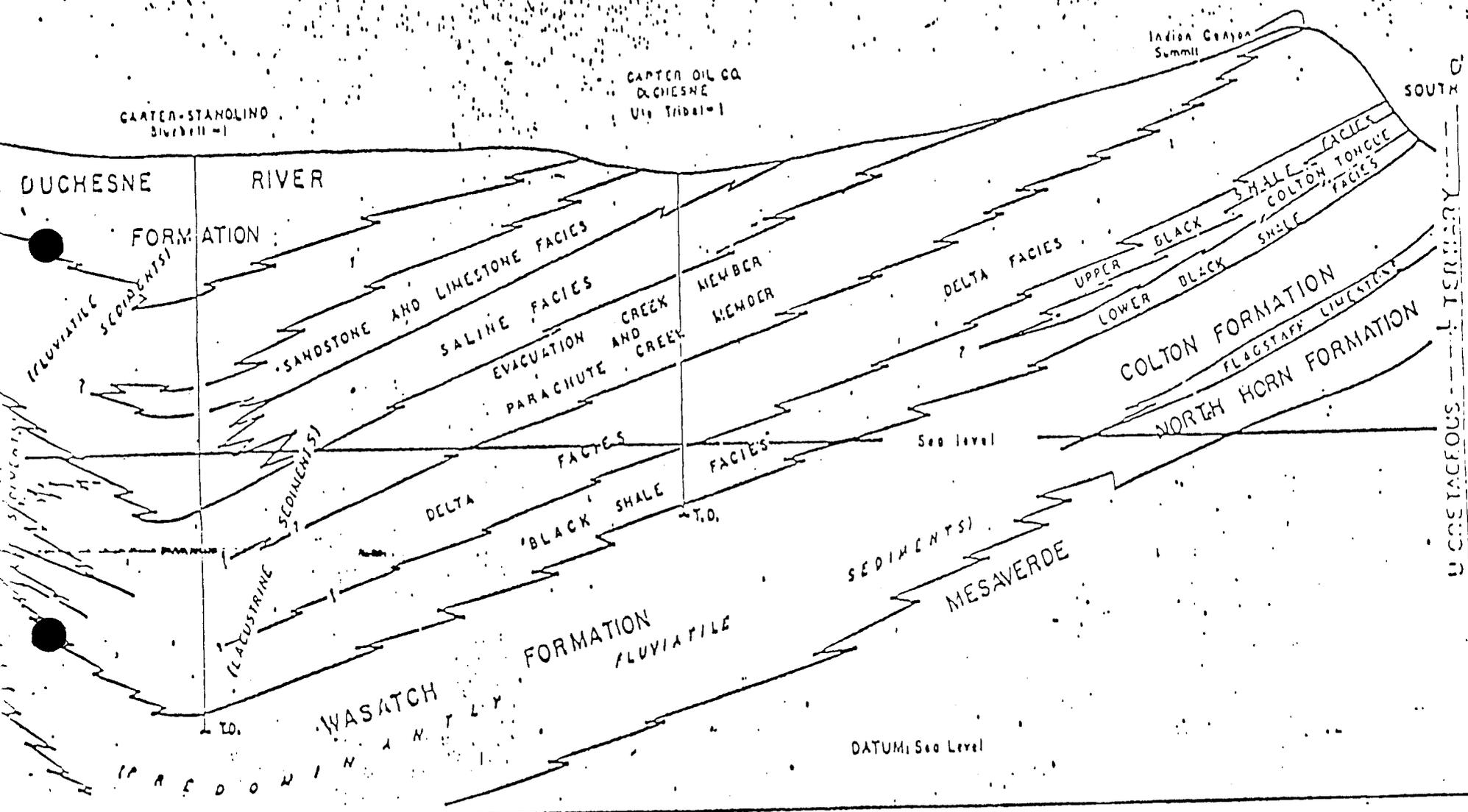
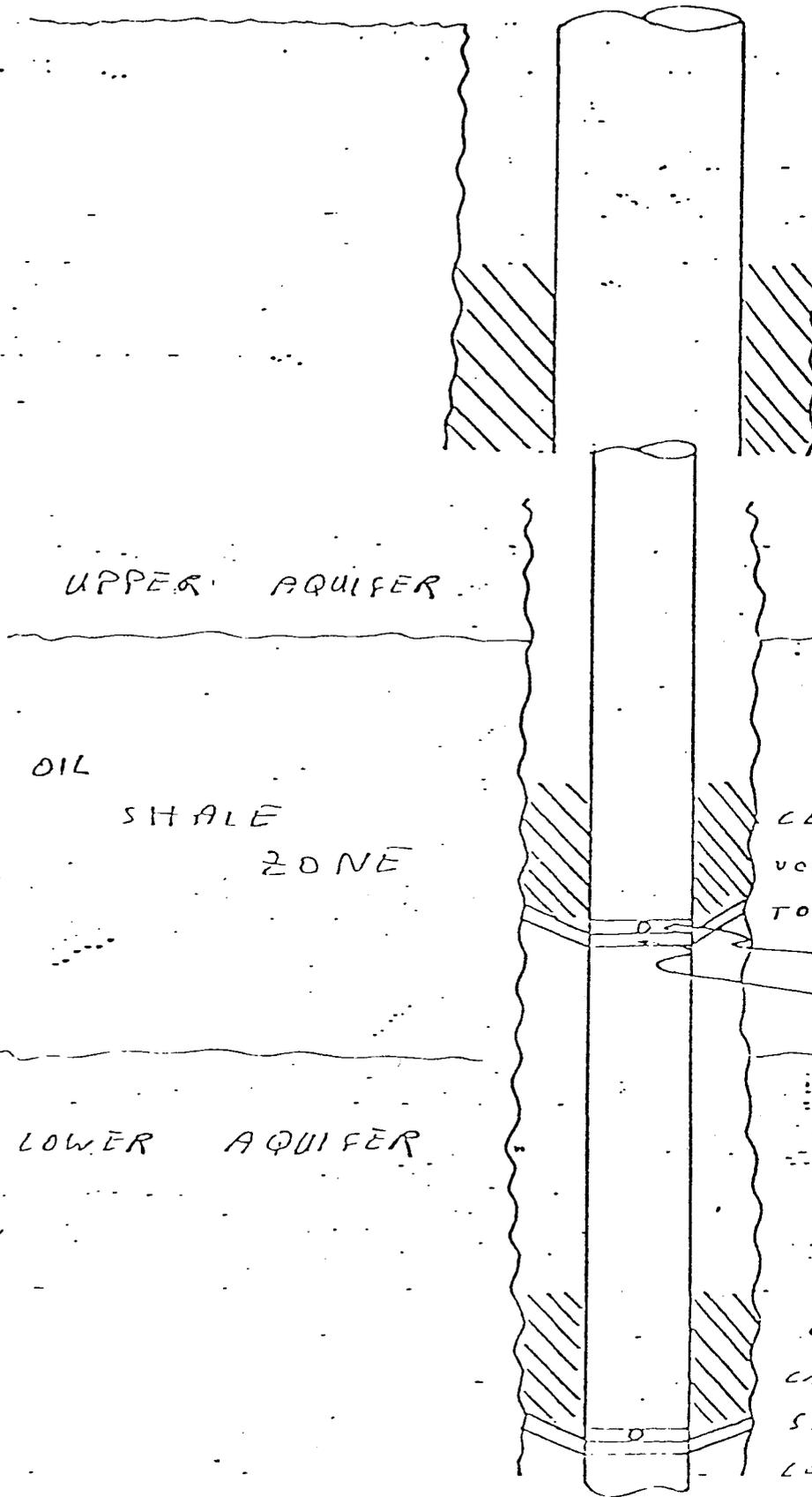


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

PARTIAL CASING AND CEMENTING PROGRAM FOR WELLS IN THE UINTA BASIN

CEMENT TO BE PLACED ALONG LOW PERMEABILITY SECTIONS



- NO SCALE

CEMENT VOLUME \approx
CALCULATED VOL. FR
CASING SHOE TO 300'
ABOVE IT. 350% EX

UPPER AQUIFER

OIL
SHALE
ZONE

LOWER AQUIFER

CEMENT VOL. \approx CALCULATED
VOLUME FROM STAGE COLLAR
TO 500' ABOVE IT + 20%

STAGE COLLAR
CEMENT BASQUET

CEMENT VOLUME \approx
CALCULATED VOLUME FROM
STAGE TO BASE OF
LOWER AQUIFER + 50%

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION COMPANY

WELL NAME: BOUNDARY BUTTE FEDERAL # 15-2

SECTION SWSE 20 TOWNSHIP 8S RANGE 17E COUNTY DUCHESNE

DRILLING CONTRACTOR Orian

RIG # 1

SPUDDED: DATE 6-30-83

TIME 5:30 AM

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY MICHELLE

TELEPHONE # 713-931-9276

DATE 7-1-83 SIGNED CF

NOTICE OF SPUD

Company: Tomay Expl. Co.

Caller: Michelle

Phone: 713-931-9276

Well Number: 15-20

Location: SW/4 SE/4 220, T. 8S, R. 17E

County: Dubuque State: UT

Leasé' Number: 11-50376

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6-30-83 5:30 AM.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" to 283'

Rotary Rig Name & Number: Arvin # 3

Approximate Date Rotary Moves In: 6-29-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy Beart

Date: 7-1-83

cc: well file
WAT st. oil & Gas
BCM, Vernal
TAT

July 7, 1983

Minerals Management Service
1745 West 1700 South
Room 2000
Salt Lake City, Utah 84104

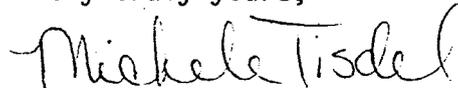
Boundary Federal #15-20
SW/SE Section 20, T8S, R17E
Duchesne County, Utah

Gentlemen:

Enclosed is a Sundry Notice for Spud Notification on the subject well.

Please advise if you need additional information.

Very truly yours,



Michele Tisdel
Sec. Drilling & Production

.MT
Enclosures (3)

✓cc: State of Utah
Division of Oil and Gas
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED
JUL 11 1983

**DIVISION OF
OIL GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 509' FSL & 1994' FEL SW/SE
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Boundary Federal

9. WELL NO.
15-20

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 20, T8S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.
43-013-30667

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5288' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Spud Notification			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

12/17/83 Drill 12 1/4" hole to 295' w/dry hole digger. Ran 8 5/8" 24# J-55 ST&C casing. Landed casing @ 283'. Cement w/210 sx class "G" + 2% CaCl + 1/4#/sx flocele. Cement returns to surface.

6/30/83 Spud @ 5:30 A.M. with Orion Rig #1.

RECEIVED
JUL 11 1983

DIVISION OF
OIL GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] G.L. Pruitt TITLE V.P. Drlg. & Prod. DATE July 6, 1983

(This space for Federal or State office use)

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

74
15

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 509' FSL & 1994' FEL SW/SE
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-013-30667 **DATE ISSUED** 5/13/83

5. LEASE DESIGNATION AND SERIAL NO. 11-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Boundary Federal

9. WELL NO. 15-20

10. FIELD AND POOL, OR WILDCAT Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 20, T8S, R17E

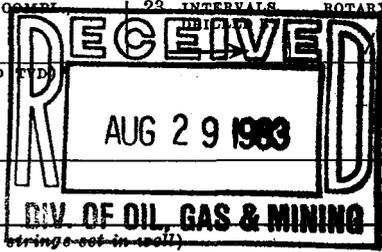
12. COUNTY OR PARISH Duchesne **13. STATE** Utah

15. DATE SPUNDED 6/30/83 **16. DATE T.D. REACHED** 7/9/83 **17. DATE COMPL. (Ready to prod.)** 8/5/83 **18. ELEVATIONS (DF, RKB, BT, GR, ETC.)*** 5288' GR **19. ELEV. CASINGHEAD** 5288'

20. TOTAL DEPTH, MD & TVD 6910' **21. PLUG, BACK T.D., MD & TVD** 6769 **22. IF MULTIPLE COMPLETIONS, HOW MANY*** N/A **23. INTERVALS** **ROTARY TOOLS** **CABLE TOOLS**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Green River 5789-5846 **25. WAS DIRECTIONAL SURVEY MADE** No

26. TYPE ELECTRIC AND OTHER LOGS RUN ~~CDL-CNL, DTL-DLS, CBL~~ **27. WAS WELL CORED** No



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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	283	12 1/4	210 sx cl "G" 2% CaCl + 1/4#/sx flocele	
5 1/2	17	6893	7 7/8	350 sx Lodense & 300 sx Gypseal	

29. LINER RECORD **30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5893	

31. PERFORATION RECORD (Interval, size and number)

5789-92 (1 SPF)	
5802-16 (")	
5824-46 (")	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5789-5846	48,670 gals gelled KCl water & 153,360# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8/5/83	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/24/83	24	Open	→	23	NM	NM	NM

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
0	0	→	23	NM	NM	34

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

35. LIST OF ATTACHMENTS

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

SIGNED G. L. Pruitt TITLE V.P. Drilling & Production DATE 8/25/83

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
See attached sheet.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA
Sec. 20 & 21, 8S-17E

12. COUNTY OR PARISH 18. STATE
Duchesne Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
50 W. Broadway, Suite 1000, Salt Lake City, Utah 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

See attached sheet.

14. PERMIT NO.
See attached sheet.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
See attached sheet.

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"/>
FRAC TURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Construct gas gathering system <input checked="" type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRAC TURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

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

Construct a gas gathering system for the subject wells. The system will consist of an 8" main line and with the exception of the #7-20 Well, a 3" feeder line from each well to the main line. The #7-20 Well will have a 4" feeder. The 8" main line will tie into a compressor/gas processing plant in the SE/SE of Section 20. A 4" surface line will transport the gas from the compressor site to the lease boundary. The 3" and 4" feeder lines, as well as the 8" main line, will be buried. A 3" gas fuel line will also be buried in the same ditch. The compressor site will contain a compressor (housed), condensate storage tank or tanks, gas separator, gas processing plant and generator (housed). The compressor site will occupy approximately two (2) acres. Initial volumes of gas to be transported will be approximately 1,500 MCFD. Construction will begin upon receipt of approval. See attached plat.

RECEIVED

MAY 29 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED David D. Perkins
(This space for Federal or State office use)

TITLE District Landman

DATE May 16, 1984

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Attached to that certain Sundry Notice dated May 16, 1984 for the Boundary Federal #7-20, #9-20, #15-20, #11-21 & #13-21 Wells on Lease U-50376.

Item 4. - Location of well:

#7-20 - 1941' FNL, 2059' FEL, Section 20, T8S-R17E
#9-20 - 1947' FSL, 650' FEL, Section 20, T8S-R17E
#15-20 - 509' FSL, 1994' FEL, Section 20, T8S-R17E
#11-21 - 1915' FSL, 2076' FWL, Section 21, T8S-R17E
#13-21 - 515' FSL, 517' FWL, Section 21, T8S-R17E

Item 9. - Well No.:

Boundary Federal #7-20
Boundary Federal #9-20
Boundary Federal #15-20
Boundary Federal #11-21
Boundary Federal #13-21

Item 14. - Permit No.:

#7-20 - 43013-30750
#9-20 - 43013-30690
#15-20 - 43013-30667
#11-21 - 43013-30752
#13-21 - 43013-30665

Item 15. - Elevations:

#7-20 - 5279 GR
#9-20 - 5266 GR
#15-20 - 5288 GR
#11-21 - 5240 GR
#13-21 - 5258 GR

A N T V A L L E Y

RIFE

TBS

7-20 3" Buried
4" Buried
8" Buried, 3" Buried

9-20
11-21
NM 44 11" E

13-21
COMPASSION SITE

15-20
4" SURFACE

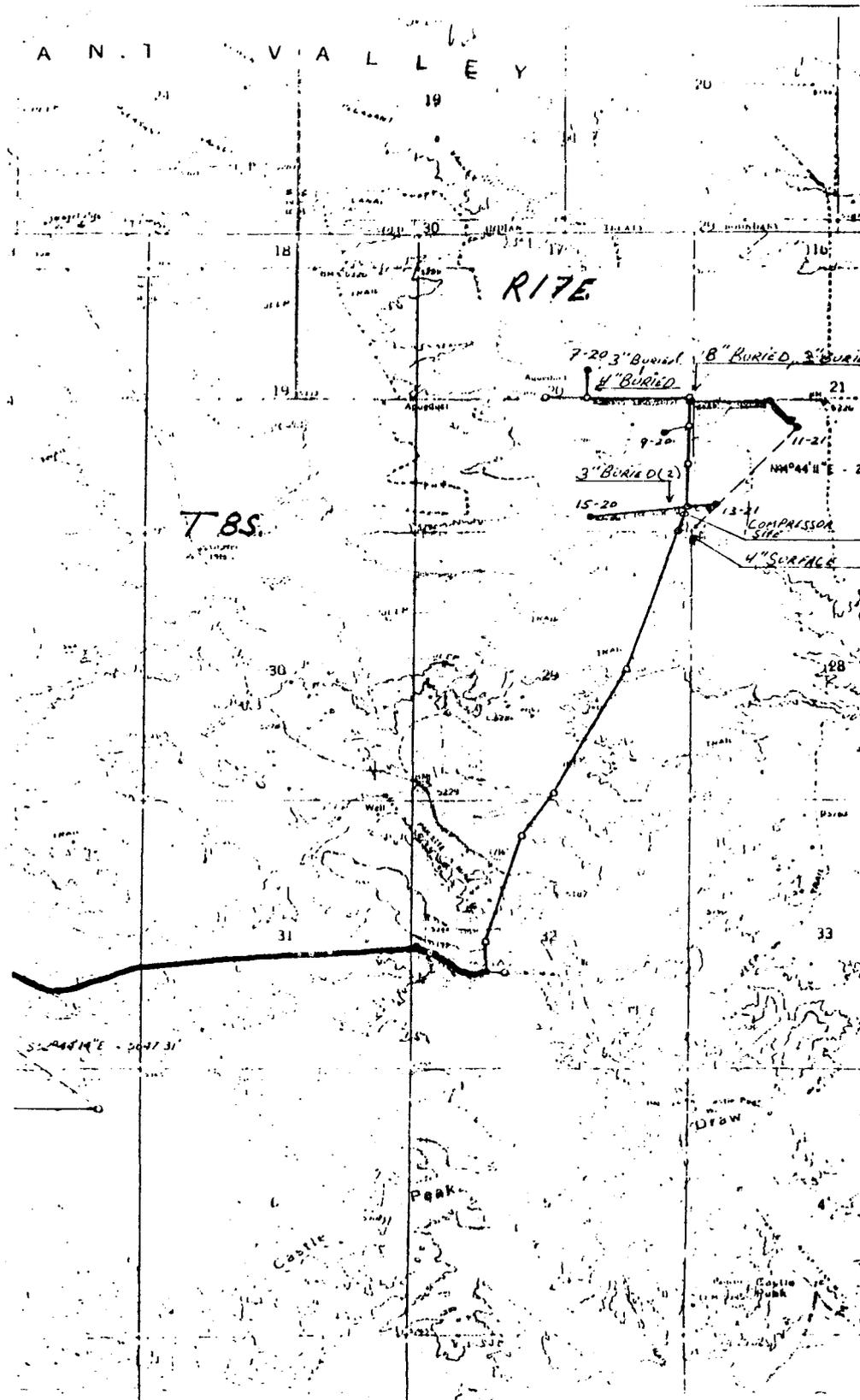
S 20 44 11" E - 20 47 31'

Draw

Peak

Castle

Castle Peak





RECEIVED

SEP 10 1985

DIVISION OF OIL
GAS & MINING

September 9, 1985

State of Utah
Division of Oil, Gas & Mining
355 N.W. Temple
Three Triad Center - Suite 350
Salt Lake City, Utah 84180-1203
Attn: Ron Firth

Gas Tests - August 1985

Dear Mr. Firth:

Please find enclosed our gas tests for the month of August 1985 and the appropriate curtailment schedules.

Please advise if further information is required.

Very truly yours,

LOMAX EXPLORATION COMPANY

A handwritten signature in black ink, appearing to read "Jodie S. Faulkner". The signature is fluid and cursive, with a large initial "J" and "F".

Jodie S. Faulkner
Production Technician

cc: W. Carothers
Bill K. Myers
Cheryl Cameron

JSF/jc



RECEIVED

NOV 13 1985

DIVISION OF OIL
GAS & MINING

November 11, 1985

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

Re: Boundary Fed. #15-20
Sec. 20, T8S, R17E
Temporarily Abandon

Gentlemen:

Please find enclosed the original and two (2) copies of notice to temporarily abandon the above subject well.

Please advise if you need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Jodie S. Faulkner". The signature is fluid and cursive.

Jodie S. Faulkner
Production Technician

cc: ~~State of Utah~~
Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Lomax Exploration - Roosevelt

JSF/jc

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

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different zone. Use "APPLICATION FOR PERMIT—" for such proposals.)

NOV 13 1985

3. LEASE DESIGNATION AND SERIAL NO.
U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Boundary Federal

9. WELL NO.
15-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLE. AND SUBST OR AREA
Sec. 20, T8S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
50 W. Broadway-Suite 1200, Salt Lake City, UT 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

509' FSL & 1994' FEL SW/SE

14. PERMIT NO.
43-013-30667

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5288' GR

DIVISION OF OIL
GAS & MINING

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"/>	FULL 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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Temporarily Abandoned</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

The subject well was temporarily abandoned on 2/06/85 due to uneconomical production rates. Permanent abandonment is pending further evaluation.

Federal approval of this action is required before commencing operations.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING

DATE 11/15/85
BY John R. Day

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

SIGNED [Signature]

TITLE Production Technician

DATE Nov. 11, 1985

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

SEP 10 1985

Well Name	DIVISION OF OIL GAS & MINING	TEST				CURRENT MONTH (bbls oil)			Next Month ² Ceiling
		Date	BOPD	MCFD ¹	GOR	Production Ceiling	Actual Production	Over (Under)	
Boundary Federal	# 9-20	SHUT IN				NA	NA	NA	NA
85: 17E-20	POW 15-20	SHUT IN				NA	NA	NA	NA
Brennan Bottom	# 15-8	8/08/85	14	8	555	NA	NA	NA	NA
	2-20	8/03/85	50	62	1233	NA	NA	NA	NA
	5-21	8/06/85	13	19	1412	NA	NA	NA	NA
Brundage Canyon	# 16-2	8/06/85	21	129	6188	745	493	(252)	740
	14-15	8/17/85	8	67	8413	NA	NA	NA	NA
	16-16	8/14/85	24	37	1579	NA	NA	NA	NA
	8-21	8/19/85	92	165	1805	NA	NA	NA	NA
	4-22	8/16/85	36	95	2610	NA	NA	NA	NA
S. Brundage Canyon	# 1-29	8/28/85	14	29	2056	NA	NA	NA	NA
	1-30	8/08/85	10	30	3124	NA	NA	NA	NA
Castle Peak Federal	#12-24	SHUT IN				NA	NA	NA	NA
S. Cottonwood Ridge	# 1-19	8/07/85	44	27	609	NA	NA	NA	NA
	1-20	8/09/85	41	24	581	NA	NA	NA	NA
Coyote Canyon Ute	# 10-9	8/03/85	46	75	1626	NA	NA	NA	NA
	16-12	8/02/85	79	36	455	NA	NA	NA	NA
	4-18	SHUT IN				NA	NA	NA	NA

- 1. Flared or Vented
- 2. Incorporates GOR formula & over/under amount

Signature: [Signature]
 Title: PROD TEAM

Date: 9-9-85



RECEIVED

JAN 29 1986

DIVISION OF OIL
GAS & MINING

January 28, 1986

STATE OF UTAH
Division of Oil, Gas & Mining
355 West North Temple
Three Triad Center - Suite 350
Salt Lake City, UT 84180-1203
Attn: Claudia Jones

RE: Monthly Production Reports

Dear Ms. Jones:

Enclosed is the 'Monthly Oil and Gas Production Report' for the month of December 1985.

NO. 1551
Per our discussion, I've also enclosed copies of Sundry Notices for Boundary Federal #15-20 and River Junction #11-18. Please note that these locations have been temporarily abandoned and can be removed from our list of operating wells.

I apologize for the 'sloppyness' of this report. As you can see, I've crossed out some information that I was previously going to report. This was prior to our conversation, after which I realized that these were not necessary on this report for 12/85. However, for your information, the Boundary Federal #5-21 was never actually completed and placed on production. The S. Brundage #4-27 was not placed on production until 1/86 and will be reflected on the appropriate reporting period.

If there are any questions, please give me a call.

Very truly yours,

Jodie S. Faulkner
Production Technician

Enclosures

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

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different geologic. Use "APPLICATION FOR PERMIT—" for such proposals.)

NOV 15 1985

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Lomax Exploration Company		8. FARM OR LEASE NAME Boundary Federal	
3. ADDRESS OF OPERATOR 50 W. Broadway-Suite 1200, Salt Lake City, UT 84101		9. WELL NO. 15-20	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 509' FSL & 1994' FEL SW/SE		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. 43-013-30667		12. COUNTY OR PARISH Duchesne	
15. ELEVATIONS (Show whether OF, FT, GR, etc.) 5288' GR		18. STATE Utah	

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"/>	FULL 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"/>
SMOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SMOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Temporarily Abandoned</u> <input checked="" type="checkbox"/>	

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

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

The subject well was temporarily abandoned on 2/06/85 due to uneconomical production rates. Permanent abandonment is pending further evaluation.

RECEIVED

JAN 29 1986

DIVISION OF OIL GAS & MINING

RECEIVED NOV 18 1985

LOMAX EXPLORATION

Federal approval of this action is required before commencing operations.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING DATE 11/15/85 BY John R. Dyer

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

SIGNED [Signature] TITLE Production Technician DATE Nov. 11, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 21, 1986

Ms. Jodie S. Faulkner
Lomax Exploration Company
50 West Broadway, Suite 1200
Salt Lake City, Utah 84101

Dear Jodie:

Re: Boundary Fed 15-20 Well - Sec. 20, T. 8S., R. 17E.
Federal 11-18 Well - Sec. 18, R. 9S., R. 20E.

Receipt of your letter of January 28, 1986 and copies of the Sundry Notices and Reports on Wells for the above referenced wells is hereby acknowledged.

Rule 315(i), the Oil and Gas Conservation General Rules (copy enclosed), explains the necessity of certain plugging procedures to qualify a well for temporarily abandoned status. Therefore; it will be necessary for the Boundary Federal 15-20 and the Federal 11-18 wells to continue to be reported on the Monthly Oil and Gas Production Report as shut-in wells.

If you have any further questions about this matter, please call this office at 538-5340.

Respectfully,

Norman C. Stout
Administrative Assistant

clj
cc: Dianne R. Nielson
Ronald J. Firth
File
Suspense File
0063S/23

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

111903

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Temporarily Abandoned		5. LEASE DESIGNATION AND SERIAL NO. U-50376
2. NAME OF OPERATOR LOMAX EXPLORATION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 50 West Broadway, Ste. #1200, Salt Lake City, UT 84101		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 509' FSL & 1994' FEL SW/SE		8. FARM OR LEASE NAME Boundary Federal
14. PERMIT NO. 43-013-30667		9. WELL NO. #15-20
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5288' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T8S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Temporarily Abandoned</u>	

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

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

The subject well was temporarily abandoned on 2/6/85 due to uneconomical production rates. Further extension is requested due to economical reasons. Permanent abandonment is pending further evaluation.

RECEIVED
NOV 17 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Production Technician DATE 11/13/86
(This space for Federal or State office use)

APPROVED BY _____ TITLE ACCEPTED BY THE STATE
CONDITIONS OF APPROVAL, IF ANY: OF UTAH DIVISION OF
OIL, GAS, AND MINING

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side
DATE 11-17-86
BY: [Signature]

11-24-86

Note to well records staff:

The attached document requests a well status of temp. aban. for the referenced well. Because of the differences between DOGM well status categories and those defined by the BLM or other agencies and because of the various reasons operators choose to categorize wells in certain ways, we should neither acknowledge this well status nor require any other information from the operator. The well status which will be shown in DOGM records (well file, turnaround document, etc.) is Shut-in. If additional information or verification of this well status is necessary, please contact me or R.J. before initiating any written or verbal contact with the operator.

John Baza

Lomax Exploration Company

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



October 7, 1991

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Dan Jarvis

Boundary Federal #15-20
SW/SE Sec 20, T8S, R17E
Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" subsequent report on the casing integrity test regarding the above referenced well and the notice of the intention of the operator to install temporary production equipment to test production.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mecham".

Brad Mecham
Regional Production Manager

/ln

Enclosure

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

N0580

LOMAX TEST REPORT

Month of November 1987

Well Name	TEST				CURRENT MONTH (bbls oil)			Next Month ² Ceiling
	Date	BOPD	MCFD ¹	GOR	Production Ceiling	Actual Production	Over (Under)	
43-013-30690.50w 8517E 20 Boundary Federal #9-20	Temporarily Abandoned							
8517E 20								
43-013-30667.50w #15-20	Temporarily Abandoned							
43-047-31272 Pow 1521E 8								
Brennan Bottom #15-8	11-25-87	7	1	171	NA	NA	NA	NA
43-013-30756 Pow 554w 2								
Brundage Canyon #16-2	11-10-87	5	44	8784	NA	NA	NA	NA
554w 15								
43-013-30842 Pow #14-15	11-06-87	4	33	7904	NA	NA	NA	NA
554w 16								
43-013-30841 Pow #16-16	11-03-87	8	12	1536	NA	NA	NA	NA
554w 21								
43-013-30829 Pow #8-21	11-18-87	34	182	5360	868	790	(78)	800
554w 22								
43-013-30755 Pow #4-22	11-16-87	20	31	1514	NA	NA	NA	NA
S. Brundage Can. #4-27	11-05-87	61	97	1578	NA	NA	NA	NA
554w 29								
43-013-30964 Pow #1-29	11-13-87	7	5	816	NA	NA	NA	NA
554w 30								
43-013-30948 Pow #1-30	11-09-87	4	4	1024	NA	NA	NA	NA
43-013-30873 Pow 9516E 23								
Castle Peak Fed. #6-23	11-01-87	16	20	1250	NA	NA	NA	NA
9516E 23								
43-013-30662 Pow #7-23	11-01-87	9	28	3111	NA	NA	NA	NA
8517E 23								
43-047-31543 Pow #9-23	11-01-87	5	9	1800	NA	NA	NA	NA
9516E 24								
43-013-30588 Pow #12-24	SHUT-IN							
43-013-30933 Pow 554w 19								
S. Cottonwood R. #1-19	11-07-87	29	18	631	NA	NA	NA	NA
554w 20								
43-013-30966 Pow #1-20	11-05-87	24	14	604	NA	NA	NA	NA
43-013-30861 Pow 454w 9								
Coyote Canyon #10-9	SHUT-IN							
455w 12								
43-013-30922 Pow #16-12	SHUT-IN							

- Flared or Vented
- Incorporates GOR formula & over/under amount

Signature: [Signature]
 Title: Production Technician

Date: 12-18-87

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

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <u>Temporarily Abandoned</u>		5. LEASE DESIGNATION AND SERIAL NO. U-50376
2. NAME OF OPERATOR LOMAX EXPLORATION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 509' FSL 1994' FEL SW/SE		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-30667		9. WELL NO. #15-20
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5288' GL		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 20, T8S, R17E
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

18. **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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Casing Integrity Test</u> <input checked="" type="checkbox"/>	
(Other) <u>Install Temp. Prod. Equip</u> <input checked="" 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.)*

Lomax Exploration Company reports that on 9/28/91 a casing integrity test was conducted on the Boundary Federal #15-20 in the presence of the BLM as follows:
Filled the tbg w/3% KCL water. Pressure tested the casing to 1000#. Pressure was held for 30 min. w/no leak-off.

10/2/91
Operator plans to install a temporary flowline and tank to test production.

10/7/91
The Federal #15-20 was put on temporary production on 10/4/91 @ 1:00 p.m.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

RECEIVED
OCT 09 1991

DATE: 10-11-91
BY: [Signature] DIVISION OF

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

SIGNED Brad Mechem TITLE Regional Prod. Manager DATE 10/7/91

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Lomax Exploration Company

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



February 11, 1992

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Dan Jarvis

Boundary Federal #15-20
SW/SE Sec 20, T8S, R17E
Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" subsequent report of perforating & refracing the Lower Douglas Creek interval for the above referenced well.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mecham".

Brad Mecham
Regional Production Manager

/ln

Enclosure



FEB 18 1992

DIVISION OF
OIL GAS & MINING

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Lomax Exploration Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
509' FSL 1994' FEL SW/SE

14. PERMIT NO. 43-013-30667

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5288' GL

5. LEASE DESIGNATION AND SERIAL NO.
U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Boundary Federal

9. WELL NO.
#15-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 20, T8S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

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 checked="" 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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Lomax Exploration Company reports perforating and refracing the Lower Douglas Creek sands as follows:

1. Perforate w/4" gun 5824'-47', 5802'-16', 5787'-92' w/3 additional SPF.
2. Set PKR @ 5728' and breakdown perfs w/206 bbls of treated water & ball sealers.
3. POOH w/ PKR. Frac 5824'-47', 5802'-16' & 5787'-92' with 62,700 gals of gelled fluid; 30,000# of 20/40 sand; 137,000# of 16/30 sand.
4. Put well back on production on 2/7/92.



FEB 18 1992

DIVISION OF
OIL GAS & MINING

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

SIGNED *R. McLean* TITLE Regional Production Mgr. DATE 2/10/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES
 LOMAX EXPLORATION COMPANY
 PO BOX 1446
 ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT (Highlight Changes)

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
CASTLE PK FED 12-24 4301330588 02650 09S 16E 24	GRRV			115855		
FEDERAL 9-23 4301330654 02655 09S 16E 23	GRRV			"		
FEDERAL 13-21 4301330665 02660 08S 17E 21	GRRV			1150376		
FEDERAL #1-1 4301330571 02685 09S 16E 1	GRRV			1140652	1172104	Lease Segregated
BOUNDARY FEDERAL 7-20 4301330750 08407 08S 17E 20	GRRV			1150376		
BOUNDARY FEDERAL 9-20 4301330690 08408 08S 17E 20	GRRV			"		
UNDARY FEDERAL 15-20 4301330667 08409 08S 17E 20	GRRV			"		
CASTLE PEAK FED 6-23 4301330873 09700 09S 16E 23	GRRV			115855		
WELLS DRAW STATE 7-36 4301330934 09730 08S 15E 36	GRRV			1121835		
PLEASANT VALLEY #1 4301330394 10520 08S 16E 21	GRRV			11071572A	115L-071572A	
JENSEN #1 4301316208 10521 08S 16E 21	GRRV			115L071572A		
LAMBERT FEDERAL #1 4301316207 10522 08S 16E 22	GRRV			11065914	115L-065914	
FEDERAL 6-33 4301330747 10628 08S 16E 33	GRRV			1134173		
TOTALS						

COMMENTS: _____

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

Name and Signature: _____ Telephone Number: _____

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



July 13, 1995

State of Utah Department of Natural Resources
Attention: Ms Becky Pritchett
355 W. North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204

RE: Corporate Name Change

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

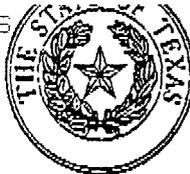
Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Chris A Potter".

Chris A Potter, CPL
Manager of Land



The State of Texas

Secretary of State
JUNE 30, 1995

MIKE PARSONS...GLAST, PHILLIPS & MURRAY
2200 ONE GALLERIA TWR, 13355 NOEL RD, LB48
DALLAS ,TX 75240-6657

RE:
INLAND PRODUCTION COMPANY
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,




Antonio O. Garza, Jr., Secretary of State



The State of Texas

Secretary of State

CERTIFICATE OF AMENDMENT

FOR

INLAND PRODUCTION COMPANY

FORMERLY

LOMAX EXPLORATION COMPANY
CHAPTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO
CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE
OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS
CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995




Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
LOMAX EXPLORATION COMPANY

FILED
In the Office of the
Secretary of State of Texas

JUN 29 1995

Corporations Section

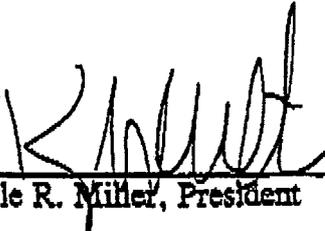
Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. **Name.** The name of the corporation is LOMAX EXPLORATION COMPANY.
2. **Statement of Amendment.** The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

3. **Shareholders.** The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.
4. **Adoption by Shareholders.** Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.
5. **Adoption by Board of Directors.** The Board of Directors adopted said amendment by a consent in writing signed by all Directors.
6. **Future Effective Date.** This amendment will become effective on July 1, 1995, at 12:01 a.m.

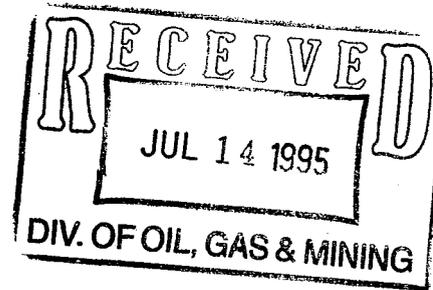
EXECUTED June 26, 1995.



Kyle R. Miller, President

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



Announcing
Our Name Change

From

Lomax Exploration Company

To

**Inland Production
Company**

** N 5160 assigned 7/26/95. Lee*

Field And Corporate Office Locations Remain The Same:

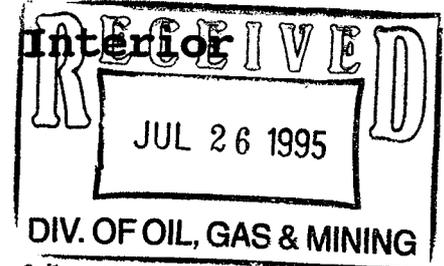
Corporate Office:
Inland Resources Inc.
475 Seventeenth Street, Suite 1500
Denver, CO 80202

Field Office:
W. Pole Line Road
P.O. Box 1446
Roosevelt, Utah 84066

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



JUL 25 1995

IN REPLY REFER TO:
3100
SL-065914 et al
(UT-923)

NOTICE

Inland Production Company : Oil and Gas Leases
475 Seventeenth St., Ste. 1500 : SL-065914 et al
Denver, Colorado 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.
Hartford Plaza
Hartford, CT 06115

bc: Moab District Office
Vernal District Office
Montana State Office
Wyoming State Office
Eastern States Office
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180
Teresa Thompson (UT-922)
Dianne Wright (UT-923)

EXHIBIT

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

FAX COVER SHEET



RESOURCES INC.
475 17th Street, Suite 1500
Denver, CO 80202
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995

TO: Lisha Cordova

COMPANY: State of Utah - Division of Oil, Gas and Mining

FAX NUMBER: 801 359 3940

FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

RE: Transfer of Authority to Inject
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: (GIL) *[initials]*

1-MLC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLD	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM (former operator)	<u>LOMAX EXPLORATION COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 1446</u>
	<u>ROOSEVELT UT 84066</u>		<u>ROOSEVELT UT 84066</u>
	<u>KEBBIE JONES</u>		<u>KEBBIE JONES</u>
	phone (<u>801</u>) <u>722-5103</u>		phone (<u>801</u>) <u>722-5103</u>
	account no. <u>N 5160</u>		account no. <u>N 0580</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-30667</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7/14/95)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____ *(7-28-95)*
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-31-95)*
- Supp 6. Cardex file has been updated for each well listed above. *8-16-95*
- Supp 7. Well file labels have been updated for each well listed above. *8-22-95*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-31-95)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trust Lands Admin. / Rider or Repl. in Progress.*

- N/A / See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
8/23/95 sent to Ed Bonner

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 30 19 95.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950726 BLM/SL Appr. eff. 6-29-95.

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas well Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

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

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

**SW/SE
Sec. 20, 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 #15-20

9. API Well No.

43-013-30667

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

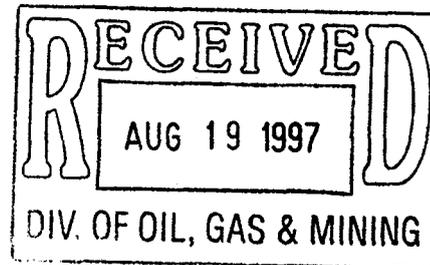
12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Inland Production Company requests authorization to convert the Boundary Federal #15-20 location from a producing well to a Class II Injection Well.



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

Signed *Cheryl Cameron*
Cheryl Cameron

Title **Regulatory Compliance Specialist**

Date **7/30/97**

(This space of Federal or State office use.)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

APPLICATION FOR INJECTION WELL - UIC FORM 1

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

Well name and number: Boundary Federal #15-20

Field or Unit name: Boundary Area Permit No. UT2702-00000 Lease no. U-50376

Well location: QQ SWSE section 20 township 8S range 17E county Duchesne

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

Will the proposed well be used for:

Enhanced Recovery?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Disposal?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well,
has a casing test been performed on the well? Yes No

Date of test: 10/1/91
API number: 43-013-30667

Proposed injection interval from 5789' to 5846'

Proposed maximum injection: rate 1000 BPD pressure 1678# psig

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

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

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

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

Name Brad Mecham Signature *Brad Mecham*
Title District Manager Date 7/30/97
Phone No. (801) 722-5103

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

Comments:

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

- 1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

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

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

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

Answer: Reference Exhibit "A".

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

Answer: To approve the conversion of the Boundary Federal #15-20 from a producing oil well to a water injection well in the Boundary area in the Monument Butte Field; and to approve the installation of an injection line. The line would leave the injection facility at the Boundary Federal #13-21, and proceed westerly approximately 2500' ±, to the proposed Boundary Federal #15-20 injection well. The proposed injection line would be a 3" coated steel pipe, buried 5' below surface and would provide injection water to the Boundary Federal #15-20, from our existing water injection line. Reference Exhibit "B".

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

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

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

Answer: The Green River Formation pool targeted for injection is the LDC sand with a gamma ray derived top @ 5789'. The injection zone is a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above at (5671') and below at (5966') 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 #15-20 is currently on file with the Utah Division of Oil, Gas & Mining.

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

Answer: Culinary water from Johnson Water District supply line.

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

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

Answer: Reference Exhibit "C".

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

Answer: Reference Exhibit "D".

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

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

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

Answer: This proposed injection well is within the Boundary area in the Monument Butte Field and the request is for administrative approval.

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

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

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

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

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

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

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

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

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

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

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

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 283', and the 5 1/2" casing from surface to 6812'. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-4".

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

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

Average	300 BPD
Maximum	1000 BPD

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

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

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

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Boundary Federal #15-20, averages approximately .72 psig/ft.

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

Answer: The frac gradient for the Boundary Federal #15-20, for existing zones (5789'-5846') averages approximately .72 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

Proposed Maximum Injection Pressure: $P_m = [.72 - (.433)(1.004)] \quad 5789'$
 $P_m = 1678$

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

Answer: In the Boundary Federal #15-20, the injection zone is in the LDC sand (5789'-5846'',) contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The top of the Douglas Creek Member, estimated at approximately 5150'. The estimated average porosity is 14%; the estimated fracture pressure is 1678# psi.

The confining stratum directly above the injection zone is the A Mkr of the Green River Formation, and the Black Shale Facies below. (A Mkr @ 5671', and the Black Shale Facies @ 5966'.) 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 area are on file with the Division of Oil, Gas & Mining.

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

Answer: Exhibits "E-1" through "E-4".

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

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

Answer: Exhibit "D".

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

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

- 3) Applications for injection wells which are within a recovery project area will be considered for approval.
 - 3.1. Pursuant to Rule 615-5-1-3
 - 3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.
- 4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.
- 5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

INLAND PRODUCTION COMPANY

**Boundary Federal #15-20
SW/SE Sec. 21, T8S, R17E
Duchesne County, Utah**

PLUGGING & ABANDONMENT PLAN

The plugging and abandonment plan consists of the following plugs:

- PLUG #1:** Set 150' balanced plug inside 5 1/2" csg from 3850' - 3700'. Circ well to 2200' w/ 9.2 PPG fluid.
- PLUG #2:** Set 150' balanced plug inside 5 1/2" csg from 2400'-2250'. Circ well to 320' w/ 9.2 PPG fluid.
- PLUG #3:** Perf 2' @ 2 spf 50' below the surface csg shoe @ 340'. RIH w/ tbg to 50' above the surface csg shoe @ 240', circ cmt to surface. Circ to surface w/ 9.2 ppg plugging gel.
- PLUG #4:** 10 sx plug @ surface.
Install dry hole marker & restore location.

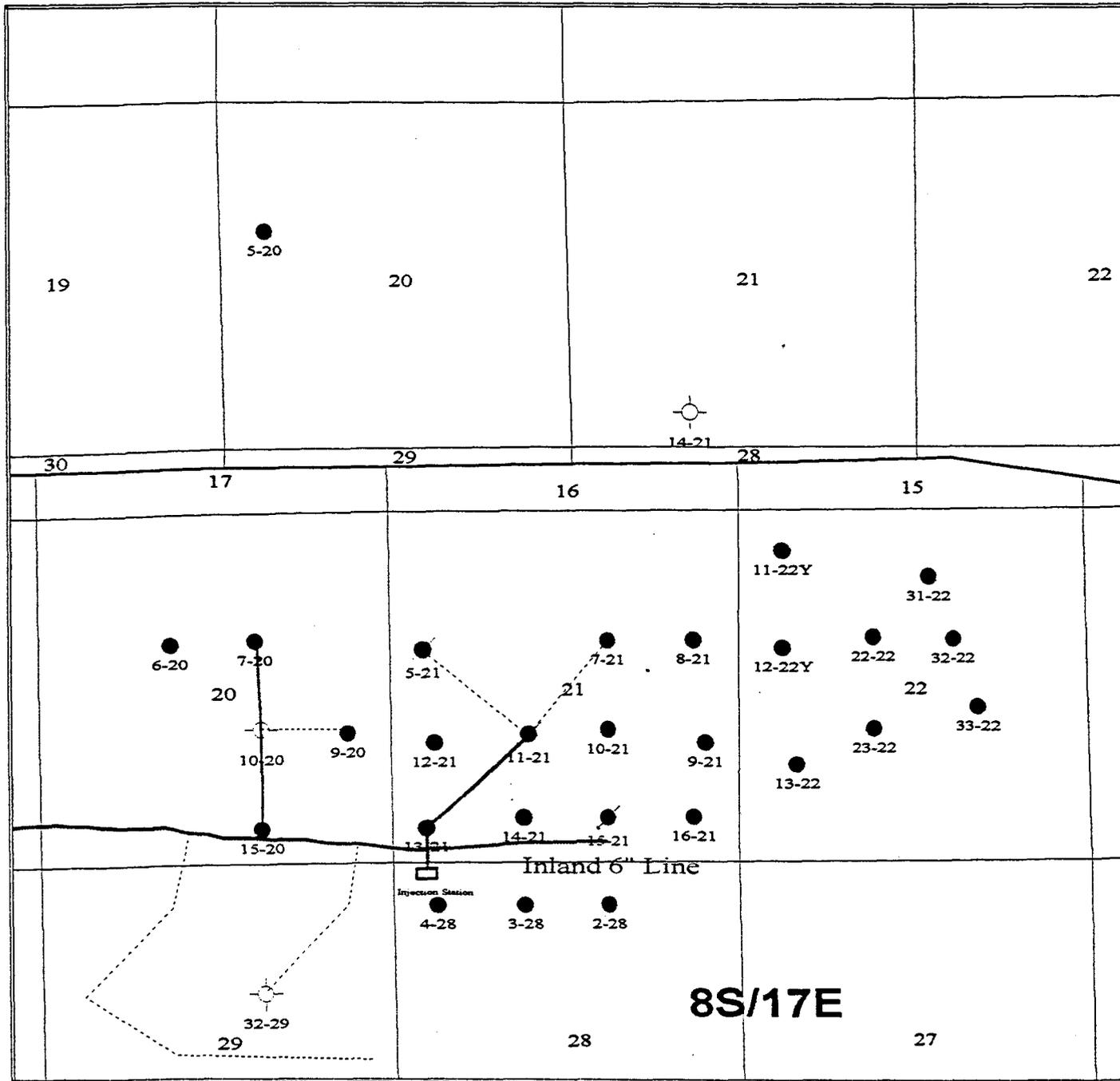


EXHIBIT "A"

Legend

- Existing Well
- ⚡ Existing Injector
- Water Line
- - - Proposed Water Line

Inland
MANAGEMENT INC.

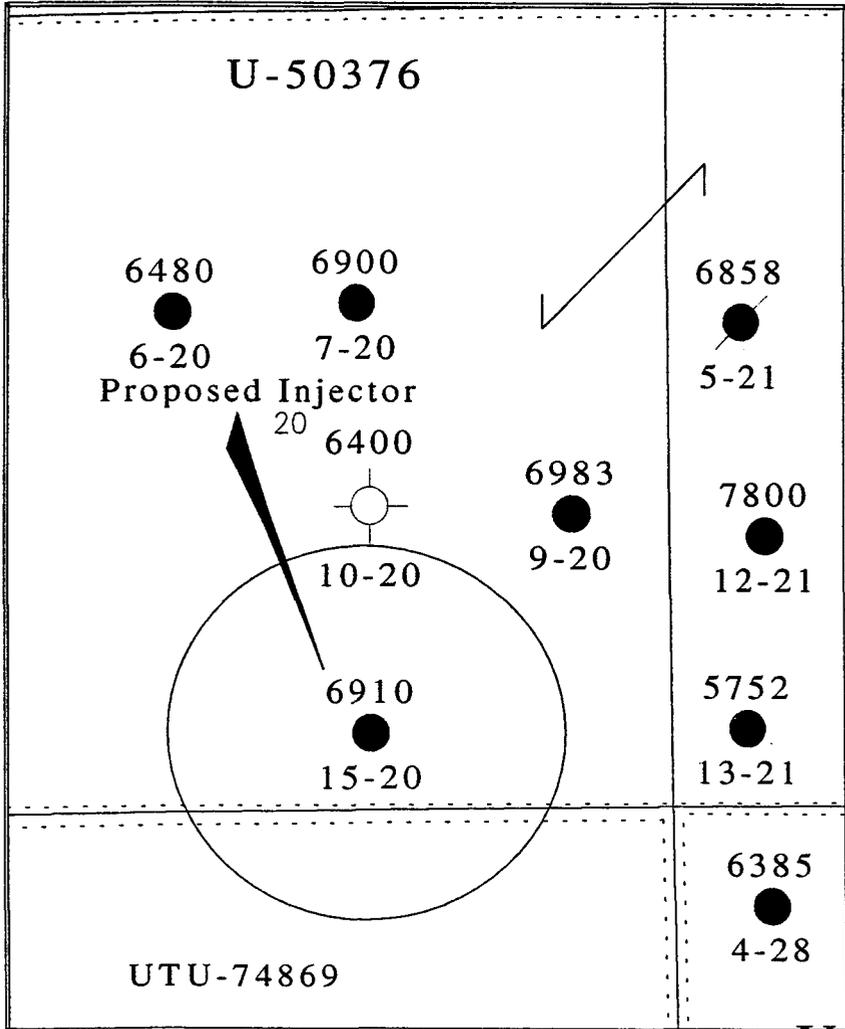
475 17th Street Suite 1500
 Denver, Colorado 80202
 Phone: (303) 251-0900

Inland Injection System
 Boundary Unit
 Duchesne County, Utah

Date: 6/4/97 J.A.

8S/17E

BOUNDARY
DUCHESNE COUNTY, UTAH
MINERAL RIGHTS



LESSEE: ELMER & LEE MOON
(GRAZING RIGHTS ONLY)

EXHIBIT "B"

Legend

-  PRODUCING WELL
-  EXISTING INJECTION WELL
-  DRY HOLE

BOUNDARY FEDERAL 15-20 6910 TD

EXHIBIT B

Page 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 17: All Section 18: Lots 1 & 2 Section 19: E/2, SW/4 Section 20: All Section 21: NW/4, S/2	U-50376 HBP	Inland Production Company	(Surface Rights) USA Inland Resources Inc. Pride Lane Farm (Grazing Rights) Lee Moon Elmer Moon
2	Township 8 South, Range 17 East Section 18: Lots 3 & 4 Section 19: Lots 1, 2, E/2NW/4 (excluding Patent #880415) Section 29: All Section 30: Lots 1-14, E/2NE/4, E/2SW/4, SW/4SE/4 Section 31: Lots 1-5, W/2E/2, SE/4NE/4, E/2W/2, NE/4SE/4	UTU-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Lee Moon Elmer Moon

EXHIBIT "C"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 17: All Section 18: Lots 1 & 2 Section 19: E/2, SW/4 Section 20: All Section 21: NW/4, S/2	U-50376 HBP	Inland Production Company	(Surface Rights) USA Inland Resources Inc. Pride Lane Farm (Grazing Rights) Lee Moon Elmer Moon
2	Township 8 South, Range 17 East Section 18: Lots 3 & 4 Section 19: Lots 1, 2, E/2NW/4 (excluding Patent #880415) Section 29: All Section 30: Lots 1-14, E/2NE/4, E/2SW/4, SW/4SE/4 Section 31: Lots 1-5, W/2E/2, SE/4NE/4, E/2W/2, NE/4SE/4	UTU-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Lee Moon Elmer Moon

EXHIBIT "D"

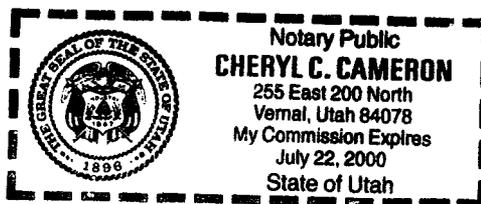
RE: Application for Approval of Class II Injection Well
Boundary Federal #15-20.

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


INLAND PRODUCTION COMPANY
Brad Mecham
District Manager

Sworn to and subscribed before me this 18 day of August 1997.


Notary Public in and for the State of Utah

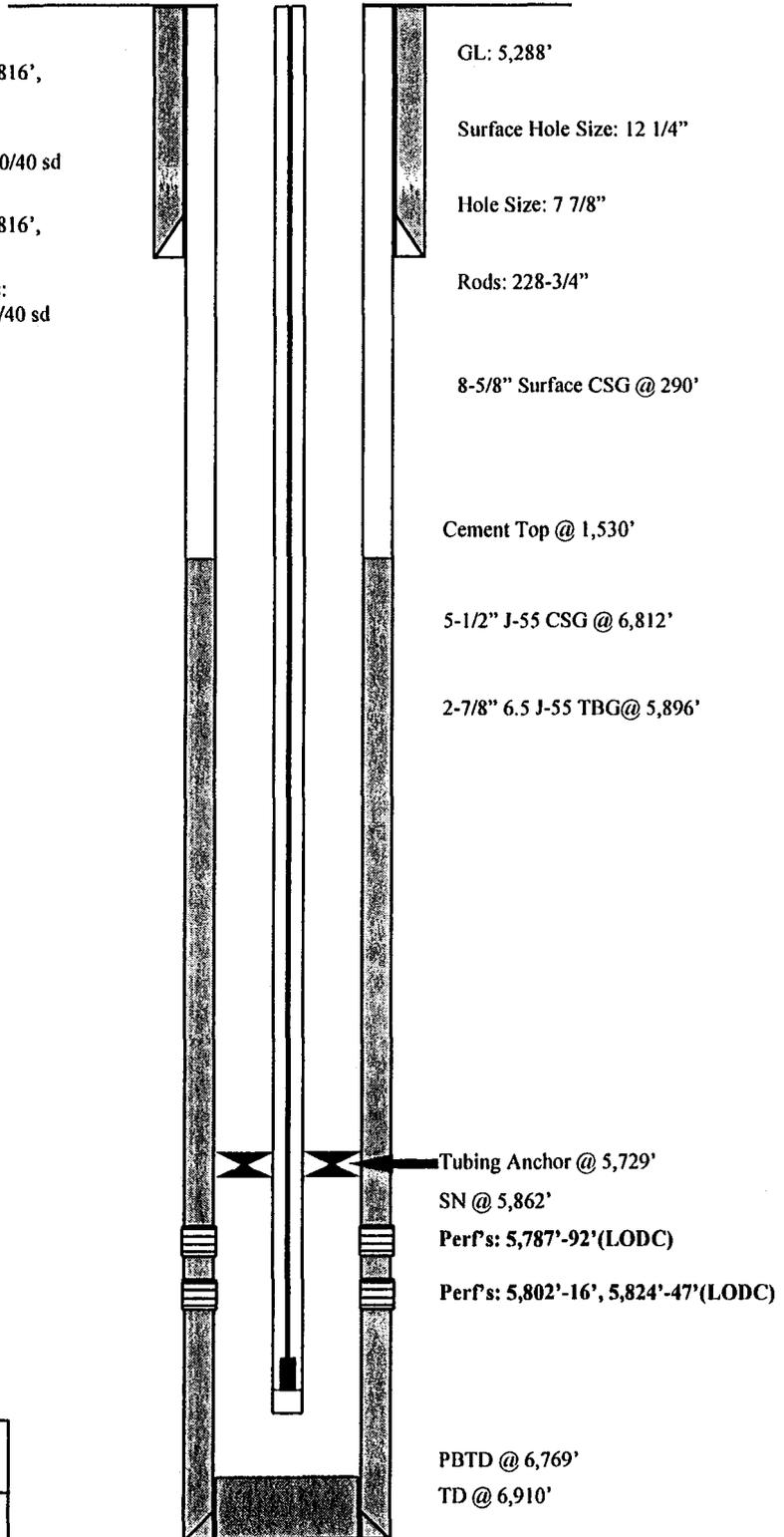


Boundary Federal #15-20

Wellbore Diagram

Well History:

6-30-83	Spud Well
7-21-83	Perf: 5,789'-5,792', 5,802'-5,816', 5,824'-5,846'
7-22-83	Frac LODC zone as follows: Totals 49,000 gal, 152,000# 20/40 sd Avg TP 3,000
1-31-92	Perf: 5,787'-5,792', 5,802'-5,816', 5,824'-5,847'
2-1-92	Refrac LODC zone as follows: Totals 62,700 gal, 30,000# 20/40 sd 137,000# 16/30 sd Avg TP 3,100



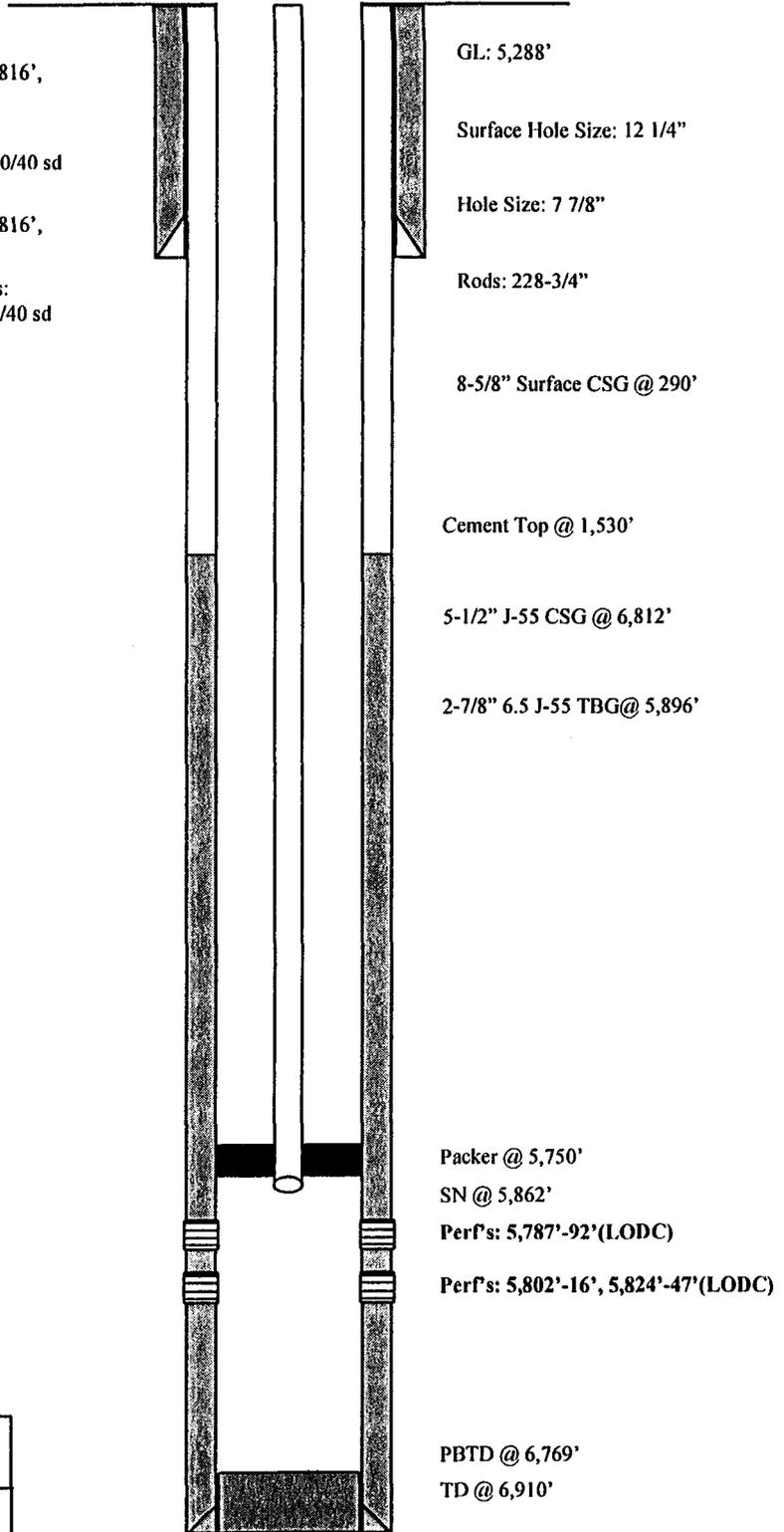
	Inland Resources Inc.
	Boundary Federal #15-20 509 FSL 1994 FEL SWSE Section 20-T8S-R17E Duchesne Co, Utah API #43-013-30667; Lease #U-50376

Boundary Federal #15-20

Well History:

6-30-83	Spud Well
7-21-83	Perf: 5,789'-5,792', 5,802'-5,816', 5,824'-5,846'
7-22-83	Frac LODC zone as follows: Totals 49,000 gal, 152,000# 20/40 sd Avg TP 3,000
1-31-92	Perf: 5,787'-5,792', 5,802'-5,816', 5,824'-5,847'
2-1-92	Refrac LODC zone as follows: Totals 62,700 gal, 30,000# 20/40 sd 137,000# 16/30 sd Avg TP 3,100

**Proposed Injection
Diagram**



Inland Resources Inc.

Boundary Federal #15-20

509 FSL 1994 FEL

SWSE Section 20-T8S-R17E

Duchesne Co, Utah

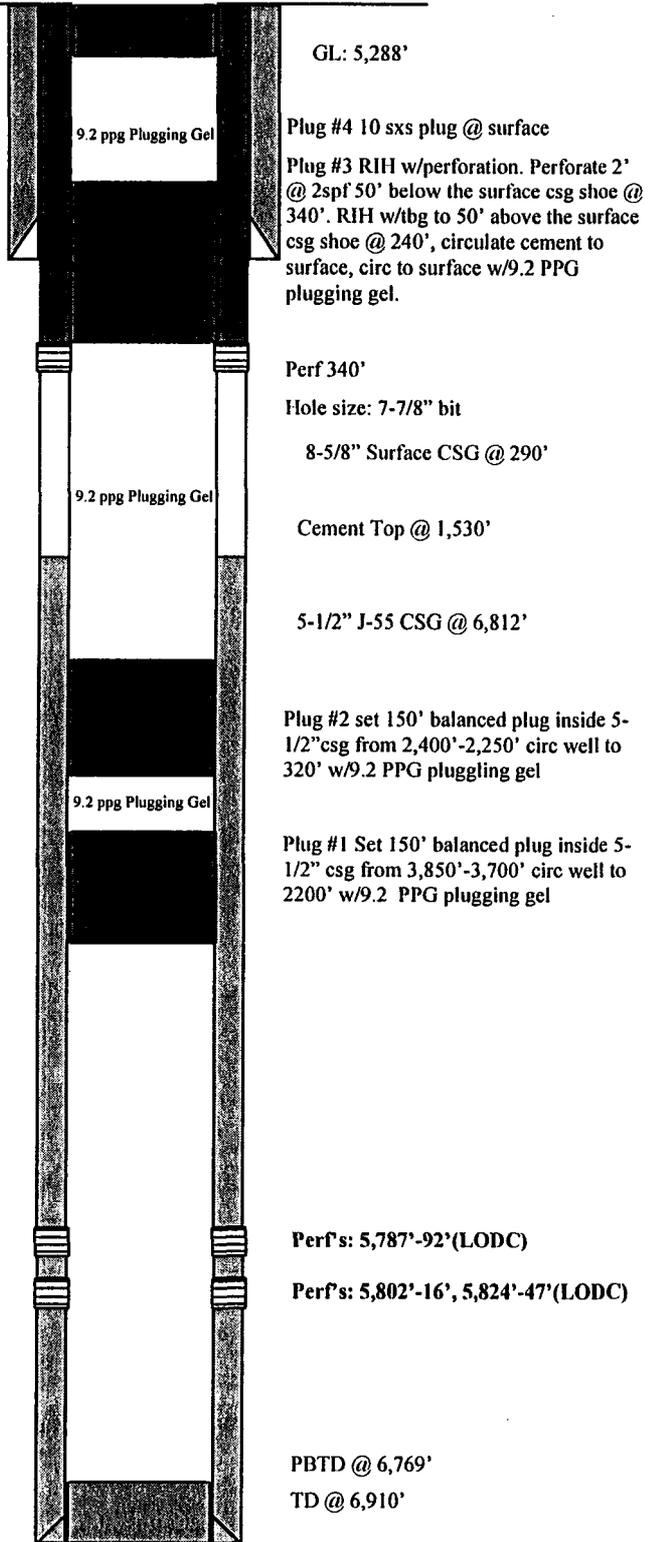
API #43-013-30667; Lease #U-50376

Boundary Federal #15-20

Well History:

6-30-83	Spud Well
7-21-83	Perf: 5,789'-5,792', 5,802'-5,816', 5,824'-5,846'
7-22-83	Frac LODC zone as follows: Totals 49,000 gal, 152,000# 20/40 sd Avg TP 3,000
1-31-92	Perf: 5,787'-5,792', 5,802'-5,816', 5,824'-5,847'
2-1-92	Refrac LODC zone as follows: Totals 62,700 gal, 30,000# 20/40 sd 137,000# 16/30 sd Avg TP 3,100

Proposed Plugging Diagram



	Inland Resources Inc.
	Boundary Federal #15-20
	509 FSL 1994 FEL
	SWSE Section 20-T8S-R17E
	Duchesne Co, Utah
	API #43-013-30667; Lease #U-50376

Boundary Federal #10-20

Initial Production: NONE

Spud Date: 4/9/93
Plugged: 4/28/96
GL: 5283' KB: 5296'

Plugging Diagram

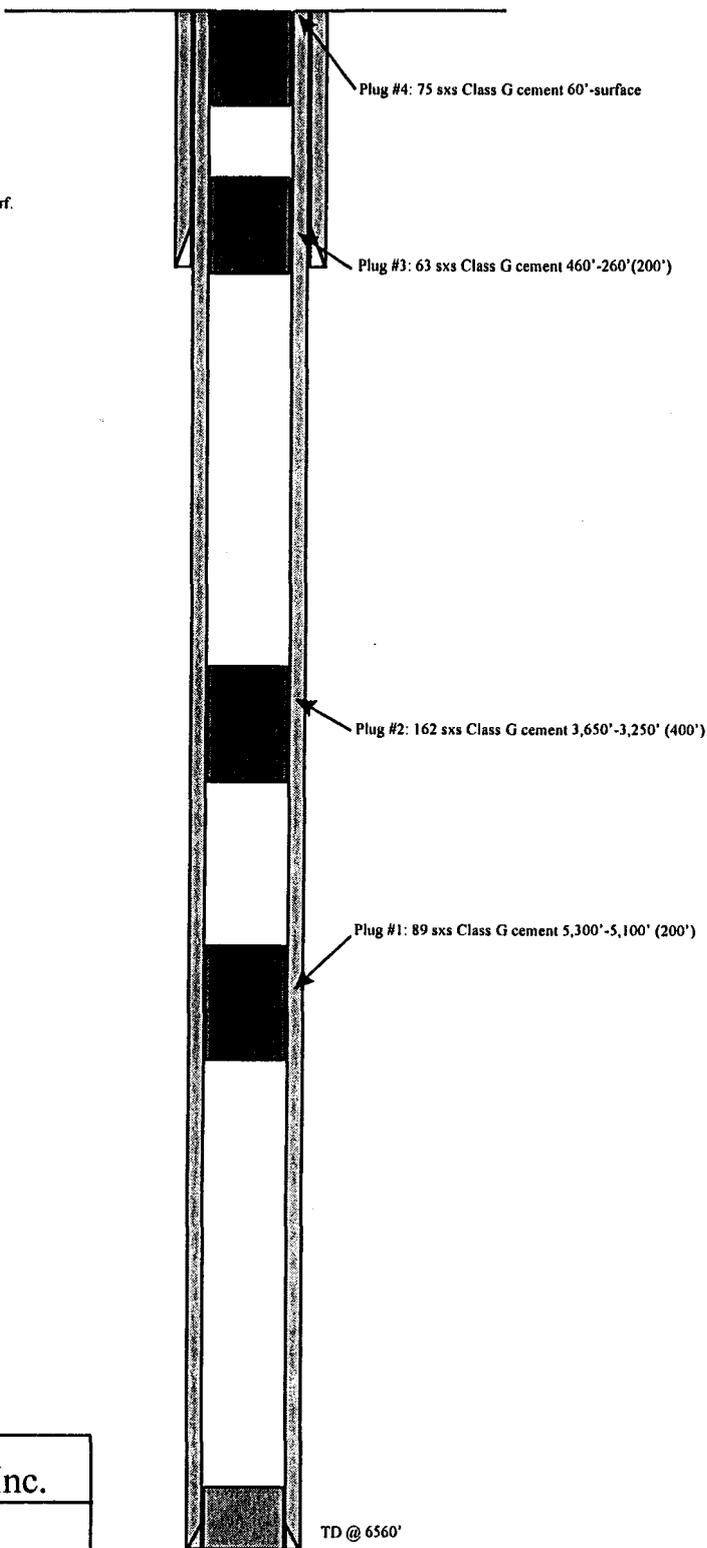
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ?'
DEPTH LANDED: 354.51'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

TUBING

SUCKER RODS



	Inland Resources Inc.
	Boundary Federal #10-20
	2009 FSL 1980 FEL
	NWSE Section 20-T8S-R17E
	Duchesne Co, Utah
API #43-013-31380; Lease #U-50376	

UNICHEM

A Division of BJ Services

EXHIBIT "F -1"

P.O. Box 217
Roosevelt, Utah 84066

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

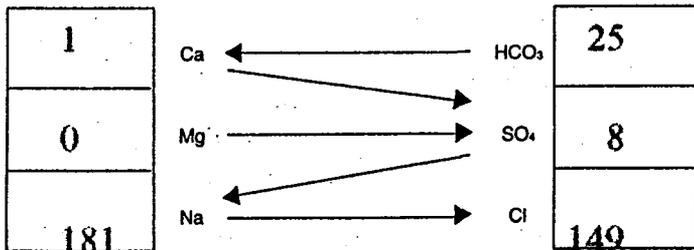
WATER ANALYSIS REPORT

Company INLAND Address _____ Date 02-03-97
Source BF 7-21 Date Sampled 01-30-97 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>		
2. H ₂ S (Qualitative)	<u>3.0</u>		
3. Specific Gravity	<u>1.004</u>		
4. Dissolved Solids		<u>11,376</u>	
5. Alkalinity (CaCO ₃)		<u>120</u>	
6. Bicarbonate (HCO ₃)	HCO ₃	<u>1,500</u>	÷ 61 <u>25</u> HCO ₃
7. Chlorides (Cl)	Cl	<u>5,300</u>	÷ 35.5 <u>149</u> Cl
8. Sulfates (SO ₄)	SO ₄	<u>360</u>	÷ 48 <u>8</u> SO ₄
9. Calcium (Ca)	Ca	<u>16</u>	÷ 20 <u>1</u> Ca
10. Magnesium (Mg)	Mg	<u>2</u>	÷ 12.2 <u>0</u> Mg
11. Total Hardness (CaCO ₃)		<u>50</u>	
12. Total Iron (Fe)		<u>0.4</u>	
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>1</u>			<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00		<u>24</u>		<u>2,016</u>
Na ₂ SO ₄	71.03		<u>8</u>		<u>568</u>
NaCl	58.46		<u>149</u>		<u>8,711</u>

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

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION: BF 7-21

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO ₃	120	120
M-ALK AS PPM CaCO ₃	1500	1500
SULFATE AS PPM SO ₄	360	360
CHLORIDE AS PPM Cl	5300	5300
HARDNESS AS PPM CaCO ₃	50	50
CALCIUM AS PPM CaCO ₃	16	16
MAGNESIUM AS PPM CaCO ₃	2	2
SODIUM AS PPM Na	4163	4163
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	11376	10730
TEMP (DEG-F)	100	
SYSTEM pH	8.8	
pH		8.8

RESULTS:

IONIC STRENGTH-MOLAL	.177
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	10730

SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	.50	3	0	0	0
100	.73	4	0	0	0
120	1	5	0	0	0
140	1.31	5	0	0	0
160	1.55	5	0	0	0
180	1.90	5	0	0	0
200	2.28	5	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	BOUNDARY INJECTIO	BF 7-21
P-ALK AS PPM CaCO3	0	120
M-ALK AS PPM CaCO3	400	1500
SULFATE AS PPM SO4	40	360
CHLORIDE AS PPM Cl	530	5300
HARDNESS AS PPM CaCO3	180	50
CALCIUM AS PPM CaCO3	64	16
MAGNESIUM AS PPM CaCO3	5	2
SODIUM AS PPM Na	19	4163
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1443	11376
TEMP (DEG-F)	100	100
SYSTEM pH	7.6	8.8

WATER COMPATIBILITY CALCULATIONS
 BOUNDARY INJECTIO AND BF 7-21
 CONDITIONS: TEMP.=100AND pH=8.2
 WATER ONE IS BOUNDARY INJECTIO

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.68	17	0	0	0
90	.70	16	0	0	0
80	.70	14	0	0	0
70	.67	13	0	0	0
60	.64	11	0	0	0
50	.59	10	0	0	0
40	.53	8	0	0	0
30	.46	6	0	0	0
20	.37	5	0	0	0
10	.26	3	0	0	0
0	.13	1	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	MONUMENT BUTTE IN	BF 7-21
P-ALK AS PPM CaCO3	0	120
M-ALK AS PPM CaCO3	450	1500
SULFATE AS PPM SO4	50	360
CHLORIDE AS PPM Cl	350	5300
HARDNESS AS PPM CaCO3	140	50
CALCIUM AS PPM CaCO3	40	16
MAGNESIUM AS PPM CaCO3	10	2
SODIUM AS PPM Na	345	4163
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	11376
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.8

WATER COMPATIBILITY CALCULATIONS
 MONUMENT BUTTE IN AND BF 7-21
 CONDITIONS: TEMP.=100 AND pH=8
 WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.31	6	0	0	0
90	.33	6	0	0	0
80	.32	6	0	0	0
70	.30	5	0	0	0
60	.28	4	0	0	0
50	.24	4	0	0	0
40	.19	3	0	0	0
30	.14	2	0	0	0
20	.08	1	0	0	0
10	.01	0	0	0	0
0	-.07	0	0	0	0

SMITH ENERGY SERVICES

MWF^R COMPUTER REPORT

Measurement While Fracturing

LOMAX EXPLORATION COMPANY INC.

MONUMENT FEDERAL # 15-20

DUCHESNE COUNTY

UTAH

FEBRUARY 4, 1992

LOMAX EXPLORATION COMPANY INC.
MONUMENT FEDERAL # 15-20

SUMMARY DATA

ESTIMATED BOTTOM HOLE TEMPERATURE	140	(deg. F)
ESTIMATED RESERVOIR PRESSURE	900	(psi)
ESTIMATED FRACTURE GRADIENT	0.70	
ESTIMATED CLOSURE STRESS	4200	(psi)

PERFORATION INTERVAL	5787-5792	(feet)
PERFORATION INTERVAL	5802-5816	(feet)
PERFORATION DIAMETERS	0.42	(inches)
NUMBER OF PERFORATIONS	164	

FLUSH	LINEAR GEL	
FLUSH CAPACITY	134	(bbls)

PROPPANT	OTTAWA	
PROPPANT MESH SIZE	16-30	
PROPPANT SPECIFIC GRAVITY	21.93	(ppg)

PROPPANT	OTTAWA	
PROPPANT MESH SIZE	20-40	
PROPPANT SPECIFIC GRAVITY	21.93	(ppg)

Well Name Loman Fed 15-20 Completion Unit Complet 11 Completion Days 4

Work String: Size 2 7/8" Wt 6.5# Grd J-55 Pkr/EOT @ # PBD 6764
 Present Operation 52 Flowing Well Work Fluid

PERFORATIONS: Size gun _____ Shot Diameter _____ Company: _____
 _____ to _____ to _____ to _____
 _____ to _____ to _____ to _____
 _____ to _____ to _____ to _____

STIMULATION: Before job; SITP 0 SICP 0 Back Pressure 0
 Fluid used: 5% KCl Company: Haliburton

Procedure: 1) Pumped 15,000 gal Pad. Max TP 3200 @ 46.6 BPM
 2) Pumped 4,000 gal 1#/gal Sand. Avg TP 3000 @ 48 BPM
 3) Pumped 6,000 gal 2#/gal Sand. SITP 2110
 4) Pumped 8,000 gal 4#/gal Sand. 1830 after 5 min
 5) Pumped 10,000 gal 6#/gal Sand. 1740 after 10 min
 6) Pumped 5,670 gal 8#/gal Sand. 1670 after 15 min
 7) Flurked with 5076 gal 5% KCl. Displacement fluid used:
 8) _____ 5% KCl.
 9) _____
 10) _____

*1700
Load
1420 BBLs*

FLUID RECOVERY (Bbls):		
During Last	Total	Left to
hrs.	Recovered	Recover
BLW		<u>1420</u>
BLO		
BNW		
BNO		

FLOWING:				
CHK	HRS	TP	RECOVERY	DAILY RATE
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

SWABBING: #Runs 3 Total Recovered 20
 FL Maint. _____ Swab Rate (B/H) _____ WC _____

REMARKS: Tubing pressure 300 psi. Bleed pressure off and swabbed 20 BBLs to ~~the~~ shot tank. Had 5% oil on last run. Released packer and pulled tubing out of the hole. Rigged up Halliburton and fraced the well as per the above procedure. Shut well in overnight.

Completion Supervisor _____
 Date July 22 1987

COSTS:
 Daily 37,700.00
 Cumulative 213,834

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	01/30/97

OFFICE COPY

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL1R8200271
SCHEDULE	
START 01/30/97 END 01/30/97	
CUST. REF. NO.	
UIC-189	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
46 LINES 2.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	150.88
TOTAL COST	
150.88	

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-189
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE BOUNDARY FEDERAL 7-20, 9-20, 15-20, 5-21, 7-21 AND 9-21 WELLS LOCATED IN SECTIONS 20 AND 21, TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 wells, located in Sections 20 and 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures. The wells are located within the Boundary Waterflood Unit area (Cause No. 225-1) which was approved by the Board of Oil, Gas and Mining on August 4, 1992. Selective intervals in the Green River Formation as specified in the board order will be perforated for water injection. The maximum authorized injection pressure and rate will be determined by means of a step-rate test 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 22nd day of January, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
R. J. Firth
Associate Director, Oil & Gas
1R820020

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, 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 01/30/97 END 01/30/97

SIGNATURE *Rose Honey*

DATE 01/30/97



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

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 COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-189
THE BOUNDARY FEDERAL 7-20,	:	
9-20, 15-20 , 5-21, 7-21 AND 9-21	:	
WELLS LOCATED IN SECTIONS 20	:	
AND 21, TOWNSHIP 8 SOUTH,	:	
RANGE 17 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, AS	:	
CLASS II INJECTION WELLS	:	

---ooOoo---

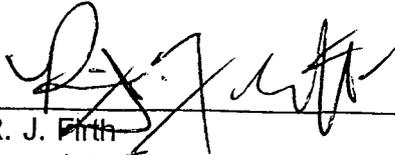
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Dated this 22nd day of January 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



R. J. Pirth
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

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

January 22, 1997

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-189

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,

A handwritten signature in cursive script that reads "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

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

January 22, 1997

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-189

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Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt
Secretary

Enclosure

Inland Production Company
Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 Wells
Cause No. UIC-189

Publication Notices were sent to the following:

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

Inland Production Company
P.O. Box 790233
Vernal, Utah 84078

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

Secretary

January 22, 1997

4

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION RECORD

OPERATOR: INLAND PRODUCTION COMPANY COMPANY REP: RON

WELL NAME: BOUNDARY FED #15-20 API NO: 43-013-30667

SECTION: 20 TWP: 8S RANGE: 17E COUNTY: DUCHESNE

TYPE OF WELL: OIL: YES GAS: _____ WATER INJECTION: _____

STATUS PRIOR TO WORKOVER: SOW

INSPECTOR: DENNIS L. INGRAM TIME: 11:45 AM DATE: 10/8/98

REASON FOR WORKOVER:

CHANGE OF LIFT SYSTEM: _____ PUMP CHANGE: _____ PARTED RODS: _____

CASING OR LINER REPAIR: _____ ACIDIZE: _____ CONVERSION: YES

TUBING CHANGE: _____ WELLBORE CLEANOUT: _____ WELL DEEPENED: _____

ENHANCED RECOVERY: _____ THIEF ZONE: _____ CHANGE ZONE: _____

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED: PIT TANK & 400 BBL.
UPRIGHT

PIT: LINED N UNLINED N FRAC TANK TRUCK BOPE: YES H2S PRESENT: N

OPERATIONS AT THE TIME OF INSPECTION: POOH WITH TUBING AND PACKER

REMARKS:

COLORADO WELL #53 RIG ON WELL. OPERATOR IS CONVERTING OLD

SHUT IN WELL TO AN INJECTION WELL. PACKER WOULD NOT SET SO RIG

IS PULLING SAME TO RUN A BIT AND SCRAPER.



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

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

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-189

Operator: Inland Production Company
Wells: Boundary Federal 15-20
Location: Section 20, Township 8 South, Range 17 East,
County: Duchesne
API No.: 43-013-30667
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 18, 1997
2. Maximum Allowable Injection Pressure: 1678 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 5789 feet to 5846 feet (Green River Formation)

Approved by:



John R Baza
Associate Director, Oil and GAS

9/18/97

Date



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

September 18, 1997

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

Re: Boundary Federal 9-20 and 15-20 wells, Section 20, 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 wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

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

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

Sincerely,


John R. Baza
Associate Director, Oil and Gas

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

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
BOUNDARY FEDERAL #15-20
AREA PERMIT NO. UT-2702-00000
LEASE NO. U-50376
JULY 30, 1997

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Boundary Fed. 15-20

Location: 20/8S/17E

API: 43-013-30667

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

Ownership Issues: The proposed well is located on BLM land. All lands in the one-half mile radius of the well are owned by the BLM. Leases in the one-half mile radius are held by various individuals and companies. A list of the lease holders, surface owners and operators was submitted with the application. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent to convert the well to an injector.

Well Integrity: The proposed well has surface casing set at 290 feet and is cemented to surface. A 5 1/2 inch production casing is set at 6912 feet and has a cement top at 1530 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at approximately 5729 feet. A mechanical integrity test will be run on the well prior to injection. There are no wells in the area of review. The present and proposed construction of the 15-20 well will adequately protect and isolate any porous zones from the injection zone. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 300 feet. Numerous water flows have been encountered in the boundary unit during drilling operations. These flows have been at depths of approximately 95 feet and 195 feet. The quality of the water in these sands has been reported to be fresh. High quality ground water may be present in sands down through a depth of 300 feet. These sands are generally discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 5789 feet and 5846 feet in the Green River Formation, specifically the LDC sand. The confining intervals above and below the injection zone consists of tight, moderately calcareous sandy lacustrine shale. Information submitted by Inland indicates that the fracture gradient for the injection zone in the 15-20 well is .72 psig/ft. The resulting fracture pressure at the proposed uppermost perforation at 5789 feet is 1678 psig. The requested maximum pressure was 2096 psi.

Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas & Other Mineral Resources Protection: This well is located in the previously approved Boundary Unit. Correlative rights issues and other interests were addressed at the time the unit was approved. In review of the information submitted to the Board it appears that additional injection wells will increase ultimate recovery and will protect the interests of all owners.

Bonding: The well is located on Federal land and proper bonds are held by the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard (UIC-). It is recommended that approval be granted to convert the well to injection. Approval should be granted in accordance with information submitted by Inland in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection.

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

Reviewer(s): D.Jarvis Date: 9/10/97

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-50376

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
GREATER BOUNDARY

8. Well Name and No.
BOUNDARY FEDERAL 15-20

9. API Well No.
43-013-30667

10. Field and Pool, or Exploratory Area
TREATY BOUNDARY

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other **WIW**

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0509 FSL 1994 FEL SW/SE Section 20, T08S R17E

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

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

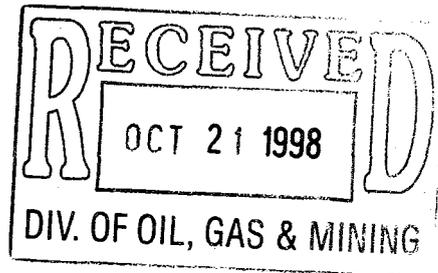
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

The above referenced well was converted from a producing oil well to a water injection well on 10-9-98. A mechanical integrity test was performed on 10-13-98. John Carson, EPA, was contacted, but did not witness the test. Casing was tested to 1050 psi for 30 minutes.

Attachments:

1. Daily Workover Report"
2. Copy of Chart



*WTC
3-23-99
PSE*

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

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/19/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:
CC: UTAH DOGM



Daily Workover Report

BOUNDARY FEDERAL 15-20
SW/SE Section 20, T08S R17E
DUCHESNE Co., Utah
API # 43-013-30667

Spud Date: 6/30/83
POP: 8/5/83
TD: 6910'
WO Rig: CWS #52

10/7/98 PO: Injection Conversion. (Day 1)

Summary: 10/6/98 - TP: 45, CP: 800. MIRUSU. Pump 208 bbls production water down casing @ 270° @ 1600 psi while working rods. Pump stuck in SN. Back-off rods. TOH w/222 - 3/4" plain rods, 4' x 3/4" pony rod, 1-1/2" x 22' polished rod. SIFN.
DC: \$5,200 TWC: \$5,200

10/8/98 PO: Injection Conversion. (Day 2)

Summary: 10/7/98 - TP: 0, CP: 0. TOH w/18 jts tbg breaking and applying liquid "O" ring to every pin. RU swab. Pump 25 bbls water down casing @ 270°. Finish TOH w/163 jts tbg. RU wireline entry guide, Arrow XS packer & SN. TIH w/176 jts tbg. SIFN.
DC: \$2,400 TWC: \$7,600

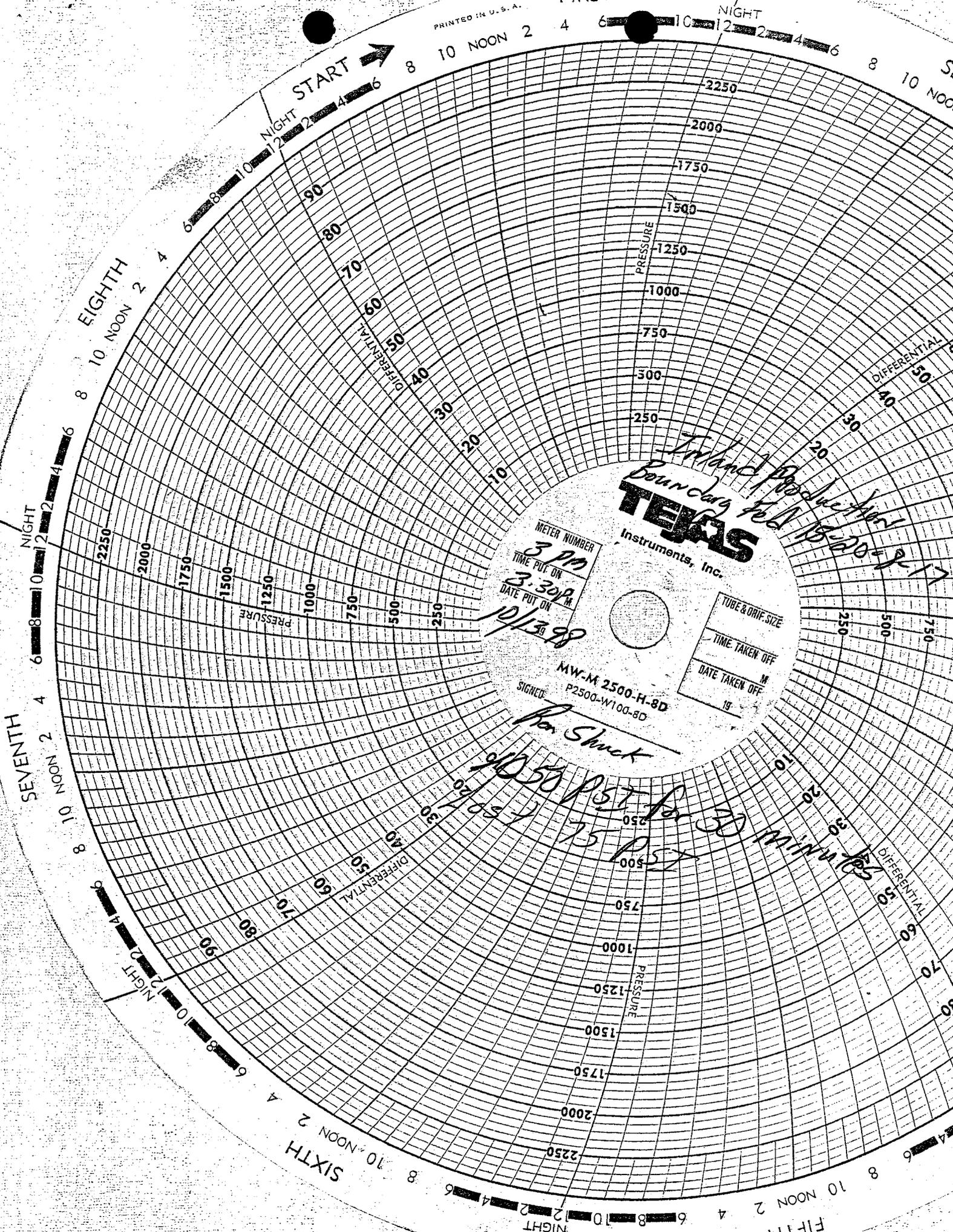
10/9/98 PO: Injection Conversion. (Day 3)

Summary: 10/8/98 - TP: 0, CP: 0. Finish TIH w/40 jts tbg to 5733'. ND BOP. Pump 50 bbls production water down casing. Pump 100 bbls packer fluid down casing. Try to set packer. When you would try to set packer it would jump up hole. TOH w/176 jts tbg, SN, Arrow Set XS packer & wireline entry guide. Pick-up bit and scraper. TIH w/182 jts tbg. TOH w/tbg breaking and applying Liquid "O" ring to every pin. 130 jts out. SIFN.
DC: \$2,500 TWC: \$10,100

10/10/98 PO: Injection Conversion. (Day 4)

Summary: 10/9/98 - TP: 0, CP: 0. Finish TOH w/tbg breaking and applying Liquid "O" Ring to every pin. LD bit and scraper. RU Wireline entry guide, Arrow XS Packer & SN. TIH w/176 jts tbg. Pump 60 bbls production water down casing @ 250°. Pump 100 bbls packer fluid @ 100° down casing. Set packer @ 5734' w/13,000# tension. Test casing and packer to 1100 psi for 25 minutes (lost 100 psi). RDMOSU.
DC: \$7,700 TWC: \$17,800

START →



Inland Production
Boundary Well 15-20-2-17
TEXAS
Instruments, Inc.

METER NUMBER
3 PM
TIME PUT ON
3:30 P.M.
DATE PUT ON
10/13/98

TUBE & ORIF. SIZE
TIME TAKEN OFF
DATE TAKEN OFF

MW-M 2500-H-80
P2500-W100-80

SIGNED
Ben Shuck

90.50 PST for 30 minutes
75 PST

SEVENTH

EIGHTH

SIXTH

FIFTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

0509 FSL 1994 FEL SW/SE Section 20, T08S R17E

5. Lease Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY FEDERAL 15-20

9. API Well No.

43-013-30667

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

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

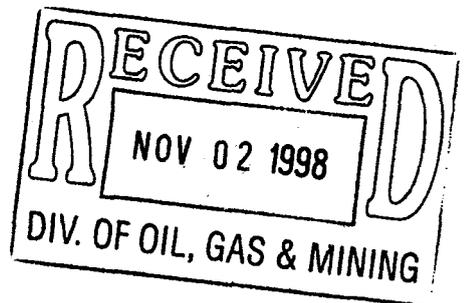
TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Site Security**
 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.)*

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



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

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/30/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

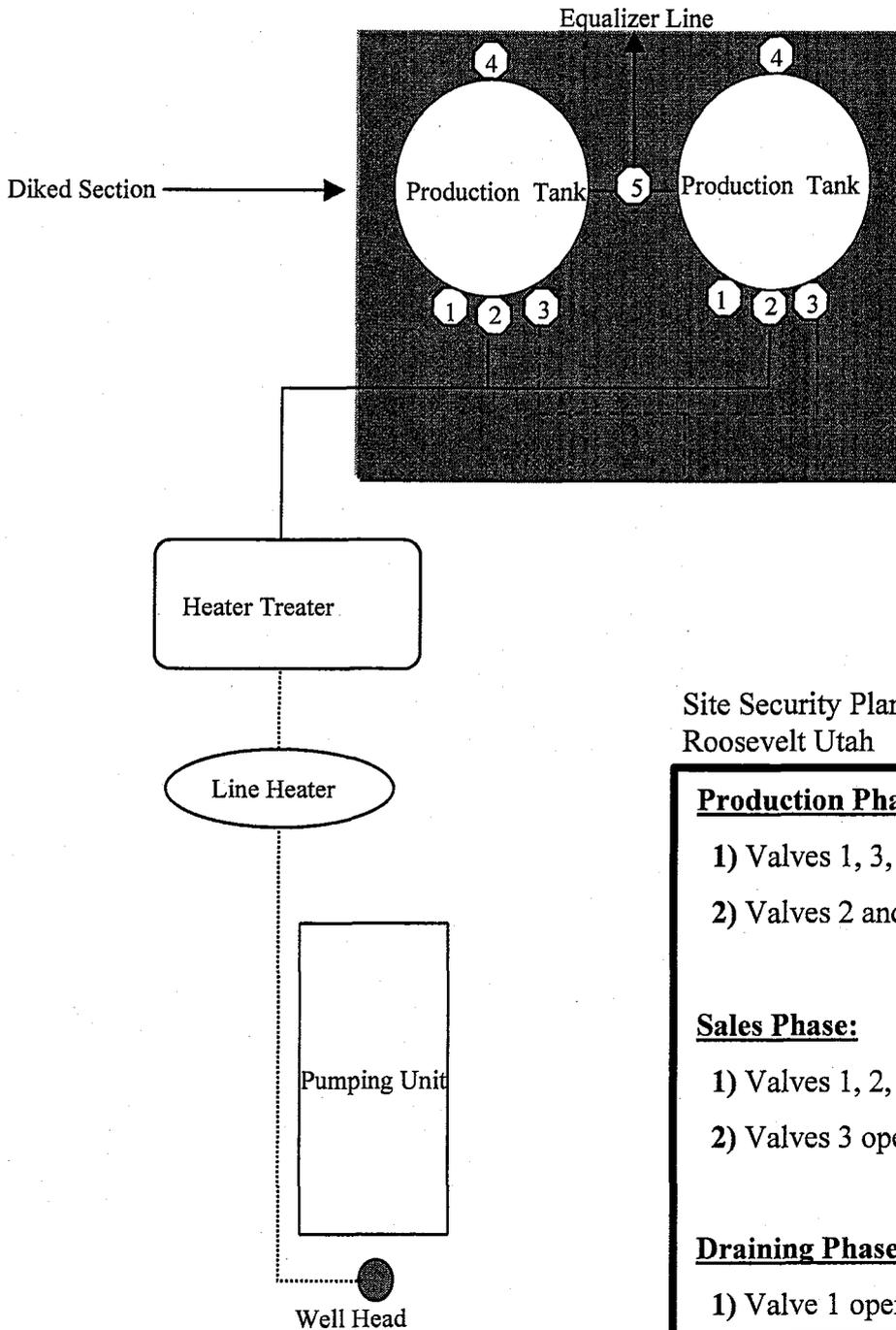
Inland Production Company Site Facility Diagram

Boundary 15-20

SW/SE Sec. 20, T8S, 17E

Duchesne County

Sept. 17, 1998



Legend

Emulsion Line

Load Line

Water Line

Oil Line

Gas Sales

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

Production Phase:

- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2 and 5 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 3 open

Draining Phase:

- 1) Valve 1 open



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18TH STREET - SUITE 300

DENVER, CO 80202-2466

Phone 800-227-8917

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

DEC 12 2003

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
Vice President - Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84052

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

RE: UNDERGROUND INJECTION CONTROL (UIC)
APPROVAL TO INCREASE MAXIMUM
SURFACE INJECTION PRESSURE
EPA Permit No. UT20702-04395
Boundary Federal No. 15-20-8-17
SW SE Sec. 20 - T8S - R17E
Duchesne County, Utah

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) Boundary Area Permit UT20702-00000 (Effective February 8, 1994), Part II, Section C. 4. (b), permits the "Director" to authorize, by letter, an increase in the maximum surface injection pressure (MIP) for the Boundary Federal No. 15-20-8-17 following receipt and approval of a valid Step-Rate Test (SRT).

On November 17, 2003, Inland Production Company (Inland) submitted an SRT, dated November 13, 2003, which was reviewed and approved by the EPA on November 20, 2003. The EPA approved the fracture gradient (FG) of **0.779 psi/ft** for the Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation injection interval.



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

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84111-00581

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

Mr. Nathan Wiser
8ENF-T

To: Lisa
From: Debbie
 Also these are 43-013-

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

#12391 "Greater Boundary (GPRV) Unit"

Lease Name	Status	Operator	Twp	Rge	Sec	Spot	Accounting No.	API Code
BOUNDARY FEDERAL 7-20307500051INJ	INJ	INLAND	08S	17E	20	7.0	UMBOI001	30750 8407
BOUNDARY FED 11-21	INJ	INLAND	08S	17E	21	11.0	UMBOI002	30752 10630
BOUNDARY FEDERAL 15-21	INJ	INLAND	08S	17E	21	15.0	UMBOI003	31622 11924
BOUNDARY FEDERAL #10-20	P&A	N/A	08S	17E	20	10	#N/A	
TAR SANDS FEDERAL 12-28	P&A	INLAND	08S	17E	28	12.0	#N/A	
TAR SANDS FEDERAL #32-29	P&A	N/A	08S	17E	29	7	#N/A	
BOUNDARY FEDERAL 6-20	PDP	INLAND	08S	17E	20	6.0	UMBOP001	31626 11991
BOUNDARY FEDERAL 8-20	PDP	INLAND	08S	17E	20	8.0	#N/A	31993 12329
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 FED 13-28	PDP	INLAND	08S	17E	28	13.0	UMZZP105	12176 31771
TAR SANDS FEDERAL 1-29	PDP	INLAND	08S	17E	29	1.0	UMZZP115	12168 31743
TAR SANDS FEDERAL 8-29	PDP	INLAND	08S	17E	29	8.0	UMZZP117	12242 31922
TAR SANDS FEDERAL 9-29	PDP	INLAND	08S	17E	29	9.0	#N/A	12281 31942
TAR SANDS FEDERAL 12-29	PDP	INLAND	08S	17E	29	12.0	UMZZP113	12261 31924
TAR SANDS FEDERAL 16-29	PDP	INLAND	08S	17E	29	16.0	UMZZP106	12212 31871
TAR SANDS FEDERAL 1-33	PDP	INLAND	08S	17E	33	1.0	UMZZP108	12265 31863
TAR SANDS FEDERAL 2-33	PDP	INLAND	08S	17E	33	2.0	UMZZP107	12271 31867
BOUNDARY FED 5-21	SI	INLAND	08S	17E	21	5.0	UMBOP004	30822 11162
FEDERAL 1-26	SI	INLAND	08S	17E	26	3.0	431162	4304731953 11227

Thanks for your help.

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.

L. CORDOVA (DOGM)
Signature
ENG. TECH Title
6-26-98 Date
Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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Use "APPLICATION FOR PERMIT -" for such proposals

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U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

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8. Well Name and No.

BOUNDARY FEDERAL 15-20

9. API Well No.

43-013-30667

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

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WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

0509 FSL 1994 FEL SW/SE Section 20, T08S R17E

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

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Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
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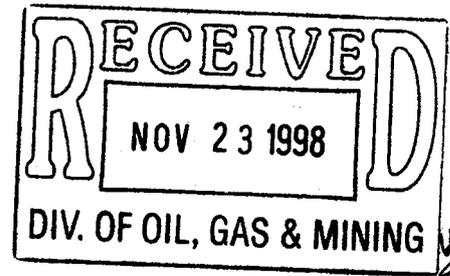
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Workover operations were performed on the above referenced well to repair a casing leak. A mechanical integrity test was performed on 11-17-98. Casing was tested to 1000 psi for 45 minutes, and lost 20 psi.

Attachments:

1. Daily Workover Report"
2. Copy of Chart



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

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

11/20/98

*WTK
3-23-99
PDK*

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CO: UTAH DOGM



Daily Workover Report

BOUNDARY FEDERAL 15-20
SW/SE Section 20, T08S R17E
DUCHESNE Co., Utah
API # 43-013-30667

Spud Date: 6/30/83
POP: 8/5/83
TD: 6910'
WO Rig: CWS #40

11/6/98 PO: Release pkr. (Day 1)

Summary: 11/5/98 – TP: 20, CP: 20. MIRUSU. RU BOP. Release Packer. Work tbg (sticky in casing collars). Pump 65 bbls water down casing @ 270°. Well started circulating w/25 bbls away. TOH w/178 jts tbg, SN, Arrow XS Packer, Wire Line Entry Guide. Pick-up RTTS Packer. TIH w/62 jts tbg. SIFN.
DC: \$1,500 TWC: \$1,500

11/7/98 PO: Locate hole in csg. (Day 2)

Summary: 11/6/98 – TP: 0, CP: 0. Set RTTS Packer @ 1959'. Pressure csg to 1500 psi w/6 bbls water. Leaked back to 1365 psi in 10 minutes. Release Packer. TOH and set packer @ 1764'. Pressure csg to 1500 psi. Leaked back to 1380 psi in 10 minutes. Reseat packer, coming up hole every 180' till couldn't set packer any longer cause compression set packer @ 204'. Drop stand in valve and test tbg to 1500 psi. RD RTTS. RU BV Tension Packer. TIH 180' set Packer and test to 1000 psi. Release Packer. TIH w/62 jts tbg. Set Packer @ 2029'. RU hot oiler. Pressure csg to 1500 psi. Leaked back to 1425 psi in 15 minutes. Release Packer. TOH to 1830'. Set Packer. Pressure csg to 1150 psi. Leaked back to 825 psi in 15 minutes. SIFN.
DC: \$3,700 TWC: \$5,200

11/8/98 PO: Locate hole in csg. (Day 3)

Summary: 11/7/98 - CSG pressure 50 psi. RU hot oil trk to csg and pressure up 1500 psi. Leaked 200 psi in 10 min. Release pkr and TOH w/6 jts tbg. Set pkr @ 1643' and pressure up to 1500 psi. Leaked 110 psi in 10 min. Release pkr and TOH w/6 jts tbg. Set pkr @ 1448' and pressure up 1500 psi. Leaked 100 psi in 10 min. Release pkr and TOH w/6 jts tbg. Set pkr @ 1252' and pressure up to 1500 psi. Leaked 100 psi in 10 min. Release pkr and TOH w/6 jts tbg. Set pkr @ 1057' pressure up to 1500 psi. Leaked 110 psi in 10 min. Release pkr and TOH w/10 jts tbg. Set pkr @ 732' pressured up to 1500 psi. Leaked 110 psi in 10 min. Release pkr and TOH w/10 jts tbg. Set pkr @ 407' pressure up to 1500 psi. Leaked 110 psi in 10 min. Release pkr and TOH w/6 jts tbg. Set pkr @ 211' pressure up to 1500 psi. Leaked 100 psi in 10 min. Set pkr @ 114' lost 100 psi in 10 min. TOH w/3 jts tbg and pkr. (No test.) SDFN.
DC: \$1,700 TWC: \$6,900

11/9/98 SD for Sunday

11/10/98 PO: Locate hole in csg. (Day 4)

Summary: 11/9/98 – TP: 0, CP: 0. RU Halliburton BV Packer, SN, Standin Valve and TIH w/32 jts tbg. Set Packer @ 1050'. Pressure up csg to 1000 psi w/6 bbls water. Leaked back to 900 psi in 10 minutes. Tested tbg to 1000 psi (good). Release pressure and TOH w/tbg. RU Bit and Scraper and TIH w/176 jts tbg. Hang tbg @ 5730'. Circulated 100 bbls water down csg @ 270°. TOH w/tbg. RU different Halliburton BV Packer and SN w/Standin Valve. TIH w/15 jts tbg. Set Packer @ 500'. Tubing standing full of fluid. Packer bypass valve leaking. Reset Packer. Bypass still leaking (reset). Pressure casing to 1500 psi. Leaked back to 1350 psi in 5 minutes. SIFN.
DC: \$2,600 TWC: \$9,500



Daily Workover Report – Page Two

BOUNDARY FEDERAL 15-20
SW/SE Section 20, T08S R17E
DUCHESNE Co., Utah
API # 43-013-30667

Spud Date: 6/30/83
POP: 8/5/83
TD: 6910'
WO Rig: CWS #40

11/11/98 PO: Locate hole in csg. (Day 5)

Summary: 11/10/98 – TP: 0, CP: 0. RU hot oiler. Pressure casing to 1500 psi w/6 bbls water. Leaked back to 1400 psi in 1 minute. Release packer. TOH w/tbg. Set packer @ 175'. Pressure csg to 1500 psi w/1/2 bbl water. Leaked back to 1350 psi in 5 minutes. Release packer. TOH w/tbg. RD Halliburton packer. RU Mtn Sts packer. TIH w/5 jts tbg. Set packer @ 150'. Pressure csg to 1500 psi w/1/4 bbl of water. Leaked back to 1400 psi in 10 minutes. Release packer. TOH w/4 jts tbg. Set packer @ 10'. Pressure csg to 1100 psi w/10 gallons wtr. Leaked back 115 psi in 10 minutes. Layed down packer. RD BOP. Test packing in surface wellhead. Leaks down inside 5-1/2" csg. Ordered parts from Marta-Co Cameron wellhead company. SIFN w/est 8 BWTR. 128 Ttl.
DC: \$5,200 TWC: \$14,700

11/12/98 PO: Locate hole in csg. (Day 6)

Summary: 11/11/98 – TP: 0, CP: 0. RD wellhead. Pick-up casing spear. Go in hole 18'. Try to release casing slips. Have welder extend stub on top of casing to fit different wellhead. RU wellhead. Test wellhead to 3000 psi. RU BOP. TIH w/32-A packer, SN, 5 jts tbg. Set packer @ 199'. Pressure casing to 1500 psi. Leaked back to 1465 psi in 5 minutes, back to 1290 psi in 30 minutes. Release packer. TOH w/4 jts tbg. Set packer @ 18'. Pressure casing to 1300 psi. Bumped pressure up 3 time. Leaked back to 1295 psi in 10 minutes. Release packer. TIH w/2 jts tbg. Set packer @ 105'. Pressure casing to 1300 psi. Leaked back to 1265 psi in 5 minutes. Drop stand-in valve. Pressure tubing to 1000 psi. SIFN. 3 BWTR.
DC: \$3,600 TWC: \$18,300

11/13/98 PO: Set injection pkr. (Day 7)

Summary: 11/12/98 – TP: 720, CP: 100. Packer set @ 105'. Pressure csg to 1300 psi. Leaked back to 1240 psi in 20 minutes. Pressure tbg to 1200 psi (held). Release packer. TOH w/1 jt tbg. Set packer @ 73'. Pressure csg to 1175 psi. Leaked back to 1155 psi in 5 minutes. Pressured tbg to 840 psi (held). Release packer. TOH and set packer @ 45'. Pressured csg to 1300 psi. Leaked back to 1075psi in 10 minutes. Released packer and TOH w/tbg. Set packer @ 33'. Leaked 1125 psi to 975 in 5 minutes. Released packer and TOH w/tbg. Set packer @ 6'. Pressured csg to 1160 psi. Leaked back to 1115 psi in 5 minutes. Filled surface casing w/25 bbls water. Release packer and TOH. RD Mountain States 32-A packer. RU Mountain States Arrow Set 1 packer and SN. TIH w/176 jts tbg. RD BOP. Circulated 90 bbls packer fluid down casing. Set packer @ 5734' w/15,000# tension. Pressure casing 1075 psi. Leaked back to 1005 psi in 30 min. RDMOSU. 12 BWTR.
DC: \$6,700 TWC: \$25,000

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/28/98</u>	Well Owner/Operator: <u>142nd</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>X</u>	Other: _____
API No.: <u>43-013-30667</u>	Well Name/Number: <u>Boundary Fed. 15-20</u>	
Section: <u>20</u>	Township: <u>85</u>	Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi
Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1075</u>	<u>0</u>
5	<u>1050</u>	<u>0</u>
10	<u>1050</u>	<u>0</u>
15	<u>1000</u>	<u>0</u>
20	<u>1000</u>	<u>0</u>
25	<u>975</u>	<u>0</u>
30	<u>950</u>	<u>0</u>

Results: Pass/Fail Pass

Conditions After Test:

Tubing Pressure: 0 psi
Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

well has not been used for injection
prior to this date.

Operator Representative

David W. [Signature]
DOG M Witness

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. UTU-76954</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME GREATER BOUNDARY</p> <p>8. WELL NAME and NUMBER BOUNDARY FEDERAL 15-20-8-17</p> <p>9. API NUMBER 43-013-30667</p> <p>10. FIELD AND POOL, OR WILDCAT TREATY BOUNDARY</p> <p>COUNTY DUCHESNE STATE UTAH</p>
<p>2. NAME OF OPERATOR INLAND PRODUCTION COMPANY</p>	
<p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p>	
<p>4. LOCATION OF WELL</p> <p>Footages 509 FSL 1994 FEL</p> <p>QQ, SEC, T, R, M: SW/SE Section 20, T08S R17E</p>	

<p>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA</p>																											
<p>NOTICE OF INTENT: (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td><input type="checkbox"/> MULTIPLE COMPLETION</td> <td><input type="checkbox"/> WATER SHUT OFF</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> OTHER _____</td> </tr> </table>	<input type="checkbox"/> ABANDON	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> WATER SHUT OFF	<input type="checkbox"/> OTHER _____		<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> ABANDON*</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> REPAIR CASING</td> <td><input type="checkbox"/> PULL OR ALTER CASING</td> </tr> <tr> <td><input type="checkbox"/> CHANGE OF PLANS</td> <td><input type="checkbox"/> RECOMPLETE</td> </tr> <tr> <td><input type="checkbox"/> CONVERT TO INJECTION</td> <td><input type="checkbox"/> REPERFORATE</td> </tr> <tr> <td><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE</td> <td><input type="checkbox"/> VENT OR FLARE</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> OTHER Step Rate Test</td> </tr> </table> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p>*Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> ABANDON*	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input checked="" type="checkbox"/> OTHER Step Rate Test	
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<input checked="" type="checkbox"/> OTHER Step Rate Test																											

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 3/15/01. Results from the test indicate that the fracture gradient is .720 psi. Therefore, Inland is requesting that the MAIP be changed to 1650 psi.

13. NAME & SIGNATURE: *Michael Guinn* TITLE District Engineer DAT 4/13/01

Michael Guinn

(This space for State use only)

* See Instructions On Reverse Side

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

Date: 04-24-01

By: *[Signature]*

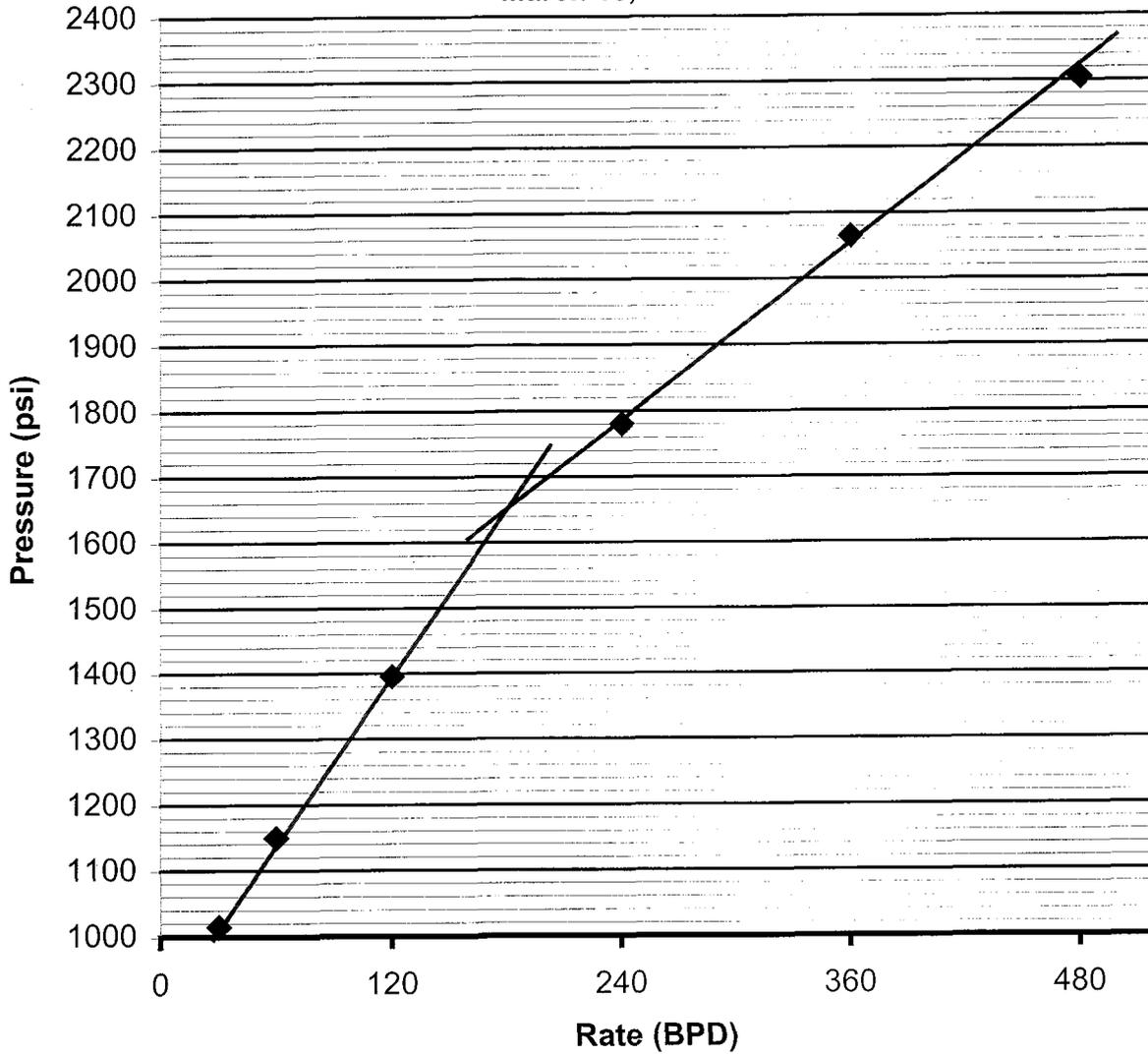
RECEIVED

APR 17 2001

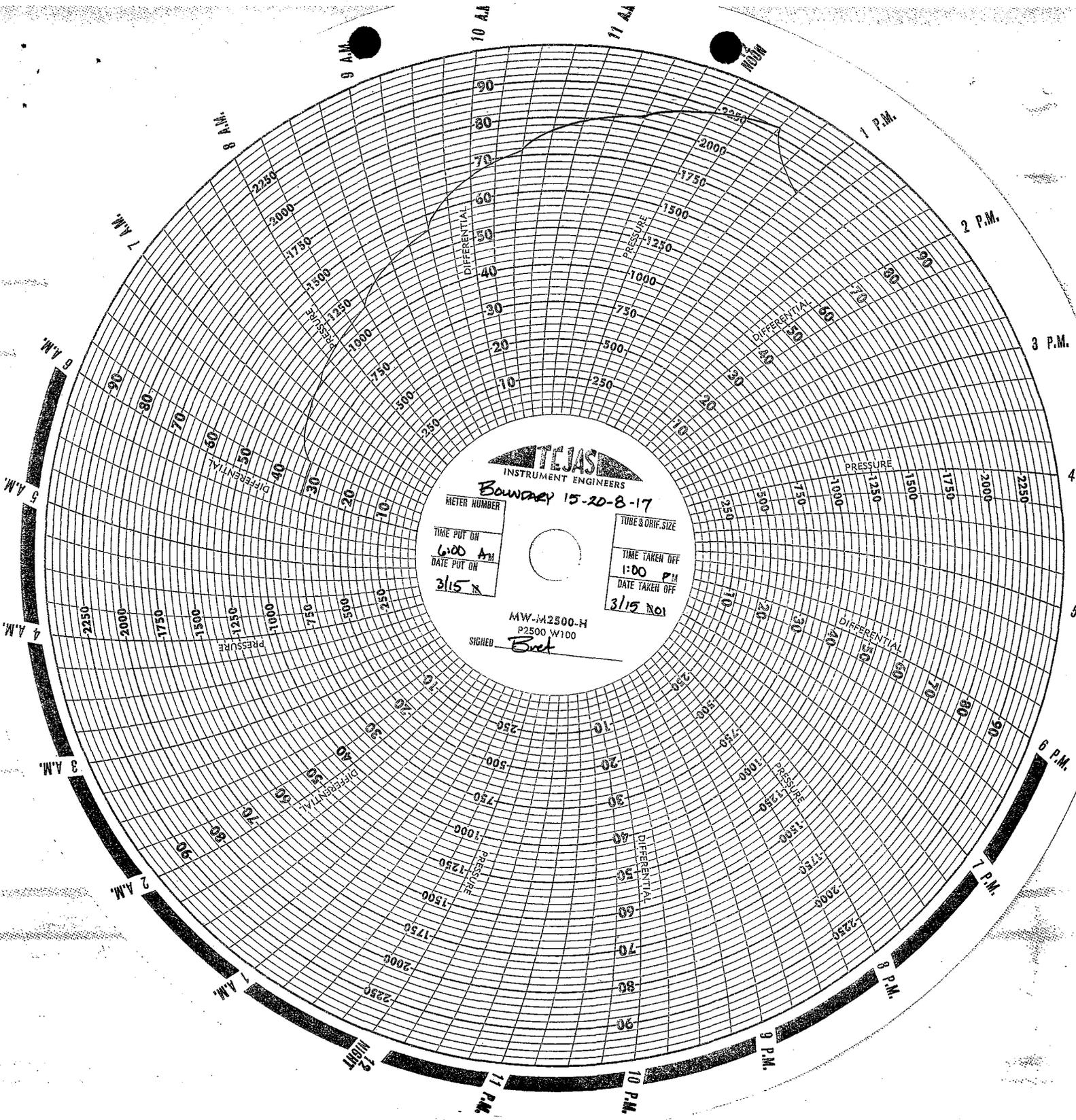
DIVISION OF
OIL, GAS AND MINING

*04-24-01
CHD*

Boundary 15-20-8-17
 Greater Boundary Unit
 Step Rate Test
 March 15, 2001



	Step	Rate(bpd)	Pressure(psi)
Start Pressure:	1	30	1015
ISIP:	2	60	1150
Fracture pressur	3	120	1395
Top Perforation:	4	240	1780
FG:	5	360	2065
	6	480	2305



DIFFERENTIAL

PRESSURE

PRESSURE

DIFFERENTIAL

PRESSURE

DIFFERENTIAL

PRESSURE

PRESSURE

DIFFERENTIAL

PRESSURE

DIFFERENTIAL

PRESSURE

1 A.M.

2 A.M.

3 A.M.

4 A.M.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 MIDD.

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

11 P.M.

12 NIGHT

ROOM

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

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. UTU-76954	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME BOUNDARY FED 15-20	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO. BOUNDARY FED 15-20	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/SE Section 20, T8S R17E 509 FSL 1994 FEL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/SE Section 20, T8S R17E	
14. API NUMBER 43-013-30667	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5288 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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"/> 5 Year	
(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 five year MIT was conducted on the subject well. On 10/13/03 Al Craver w/EPA was contacted of the intent to conduct a MIT on the casing. On 10/13/03 the casing was pressured to 1235 psi w/no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 10/13/2003
Krishna Russell

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

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

* See Instructions On Reverse Side

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

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OCT 15 2003
DIV. OF OIL, GAS & MINING**

RECEIVED

OCT 15 2003

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 10 / 13 / 03
Test conducted by: BRET HENZIE
Others present: _____

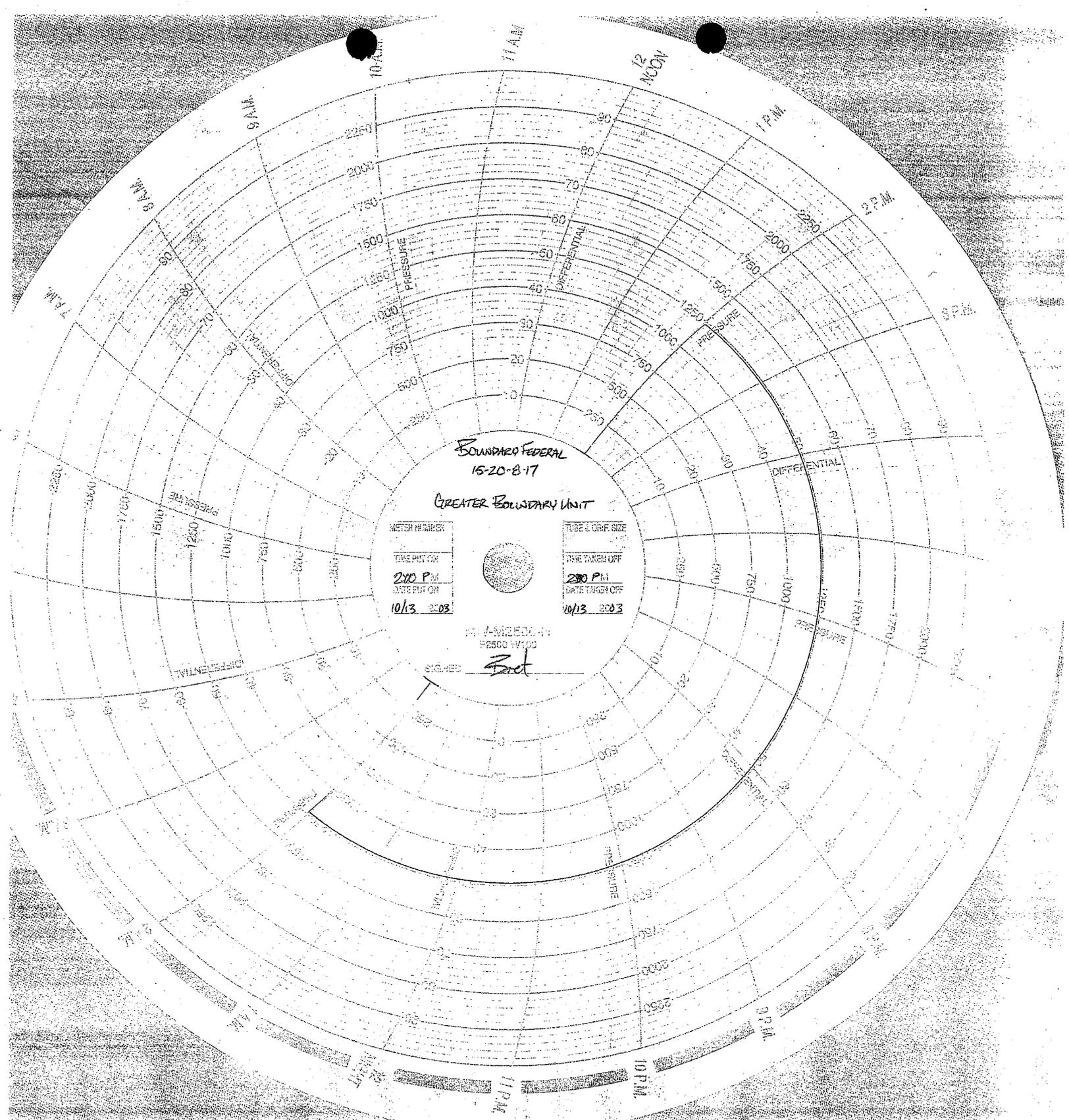
Well Name: <u>BOUNDARY FEDERAL 16-20-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>GREATER BOUNDARY UNIT</u>		
Location: <u>SW/SE</u> Sec: <u>20</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>INLAND</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1648</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>1620</u> psig			
End of test pressure	<u>1620</u> psig			
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1235</u> psig			
5 minutes	<u>1235</u> psig			
10 minutes	<u>1235</u> psig			
15 minutes	<u>1235</u> psig			
20 minutes	<u>1235</u> psig			
25 minutes	<u>1235</u> psig			
30 minutes	<u>1235</u> psig			
minutes	psig			
minutes	psig			
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?



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OCT 15 2003
DIV. OF OIL, GAS & MINING

INJECTION WELL DATA
(DATA INPUT SHEET FOR COMPUTER)

Township: 8S Range: 17E Section: 20 Qtr/Qtr: SW/SE
API No: 43-03-30667
Operator Nm: INLAND PRODUCTION COMPANY Account No: NS160
Well Nm: BOUNDARY FEDERAL 15-20
Field Nm: MONUMENT BUTTE Field No: 105
Unit Nm: BOUNDARY Unit No: 420
Cause No: UIC-189
1st Inj: 2/17/99 Surf Csg: 8 7/8 Set @: 290
Avg InjP: 1100 Int Csg: _____ Set @: _____
Max InjP: 1678 Prod Csg: 5 1/2 Set @: 6812
Max Rate: 1000 Liner: _____ Set @: _____
PBSD: 6769 Tbg: 2 7/8 Set @: 5729
TD: 6910 Dual Completion: Y
Inj Zone: 5789-5846 Well Type: INJW
Formation: GRRV Lease Type: BLM
Approval: 9/18/97 Surf Owner: BLM
PA Date: _____ Indian Country: N

TEST DATE: 11/17/98

TEST TYPE: PRESSURE

WITNESSED: Y

1000 PSI/HELD 2 45 MINS

COMMENTS:

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well</p> <p>2. NAME OF OPERATOR INLAND PRODUCTION COMPANY</p> <p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p> <p>4. LOCATION OF WELL</p> <p>Footages 509 FSL 1994 FEL</p> <p>QQ, SEC, T, R, M: SW/SE Section 20, T8S R17E</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. UTU-76954</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME GREATER BOUNDARY</p> <p>8. WELL NAME and NUMBER BOUNDARY FED 15-20</p> <p>9. API NUMBER 43-013-30667</p> <p>10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE</p> <p>COUNTY DUCHESNE STATE UTAH</p>
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
<p>NOTICE OF INTENT: (Submit in Duplicate)</p> <p><input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF</p> <p><input type="checkbox"/> OTHER _____</p>	<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <p><input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input checked="" type="checkbox"/> OTHER <u>Step Rate Test</u></p> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG Form.</p> <p><small>*Must be accompanied by a cement verification report.</small></p>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 11/13/03. The parting pressure of the formation was not reached during the test. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1990 psi which was the recorded instantaneous shut in pressure. See the attached graph for further details.

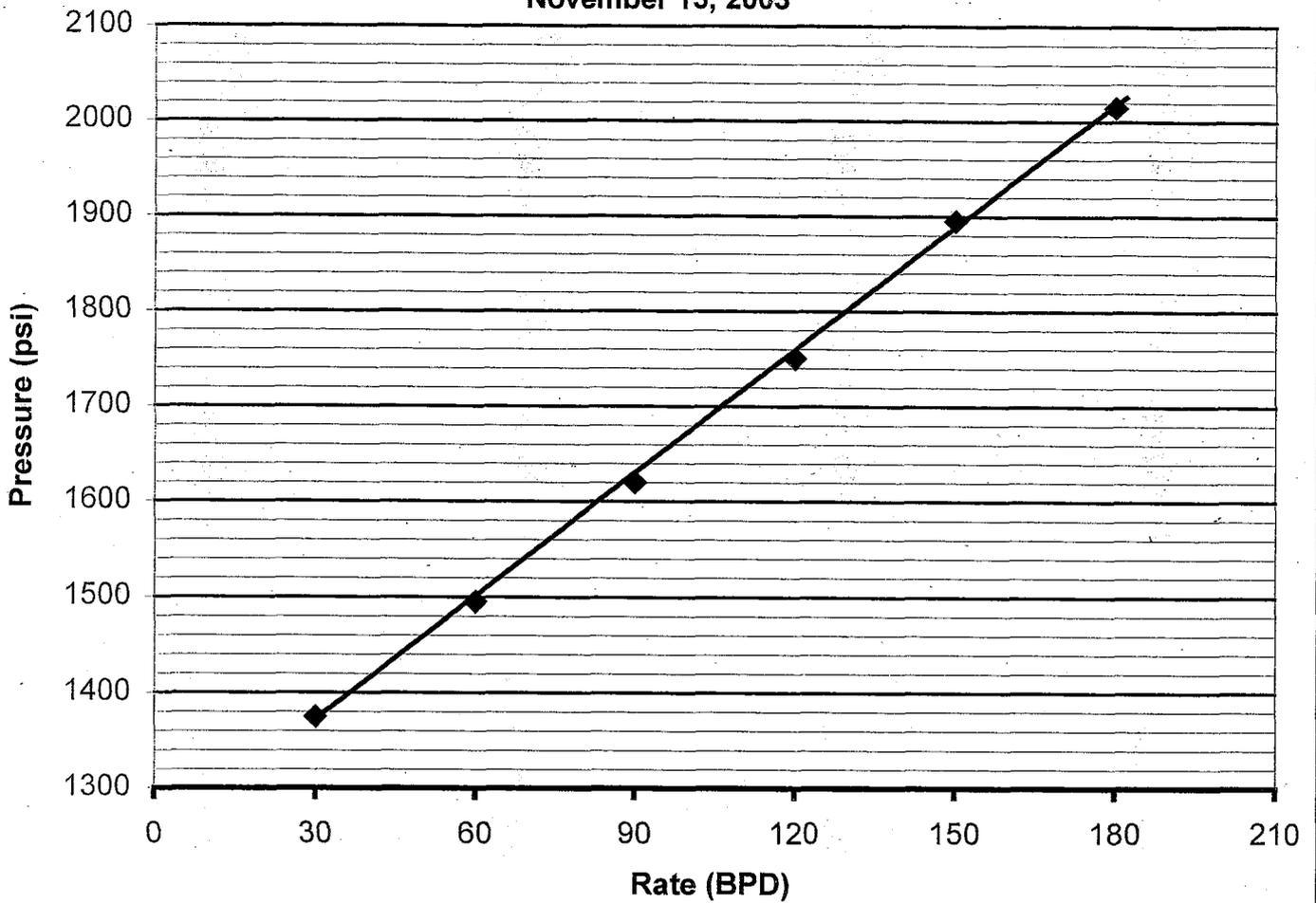
13. NAME & SIGNATURE: Michael Guinn **TITLE:** Vice President of Operations **DATE:** 11/17/2003

(This space for State use only)

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

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DIV. OF OIL, GAS & MINING**

**Boundary Federal 15-20-8-17
Greater Boundary Unit
Step Rate Test
November 13, 2003**



Start Pressure: 1245 psi
Instantaneous Shut In Pressure (ISIP): 1990 psi
Top Perforation: 5787 feet
Fracture pressure (P_{fp}): 1990 psi
FG: 0.779 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	1375
2	60	1495
3	90	1620
4	120	1750
5	150	1895
6	180	2015

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NOV 19 2003
 DIV. OF OIL, GAS & MINING

Boundary Fed.
15-20-8-17

5:10/A
11/13 03

12:10/P
11/13 03

88MSU
D.P. Timmer



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		



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: (303) 893-0102
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: _____
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*
 Title: *Perk. Services Manager*

Approval Date: 9-20-04

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

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
509 FSL 1994 FEL
SWSE Section 20 T8S R17E

5. Lease Serial No.

USA UTU-76954

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

8. Well Name and No.
BOUNDARY FED 15-20

9. API Well No.
4301330667

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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

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

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

The above mentioned well was Plugged and Abandoned. See attached Daily Completion Reports.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Tech.
Signature <i>Mandie Crozier</i>	Date 11/09/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

RECEIVED

NOV 10 2009

DIV. OF OIL, GAS & MINING



DAILY WORKOVER REPORT

WELL NAME: Boundary Federal 15-20-8-17

Report Date: 09-03-08

Day: 1

Present Operation: Plug & Abandon

Rig: NC# 3

WELL STATUS

Surf Csg: 8-5/8 @ 290' Prod Csg: 5-1/2" @ 6812' WT: 17# Csg PBD: _____
 Tbg: Size: 2-7/8" Wt: 6.5 Grd: J-55 Pkr/EOT @: 5734' BP/Sand PBD: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>LODC</u>	<u>5787-92'</u>	_____	_____	_____	_____
<u>LODC</u>	<u>5802-16',24-46'</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 02-Sep-08 SITP: _____ SICP: _____

MIRUSU. X-over to TBG equip. Bleed off TBG. ND wellhead. NU BOPs. RU work floor. Release packer. Drop Standing valve & pump 20 bbls water no press. RU sandline. RIH w/ sandline & seat standing valve. Press test TBG to 3000 psi. Good test. TOH w/ 176 jts 2 7/8" TBG & arrow XS packer. MU bit & scraper. TIH w/ 179 jnts 2 7/8" TBG. TOH w/ 179 jts 2 7/8" TBG & bit & scraper. MU 5 1/2" CIBP. TIH w/ 176 jts 2 7/8" TBG. SDFN

FLUID RECOVERY (BBLs)

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

TUBING DETAIL

ROD DETAIL

COSTS

WIRELINE ENTRY GUIDE
ARROW XS PACKER
SN
176 JTS TBG
EOT @ 5734'

casing collars
5640'
5681'
5721'
5761'

NC# 3	5,288
NPC Supervision	300
Heat Waves	1,438
Weatherford BOP	300
Weatherford Tools	2,347
Multichem	400
NPC Trucking	300
_____	_____
_____	_____

DAILY COST: \$10,373

TOTAL WELL COST: \$10,373

Workover Supervisor: Chris Billings



DAILY WORKOVER REPORT

WELL NAME: Boundary Federal 15-20-8-17

Report Date: 09-04-08

Day: 2

Present Operation: Plug & Abandon

Rig: NC# 3

WELL STATUS

Surf Csg: 8-5/8 @ 290' Prod Csg: 5-1/2" @ 6812' WT: 17# Csg PBDT: 6769'
Tbg: Size: 2-7/8" Wt: 6.5 Grd: J-55 Pkr/EOT @: 5734' BP/Sand PBDT:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include LODC 5787-92' and LODC 5802-16',24-46'.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 03-Sep-08 SITP: 300 SICP: 300

Bleed pressure off well. Set CIBP @ 5744'. RU HO trk & circ well W/ 50 BW (clean wtr--no gas). Isolate wellhead & pressure up against BP to 1500 psi. Lost 50 psi first 15 minutes, then add' 30 psi next 15. Decision made to P & A well. TOH W/ tbg--LD setting tool. TIH W/ open ended tbg to 5739'. RU BJ Services to tbg. Mix & pump 15 sks class G neat cmt (1.15 cf/sk yld @ 15.8 ppg = 3 bbls slurry) & balance across EOT (TOC @ 5613'). Pull EOT to 5596'. Rev circ well W/ 40.8 bbls 9 ppg gel & spot across EOT (top of gel @ 3837'). LD tbg to place EOT @ 3837'. Mix & pump 20 sks class G neat cmt W/ 1% CaCL2 (1.15 cf/sk yld @ 15.8 ppg = 4.1 bbls slurry) & balance across EOT (TOC @ 3660'). Pull EOT to 3642'. Rev circ well W/ 28.6 bbls 9 ppg gel & balance across EOT (top of gel @ 2409'). LD tbg to place EOT @ 2408'. Mix & pump 20 sks class G neat cmt W/ 1% CaCL2 (1.15 cf/sk yld @ 15.8 ppg = 4.1 bbls slurry) & balance across EOT (TOC @ 2231'). Pull EOT to 2116'. Rev circ well W/ 9 ppg gel until good gel to pit. TOH W/ tbg to 1791' and SIFN. Will tag 3rd plug in AM.

Bill Owens W/ BLM witnessed todays activities.

FLUID RECOVERY (BBLs)

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

TUBING DETAIL

ROD DETAIL

COSTS

Table with 3 columns: Tubing Detail, Rod Detail, Costs. Costs include NPC Supervision (300), Hot Oil Express trk (630), Weatherford BOP (300), ITL trks (2,700), Lamb trucking (831), ITL wtr disposal (600), NDSI dirt work (400), Boren liner/fence (\$500).

DAILY COST: \$11,764

TOTAL WELL COST: \$22,137

Workover Supervisor: Gary Dietz



DAILY WORKOVER REPORT

WELL NAME: Boundary Federal 15-20-8-17

Report Date: 09-05-08

Day: 3

Present Operation: Plug & Abandon

Rig: NC# 3

WELL STATUS

Surf Csg: 8-5/8 @ 290' Prod Csg: 5-1/2" @ 6812' WT: 17# Csg PBTD: 6769'
Tbg: Size: 2-7/8" Wt: 6.5 Grd: J-55 Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include LODC 5787-92' and LODC 5802-16',24-46'.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Sep-08 SITP: SICP:

No pressure on well. RIH W/ tbg f/ 1791'. Seen "green" cmt @ 2240', then set 5K down @ 2253' (BLM witness is OK). LD remaining tbg. RU Perforators LLC. RIH W/ 3 1/8" slick gun & perf 4 holes in 5 1/2" casing @ 340'. RU BJ Services & pump down 5 1/2 and establish circulation through holes W/ 13 bbls. Circulate 1 volume (24 bbls). Mix & pump 151 sks Class G neat cmt (1.15 cf/sk yld @ 15.8 ppg=31 bbls) total. Let set twice & refilled. Cement still falling (out of cmt). RD BJ. ND BOP. RDMOSU. Dig cellar & cutoff wellhead. TOC inside 5 1/2 @ 67', in 5 1/2 X 8 5/8 annulus @ 9'. Dig out, cut off & remove deadmen.

Bill Owens W/ BLM witnessed todays activities.

FLUID RECOVERY (BBLs)

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

TUBING DETAIL

ROD DETAIL

COSTS

Table with 3 columns: Tubing Detail, Rod Detail, Costs. Costs include NC# 3 (2,701), NPC Supervision (300), BJ Services (18,425), Weatherford BOP (300), ITL wtr & trk (2,700), MI Swaco - gel (1,335), ITL wtr disposal (800), NDSI loc cleanup (1,000), NDSI welder (\$500), Perforators LLC (\$1,560).

DAILY COST: \$29,621

Workover Supervisor: Gary Dietz

TOTAL WELL COST: \$51,758