

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
Lomax Exploration Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface SW/SW  
At proposed prod. zone 660' FSL 660' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12 Miles NW of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5409.5'

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'	240 sx Class G + 2% CaCl
7 7/8	5 1/2	15.5#	TD	530 sx Hilift followed by
				450 sx Class G w 2% CaCl

5. LEASE DESIGNATION AND SERIAL NO.  
U-67170

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Monument Butte Federal

9. WELL NO.  
#13-25

10. FIELD AND POOL OF WILDCAT

11. SEC., T., R., M. OR B.L.K. AND SURVEY OR AREA  
Sec. 25, T8S, R16E

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

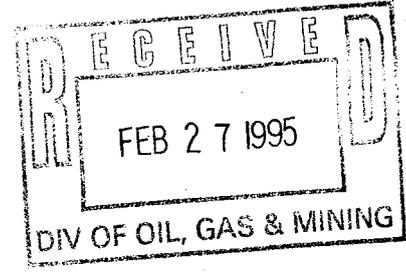
16. NO. OF ACRES IN LEASE 960

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

19. PROPOSED DEPTH 6500'

20. ROTARY OR CABLE TOOLS Rotary

22. APPROX. DATE WORK WILL START\*  
2nd Quarter 1995



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

24. SIGNED Brad Mecham *Brad Mecham* TITLE Operations Manager DATE 2/14/95

(This space for Federal or State office use)

PERMIT NO. 43-013-31513 APPROVAL DATE

APPROVED BY *J. Matthews* TITLE Petroleum Engineer DATE 3/27/95

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

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

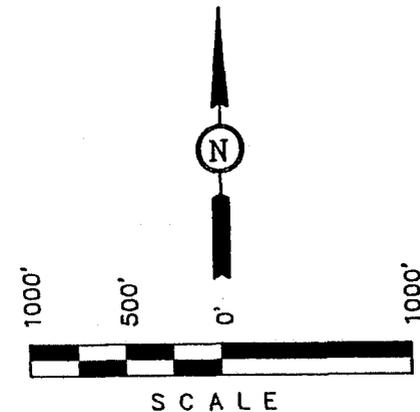
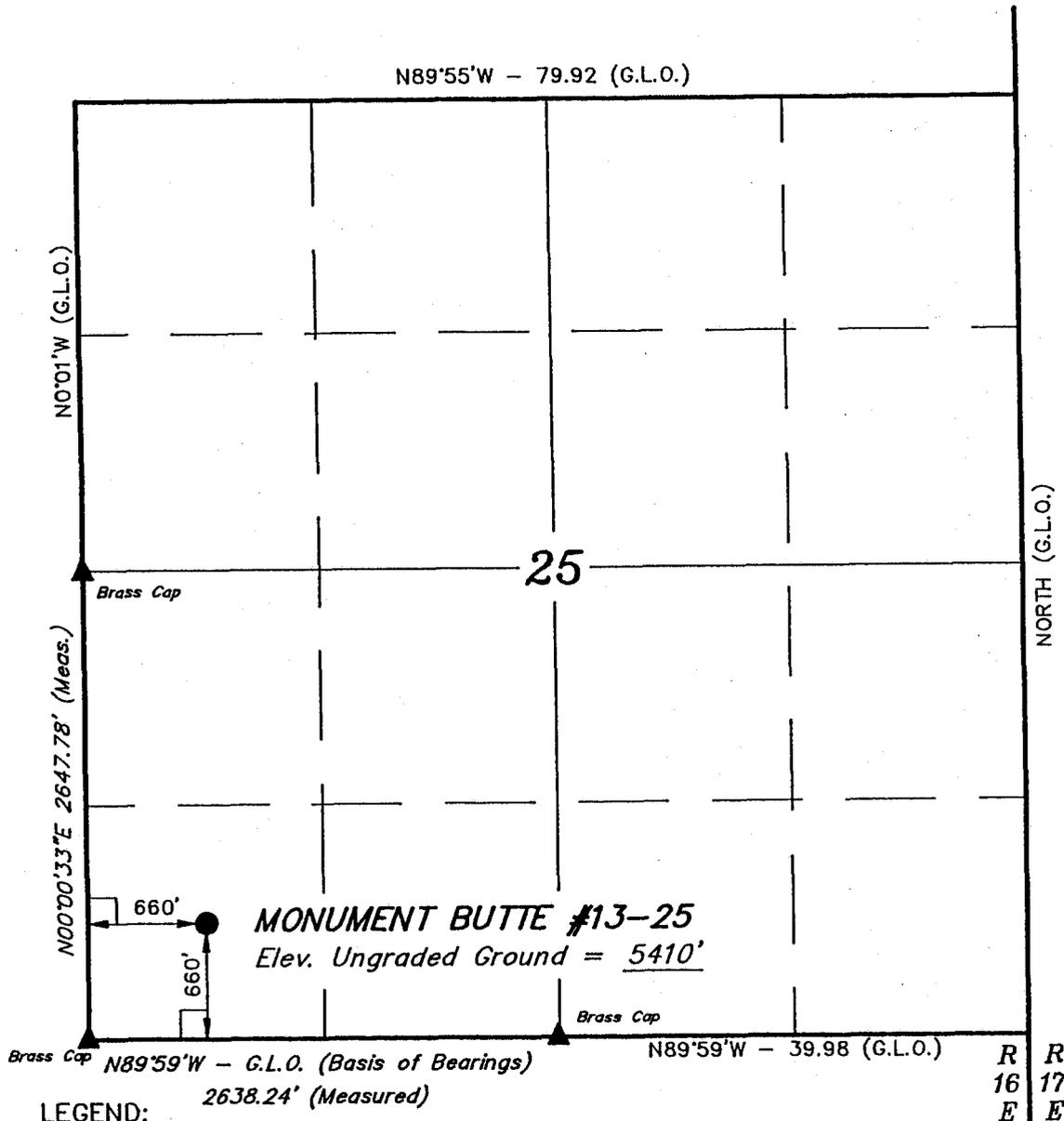
T8S, R16E, S.L.B.&M.

LOMAX EXPLORATION CO.

Well location, MONUMENT BUTTE #13-25, located as shown in the SW 1/4 SW 1/4 of Section 25, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 25, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5424 FEET.



CERTIFICATE

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

*Robert Strey*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 181319  
STATE OF UTAH

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

LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 1-31-95	DATE DRAWN: 2-3-95
PARTY B.B. R.C. D.J.S.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE LOMAX EXPLORATION CO.	

**MONUMENT BUTTE FEDERAL #13-25  
SW/SW SEC.25, T8S, R16E  
DUCHESNE COUNTY, UTAH  
LEASE #U-67170**

**HAZARDOUS MATERIAL DECLARATION**

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

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

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

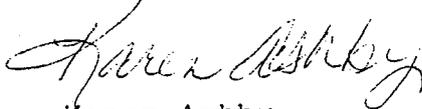
February 3, 1995

TO WHOM IT MAY CONCERN:

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

Johnson Water District has given permission to Lomax Exploration Company to use water from our system for the purpose of drilling and completing the Monument Butte Federal 5-1, 13-25, and 15-34.

Sincerely,



Karen Ashby,  
Secretary

8. TESTING, LOGGING AND CORING PROGRAMS:

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

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence in the 2nd Quarter, 1995 and take approximately nine days to drill.

**LOMAX EXPLORATION COMPANY  
MONUMENT BUTTE FEDERAL #13-25  
SW/SW SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' - 3030'
Green River	3030'
Wasatch	6070'

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

Green River Formation 5000' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

(See Exhibit F)

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

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

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

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

8. TESTING, LOGGING AND CORING PROGRAMS:

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

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence in the 2nd Quarter, 1995 and take approximately nine days to drill.

**LOMAX EXPLORATION COMPANY  
MONUMENT BUTTE FEDERAL #13-25  
SW/SW SECTION 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Lomax Exploration Company well location site Monument Butte Federal #13-25 located in the SW 1/4 SW 1/4 Section 25, T8S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 1.9 miles to its junction with Utah State Highway 216; proceed southerly along State Highway 216 - 4.4 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to its junction with an existing dirt road to the south; proceed southeasterly along this road .8 miles to its junction with an existing dirt road to the East; proceed easterly .6 miles to its intersection with the beginning of the proposed access road to be discussed in item #2.8

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

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

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

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SW 1/4 NE 1/4 Section 35, T8S, R16E, S.L.B. & M., and proceeds in a north/easterly direction approximately .8 miles  $\pm$  to the proposed location site.

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

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

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

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

3. LOCATION OF EXISTING WELLS

There are five (5) producing, four (4) injection, Lomax Exploration wells, two (2) unknown P&A wells within a one (1) mile radius. See Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

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

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

5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well will be transported through a temporary surface pipeline from our pre-approved Lomax Exploration Company fresh water supply line located at the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E) location as indicated on Topographic Map - Exhibit "C".

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

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A reserve pit will be constructed and lined with a plastic nylon reinforced line so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The line will overlap the pit wall and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the onshore order #7, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

A portable toilet will be provided for human waste.

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

8. ANCILLARY FACILITIES

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

9. WELL SIT LAYOUT

See attached Location Layout Sheet - Exhibit "E".

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

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be stored on the south side between stakes 1 & 2.

Access to the well pad will be from the east side near stake 8.

Corner 6 will be rounded to avoid the drainage.

Fencing Requirements

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

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

12. OTHER ADDITIONAL INFORMATION

- a) Lomax Exploration Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Lomax is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Lomax Exploration will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

There are no dwellings or facilities in the general area. There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (cultural resources attached.)

*Additional Surface Stipulations*

A silt catchment dam will be built at flagged location.

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

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

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

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

- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

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

If a plastic nylon reinforced liner is used, it shall be torn and perforated before back filling of the reserve pit.

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

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

b) *Dry Hole Abandoned Location*

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

11. SURFACE OWNERSHIP - Bureau Of Land Management

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
Address: P.O. Box 1446 Roosevelt, Utah 84066  
Telephone: (801) 722-5103

Certification

Please be advised that LOMAX EXPLORATION COMPANY is considered to be the operator of Well #13-25 SW/SW Section 25, Township 8S, Range 16E: Lease #U-67170 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

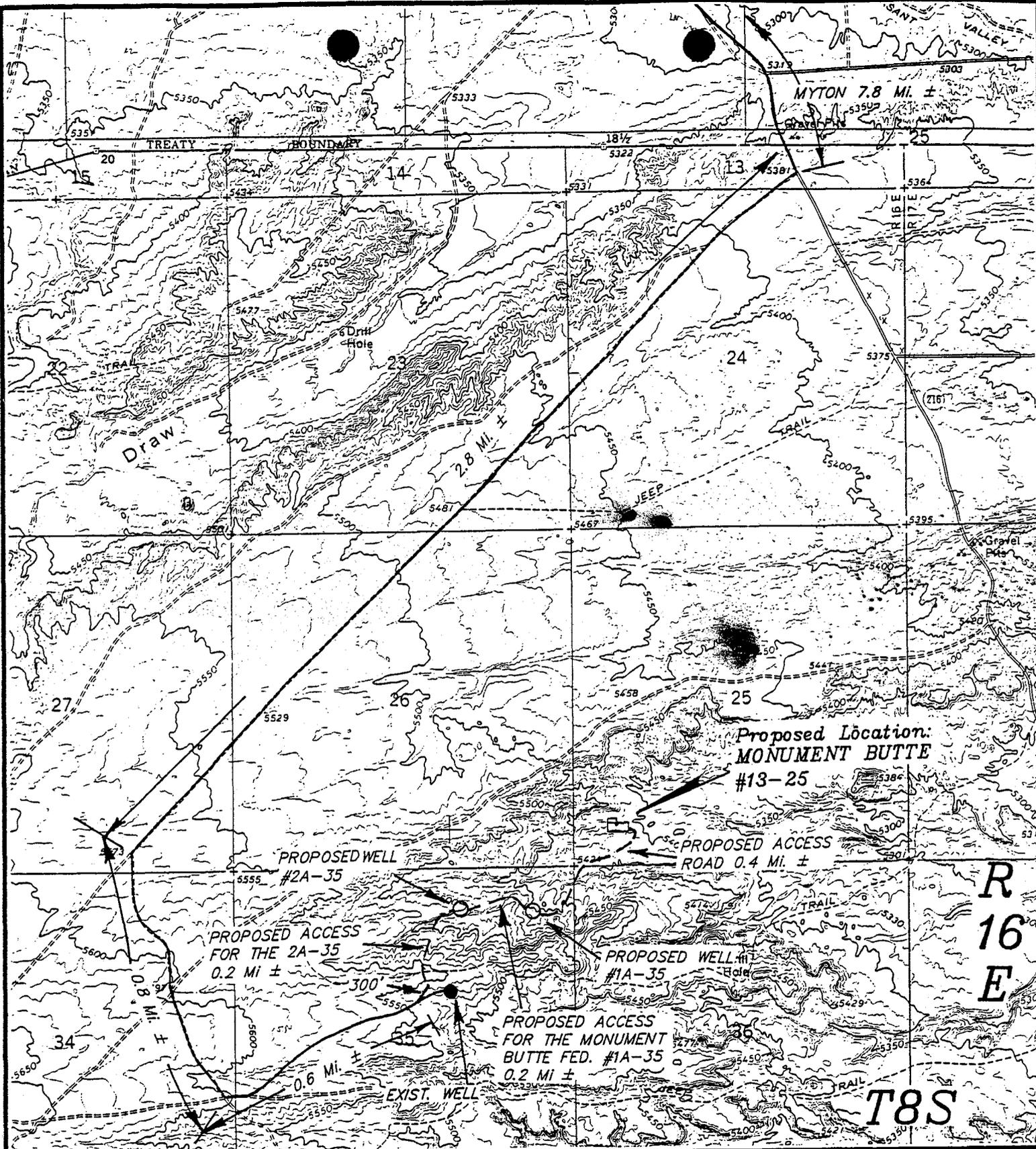
2-23-95

Date

Brad Mecham

Brad Mecham  
Operations Manager





R  
16  
E

T8S

TOPOGRAPHIC  
 MAP "B"  
 SCALE: 1" = 2000'  
 DATE: 2-5-95 D.J.S.



LOMAX EXPLORATION CO.  
 MONUMENT BUTTE #13-25  
 SECTION 25, T8S, R16E, S.L.B.&M.  
 660' FSL 660' FWL

POWER LINE

JOHNSON WATER LINE

R 2 W

WATER SOURCE

ALTERNATE ACCESS ROAD

# Lomax

## RIGHT-OF-WAY and ACCESS FOR FRESH WATER PIPELINE

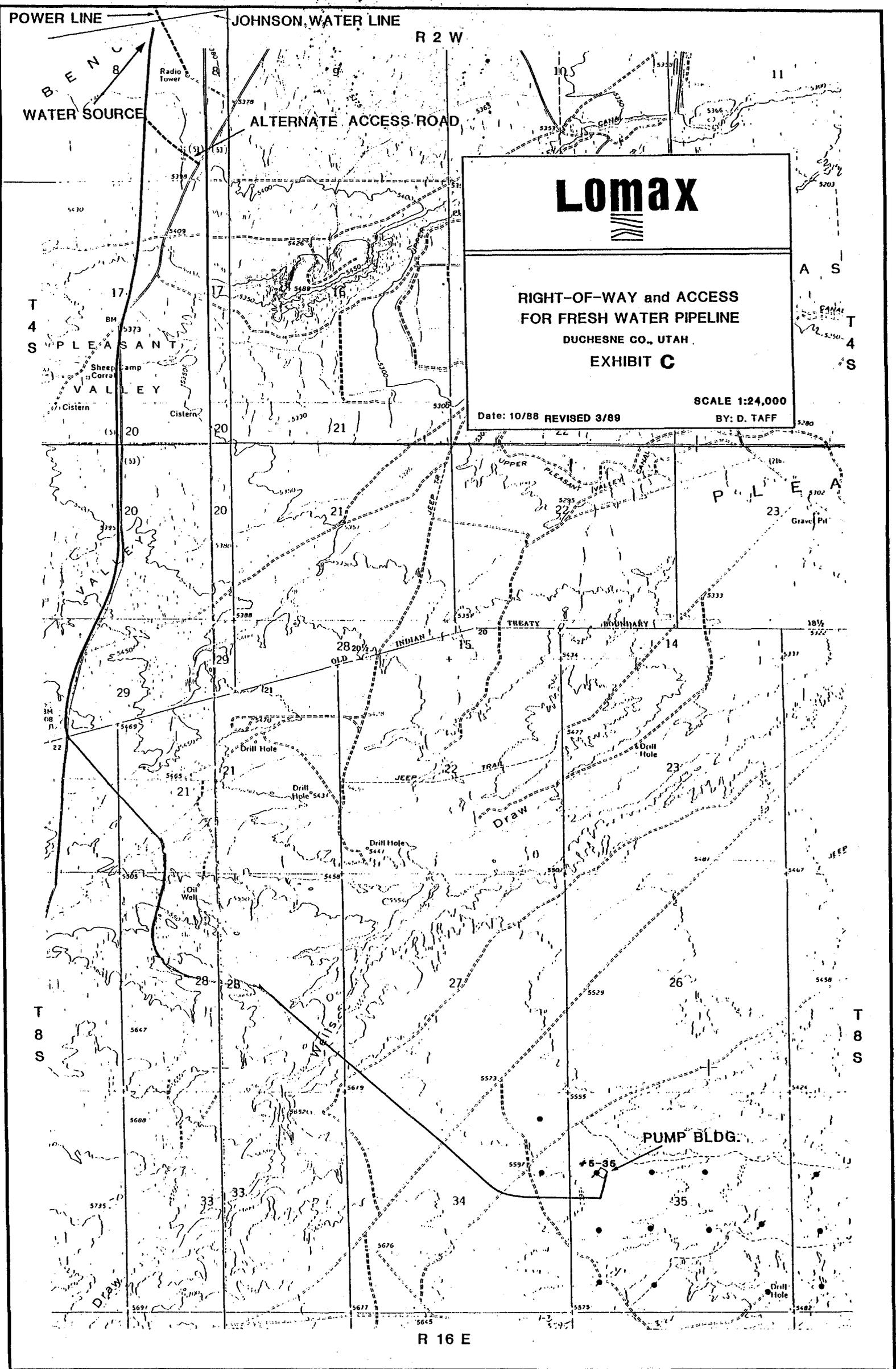
DUCHESNE CO., UTAH

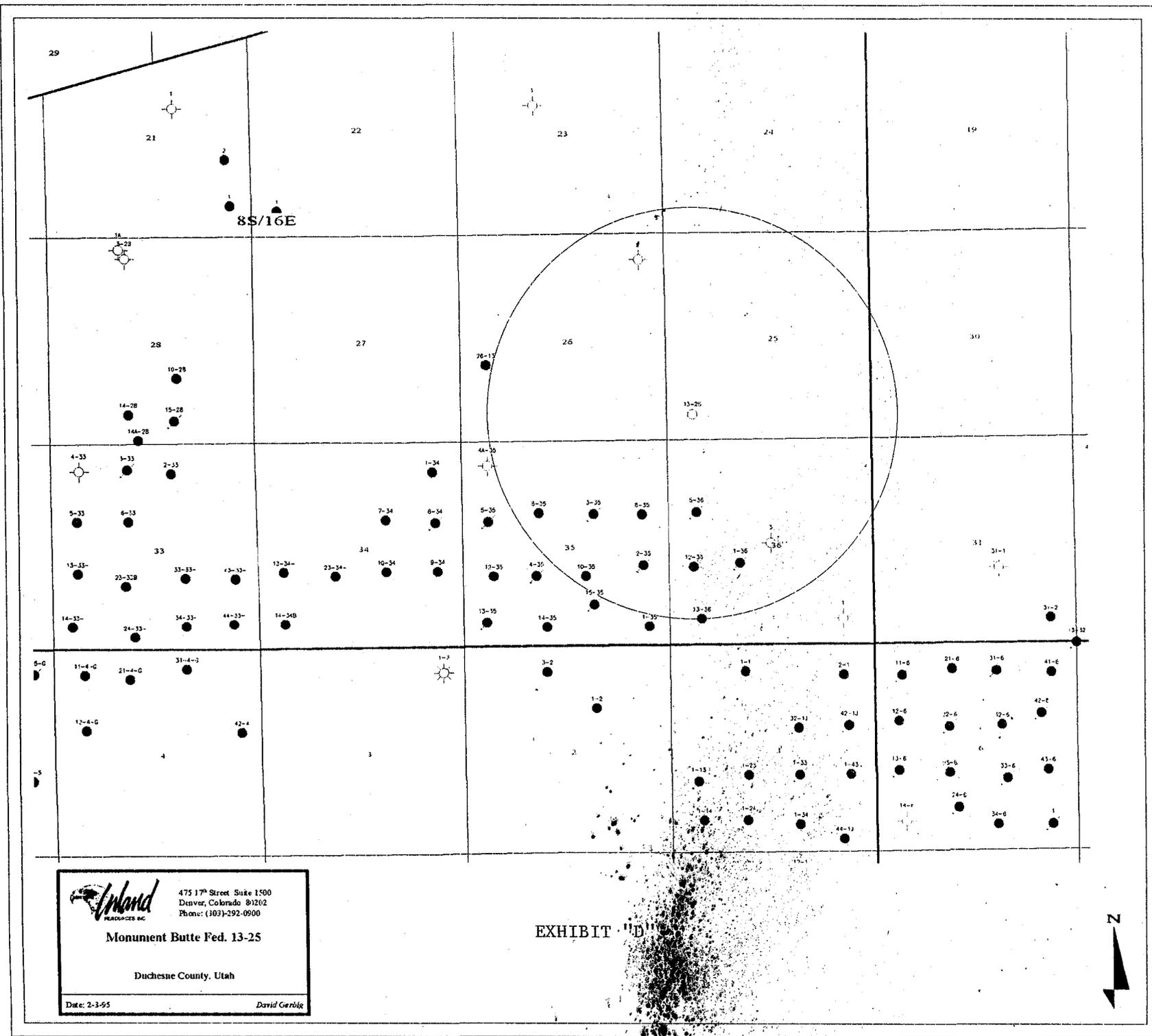
### EXHIBIT C

SCALE 1:24,000

Date: 10/88 REVISED 3/89

BY: D. TAFF






 475 17<sup>th</sup> Street, Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 292-0500  
**Monument Butte Fed. 13-25**  
 Duchesne County, Utah  
 Date: 2-3-95 David Gerbig

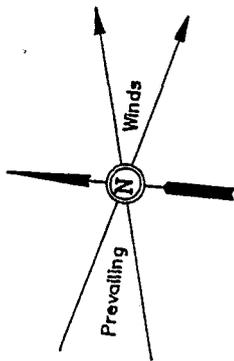
EXHIBIT "D"



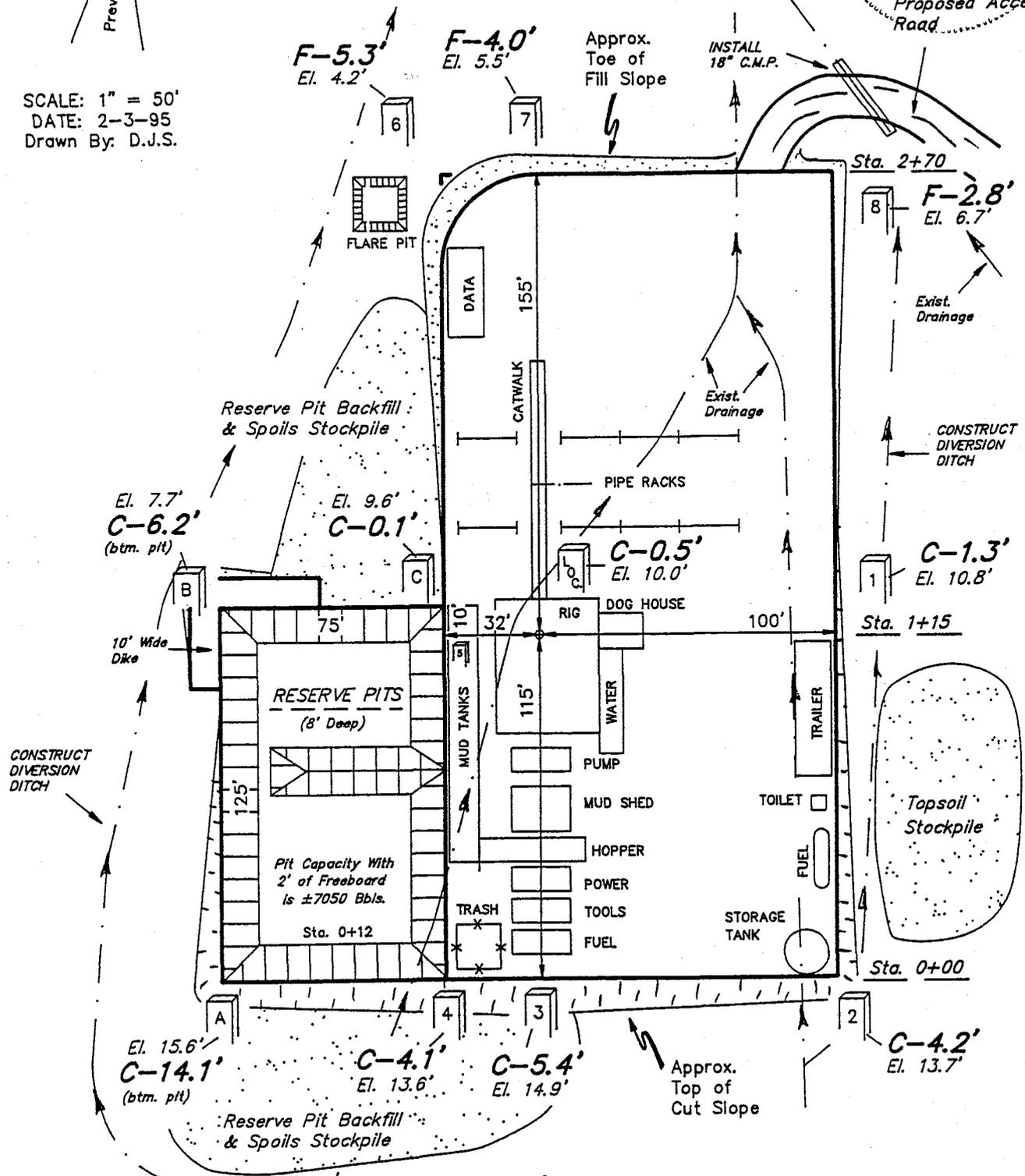
# LOMAX EXPLORATION CO.

## LOCATION LAYOUT FOR

MONUMENT BUTTE #13-25  
SECTION 25, T8S, R16E, S.L.B.&M.  
660' FSL 660' FWL



SCALE: 1" = 50'  
DATE: 2-3-95  
Drawn By: D.J.S.

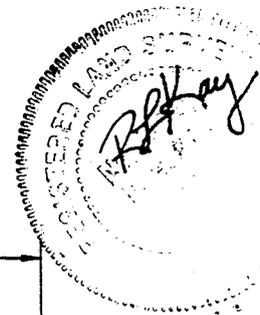
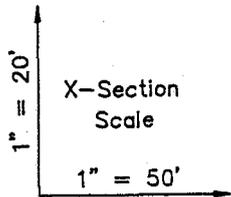


Elev. Ungraded Ground at Location Stake = 5410.0'

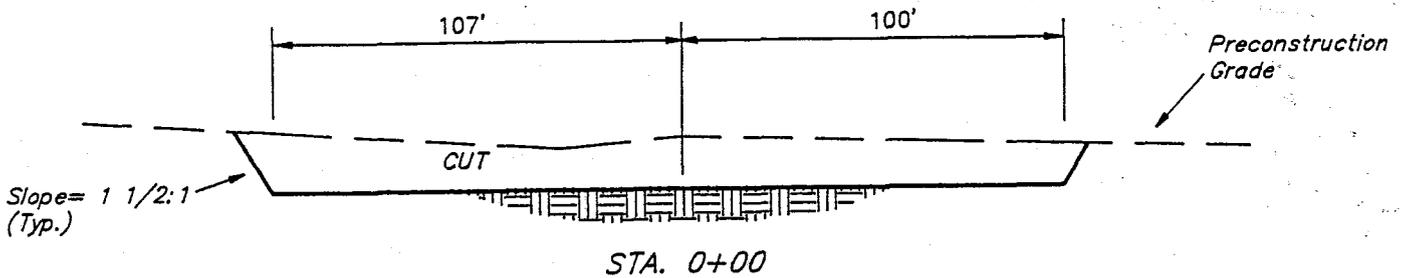
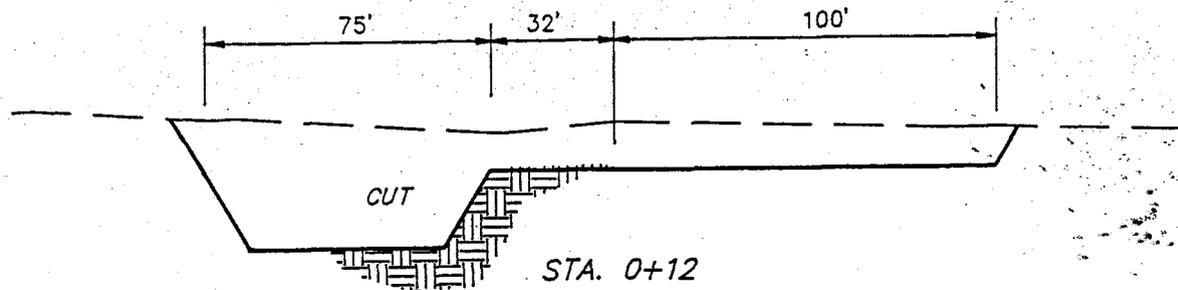
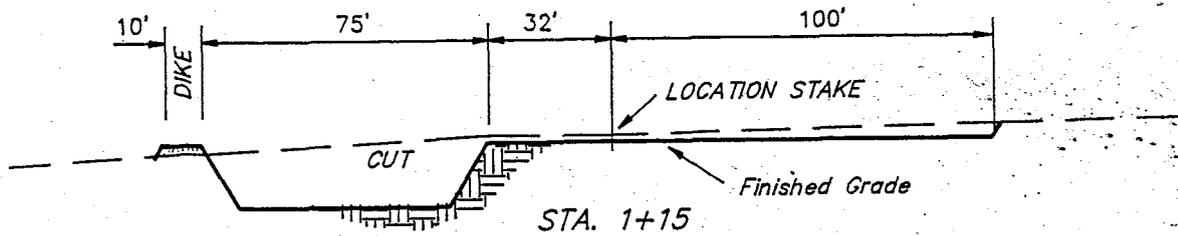
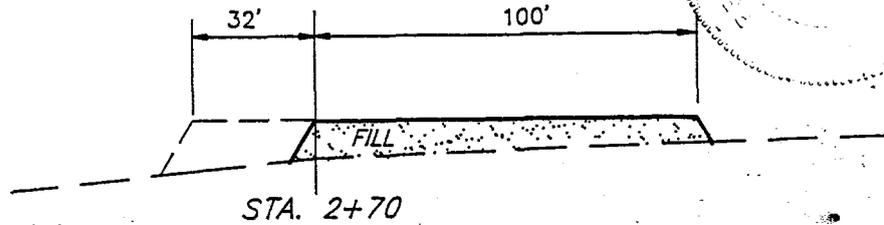
Elev. Graded Ground at Location Stake = 5409.5'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

**LOMAX EXPLORATION CO.**  
**TYPICAL CROSS SECTIONS FOR**  
**MONUMENT BUTTE #13-25**  
**SECTION 25, T8S, R16E, S.L.B.&M.**  
**660' FSL 660' FWL**



DATE: 2-3-95  
 Drawn By: D.J.S.



APPROXIMATE YARDAGES

(6") Topsoil Stripping = 840 Cu. Yds.  
 Remaining Location = 3,930 Cu. Yds.

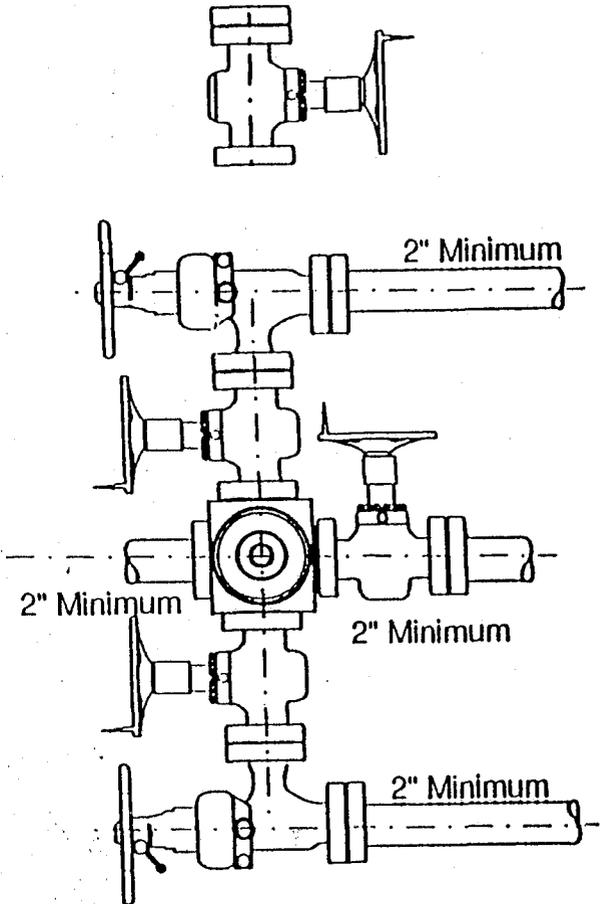
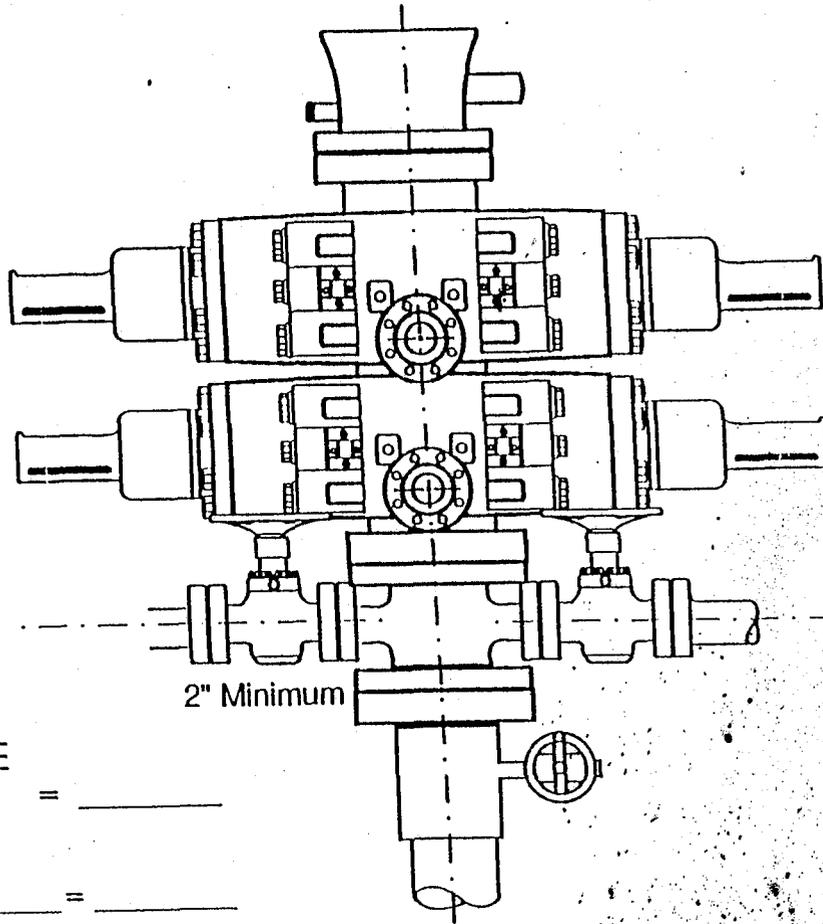
TOTAL CUT = 4,770 CU.YDS.  
 FILL = 1,560 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 3,130 Cu. Yds.  
 Topsoil & Pit Backfill (1/2 Pit Vol.) = 1,900 Cu. Yds.  
 EXCESS UNBALANCE (After Rehabilitation) = 1,230 Cu. Yds.

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

# 2-M SYSTEM

EXHIBIT F



GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

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

A CULTURAL AND PALEONTOLOGICAL RESOURCES SURVEY OF  
FOUR LOMAX WELLS AND ACCESS ROADS NEAR MONUMENT BUTTE,  
DUCHESNE COUNTY, UTAH

by

Sheri L. Murray  
Archaeologist

and

Kathie A. Davies  
Assistant Archaeologist

Prepared for:

Lomax Exploration Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Prepared by:

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

Under Authority of Cultural Resources Use Permit No. 95-UT-54630

and

Utah State Antiquities Permit No. U-95-SJ-040b

Archaeological Report No. 729

February 6, 1995

## INTRODUCTION

In February 1995, Lomax Exploration Company of Roosevelt, Utah (Lomax) requested that Sagebrush Archaeological Consultants (Sagebrush) conduct a cultural resources inventory of four well pads and accompanying access roads located on lands controlled by the Bureau of Land Management (BLM) for proposed Lomax wells Monument Butte Federal #15-34, Monument Butte #13-25, Monument Butte #5-1 and Monument Butte Federal #6-1 in Duchesne County, Utah.

The proposed wells are located in T. 8S., R. 16E., S. 34 SW $\frac{1}{4}$ SE $\frac{1}{4}$ ; T. 8S., R. 16E., S. 25 SW $\frac{1}{4}$ SW $\frac{1}{4}$ ; T. 9S., R. 16E., S. 1 SW $\frac{1}{4}$ NW $\frac{1}{4}$ ; T. 9S., R. 16E., S. 1 SE $\frac{1}{4}$ NW $\frac{1}{4}$ . The project area lies on USGS 7.5' Quadrangle Myton SE, Utah (1964). The project was carried out by the authors on February 2 and 3, 1995 under authority of Cultural Resources Use Permit No. 93-UT-54630 and Utah State Antiquities Permit No. U-95-SJ-040b.

Prior to the survey, a file search was conducted by Sheri L. Murray at the Division of State History, Utah State Historical Society, Salt Lake City on February 1, 1995. An additional file search to identify previous cultural resources projects, known cultural resources sites and paleontological localities near the project area was conducted by the authors on February 2, 1995 at the Bureau of Land Management, Vernal District Office.

A total of 14 individual sites and a number of paleontological localities have been previously recorded in the vicinity of the current project area. Due to the large number of projects conducted in this area, individual project descriptions will not be listed. However, following is a brief description of each of the 14 cultural resource sites and two paleontological localities previously recorded near the current project area:

### Cultural Resources Sites

**Site 42Dc341.** This site, located northwest of Castle Peak Draw, is a lithic quarry with cores, lithic siltstone flakes, and one siltstone biface. This site was recommended NOT eligible to the National Register of Historic Places (NRHP).

**Site 42Dc351.** This site, located in Castle Peak Draw, is a small rock shelter with associated lithic artifacts. No recommendations concerning eligibility of the NRHP has been made for this site.

**Site 42Dc352.** This site, located in Castle Peak Draw, is a historic cache or temporary camp. Artifacts consist of jars, cans, a bucket, and a .22 caliber rifle. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc381.** This site, located on the south slope in the vicinity of Castle Peak Draw, is a thin scatter of flakes and a biface. The site shows signs of depth and may reveal further information about the areas early inhabitants and is considered ELIGIBLE to the NRHP.

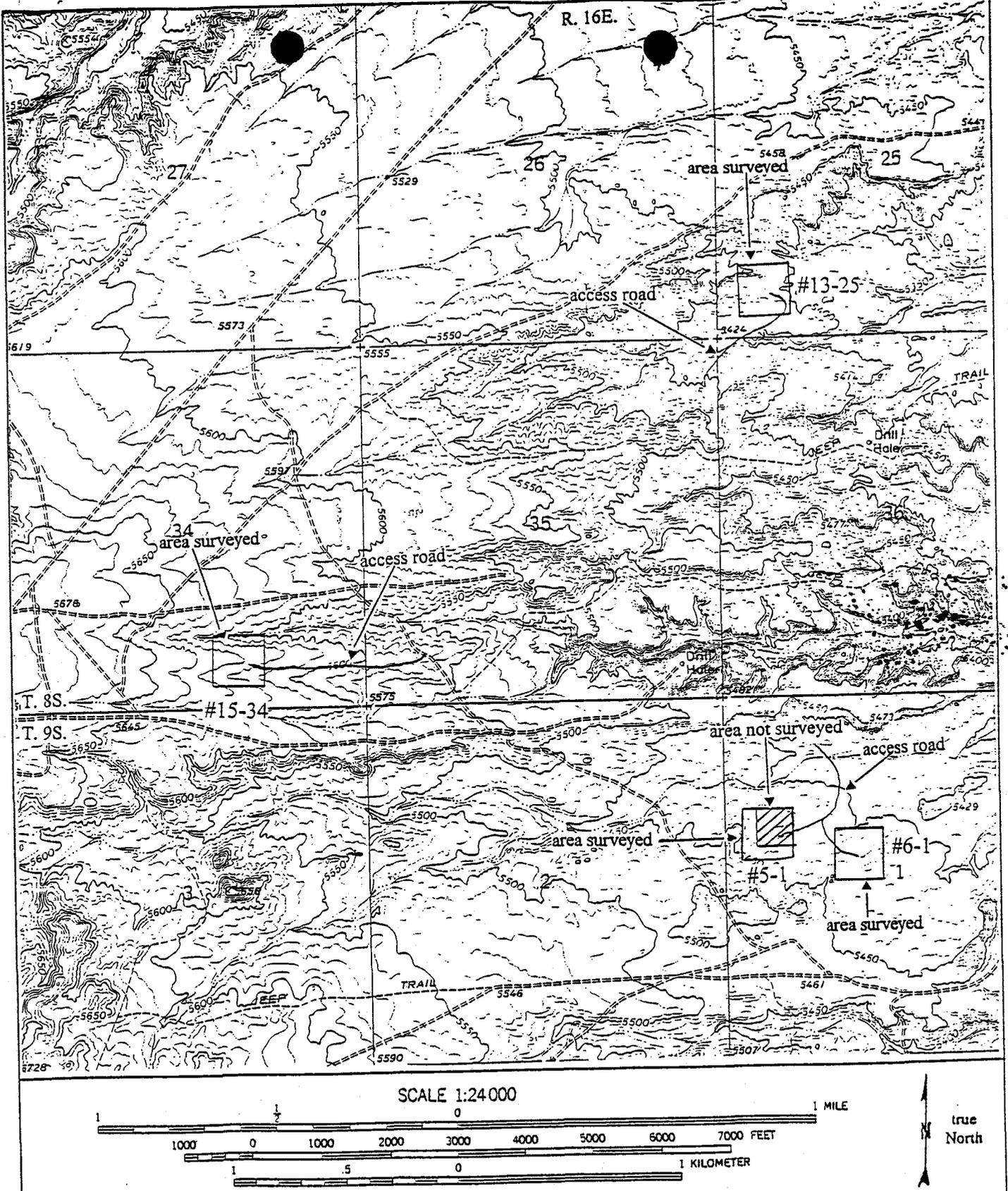


Figure 1. Location of Lomax Wells Monument Butte Federal #15-34, Monument Butte #13-25, Monument Butte Federal #6-1 and Monument Butte #5-1. Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

**Site 42Dc388.** This site, located on a sandy bench above Wells Draw, is a small lithic scatter with core flakes, biface manufacturing flakes, and numerous bifaces representing all stages of manufacture. This site was recommended NOT Eligible to the NRHP.

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

**Site 42Dc428.** This site, located on a ridgetop north of Castle Peak Draw, is a sheep camp possibly dating to the 1940's. The site consists of a small scatter of trash including tin cans, glass, bailing wire and ceramics. This site was recommended NOT eligible to the NRHP.

**Site 42Dc503.** This site, located below a sandstone outcrop east of Wells Draw, is a large lithic scatter with many roughly worked bifaces as well as several lithic cores and flakes. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc504.** This site, located in the cut of a dirt road east of Wells Draw, is a possible lithic quarry with cores and flakes. This site was recommended NOT eligible to the NRHP.

**Site 42Dc505.** This site, located in the cut of a dirt road east of Wells Draw, is a sparse lithic scatter consisting of four to five worked pieces of chalcedony and one secondary flake of the same material. This site was recommended NOT eligible to the NRHP.

**Site 42Dc537.** This site, located on a flat terrace in the bottom of Wells Draw, consists of a sparse lithic scatter with shattered core fragments and primary flakes in association with a rock alignment. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc538.** This site, located along a sandstone outcrop on the eastern slope of Wells Draw, is a sparse lithic scatter consisting of core shatter fragments and primary flakes of a local variety of siltstone. One hammerstone and one biface blank were found at the site. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc732.** This site, located in the Castle Peak Draw vicinity, is an extensive lithic scatter and surface occupation containing several hearths. The site was recommended ELIGIBLE for the NRHP.

**Site 42Dc781.** This site, located in Castle Peak Draw, is a lithic scatter situated near a rock overhang. This site was recommended NOT eligible to the NRHP.

## Paleontological Localities

**Locality 42Dc165VP.** This locality, located on the north side of a small ridge in a tributary drainage to Castle Peak Draw, consists of several turtle shell fragments and a few plant stem impressions. The locality was evaluated as important.

**Locality 42Dc166P.** This locality, located on the north side of a small tributary drainage of Castle Peak Draw, consists of a few plant stem impressions in a rust sandstone slab. The locality was evaluated as important.

## ENVIRONMENT

The project area lies in dissected tablelands south of Fort Duchesne on the west side of the Green River. The elevation of the project area ranges from approximately 5400 to 5650 feet a.s.l. Sediments consist of light brown to buff sand, sandstone outcroppings and sandy silt. Vegetation in the survey area consist of shadscale community species. Noted species include greasewood, winterfat, rabbitbrush, prickly pear cactus, buckwheat, and bunch grass. The nearest permanent water source is Wells Draw which lies between one and three miles to the west-northwest of the various well pads. Natural disturbance in the area is primarily in the form of aeolian movement of sand and some water erosion. Cultural disturbance includes grazing, and a number of roads which are present throughout much of the project.

## METHODOLOGY

The project area consists of four 10-acre parcels of land (660-by-660 ft) centered on proposed well heads and four access road corridors connecting the well locations to pre-existing access roads. Three of the well pads were inventoried by the authors walking parallel transects spaced no more than 15 meters apart. A majority of the fourth well pad (Monument Butte #5-1) had previously been surveyed and cleared by Grand River Consultants, Inc. of Grand Junction, Colorado (Babcock 1981). However, a 150 ft wide strip on the northern and eastern edges of this ten acre parcel had not been cleared and were subsequently surveyed in two 15 meter transects by Sagebrush. Well pad access roads for all of the well pads, which totaled 7,000 ft in length, were walked in two parallel transects spaced 10 meters apart to cover a corridor width of 100 feet (30 meters) each. The area surveyed during this project (including all well pads and access roads) totaled 46.79 acres.

## RESULTS

No cultural resource sites or paleontological localities were located during this survey.

## RECOMMENDATIONS

Based on these findings cultural and paleontological clearance is recommended for the proposed project.

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

## REFERENCES CITED

Babcock, Thomas F.

1981 *Archaeological Survey of Lomax Exploration's Well Locations 2-1, 3-1 and 4-1, and Associated Access Roads, Duchesne County, Utah*. Grand River Consultants Report No. 81140, Grand Junction, Colorado

Weymouth, Heather M.

1994 *A Cultural Resources Block Survey in the Wells Draw Unit, Near Wells Draw, Duchesne County, Utah*. Sagebrush Archaeological Consultants, Archaeological Report No. 648, Ogden, Utah.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/27/95

API NO. ASSIGNED: 43-013-31513

WELL NAME: MONUMENT BUTTE FED 13-25  
 OPERATOR: LOMAX EXPLORATION (N0580)

PROPOSED LOCATION:  
 SWSW 25 - T08S - R16E  
 SURFACE: 0660-FSL-0660-FWL  
 BOTTOM: 0660-FSL-0660-FWL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: U-67170

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond: Federal [Y State[] Fee[]  
 (Number 4488944)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit MONU. BUTTE FED 5-1  
 (Number JOHNSON WATER WEL)  
N RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

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

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

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

R 2 W

R 1 W

T 4 S

T 8 S

MONUMENT BUTTE  
WATER FLOOD DEVELOPMENT  
SEC. 25, 26, 35, T-8 S, R-26 E  
DUCHESNE COUNTY, NO SPACING

LOMAX MONUMENT  
BUTTE FED. 13-25

EQUITABLE  
MONUMENT FED. 14-26

LOMAX MONUMENT  
BUTTE FED. 1A-35

R 15 E

R 16 E

MONUMENT BUTTE



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

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

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

March 27, 1995

Lomax Exploration Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal #13-25 Well, 660' FSL, 660' FWL, SW SW, Sec. 25, T. 8 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31513.

Sincerely,

R. J. Fifth  
Associate Director

ldc

Enclosures

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

WAPD



Operator: Lomax Exploration Company

Well Name & Number: Monument Butte Federal #13-25

API Number: 43-013-31513

Lease: U-67170

Location: SW SW Sec. 25 T. 8 S. R. 16 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

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

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

3. Reporting Requirements

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

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

SUBMIT IN TRIPPLICATE\*  
(Other instructions  
reverse side)

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

DOGMA

**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  
 Lomax Exploration Company

3. ADDRESS OF OPERATOR  
 P.O. Box 1446 Roosevelt, Utah 84066 (801) 722-5102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface SW/SW  
 At proposed prod. zone 660' FSL 660' FWL **43-013-31513**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 Miles NW of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'  
 16. NO. OF ACRES IN LEASE 960

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A  
 19. PROPOSED DEPTH 6500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5409.5'

5. LEASE DESIGNATION AND SERIAL NO.  
 U-67170

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Monument Butte Federal

9. WELL NO.  
 #13-25

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA  
 Sec. 25, T8S, R16E

12. COUNTY OR PARISH 13. STATE  
 Duchesne Utah

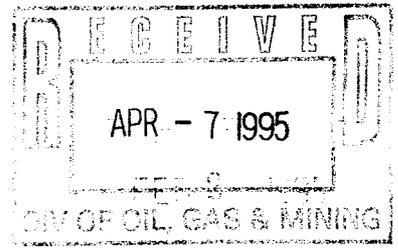
17. NO. OF ACRES ASSIGNED TO THIS WELL 40

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 2nd Quarter 1995

**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'	240 sx Class C + 2% CaCl
7 7/8	5 1/2	15.5#	TD	530 sx Hilift followed by 450 sx Class G w 2% CaCl



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

24. SIGNED Brad Mecham *Brad Mecham* TITLE Operations Manager DATE 2/14/95

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 ASSISTANT DISTRICT MANAGER MINERAL

APPROVED BY *[Signature]* TITLE \_\_\_\_\_ DATE MAR 27 1995  
 CONDITIONS OF APPROVAL, IF ANY:

**NOTICE OF APPROVAL**

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

\*See Instructions On Reverse Side

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

114080-501-125

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Lomax Exploration Company

Well Name & Number: Monument Federal 13-25

API Number: 43-013-31513

Lease Number: U-67170

Location: SWSW Sec. 25 T. 8S R. 16E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm$  374 ft. or by setting the surface casing at  $\pm$  424 ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at  $\pm$  3120 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

A cement bond log (CBL) will be run from the production casing shoe to 2920 ft. if the surface casing is set at  $\pm$  424 ft. or it will be run to surface if the surface casing is set at  $\pm$  300 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

Wayne Bankert           (801) 789-4170  
Petroleum Engineer

Ed Forsman             (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM**  
Conditions of Approval (COAs)  
Lomax Exploration Company - Well #13-25

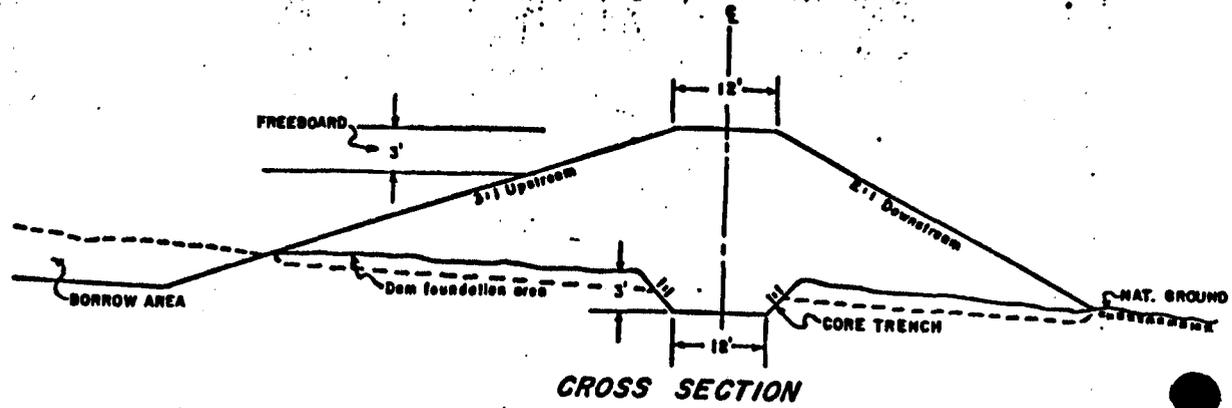
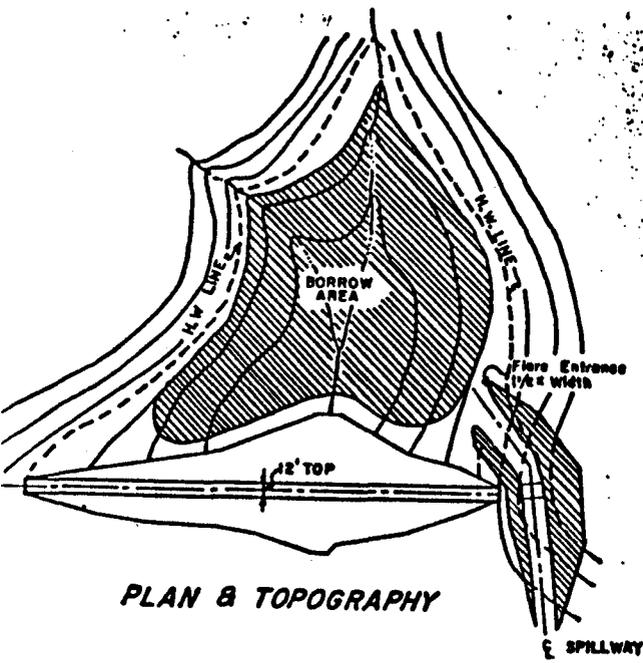
Plans For Reclamation Of Location

At time of abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to blend all cuts, fills, road berms, and borrow ditches to be natural in appearance with the surrounding terrain. Stockpiled topsoil will be spread over the surface, and the area revegetated to the satisfaction of the authorized officer of the BLM.

Other Information

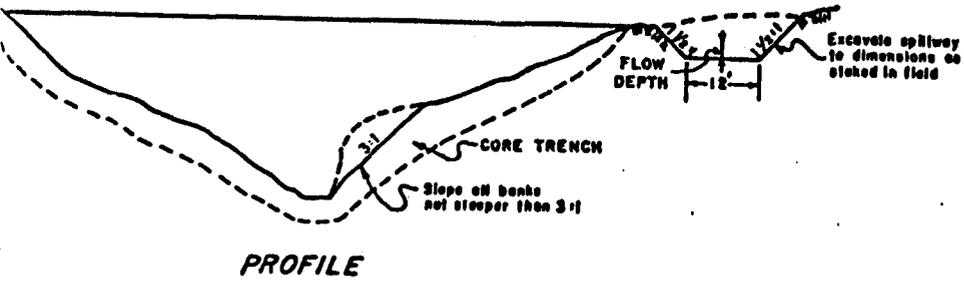
To mitigate increased erosion due to the development of this location a silt catchment structure will be developed approximately 150 feet east of the proposed well location where flagged. This structure will be approximately 1 acre foot in capacity and developed to BLM specifications. Minimum standards for dams impounding under 10 acre feet are attached.

If the proposed oil well is to be developed between March 15 and August 15, additional surveys for special status animal species will be required. To schedule the necessary time to conduct this wildlife survey, notify the authorized officer a minimum of 14 days prior to the dirt work to develop the location and also the drilling operations. Contact the Authorized Officer of the BLM for specific procedures.



**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILL WAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHEM. DIV. OF BLM</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** 8-890 210-170

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

- I. Site Location and Design
  - A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
  - B. Dam layout and location shall be with surveying instruments by qualified personnel.
- II. Borrow Areas
  - A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
  - B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
  - C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
  - D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
  - E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.
- III. Core Trench and Dam Foundation
  - A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
  - B. Sides of the core trench shall not be steeper than 1:1 slopes.
  - C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.
- IV. Dam and Core Fill
  - A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
  - B. Lifts of fill shall not exceed 6" when compacted.
  - C. Fill shall be built up at a consistent rate the full length of the dam.
  - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
  - E. Fill shall be smoothed, maintaining specified slopes.
- V. Spillway
  - A. Spillway shall be constructed through natural material.
  - B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
  - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: LOMAX EXPLORATION

Well Name: MONUMENT BUTTE FEDERAL 13-25

Api No. 43-013-31513

Section 25 Township 8S Range 16E County DUCHESNE

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

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

SPUDDED: Date 6/22/95

Time 12:00 NOON

How DRY HOLE

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

Reported by CHERYL

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

Date: 6/22/95 Signed: FRM

OPERATOR Lomax Exploration Co

OPERATOR ACCT. NO. H 0580

ADDRESS P.O. Box 1446

Roosevelt, UT 84066

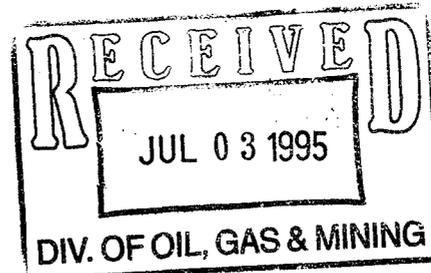
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11786	13-013-31513	Monument Butte Fed. #13-25	SWSW	25	8S	16E	Duchesne	6/26/95	6/26/95
WELL 1 COMMENTS: <i>Entity previously added 7-3-95. See</i>											
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)
- D - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

(3/89)



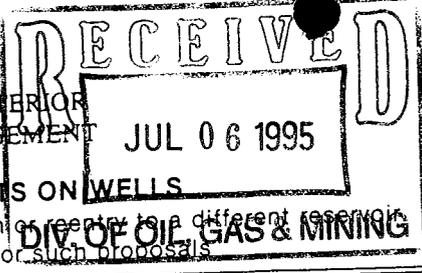
Cheryl Cameron

Signature \_\_\_\_\_  
Secretary/Drlg \_\_\_\_\_ 6/30/95  
Title \_\_\_\_\_ Date \_\_\_\_\_  
Phone No. (801) 722-5103

7-6-95

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
U-67170

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Mon. Butte Fed. #13-25

2. Name of Operator  
Lomax Exploration Company

9. API Well No.  
43-013-31513

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

10. Field and Pool, or Exploratory Area  
Monument Butte

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW/SW 660' FSL & 660' FWL  
Sec. 25, T8S, R16E

11. County or Parish, State  
Duchesne Cty, Utah

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 type="checkbox"/> Other <u>Weekly Status</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Drilled 300' of 12 1/4" hole w/ Leon Ross Rathole Rig. Spud @ 12:00 PM 6/26/95.  
RIH w/ 294.83' of 8 5/8" Surface Csg. Cmt w/ 120 sx Premium Plus w/2% CaCl & 1/4#/sk flocele, 2% Gel.

W/O Rotary Rig.

14. I hereby certify that the foregoing is true and correct  
Signed Brad Mecham Brad Mecham Title Operations Manager Date 6/29/95

(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side

**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.

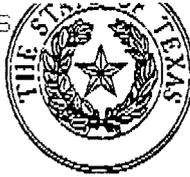
Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

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 black ink, 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.

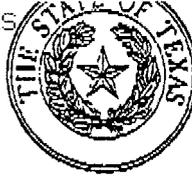
THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

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  
CHARTER NUMBER 00415304

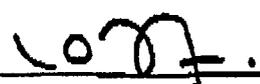
THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,  
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE  
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO  
CONFORM TO LAW.

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

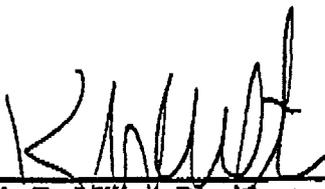
JUN 29 1995

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:

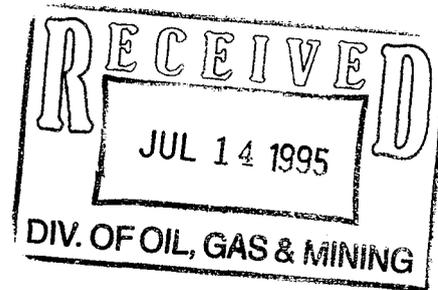
1. **Name.** The name of the corporation is LOMAX EXPLORATION COMPANY.
2. **Statement of Amendment.** The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:  
  
"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."  
  
3. **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:*

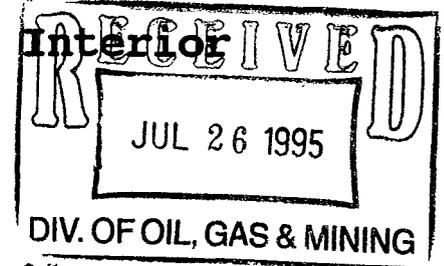
Corporate Office:  
Inland Resources Inc.  
475 Seventeenth Street, Suite 1500  
Denver, CO 80202

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-MC 7-PL
2-LWP 8-SJ
3-DTS 9-FILE
4-VLC
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: <b>**SEE ATTACHED**</b>	API: <u>43-013-31513</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) 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)*
- Sup 6. Cardex file has been updated for each well listed above. *8-16-95*
- Sup 7. Well file labels have been updated for each well listed above. *8-23-95*
- 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**

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) 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.*

- Yes 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 Bauer*

**FILMING**

- \_\_\_ 1. All attachments to this form have been microfilmed. Date: \_\_\_\_\_ 19\_\_.

**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 Aprv. eff. 6-29-95.*

✓ MONUMENT BUTTE 16-34	43-013-31436	SEC. 34, T. 8S, R. 16E	DRL U16535
✓ BOUNDARY FEDERAL 14-21	43-013-31441	SEC. 21, T. 8S, R. 17E	DRL U50376
✓ GILSONITE STATE 10-32	43-013-31485	SEC. 32, T. 8S, R. 17E	DRL ML22061
✓ GILSONITE STATE 8-32	43-013-31498	SEC. 32, T. 8S, R. 17E	DRL ML22061
✓ MONUMENT FEDERAL 5-34	43-013-31499	SEC. 34, T. 8S, R. 16E	DRL U16535
✓ MONUMENT BUTTE FED 15-26	43-013-31502	SEC. 26, T. 8S, R. 16E	DRL U67170
✓ MONUMENT BUTTE ST 16-2	43-013-31510	SEC. 2, T. 9S, R. 16E	DRL ML21839
✓ MONUMENT BUTTE ST 8-2	43-013-31509	SEC. 2, T. 9S, R. 16E	DRL ML21839
✓ MONUMENT BUTTE FED 5-1	43-013-31507	SEC. 1, T. 9S, R. 16E	DRL U72103
✓ MONUMENT BUTTE FED 6-1	43-013-31506	SEC. 1, T. 9S, R. 16E	DRL U72103
✓ MONUMENT BUTTE FED 15-34	43-013-31511	SEC. 34, T. 8S, R. 16E	DRL U62848
→ ✓ MONUMENT BUTTE FED 13-25	43-013-31513	SEC. 25, T. 8S, R. 16E	DRL U67170
✓ MONUMENT BUTTE 16-26	43-013-31517	SEC. 26, T. 8S, R. 16E	DRL U67170
✓ TRAVIS FEDERAL 8-33	43-013-31503	SEC. 33, T. 8S, R. 16E	DRL U34173
✓ PARIETTE DRAW FED 10-23	43-047-32672	SEC. 23, T. 8S, R. 17E	DRL U45431
✓ PARIETTE DRAW FED 8-23	43-047-32676	SEC. 23, T. 8S, R. 17E	DRL U45431
✓ PARIETTE DRAW FED 7-23	43-047-32673	SEC. 23, T. 8S, R. 17E	DRL U45431
✓ SUNDANCE STATE 5-32	43-047-32685	SEC. 32, T. 8S, R. 18E	DRL ML22058
✓ MONUMENT BUTTE ST 14-36	43-013-31508	SEC. 36, T. 8S, R. 16E	DRL ML22061
✓ ASHLEY FEDERAL 10-23	43-013-31519	SEC. 23, T. 9S, R. 15E	DRL U66185
✓ MONUMENT FEDERAL 1A-35	43-013-31514	SEC. 35, T. 8S, R. 16E	DRL U16535
✓ OK CORRAL FEDERAL 1-30	43-047-32686	SEC. 30, T. 9S, R. 18E	DRL U19267
✓ S PLEASANT VALLEY 4-22	43-013-31522	SEC. 22, T. 9S, R. 17E	DRL U13905
✓ CODY FEDERAL 2-35	43-013-31525	SEC. 35, T. 8S, R. 15E	DRL UTU67168
✓ GILSONITE STATE 14I-32	43-013-31523	SEC. 32, T. 8S, R. 17E	DRL ML21839
✓ BOUNDARY FEDERAL 10-21	43-013-31532	SEC. 21, T. 8S, R. 17E	DRL U50376
✓ MONUMENT BUTTE ST 16-36R	43-013-10159	SEC. 36, T. 8S, R. 16E	DRL ML22061
✓ BOUNDARY FEDERAL 9-21	43-013-31542	SEC. 21 T. 8S, R. 17E	DRL U50376

APD's Pending; have not been approved by BLM as of yet.  
 (Leases are held by Inland) \* 8-7-95 / BLM SL "Connie Seare"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
AUG 17 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lomax Exploration Co.

3. Address and Telephone No.

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

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

SW/NW 1980' FNL & 660' FWL  
Sec 34, T8S, R16E

5. Lease Designation and Serial No.

U-16535

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mon. Butte Fed. #5-34

9. API Well No.

43-013-31499

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<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 type="checkbox"/> Other <u>Weekly Status</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

Weekly Status Report for week of 8/2/95 - 8/10/95  
Drilled 7 7/8" hole from 300' - 6150' w/ Kenting Apollo, Rig #59  
Run 6152' of 5 1/2" J-55 csg, Cmt w/ 340 sx HiFill & 345 sx Thrixotropic  
w/ 10% Cal-Seal.  
Released Rig @ 5:00 P.M. 8/10/95.

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

Signed Cheryl J. Cameron

Title Secretary, Drlg & Comp.

Date 8/14/95

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 17 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-67170

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Mon. Butte Fed. #13-25

9. API Well No.

43-013-31513

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lomax Exploration Co.

3. Address and Telephone No.

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

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

SW/SW 660' FSL & 660' FWL  
Sec. 25, T8S, R16E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

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

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

Weekly Status Report for week of 7/25/95 - 7/31/95  
Drilled 7 7/8" hole from 300' - 6150' w/ Kenting Apollo, Rig #59  
Run 6174.99' of 5 1/2" csg. Cmt w/ 320 sx HiFill, 330 sx Thrixotropic,  
10% Cal-Seal.

W/O Completion Rig

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

Signed Cheryl Cameron

Title Secretary, Drlg & Comp.

Date 8/14/95

(This space for Federal or State office use)

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

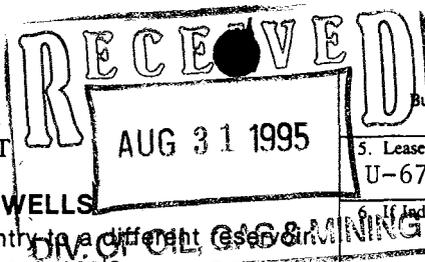
Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

5. Lease Designation and Serial No.  
U-67170  
6. If Indian, Allottee or Tribe Name

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry in 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

Lomax Exploration Company

3. Address and Telephone No.

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

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

SW/SW 660' FSL & 660' FWL  
Sec. 25, T8S, R16E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mon. Butte Fed. #13-25

9. API Well No.

43-013-31513

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status
- Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

WEEKLY STATUS REPORT FOR WEEK OF 8/16/95 - 8/22/95:

8/16/95: Perf 4999' - 5018' w/ 4JSPF

8/17/95: Re-Frac  
Perf broke @ 3100#. Screenout w/ 8,000# sd in formation  
Circ sd out in stages, 1,000', 2,000', 3,000', 4,000', 4,700', 5,409'

8/18/95: Frac "B" sd  
Ramp 2# - 8# 20/40 sd w/ 14,000 gal purgel 1350 Ht  
Pump 8 PPG 16/30 sd w/ 4000 gal purgel 1350 Ht  
Screenout w/ 1900 gal left in flush

8/22/95: RIH w/ pump, 4 - 1 1/2" wt rods, 4 - 3/4" scraped rods, 90 - 3/4" plain rods,  
100 - 3/4" scraped rods, 1 1/2" X 22' polish rod.

ON PRODUCTION @ 4:00 PM 8/22/95

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

Signed Brad Mecham

Title Operations Manager

Date 8/25/95

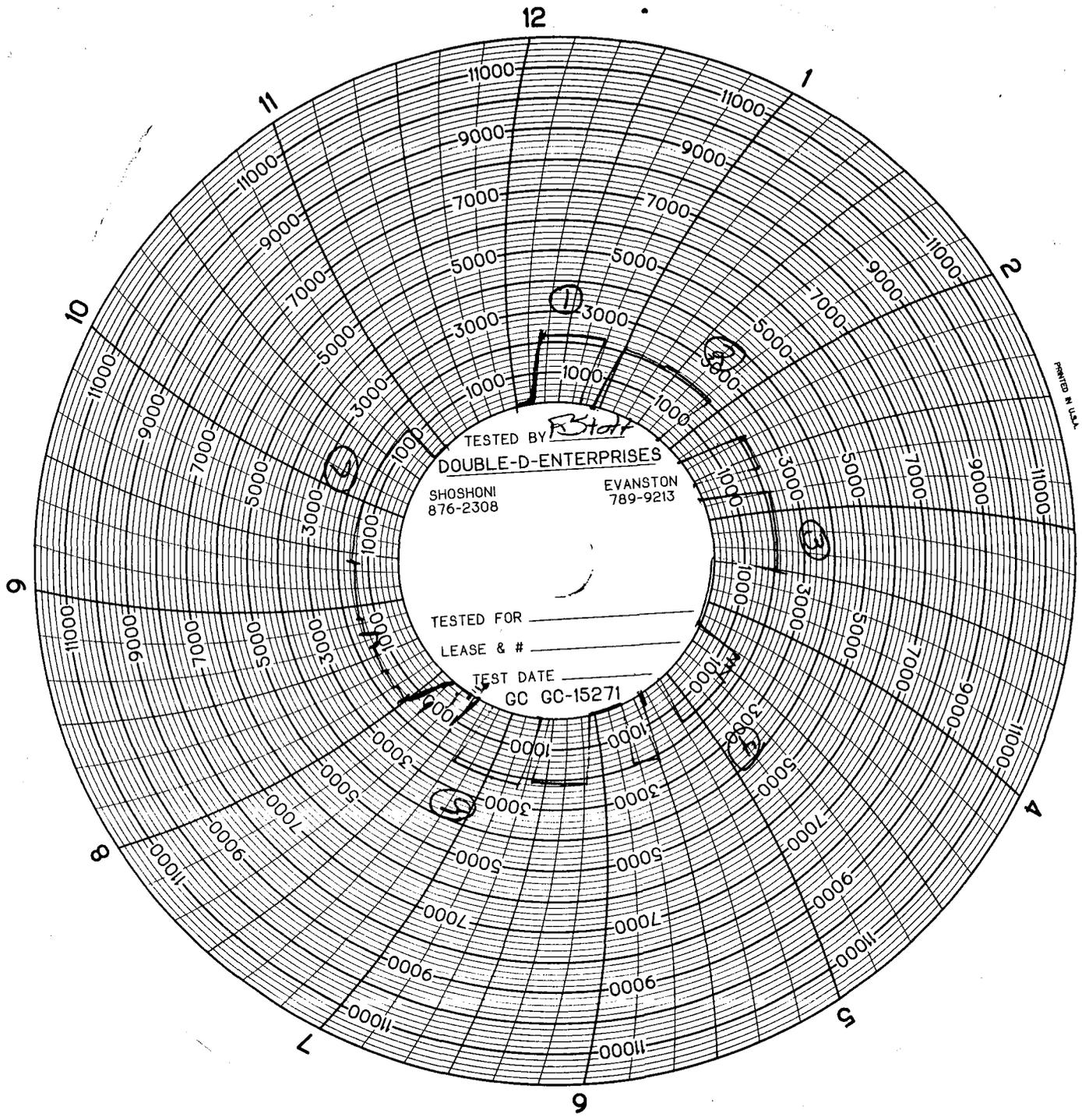
(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:



TESTED BY *R. Stat*  
**DOUBLE-D-ENTERPRISES**  
SHOSHONI 876-2308      EVANSTON 789-9213

TESTED FOR \_\_\_\_\_  
LEASE & # \_\_\_\_\_  
TEST DATE  
GC GC-15271

PRINTED IN U.S.A.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SEP 20 1995

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 10C4-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
U-67170

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Monument Butte Federal

9. WELL NO.  
#13-25

10. FIELD AND POOL, OR WILDCAT  
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SW/SW  
Sec. 25, T8S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UT

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. RESRV  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Lomax Exploration Company **INLAND PRODUCTION COMPANY**

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

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

At top prod. interval reported below 660' FSL & 660' FWL

At total depth

14. PERMIT NO. 43-013-31513  
DATE ISSUED 3-27-95

15. DATE SPUDDED 6-26-95  
16. DATE T.D. REACHED 7-30-95  
17. DATE COMPL. (Ready to prod.) 8-22-95  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5410' GR  
19. ELEV. CASINOHEAD -

20. TOTAL DEPTH, MD & TVD 6150'  
21. PLUG, BACK T.D., MD & TVD 6084'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS X  
CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4999' - 5018' (BRRV)

25. WAS DIRECTIONAL SURVEY MADE NO  
26. TYPE ELECTRIC AND OTHER LOGS RUN  
CBL, DLL, CNL 9-20-95  
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#	300'	1 1/4"	120 sx Prem Plus 2% CaCl	+ 1/2# / sx Flocele
5 1/2	15.5#	TD	7 7/8"	320 sx Highlift followed by	
				330 sx Thrixotropic	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)  
B - 2 Sd 4999' - 5018'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A	Producing - Axelson 2 1/2" X 1 1/2" X 16' RHAC pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/11/95	24	N/A		75	100	4	1.333

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Logs in item #26.

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

SIGNED Brad Mechan TITLE Operations Manager DATE 9/12/95

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
X Mkr	4813'		Item #32.			
Y Mkr	4846'		8/17/95: Re-Frac			
Douglas Crk	4970'		Perf broke @ 3100#. Screenout			
D-1	4999'		w/ 8,000# sd in formation			
C-Sand	5150'		Circ sd out in stages, 1,000',			
B Limestone	5369'		2,000', 3,000', 4,000', 4,700',			
Castle Peak	5842'		5,409'			
			8/18/95 Frac "B" sd			
			Ramp 2# - 8# 20/40 sd w/ 14,000			
			gal Purgel 1350 Ht			
			Pump 8 PPG 16/30 sd w/ 4,000			
			gal Purgel 1350 Ht			
			Screenout w/ 1900 gal left in flush			



# INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELLS

MONUMENT BUTTE FEDERAL #13-25

MONUMENT BUTTE NORTHEAST PROJECT

DECEMBER 7, 1995



**REQUIREMENTS FOR CLASS II INJECTION WELL INCLUDING WATER  
DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V - RULE R649-5-2**

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

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

**Answer:** Reference Exhibit A-1.

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:** Reference log currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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

**Answer:** Reference log currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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

**Answer:** Radioactivity and cement bond logs currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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:** Reference Exhibit B-1 and B-2

A casing integrity test will be conducted upon conversion;

Pressure test backside to 500 psi; 0 psi bleedoff after 30 minute period.

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 District supply line.

Estimated Injection Rate: 200-300 BWIPD

Maximum Injection Rate: 1000 BWIPD

7. *Standard laboratory analysis of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids;*

**Answer:** Item (1) Johnson water Supply; item (2) Water analysis from Monument Butte Unit #8-34 D-1 zone; Item (3) Mixture of Johnson Water Supply and Monument Butte Unit #8-34 D-1 zone water resulting in compatible water.

(Reference Exhibits C-1, C-2, and C-3)

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

*Answer:* Average Injection Pressure will be determined upon conversion by a Step Rate Test  
Maximum Injection Pressure: 2000 psig-surface.

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

*Answer:* The frac gradients for the Monument Butte field averages to be 0.84 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate will be performed periodically to insure we are below parting pressure.

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

*Answer:* The injection zone is "D" sandstone reservoir found within the Douglas Creek Member of the Green River Formation. The Douglas Creek Member is composed of porous and permeable lenticular calcareous sandstones and low porosity carbonates and calcareous shales.

\*\*\*INJECTION ZONES\*\*\*

	<u>TOP</u>	<u>THICKNESS</u>
#13-25 "D" SAND	4,999'	19'

The porous and permeable lenticular sandstones vary in thickness from 0' to 34' and are restricted to the Monument Butte field area by low porosity calcareous shales and carbonates.

The confining stratum directly above and below the injection zone is the Douglas Creek member of the Green River formation. That strata confining the zone is composed of tight, moderately calcareous sandy lacustrine shales. 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 of the Monument Butte Northeast Project are being filed with the Division of Oil, Gas, and Mining along with the original copy of the application, and may be inspected at the office of the Division of Oil, Gas, and Mining.

(Reference Exhibits A-2, and A-3)

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

*Answer:* Exhibits B-1 through B-9

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

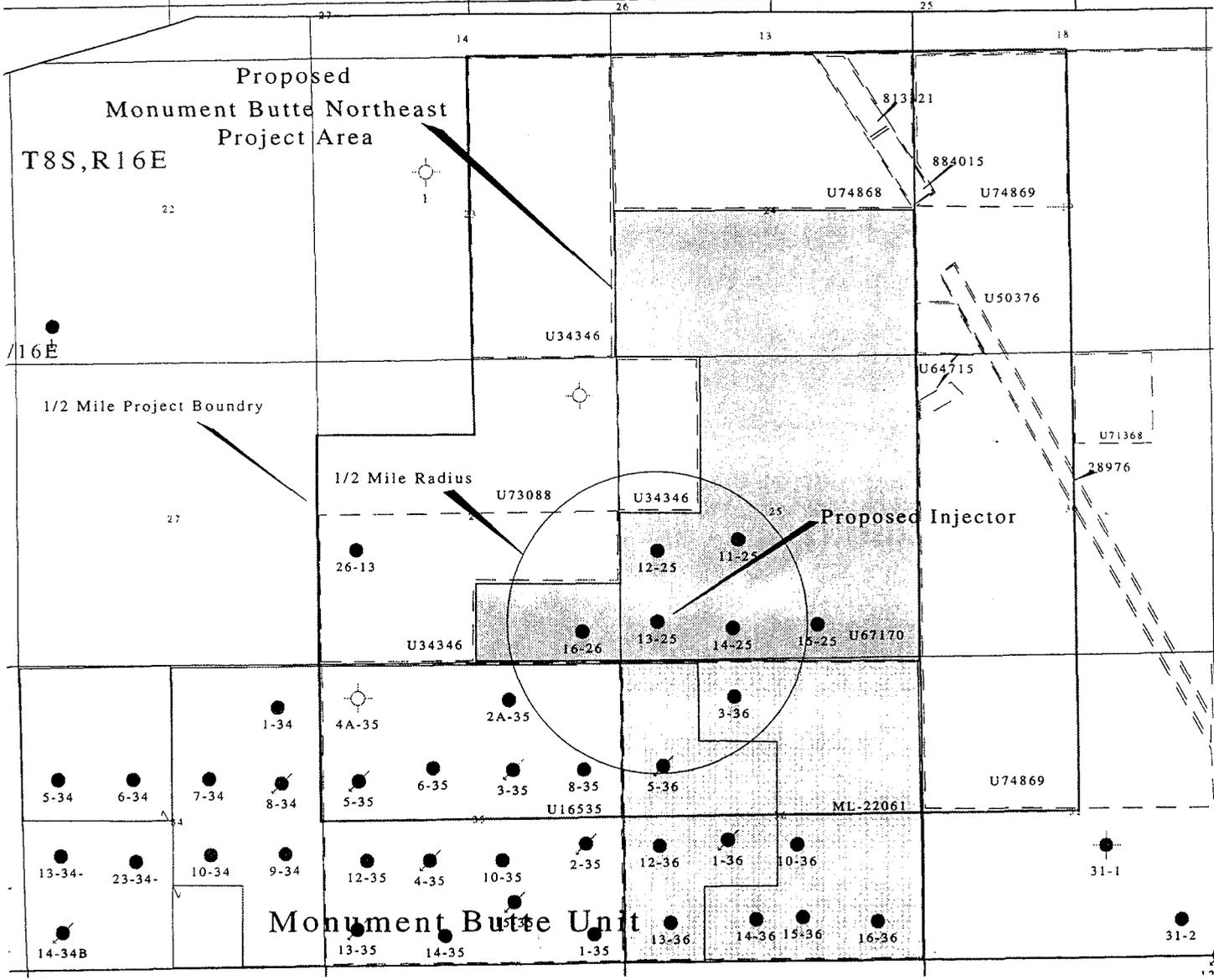
12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well;*

*Answer:* Reference Exhibit D: Inland Production Company Request for Agency Action being filed along with this application.

Old Indian Treaty Boundary



Proposed  
Monument Butte Northeast  
Project Area  
T8S,R16E



State of Utah Surface & Minerals

**Inland**  
RESOURCES INC.

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

**Lease Holdings**  
Monument Butte Area  
Exhibit A-1

Date: 12-7-95 1A.

Monument Butte Unit



Old Indian Treaty Boundary

Proposed  
Monument Butte Northeast  
Project Area  
T8S, R16E



8S, R16E

1/2 Mile Project Boundry

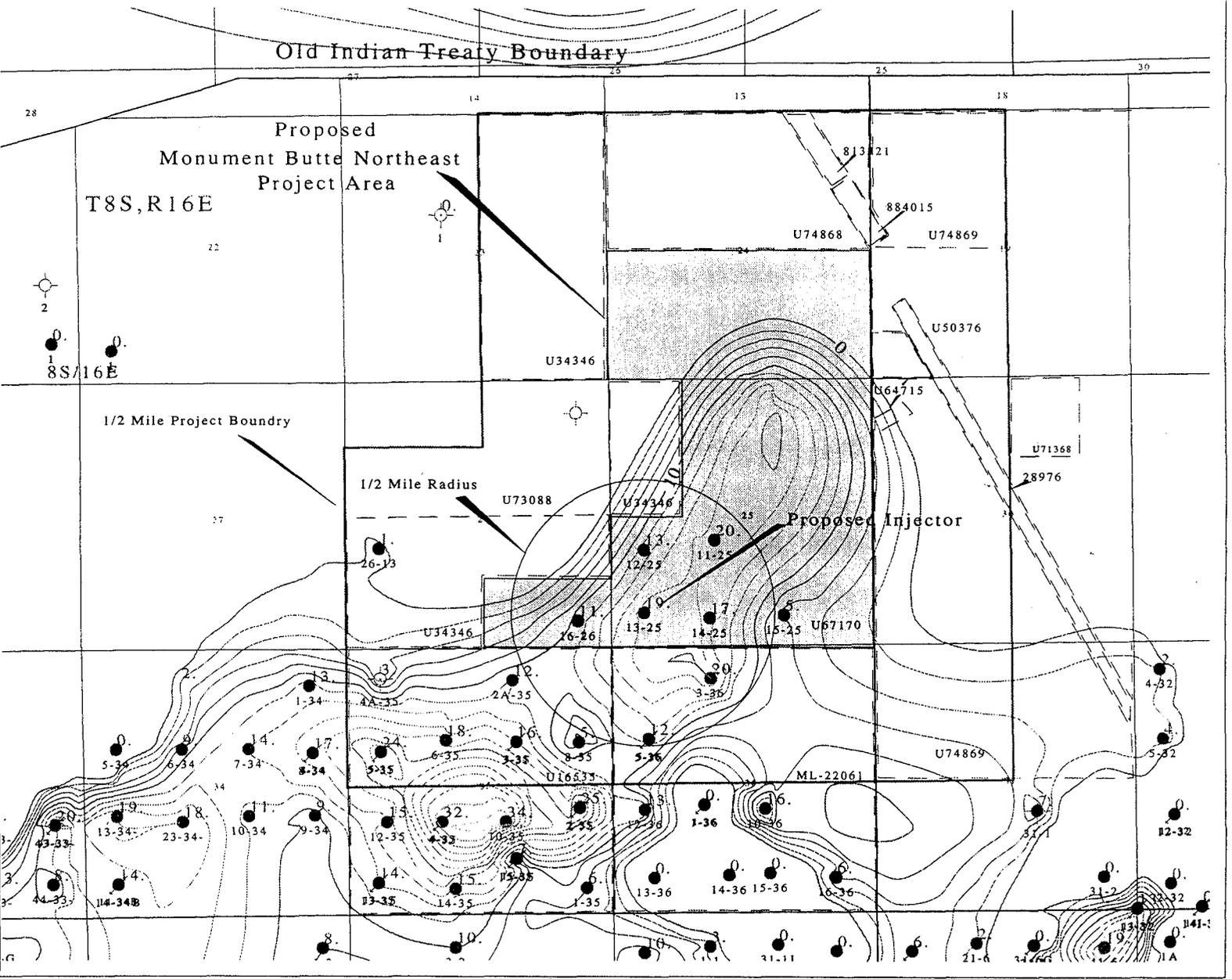
1/2 Mile Radius

Proposed Injector

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

**D-1 Sand Isopach Map**  
Monument Butte Area  
Exhibit A-2

Date: 12-7-95 D.O.

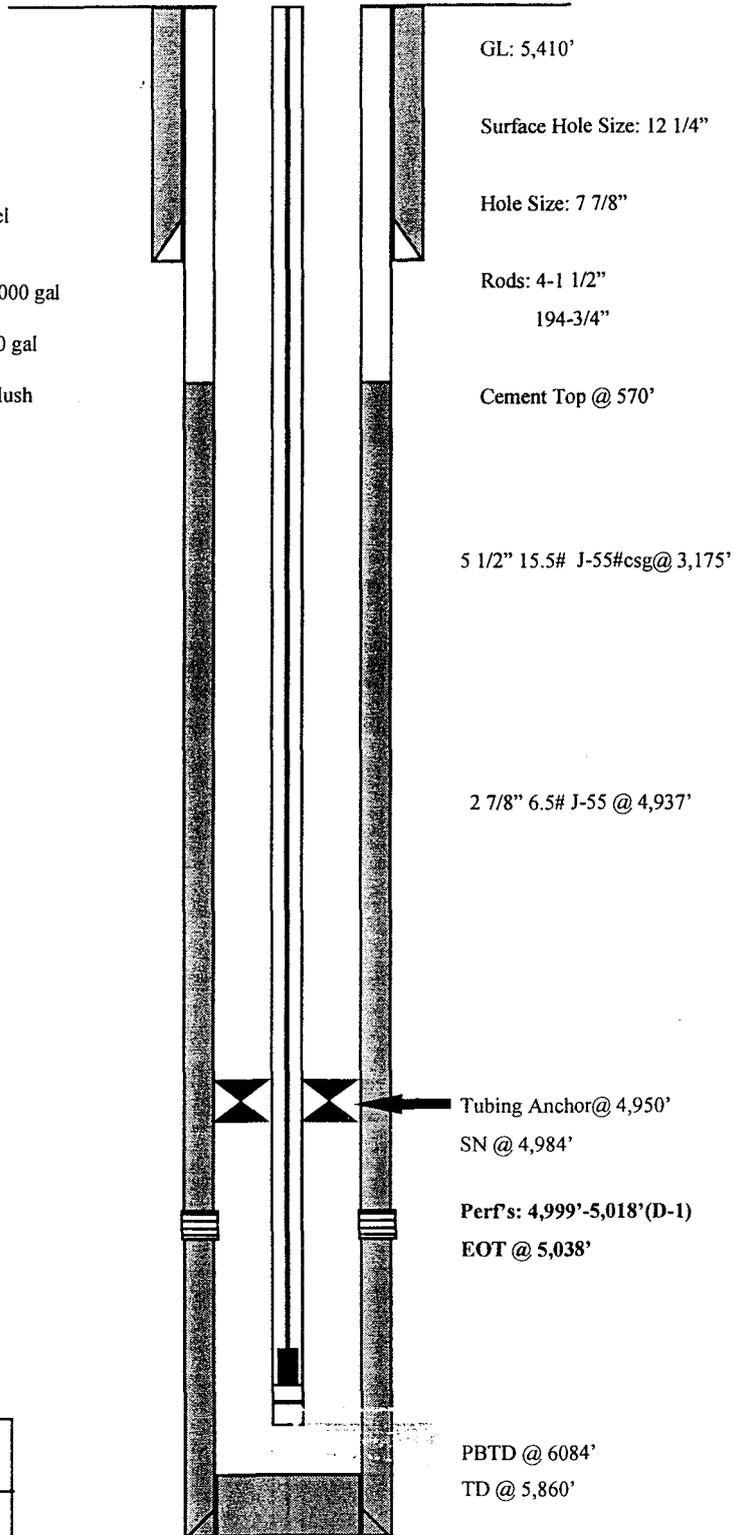


# Exhibit B-1 Monument Butte Federal #13-25

Wellbore Diagram

**Well History:**

6-26-95	Spud Well
8-16-95	Perf 4,999'-5,018'
8-19-95	Frac D-1 sand as follows Prepad 5,000gal 40# X link gel Shut down monitor leak-off Pad 10,000gal purgel 1400 ht Ramp 2# - 8# 20/40 sd w/ 14,000 gal purgel 1350 ht Pump 8 PPG 16/30 sd w/4,000 gal purgel 1350 ht Screenout w/ 1900gal left in flush 136 sx sd left in csg Max TP 3772 @ 36 BPM Avg TP 2600 @ 36 BPM



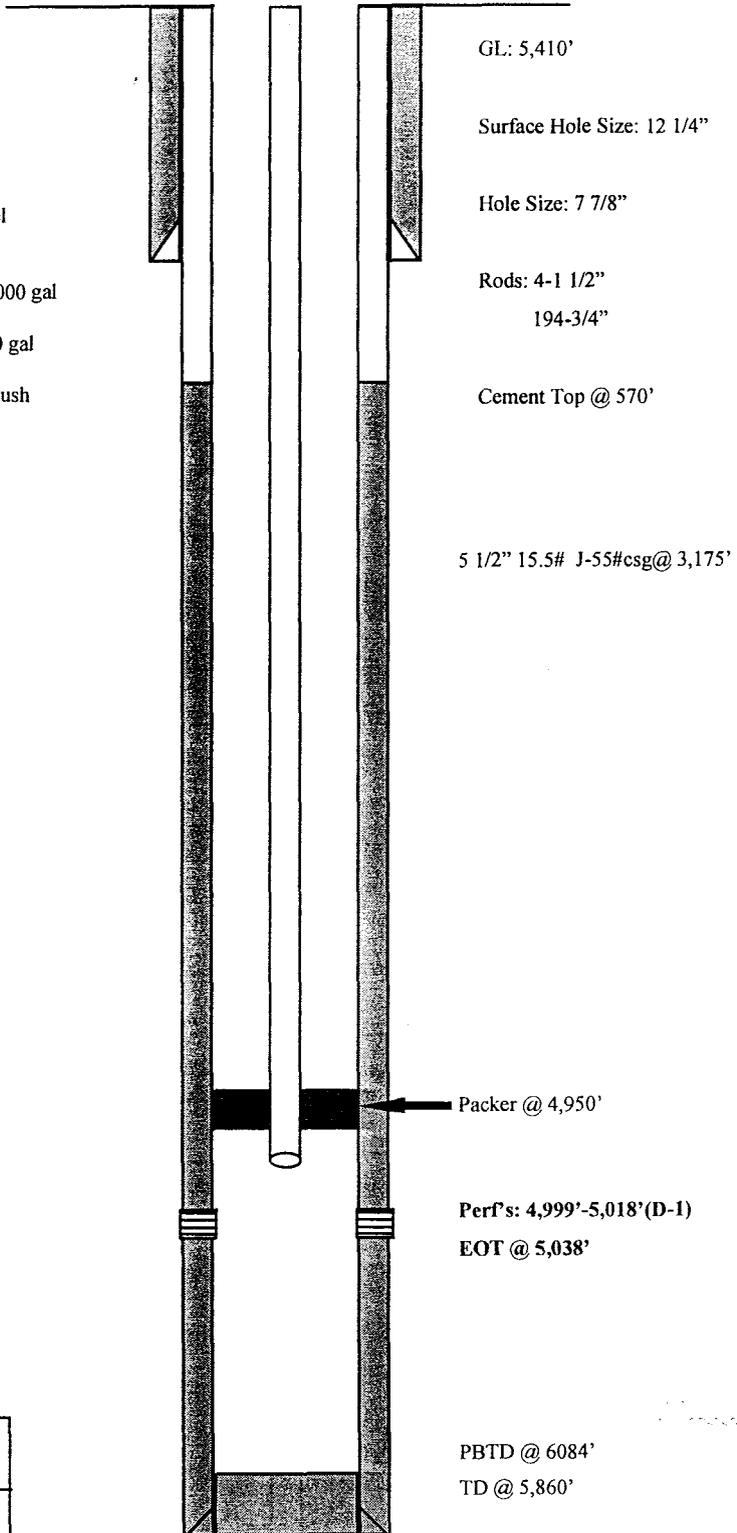
	<b>Inland Resources Inc.</b>
<b>Monument Butte Federal #13-25</b>	
660 FSL 660 FWL SWSW Section 25-T8S-R16E Duchesne Co, Utah API #43-013-31513; Lease #U-67170	

Exhibit B-2  
**Monument Butte Federal #13-25**  
**Injection**

Wellbore Diagram

Well History:

6-26-95	Spud Well
8-16-95	Perf 4,999'-5,018'
8-19-95	Frac D-1 sand as follows Prepad 5,000gal 40# X link gel Shut down monitor leak-off Pad 10,000gal purgel 1400 ht Ramp 2# - 8# 20/40 sd w/ 14,000 gal purgel 1350 ht Pump 8 PPG 16/30 sd w/4,000 gal purgel 1350 ht Screenout w/ 1900gal left in flush 136 sx sd left in csg Max TP 3772 @ 36 BPM Avg TP 2600 @ 36 BPM



	<b>Inland Resources Inc.</b>
	<b>Monument Butte Federal #13-25</b>
	660 FSL 660 FWL
	SWSW Section 25-T8S-R16E
	Duchesne Co, Utah
API #43-013-31513; Lease #U-67170	

# Exhibit B-3 Monument Butte Federal #13-25

Plugged  
Wellbore Diagram

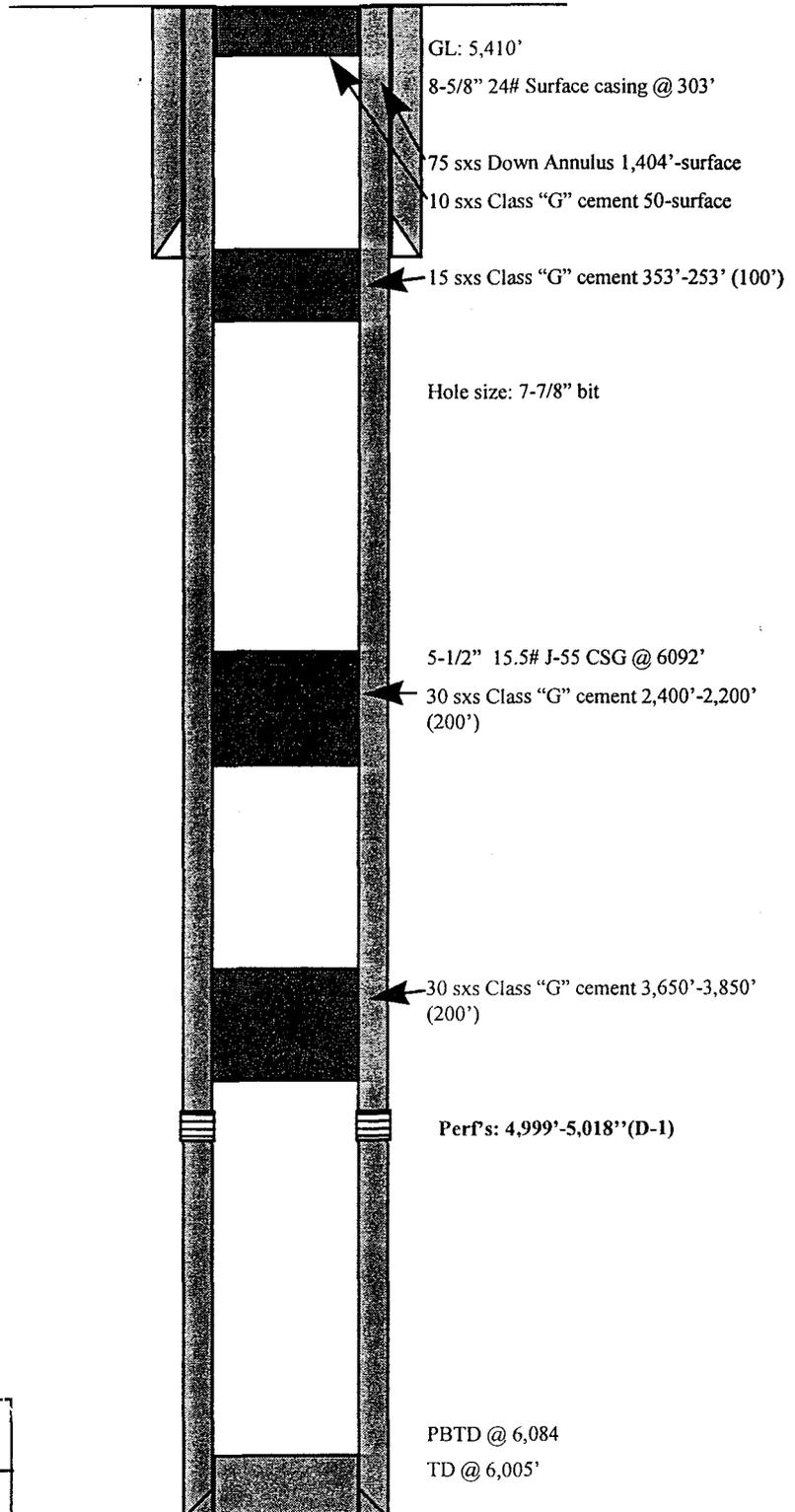
Water Samples and Locations

No USDW found in Uinta Formation

Top of Green River Formation at NA

No USDW found in Green River Formation

Average total dissolved solids in 20 wells within the Monument Butte Project Area equals -----parts per million



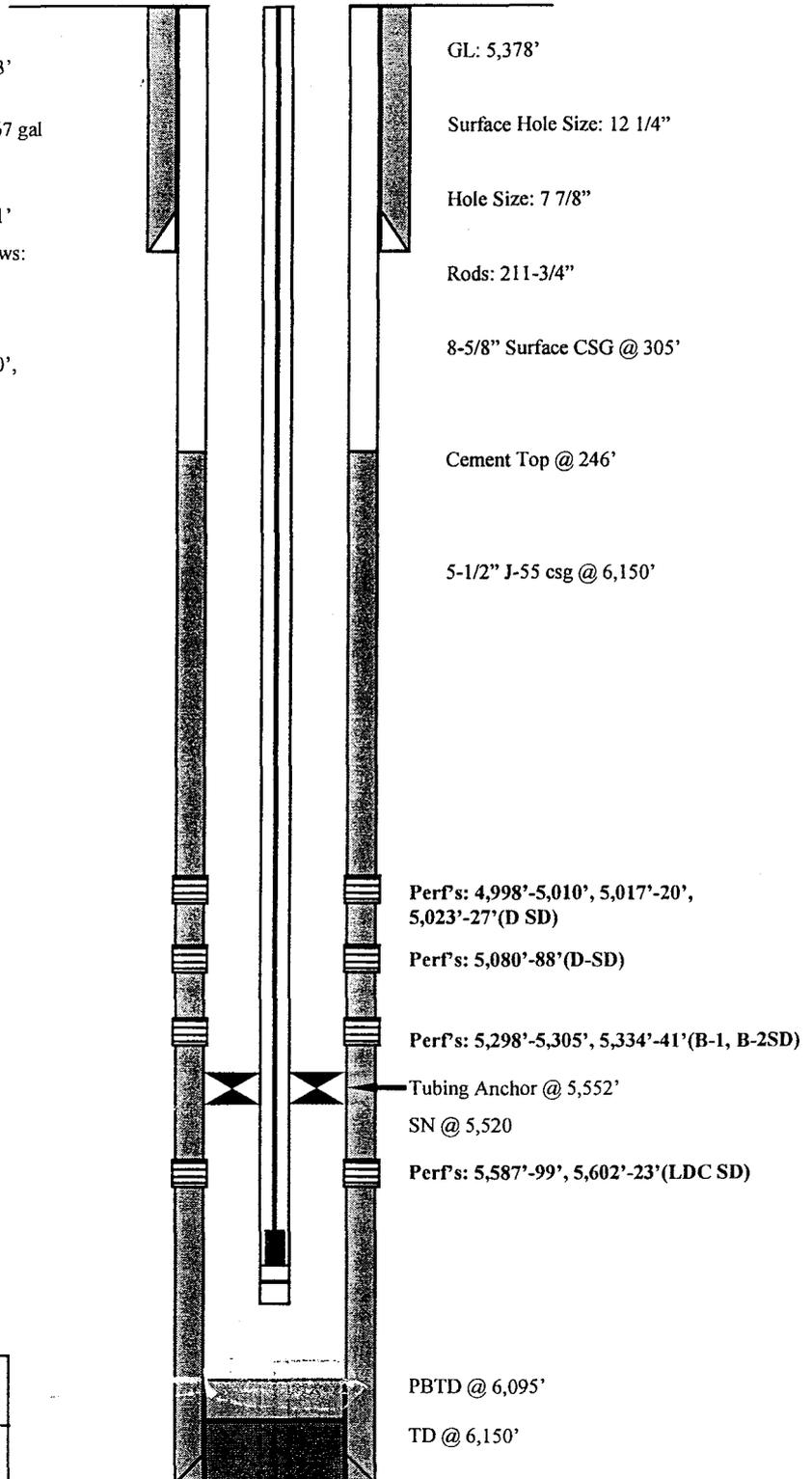
	<b>Inland Resources Inc.</b>
<b>Monument Butte Federal #13-25</b>	
660 FSL 660 FWL SWSW Section 25-T8S-R16E Duchesne Co, Utah API #43-013-31513; Lease #U-67170	

# Exhibit B-4 Monument Butte Federal #11-25

Wellbore Diagram

**Well History:**

10-28-95	Spud Well
11-22-95	Perf 5,587'-5,599', 5,602'-5,623'
11-23-95	Frac LDC zone as follows: Totals 104,500# 20/40 sd, 29,967 gal Avg TP 2,600 @ 36 BPM ISIP 3,396, after 5 min 2,952
11-27-95	Perf 5,298'-5,305', 5,334'-5,341'
11-28-95	Frac B-1 and B-2 zones as follows: 73,500# 20/40 sd, 25,546 gal Avg TP 2,150 @ 38 BPM ISIP 2,128, after 5 min 2,040
11-29-95	Perf 4,998'-5,010', 5,017'-5,020', 5,023'-5,027', 5,080'-5,088'
11-30-95	Frac D zone as follows: 90,820# 20/40 sd, 29,200 gal Avg TP 1,980 @ 30 BPM ISIP 1,980, after 5 min. 1,920
12-3-95	Put On Production



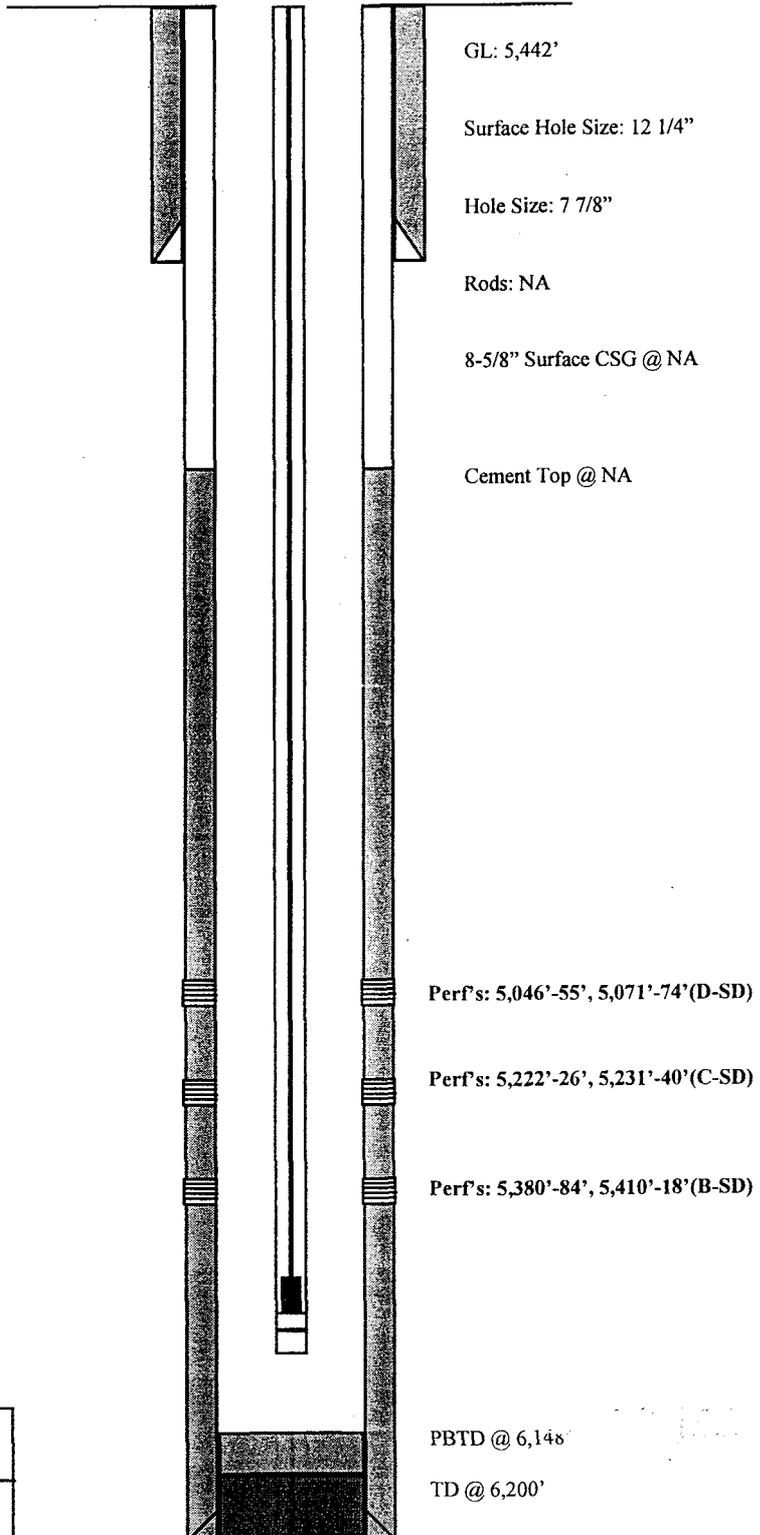
	<b>Inland Resources Inc.</b>
<b>Monument Butte Federal #11-25</b>	
2092 FWL 2074 FSL NESW Section 25-T8S-R16E Duchesne Co, Utah API #43-013-315531; Lease #U-67170	

Exhibit B-5  
 Monument Butte Federal #12-25

Wellbore Diagram

Well History:

10-19-95 Spud Well



**Inland Resources Inc.**

**Monument Butte Federal #12-25**

607 FWL 1901 FSL

NWSW Section 25-T8S-R16E

Duchesne Co, Utah

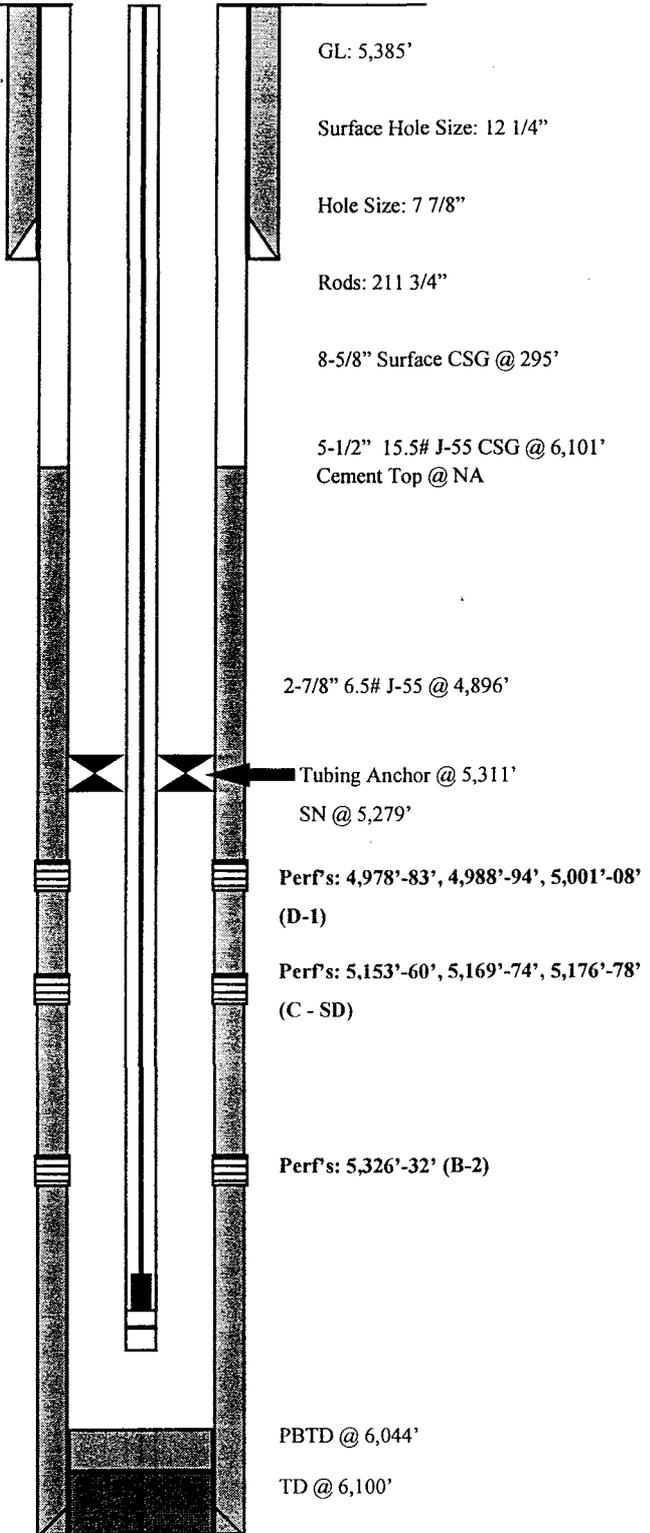
API #43-013-31554; Lease #U-67170

# Exhibit B-6 Monument Butte Federal #14-25

Wellbore Diagram

**Well History:**

8-21-95	Spud Well
10-4-95	Perf 5,326'-5,332'
10-5-95	Frac as follows: Pad 3,000 boragel 4,000 gals boragel w/ 2-4 ppg 16/30 sd 6,000 gals boragel w/ 4-6 ppg 16/30 sd 851 gals boragel w/ 6-8 ppg 16/30 sd Flush 5,246 gals 10# linear gel Total fluid 19,097 Total sand 46,000# 16/30 sand Max TP 2,800 @ 22.5 BPM Avg TP 2,120 @ 21 BPM ISIP 2,341, after 5 min 2,089
10-6-95	Perf 5,153'-5,160', 5,169'-5,174', 5,176'-5,178'
10-7-95	Frac as follows: Pad 5,000 gal boragel 2-4 ppg 16/30 sd w/ 5,000 gal gel 4-6 ppg 16/30 sd w/ 10,000 gal gel 6-8 ppg 16/30 sd w/ 3,247 gal gel Flush w/ 5,100 gal 10# linear gel Total sd 80,200# linear gel Max TP 2,850 @ 44.5 BPM Avg TP 2,100 @ 4.0 BPM ISIP 2,676, after 5 min 2,037
10-8-95	Perf 4,978'-4,983', 4,988'-4,994', 5,001'-5,008'
10-10-95	Frac as follows: Pad 5,500 gal gel 2-4 ppg 16/30 sd in 5,000 gal gel 4-6 ppg 16/30 sd in 10,000 gal gel 6-8 ppg 16-30 sd in 4,075 gal gel Flush 4,943 gals linear gel Total fluid 29,518 gal Total sd 81,000# 16/30 sd Max TP 3,999 @ 36.8 BPM Avg TP 2,100 @ 35 BPM ISIP 2,519, after 5 min. 2,355



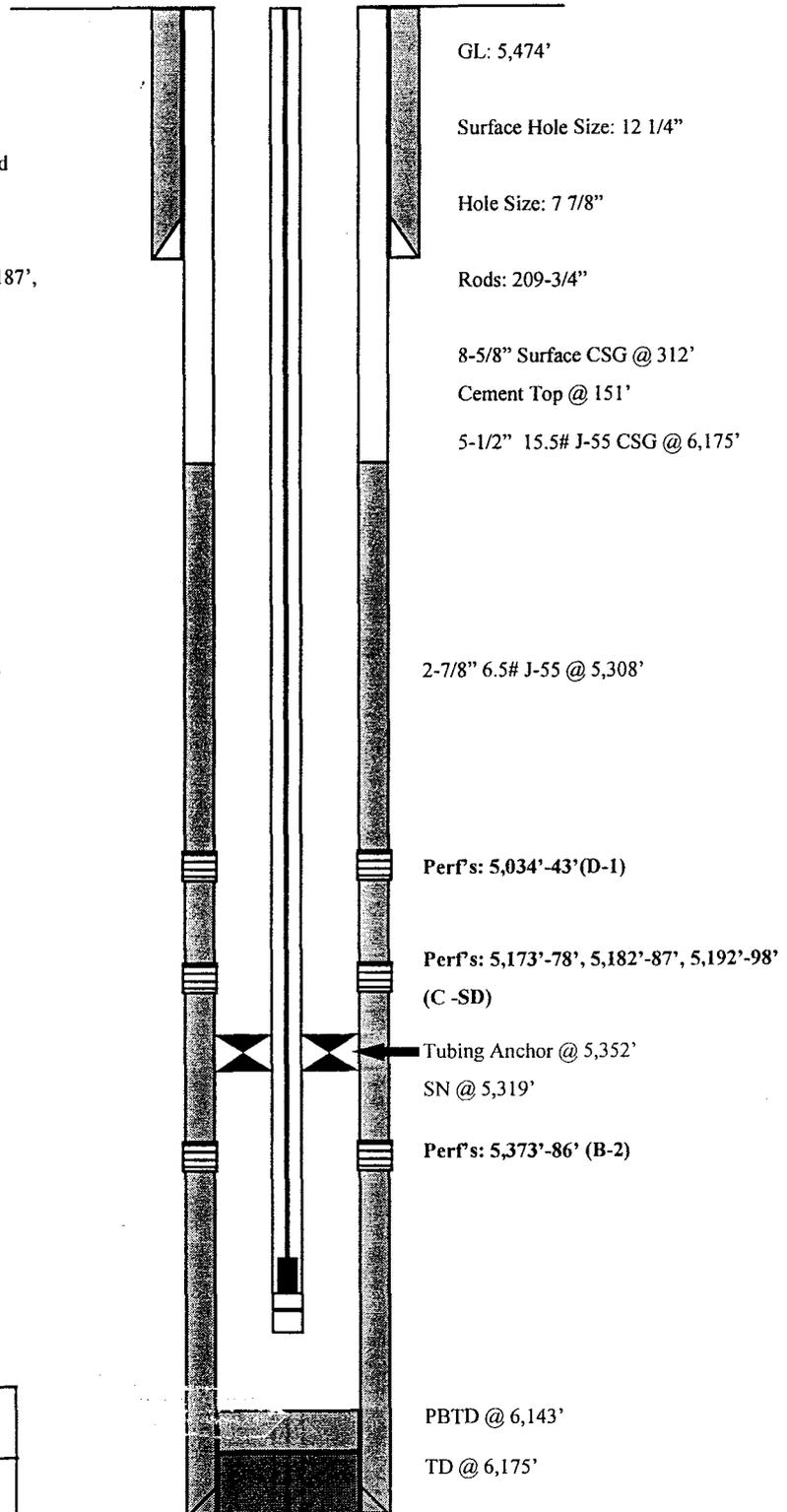
<span style="font-size: 1.2em; font-weight: bold; vertical-align: middle;">Inland Resources Inc.</span>
<b>Monument Butte Federal #14-25</b> 1980 FWL 535 FSL SESW Section 25-T8S-R16E Duchesne Co, Utah API #43-013-31531; Lease #U-67170

# Exhibit B-7 Monument Butte Federal #16-26

Wellbore Diagram

**Well History:**

9-5-95	Spud Well
10-18-95	Perf: 5,373'-5,386'
10-19-95	Frac B-2 zone as follows: Total fluid 26,694 gals Total sand 97,000# 20/40 sand Max TP 3,400 @ 29 BPM Avg TP 2,200 @ 25 BPM ISIP 2,602, after 5 min 2,255
10-20-95	Perf 5,173'-5,178', 5,182'-5,187', 5,192'-5,198'
10-21-95	Frac C-SD zone as follows: Total fluid 27,132 gal Total sd 80,600# 20/40sd Max TP 2,500 @ 39 BPM Avg TP 2,050 @ 32 BPM ISIP 1,804, after 5 min 2,045
10-22-95	Perf 5,034'- 5,043',
10-24-95	Frac D-1 zone as follows: Total fluid 22,166 gal Total sd 59,800# 16/30 sd Max TP 2,938 @ 30 BPM Avg TP 2,200 @ 26 BPM ISIP 2,131, after 5 min. 2,098



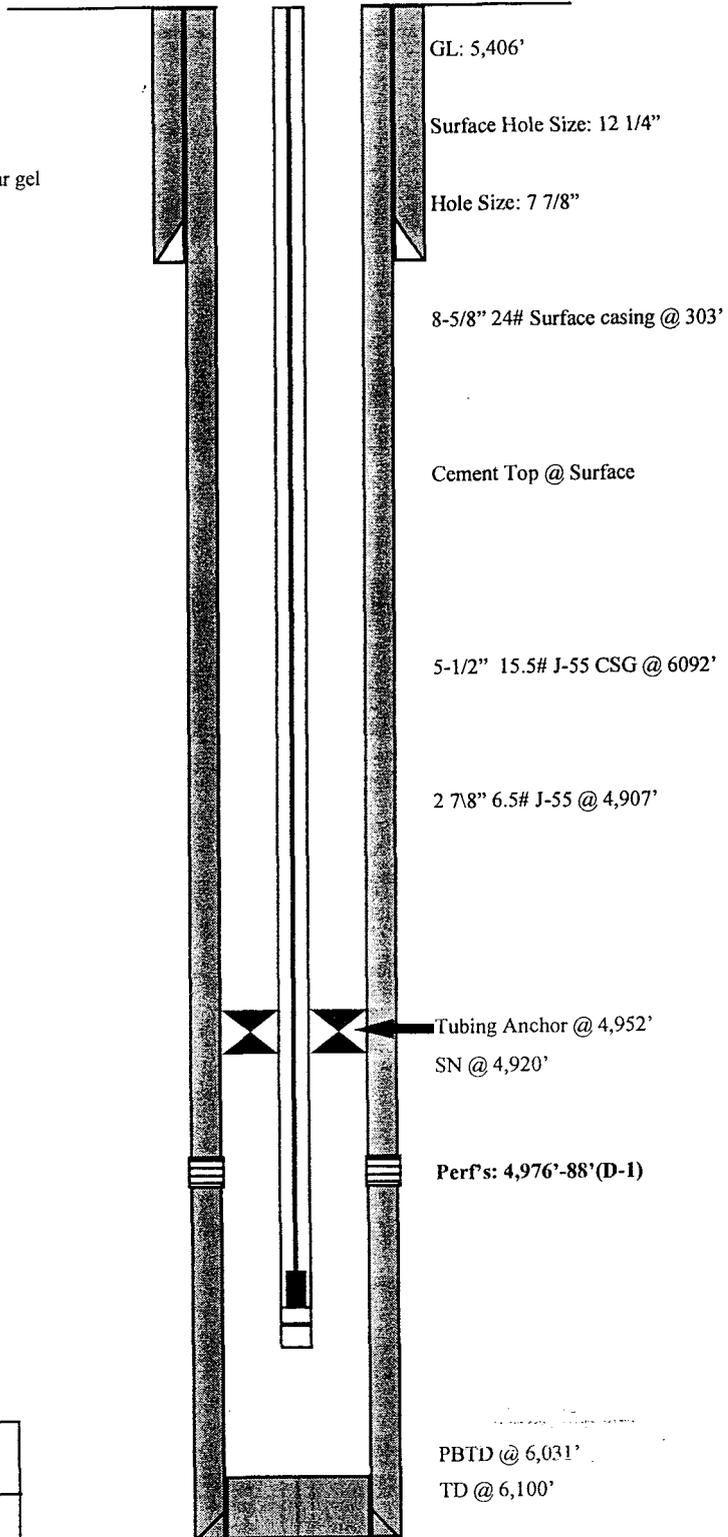
	<b>Inland Resources Inc.</b>
<b>Monument Butte Federal #16-26</b>	
507 FSL 666 FWL SESE Section 26-T8S-R16E Duchesne Co, Utah API #43-013-31571; Lease #U-67160	

# Exhibit B-8 Monument Butte Federal #3-36

Wellbore Diagram

**Well History:**

9-22-95	Spud Well
10-25-95	Perf 4,976'-4,988'
10-26-95	Frac D-1 zone as follows: Flush with 4,876 gal 10# linear gel Total fluid 24,286 gal Total sd 81,600# 16/30



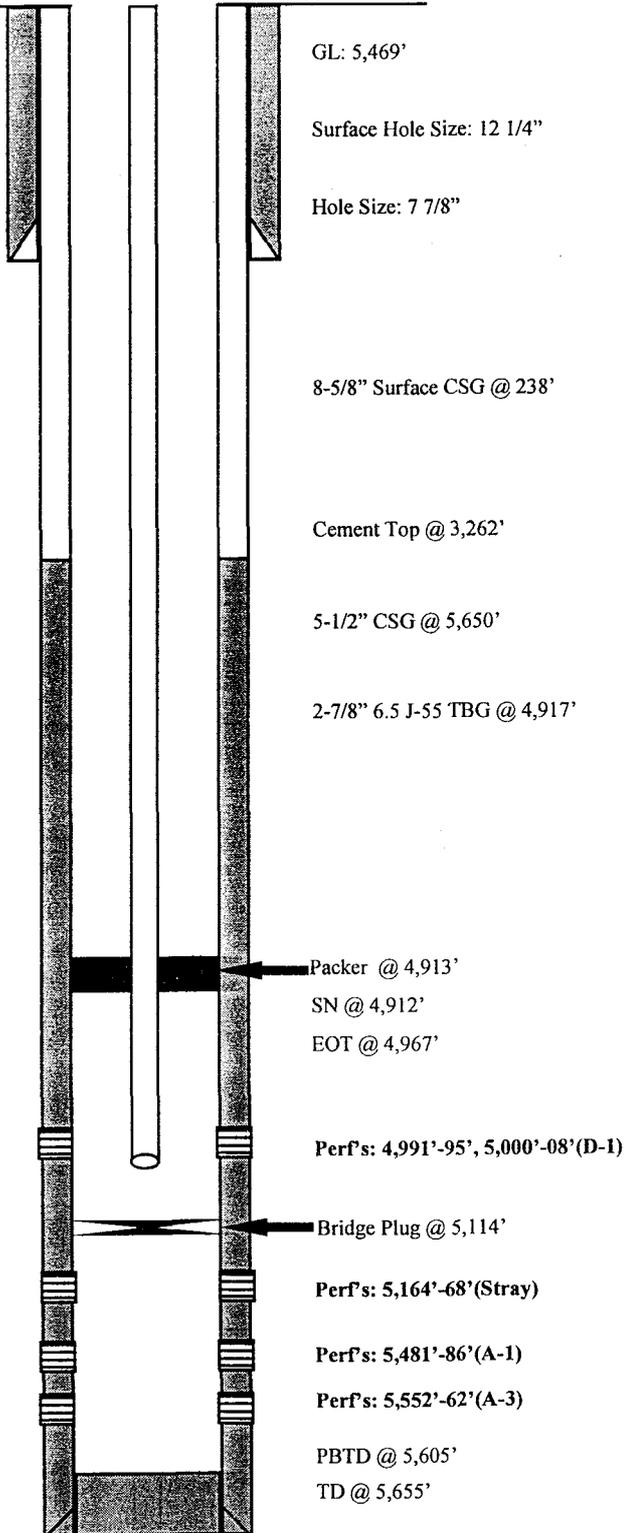
	<b>Inland Resources Inc.</b>
<b>Monument Butte Federal #3-36</b>	
1962 FWL 571 FNL NENW Section 36-T8S-R16E Duchesne Co, Utah API #43-013-31552; Lease #ML-22061	

**Exhibit B-9**  
**Monument Butte State #5-36**  
**Injection Well**

Wellbore Diagram

**Well History:**

6-6-82	Spud Well
7-1-82	Perf: 5,552'-5,562', 5,481'-5,486'
7-2-82	Frac A-1 and A-3 zones as follows: Pump 7000 gal pad 3000 gal 1 ppg 20/40 sd 3500 gal 2 ppg 20/40 sd 4000 gal 3 ppg 20/40 sd 5000 gal 4 ppg 20/40 sd 5000 gal 5 ppg 20/40 sd Flush to perfs Totals 27,500 gal, 67,000# 20/40 sd
7-9-82	Perf: 5,164'-5,168', 4,991'-4,995', 5,000'-5,008'
7-10-82	Frac D-1 zone as follows: 6000 gal pad 3000 gal 1 ppg 20/40 sd 3000 gal 2 ppg 20/40 sd 4000 gal 3 ppg 20/40 sd 4000 gal 4 ppg 20/40 sd 4000 gal 5 ppg 20/40 sd Totals 34,000gal, 49,000# 20/40 sd Max TP 3300 @ 30 BPM Avg TP 3000 @ 30 BPM ISIP 2400, after 5 min 2100
9-24-87	Converted to Injector



	<b>Inland Resources Inc.</b>
	<b>Monument Butte State #5-36</b> 1848 FNL 723 FWL SWNW Section 36-T8S-R16E Duchesne Co, Utah API #43-013-30642; Lease #U-22061

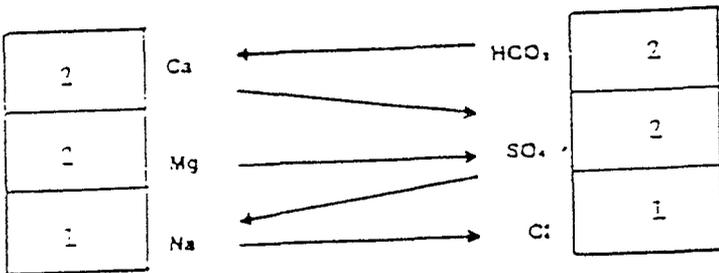
**WATER ANALYSIS REPORT**

COMPANY Lomax Exploration ADDRESS Roosevelt, UT. DATE 3-22-91  
SOURCE Johnson water pump section DATE SAMPLED 3-22-91 ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/l (ppm)	Meq/l
1. PH	<u>6.5</u>	
2. H <sub>2</sub> S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.002</u>	
4. Dissolved Solids	<u>370</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )		
8. Bicarbonate (HCO <sub>3</sub> )	<u>140</u>	<u>61</u> HCO <sub>3</sub>
9. Chlorides (Cl)	<u>30</u>	<u>35.5</u> Cl
10. Sulfates (SO <sub>4</sub> )	<u>100</u>	<u>48</u> SO <sub>4</sub>
11. Calcium (Ca)	<u>43</u>	<u>20</u> Ca
12. Magnesium (Mg)	<u>29</u>	<u>12.2</u> Mg
13. Total Hardness (CaCO <sub>3</sub> )	<u>240</u>	
14. Total Iron (Fe)	<u>.3</u>	
15. Barium (Qualitative)		
16. Phosphate Residuals		

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**



Compound	Eqvt. Wt.	X	Meq/l	=	Mg/l
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>2</u>		<u>162</u>
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17				
Mg SO <sub>4</sub>	60.19		<u>2</u>		<u>120</u>
Mg Cl <sub>2</sub>	47.92				
Na HCO <sub>3</sub>	84.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
Na Cl	58.48				<u>58</u>

Saturation Values Distilled Water 20°C

Ca CO <sub>3</sub>	13 Mg/l
Ca SO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
Mg CO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_



OFFICE: P.O. BOX 1898  
 TEL: 214/872-3011  
 CORNICANA, TX. 75151  
 FAX: 214/872-4216

PLANT: TEL: 214/874-9500  
 FAX: 214/874-9596

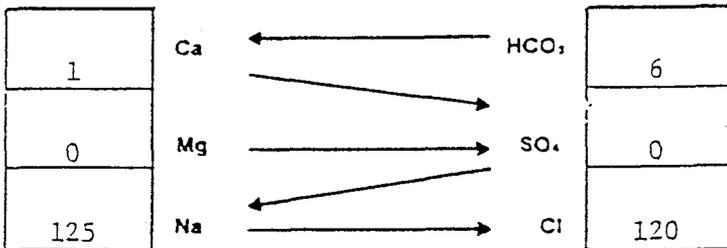
# WATER ANALYSIS REPORT

COMPANY Lomax Exploration ADDRESS Roosevelt, UT. DATE: 12-05-90  
 SOURCE 8-34 DATE SAMPLED \_\_\_\_\_ ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/l (ppm)	*Meq/l
1. PH	8.1	
2. H <sub>2</sub> S (Qualitative)	5.5	
3. Specific Gravity	1.017	
4. Dissolved Solids	7,542	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )		
8. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> 366	+61 6 HCO <sub>3</sub>
9. Chlorides (Cl)	Cl 4,272	+35.5 120 Cl
10. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> 0	+48 0 SO <sub>4</sub>
11. Calcium (Ca)	Ca 24	+20 1 Ca
12. Magnesium (Mg)	Mg 5	+12.2 0 Mg
13. Total Hardness (CaCO <sub>3</sub> )	80	
14. Total Iron (Fe)	1.1	
15. Barium (Qualitative)		
16. Phosphate Residuals		

\*Milli equivalents per liter

## PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04		1		31
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17				
Mg SO <sub>4</sub>	60.19				
Mg Cl <sub>2</sub>	47.62				
Na HCO <sub>3</sub>	84.00		5		420
Na <sub>2</sub> SO <sub>4</sub>	71.03				
Na Cl	58.46		120		7,015

Saturation Values	Distilled Water 20°C
Ca CO <sub>3</sub>	13 Mg/l
Ca SO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
Mg CO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_



A Procter & Gamble Co.

EXHIBIT C-3

P.O. BOX 1898  
CORSIANA, TX. 75151

OFFICE:  
TEL: 214/872-3011  
FAX: 214/872-4216

PLANT:  
TEL: 214/874-9500  
FAX: 214/874-9596

**WATER ANALYSIS REPORT**

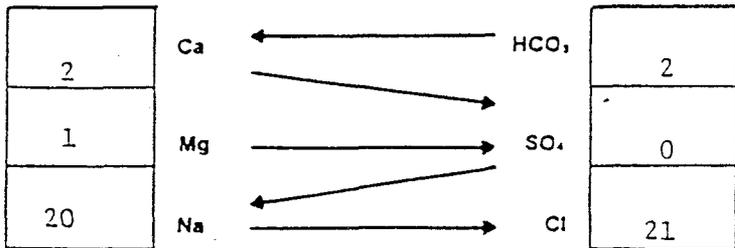
COMPANY Lomax Exploration ADDRESS Roosevelt, UT. DATE: 12-06-90

SOURCE 1 part 8-34 to 10 parts source water DATE SAMPLED \_\_\_\_\_ ANALYSIS NO. \_\_\_\_\_

Analysis	Mq/l (ppm)	*Meq/l
1. PH	<u>7.8</u>	
2. H <sub>2</sub> S (Qualitative)	<u>1.0</u>	
3. Specific Gravity	<u>1.001</u>	
4. Dissolved Solids	<u>1,423</u>	
5. Suspended Solids	_____	
6. Anaerobic Bacterial Count	_____ C/MI	
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	_____	
8. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> <u>122</u>	<u>2</u> HCO <sub>3</sub>
9. Chlorides (Cl)	Cl <u>754</u>	<u>21</u> Cl
10. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> <u>20</u>	<u>0</u> SO <sub>4</sub>
11. Calcium (Ca)	Ca <u>48</u>	<u>2</u> Ca
12. Magnesium (Mg)	Mg <u>19</u>	<u>1</u> Mg
13. Total Hardness (CaCO <sub>3</sub> )	<u>200</u>	
14. Total Iron (Fe)	<u>1.3</u>	
15. Barium (Qualitative)	_____	
16. Phosphate Residuals	_____	

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>2</u>		<u>162</u>
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17				
Mg SO <sub>4</sub>	60.19				
Mg Cl <sub>2</sub>	47.62		<u>1</u>		<u>48</u>
Na HCO <sub>3</sub>	84.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
Na Cl	58.46		<u>20</u>		<u>1,169</u>

Saturation Values	Distilled Water 20°C
Ca CO <sub>3</sub>	13 Mg/l
Ca SO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
Mg CO <sub>3</sub>	103 Mg/l

MARKS \_\_\_\_\_

Inland Resources  
 Monument Butte 13-25  
 August 17, 1995  
 Perfs. 4,999' to 5,018'

HH:MM:SS	Stage Number	Casing Pr (psi)	Clean Rate (bpm)	Slurry Rt (bpm)	PConc/Slur (lb/gal)	BHTP(Calc) (psi)	Friction (psi)	Hydro Head (psi)	Frac Gradient	Comments
8:59:00	1	1	34.92	18.6	0	2076	97	2172	Not Applicable	Load Hole
9:00:00	1	29	21.14	21.80	0	2116	83	2170	Not Applicable	
9:01:00	1	23	21.3	21.38	0	2045	147	2168	Not Applicable	
9:02:00	1	14	15.83	21.25	0	2030	151	2167	Not Applicable	
9:03:00	1	13	21.53	21.16	0	2049	130	2165	Not Applicable	
9:04:00	1	13	19.3	21.78	0	2056	120	2163	Not Applicable	
9:05:00	1	1951	21.1	24.67	0	3902	211	2162	0.78	Hole Loaded
9:06:00	1	2029	23.24	25.09	0	3980	211	2162	0.79	
9:07:00	1	2080	26.15	25.08	0	4033	209	2162	0.81	
9:08:00	2	2163	21.03	24.86	1.53	4124	209	2170	0.82	Begin Sand
9:09:00	2	2174	18.69	24.8	2.44	4188	218	2233	0.84	
9:10:00	2	2139	19.67	24.74	2.8	4223	227	2312	0.84	
9:11:00	2	2078	19.48	24.58	3.38	4240	238	2400	0.85	
9:12:00	2	2007	22.21	24.75	3.81	4257	253	2504	0.85	
9:13:00	2	1912	20.98	24.69	4.28	4238	265	2591	0.85	
9:14:00	2	1897	20.9	24.77	4.39	4267	271	2642	0.85	
9:15:00	2	1902	20.91	24.74	4.8	4311	276	2685	0.86	Start Screenout
9:16:00	2	1972	18.49	24.74	4.95	4413	281	2722	Not Applicable	
9:17:00	2	2100	18.59	25.6	5.35	4564	293	2757	Not Applicable	
9:18:00	2	2263	20.87	30.58	5.48	4713	342	2792	Not Applicable	
9:19:00	2	2484	24.83	30.88	5.64	4966	347	2829	Not Applicable	
9:20:00	2	2850	22.07	30.73	6.26	5365	348	2863	Not Applicable	
9:21:00	2	4881	0	0	0	7762	0	2881	Not Applicable	Screenout
9:22:00	2	2887	0	0.00	1.62	5767	0	2881	Not Applicable	

NOTES: Perfs 4,999' to 5,018'  
 Frac Gradient= (BHTP/Mid-perf Depth)

**FILED**

DEC 1, 1995

SECRETARY, BOARD OF  
OIL, GAS & MINING

**BEFORE THE BOARD OF OIL, GAS AND MINING**

**DEPARTMENT OF NATURAL RESOURCES**

**STATE OF UTAH**

---

IN THE MATTER OF THE REQUEST )  
FOR AGENCY ACTION OF INLAND )  
PRODUCTION COMPANY FOR )  
APPROVAL OF SECONDARY )  
RECOVERY OPERATIONS IN THE )  
GREEN RIVER FORMATION, IN )  
SECTIONS 24, 25, AND 26, )  
TOWNSHIP 8 SOUTH, RANGE 16 )  
EAST, S.L.M., DUCHESNE COUNTY, )  
UTAH, AND FOR AUTHORITY FOR )  
UNDERGROUND INJECTION OF )  
WATER )

**REQUEST FOR AGENCY ACTION**

Docket No. \_\_\_\_\_

Cause No. 713-3

---

INLAND PRODUCTION COMPANY, by and through its undersigned attorneys, petitions the Board of Oil, Gas and Mining for an order (1) approving secondary recovery operations in the Green River Formation in the proposed Monument Butte Northeast Project Area, (2) approving a plan of development and operations for secondary recovery, (3) authorizing underground injection of water in the reservoir sands of the Green River Formation in Sections 24, 25, and 26, Township 8 South, Range 16 East, S.L.M., Duchesne County, Utah, and (4) granting authority to use the Monument Butte Federal #13-25 Well situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of

Section 25, Township 8 South, Range 16 East, as the initial injection well in the proposed secondary recovery project, and shows as follows:

1. Inland Production Company ("Inland") is a Texas corporation in good standing, having its principal place of business in Denver, Colorado. Inland is qualified to do business in Utah.

2. The Board of Oil, Gas and Mining (the "Board") has jurisdiction of the parties and subject matter of this Request for Agency Action, pursuant to Section 40-6-5 of the Utah Code Annotated.

3. Petitioner seeks approval of a plan of development and operations for secondary recovery through underground injection of water for lands and reservoirs committed to the proposed Monument Butte Northeast Project (the "proposed secondary recovery project").

4. The proposed secondary recovery project embraces the following described lands in the Monument Butte Field, Duchesne County, Utah:

Township 8 South, Range 16 East, S.L.M.

Section 24: S $\frac{1}{2}$

Section 25: E $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , S $\frac{1}{2}$

Section 26: S $\frac{1}{2}$ SE $\frac{1}{4}$

(containing 960 acres, more or less)

5. The formation to be approved for secondary recovery operations is the Green River Formation, more particularly described as follows:

In the Inland Resources Inc. Monument Butte  
Federal #13-25 Well located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of

Section 25, Township 8 South, Range 16 East, S.L.M., the top of the Green River Formation is at a depth of 1,772 feet. This formation continues to 6,080 feet (Basal Carbonate), a gross interval of 4,308 feet.

6. The lands embraced within the proposed secondary recovery project are subject to United States Oil and Gas Lease U-67170 (the "Lease") and the oil and gas and other hydrocarbon minerals are owned by the United States of America.

7. Inland owns all of the working interest in the acreage committed to the proposed injection project.

8. The United States of America is the surface owner of the lands embraced within the proposed secondary recovery project, which are administered by the United States Department of the Interior, Bureau of Land Management.

9. Drilling has proceeded under state-wide location and density patterns for the location and siting of wells established by Rule R649-3-2, Utah Administrative Code (1995), and predecessor rules.

10. The following wells have been completed in the acreage embraced by the proposed secondary recovery project:

a. Monument Butte Federal #11-25 situated in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25. First production occurred in December 1995.

b. Monument Butte Federal #12-25 situated in the NW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25. First production is expected to begin in December 1995.

c. Monument Butte Federal #15-25 situated in the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 25. First production is expected to begin on December 15, 1995.

d. Monument Butte Federal #14-25 situated in the SE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25. First production occurred in October 1995.

e. Monument Butte Federal #13-25 situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25. First production occurred in August 1995.

f. Monument Butte Federal #16-26 situated in the SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 26. First production occurred in October 1995.

11. All of the wells described above have produced, or are expected to produce, oil and gas from the Green River Formation.

#### **SECONDARY RECOVERY OPERATIONS**

12. Petitioner's allegations 1 through 11 are incorporated herein by reference.

13. No voluntary agreement of the type contemplated by Section 40-6-7(1) of the Utah Code Annotated and no plan of development and operation of the pool as a unit contemplated by Section 40-6-7(2) of the Utah Code Annotated exists with respect to the proposed secondary recovery project. Second recovery operations will be in the public interest, will promote conservation, and will increase ultimate recovery. Prevention of waste will occur only if owners within the pool agree to a method of prudent and economical operations which will avoid the drilling of unnecessary wells and avoid the inefficient, excessive, or improper use or the unnecessary dissipation of oil and gas or reservoir energy. Secondary recovery operations

will ensure that each owner in the pool is allowed to produce its just and equitable share of the oil and gas in the pool, thereby protecting the correlative rights of each owner or producer.

14. Secondary recovery operations are necessary to fulfill the purposes of Chapter 6 of Title 40 of the Utah Code Annotated.

15. The value of the estimated additional recovery of oil or gas substantially exceeds the estimated additional costs incident to conducting secondary recovery operations.

16. The United States of America is willing to approve secondary recovery operations.

#### **UNDERGROUND INJECTION OF WATER**

17. Petitioner's allegations 1 through 16 are incorporated herein by reference.

18. Inland will operate the proposed secondary recovery project.

19. A plat showing the area involved and identifying all wells, including the proposed injection well, in the proposed secondary recovery project and within a one-half mile radius of the project area is attached hereto as Exhibit "A" and made a part hereof.

20. A copy of the log for the Monument Butte Federal #13-25 Well is attached hereto as Exhibit "B" and made a part hereof. The Monument Butte Federal #13-25 Well is a representative well completed within the subject pool.

21. The water to be used as the injection medium for this secondary recovery project will be purchased from the Johnson Water District and transported by pipeline to the proposed secondary recovery project. The estimated amount to be injected daily is 200-300 barrels. Water from the identical source is now being used, or is authorized for use, for water

flood operations at the Monument Butte (Green River "D"), Travis, Boundary, and Gilsonite Units, as authorized by the Board's Orders in Causes No. 213-1, No. 213-2, No. 225-1, and No. 229-1, respectively. Inland Production Company, successor by merger to Lomax Exploration Company, is the operator of all four units.

22. The initial water injection well will be the Monument Butte #13-25 Well located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25, Township 8 South, Range 16 East, S.L.M., as indicated on Exhibit "A." A copy of the Application for Injection Well, UIC Form 1, for the Monument Butte #13-25 Well is attached hereto as Exhibit "E" and made a part hereof.

23. The names and addresses of all operators and owners as defined in Section 40-6-2, Utah Code Annotated, and of all surface owners within a one-half mile radius of the project area are set forth in Exhibit "C" attached hereto and made a part hereof.

24. The Affidavit required by Rules R649-5-1(2.9) and R649-5-2(2.12), Utah Administrative Code (1995) is attached hereto as Exhibit "D" and made a part hereof.

25. Secondary recovery operations in the proposed secondary recovery project area are necessary to foster, encourage, and promote development, production, and utilization of oil and gas to prevent waste; provide for the operation and development of oil and gas properties in such a manner that a greater ultimate recovery of oil and gas may be obtained; and provide protection of correlative rights of all owners.

WHEREFORE, Petitioner respectfully requests the Board to:

A. Set this matter for hearing at the scheduled meeting of this Board to be held on January 24, 1996, to consider the need for secondary recovery operations in the proposed secondary recovery project area.

B. Give notice of this Request for Agency Action and the hearing as provided by the laws of the State of Utah and regulations issued pursuant thereto. The names and addresses of the parties interested in this matter are set forth in Exhibit "C" to this Request for Agency Action.

C. Conduct a hearing at which Petitioner and all interested parties may be allowed to present evidence regarding the need for secondary recovery operations for the proposed secondary recovery project area.

D. To make its findings that:

(1) Secondary recovery operations within the proposed secondary recovery project area are necessary to foster, encourage, and promote development, production, and utilization of oil and gas and to prevent waste; provide for the operation and development of oil and gas properties in such a manner that a greater ultimate recovery of oil and gas may be obtained; and to provide for protection of correlative rights of all owners; and

(2) The value of estimated additional recovery of oil and gas substantially exceeds the estimated additional cost incident to conducting such operations.

E. Enter its order establishing and approving secondary recovery operations in the proposed secondary recovery project area.

F. Enter an order approving the plan of development and operations for secondary recovery.

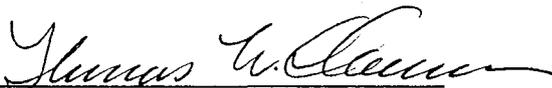
G. Enter an order granting authority for water injection into the Monument Butte Federal #13-25 Well situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25, Township 8 South, Range 16 East, S.L.M., as set forth in this Request for Agency Action and the proposed plan of development and operations.

H. Suspend existing spacing orders and/or state-wide field or siting rules to the extent said orders or rules are inconsistent with the proposed secondary recovery project.

I. Provide such other relief as may be just and proper under the circumstances.

Dated this 11th day of December, 1995.

VAN COTT, BAGLEY, CORNWALL & McCARTHY

By 

Thomas W. Clawson  
Attorneys for Petitioner  
50 South Main Street, Suite 1600  
P. O. Box 45340  
Salt Lake City, Utah 84145  
Telephone: (801) 532-3333

Petitioner's Address:

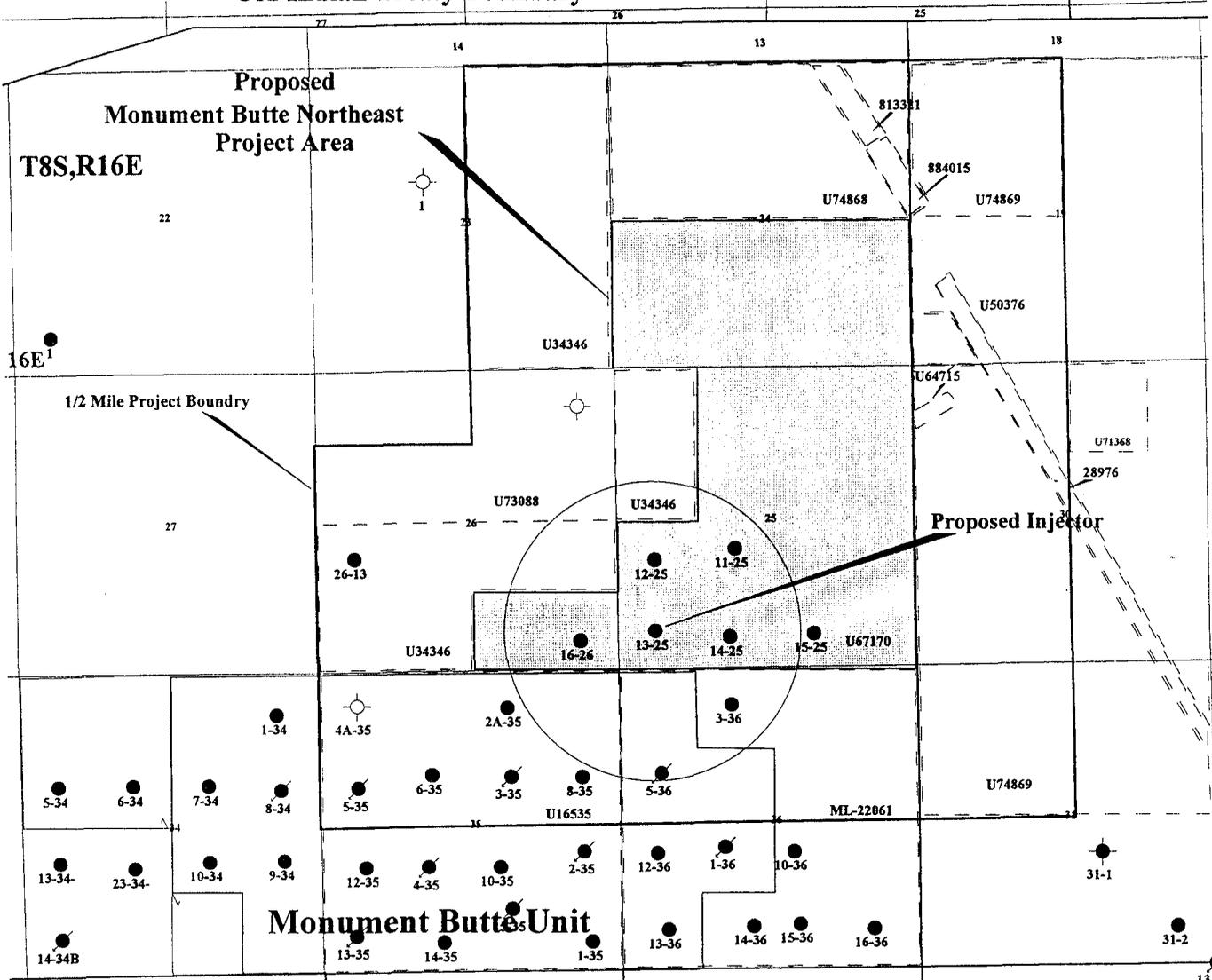
INLAND PRODUCTION COMPANY  
475 Seventeenth St., Suite 1500  
Denver, Colorado 80202

Attention: Chris A. Potter

Old Indian Treaty Boundary



Proposed  
Monument Butte Northeast  
Project Area  
T8S,R16E



Monument Butte Unit

 475 177 Street, Suite 1500  
Denver, Colorado 80202  
Phone: (303) 292-0900

Lease Holdings  
Monument Butte #13-25  
Exhibit A-7

Date: 12-7-95 JA

EXHIBIT "A"

**EXHIBIT "B"**

LOG FROM MONUMENT BUTTE FEDERAL #13-25 WELL

(To be supplied under separate cover)

(Copies of the logs of the well in the unit area may be examined at the offices of the Utah Division of Oil, Gas and Mining.)

**EXHIBIT "C"**

**NAMES AND ADDRESSES OF OWNERS, OPERATORS, AND SURFACE OWNERS WITHIN A ONE-HALF MILE RADIUS OF THE MONUMENT BUTTE NORTHEAST PROJECT AREA, DUCHESNE COUNTY, UTAH.**

INLAND RESOURCES INC.  
ATTN: CHRIS POTTER  
475 17TH ST., SUITE 1500  
DENVER, CO 80202

INLAND PRODUCTION COMPANY  
ATTN: CHRIS POTTER  
475 17TH ST., SUITE 1500  
DENVER, CO 80202

LOMAX EXPLORATION COMPANY  
475 17TH ST., SUITE 1500  
DENVER, CO 80202

KING OIL & GAS OF TEXAS, LTD.  
ATTN: DUANE KING  
5005 RIVERWAY, SUITE 550  
HOUSTON, TX 77056-2123

JAMES & BEVERLY FISCHGRUND, JT.  
1025 NORTH CRESCENT DR.  
BEVERLY HILLS, CA 90210

THOMAS INGLE JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

CODRINGTON OIL & GAS, INC.  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

CODRINGTON OIL & GAS COMPANY  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

CODRINGTON OIL & GAS, LTD.  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

TEXAS GENERAL OFFSHORE, INC.  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

INTERNATIONAL DRILLING  
SERVICES  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

GREEN RIVER OIL & GAS, INC.  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504  
HOUSTON, TX 77040

COG PARTNERSHIP  
ATTN: TOM JACKSON  
7710-T CHERRY PARK, SUITE 504

HOUSTON, TX 77040

RAYMOND H. BRENNAN  
1451 WOODHOLLOW DR. #28302  
HOUSTON, TX 77057

TEXAS GENERAL RESOURCES  
CORPORATION  
ATTN: RAYMOND H. BRENNAN  
1451 WOODHOLLOW DR. #28302  
HOUSTON, TX 77057

MARIAN BRENNAN  
1451 WOODHOLLOW DR. #28302  
HOUSTON, TX 77057

ENSERCH EXPLORATION COMPANY  
ATTN: JOHN DARLINGTON  
4849 GREENVILLE AVE., SUITE 1200  
DALLAS, TX 75206-1486

DALEN RESOURCES OIL & GAS  
COMPANY  
ATTN: JOHN DARLINGTON  
4849 GREENVILLE AVE., SUITE 1200  
DALLAS, TX 75206-1486

DALEN RESOURCES OIL & GAS INC.  
6688 CENTRAL EXPRESSWAY, #1000  
DALLAS, TX 75206

DAVIS BROTHERS  
ATTN: SKIP HONEYMAN  
320 S. BOSTON, SUITE 1000  
TULSA, OK 74103-3703

DAVIS RESOURCES  
ATTN: SKIP HONEYMAN  
320 S. BOSTON, SUITE 1000  
TULSA, OK 74103-3703

EDWARDS AND DAVIS ENERGY  
320 S. BOSTON, SUITE 1000  
TULSA, OK 74103-3703

WILLIAM H. SCHROEDER, JR.  
5611 TATTERIDGE DR.  
HOUSTON, TX 77069

JACK WARREN  
ONE POST OAK CIRCLE  
HOUSTON, TX 77024-7001

EQUITABLE RESOURCES ENERGY  
COMPANY, BALCRON OIL DIVISION  
1601 LEWIS AVE.  
BILLINGS, MT 59104

CITATION 1994 INVESTMENT, LLC.  
c/o CITATION OIL & GAS CORP.  
8223 WILLOW PL. S., SUITE 250  
HOUSTON, TX 77070

KEY PRODUCTION COMPANY  
1700 LINCOLN ST., SUITE 2050  
DENVER, CO 80203

DARRELL HADDEN  
BOX 293  
DUCHESNE, UT 84201

LEE R. MARTIN  
P.O. BOX 925  
CHEYENNE WELLS, CO 80810

CHORNEY OIL COMPANY  
12860 W. CEDAR DR., SUITE 112  
LAKEWOOD, CO 80228-1965

ESTATE OF RAYMOND CHORNEY  
12860 W. CEDAR DR., SUITE 112  
LAKEWOOD, CO 80228-1965

TURNKEY PIPELINE COMPANY  
2700 POST OAK BLVD., SUITE 1625  
HOUSTON, TX 77056

ANTON E. MEDUNA  
1287 COUNTRY PL. CIR.  
HOUSTON, TX 77079

ARDEN ANDERSON  
600 S. PALA FOX ST.  
PENSACOLA, FL. 32501

UNITED STATES OF AMERICA  
BUREAU OF LAND MANAGEMENT  
UTAH STATE OFFICE  
324 S. STATE ST., SUITE 301  
SALT LAKE CITY, UT 84111-2303

STATE OF UTAH  
c/o SCHOOL AND INSTITUTIONAL  
TRUST LANDS ADMINISTRATION  
355 W. NORTH TEMPLE  
3 TRIAD CENTER, SUITE 400  
SALT LAKE CITY, UT 84180-1204

ERNST S. PIZZANO, JR.  
3601 N. BICENTENNIAL #3  
McALLEN, TX 78501

MESA PETROLEUM COMPANY  
P.O. BOX 2009  
AMARILLO, TX 78189-2009

KAISER-FRANCIS OIL CO.  
P.O. BOX 21468  
TULSA, OK 74121-1468

JOHN D. LOMAX  
791 NYES PL.  
LAGUNA BEACH, CA 92651

UTAH RESOURCES INTERNATIONAL  
1604 WALKER CENTER  
SALT LAKE CITY, UT 84111

THOMAS H. BATTLE  
7802 BIRCHBARK  
HUMBLE, TX 77338-1838

ALLCO EXPLORATION COMPANY  
P.O. BOX 60693  
HOUSTON, TX 77205

LINDA C. DUMAS  
2810 VALLEY WAY DR.  
KINGWOOD, TX 77339

BILL I. PENNINGTON  
4477 CHRISTENSEN CIRCLE  
LITTLETON, CO 80123

DOROTHY M. LOMAX TRUST  
c/o JOHN LOMAX TRUSTEE  
791 NYES PL.  
LAGUNA BEACH, CA 92651

GEORGE LINDAHL  
1900 CANTERBURY DR.  
FORT WORTH, TX 76107

ANTON MEDUNA  
1287 COUNTRY PL. CIR.  
HOUSTON, TX 77079

LOMAX MONUMENT BUTTE  
WATERFLOOD, LTD.  
475 17TH ST., SUITE 1500  
DENVER, CO 80202

JERRY D. ROBISON  
ROUTE 4, BOX 560  
ATLANTA, TX 75551

MICHAEL DUBUISSON  
38 CLOUDS LEAP PLACE  
THE WOODLANDS, TX 77381

GARY WOMACK  
3743 WILLIAM DEHAES DR. #706  
IRVING, TX 75038-4957

WAYNE ROBISON  
ROUTE 4, BOX 560  
ATLANTA, TX 75551

A. W. ROBISON  
ROUTE 4, BOX 560  
ATLANTA, TX 75551

CATHERINE S. LOMAX  
791 NYES PL.  
LAGUNA BEACH, CA 92661

JOHN D. MURLE  
10 MEADOW LANE  
LITTLETON, CO 80121

OWEN L. RICHARD  
P.O. BOX 8438  
DENVER, CO 80201

JOINT ENERGY DEVELOPMENT  
INVESTMENTS  
1400 SMITH ST.  
HOUSTON, TX 77002

EVELYN F. HARRIS  
7564 S. LAKESHORE DR.  
SHREVEPORT, LA 71119

DAVID H. LITTLE, ESQ., TRUSTEE  
for the benefit of JOINT ENERGY  
DEVELOPMENT INVESTMENTS  
1400 SMITH ST.  
HOUSTON, TX 77002

ZIEGLER CHEMICAL & MINERAL  
CORP.  
100 JERICHO QUADRANGLE #140  
JERICHO, NY 11753

DAVIS BROS., LLC.  
DAVIS AFFILIATES, L.P.  
DAVIS ENERGY SOUTHWEST, L.P.  
320 S. BOSTON, SUITE 1000  
TULSA, OK 74103-3703

JOHN M. FALBO, TRUSTEE  
for the benefit of CREDIT LYONNAIS  
NEW YORK BRANCH, a agent for the  
secured creditors  
1301 AVE. OF THE AMERICAS  
NEW YORK, NY 10023

DAVID H. LITTLE, Esq., TRUSTEE  
for the benefit of JOINT ENERGY  
DEVELOPMENT INVESTMENTS, LLC  
c/o HOLME, ROBERTS, & OWEN  
111 EAST BROADWAY, SUITE 1100  
SALT LAKE CITY, UT 84111

GARY R. CHRISTOPHER, TRUSTEE  
BANK OF OKLAHOMA, N.A.  
P.O. BOX 2300  
TULSA, OK 74192

EXHIBIT "D"

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

IN THE MATTER OF THE REQUEST )  
FOR AGENCY ACTION OF INLAND )  
PRODUCTION COMPANY FOR )  
APPROVAL OF SECONDARY )  
RECOVERY OPERATIONS IN THE )  
GREEN RIVER FORMATION, IN )  
SECTIONS 24, 25, AND 26, )  
TOWNSHIP 8 SOUTH, RANGE 16 )  
EAST, S.L.M., DUCHESNE COUNTY, )  
UTAH, AND FOR AUTHORITY FOR )  
UNDERGROUND INJECTION OF )  
WATER )

AFFIDAVIT OF  
THOMAS W. CLAWSON

Docket No. \_\_\_\_\_  
Cause No. \_\_\_\_\_

STATE OF UTAH )  
 : ss.  
COUNTY OF SALT LAKE )

THOMAS W. CLAWSON, having been duly sworn, deposes and says that:

1. He is a resident of Salt Lake County and over the age of 21 years.
2. He is an attorney licensed to practice law before the Utah Supreme Court and all inferior courts of the State of Utah.

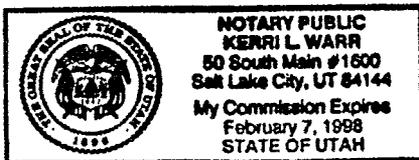
3. He is familiar with the statutes, rules, and regulations of the Board of Oil, Gas and Mining pertaining to injection of fluids into reservoirs for pressure maintenance and secondary recovery purposes.

4. He has caused the Request for Agency Action in this Cause and the Application for Approval of Class II Injection Well for the Monument Butte Federal #13-25 Well located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 25, Township 8 South, Range 16 East, S.L.M., Duchesne County, Utah, to be provided to all operators or owners and surface owners within a one-half mile radius of the proposed Monument Butte Northeast Project Area as required by Rules 641-104-135, 649-5-1(1), 649-5-1(2.9), and 649-5-2(2.12) of the Utah Administrative Code, by mailing copies thereof, properly addressed, with postage prepaid. The names and addresses of the owners so served are set forth in Exhibit "C" to the Request for Agency Action.

Dated this 11th day of December, 1995.

  
Thomas W. Clawson

SUBSCRIBED AND SWORN to before me this 11<sup>th</sup> day of December, 1995.



  
NOTARY PUBLIC

**REQUIREMENTS FOR CLASS II INJECTION WELL INCLUDING WATER  
DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V - RULE R649-5-2**

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

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

**Answer:** Reference Exhibit A-1.

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:** Reference log currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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

**Answer:** Reference log currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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

**Answer:** Radioactivity and cement bond logs currently on file with the Utah Division of Oil, Gas & Mining and the Bureau of Land Management.

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:** Reference Exhibit B-1 and B-2  
A casing integrity test will be conducted upon conversion;  
Pressure test backside to 500 psi; 0 psi bleedoff after 30 minute period.

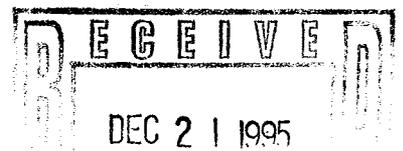
6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily;*

**Answer:** Culinary water from Johnson Water District supply line.  
Estimated Injection Rate: 200-300 BWIPD  
Maximum Injection Rate: 1000 BWIPD

7. *Standard laboratory analysis of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids;*

**Answer:** Item (1) Johnson Water Supply (Exhibit C1); Item (2 & 3) No formation water produced in this area due to very low initial water saturation's. (No Sample Available)

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



**Answer:** Average Injection Pressure will be determined upon conversion by a Step Rate Test  
Maximum Injection Pressure: 2000 psig-surface.

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

**Answer:** The frac gradients for the Monument Butte field averages to be 0.84 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate will be performed periodically to insure we are below parting pressure.

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

**Answer:** The injection zone is "D" sandstone reservoir found within the Douglas Creek Member of the Green River Formation. The Douglas Creek Member is composed of porous and permeable lenticular calcareous sandstones and low porosity carbonates and calcareous shales.

\*\*\*INJECTION ZONES\*\*\*

	<u>TOP</u>	<u>THICKNESS</u>
#13-25 "D" SAND	4,999'	19'

The porous and permeable lenticular sandstones vary in thickness from 0' to 34' and are restricted to the Monument Butte field area by low porosity calcareous shales and carbonates.

The confining stratum directly above and below the injection zone is the Douglas Creek member of the Green River Formation. That strata confining the zone is composed of tight, moderately calcareous sandy lacustrine shales. 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 of the Monument Butte Northeast Project are being filed with the Division of Oil, Gas, and Mining along with the original copy of the application, and may be inspected at the office of the Division of Oil, Gas, and Mining.  
(Reference Exhibits A-2, and A-3)

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

**Answer:** Exhibits B-1 through B-9

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

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

**Answer:** Reference Exhibit D; Inland Production Company Request for Agency Action being filed along with this application.

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>5/24/96</u>	Well Owner/Operator: <u>INLAND PRODUCTION Co.</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>WIW</u>	Other: _____
API No.: <u>43-013-31513</u>	Well Name/Number: <u>MON BUTTE FED # 13-25</u>	
Section: <u>25</u>	Township: <u>8S</u>	Range: <u>16E</u>

**Initial Conditions:**

Tubing - Rate: \_\_\_\_\_ Pressure: 250 psi  
 Casing/Tubing Annulus - Pressure: 800 psi

**Conditions During Test:**

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1000</u>	<u>250</u>
5	<u>1000</u>	<u>250</u>
10	<u>1000</u>	<u>250</u>
15	<u>1000</u>	<u>250</u>
20	<u>1000</u>	<u>250</u>
25	<u>1000</u>	<u>250</u>
30	<u>1000</u>	<u>250</u>

Results: Pass/Fail

**Conditions After Test:**

Tubing Pressure: 250 / ~~1000~~ psi  
 Casing/Tubing Annulus Pressure: 1000 psi

**REMARKS:** PRESSURE CASING @ 11:00AM TO 1000PSI... WAS 800PSI.  
RECORDED TEST ON BARTON RECORDER No. MCMP-2500

[Signature]  
 Operator Representative

[Signature]  
 DOGM Witness

**EQUIPMENT INVENTORY  
UTAH DIVISION OF OIL, GAS AND MINING  
STATE OF UTAH**

Operator: INLAND PRODUCTION Lease: State:      Federal: Y Indian:      Fee:     

Well Name: MONUMENT BUTTE FEDERAL #13-25 API Number: 43-013-31513

Section: 25 Township: 8S Range: 16E County: DUCHESNE Field: UNDESIGNATED

Well Status: POW Well Type: Oil: YES Gas:     

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

Boiler(s):      Compressor(s):      Separator(s):      Dehydrator(s):     

Shed(s):      Line Heater(s):      Heated Separator(s):      VRU:     

Heater Treater(s): (1)

**PUMPS:**

Triplex:      Chemical:      Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: YES Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter:      Sales Meter: (1)

**TANKS:**

	NUMBER	SIZE	
Oil Storage Tank(s):	<u>YES</u>	<u>2-400 OIL</u>	BBLs
Water Tank(s):	<u>YES</u>	<u>1-200 WATER</u>	BBLs
Power Water Tank:	<u>NO</u>	<u>    </u>	BBLs
Condensate Tank(s):	<u>NO</u>	<u>    </u>	BBLs
Propane Tank:	<u>NO</u>		

**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: CENTRIFUGAL PUMP IS FOR HEAT TRACE. GLYCOL HEATED BY TREATER. GAS  
IS SOLD AND METERED HERE. EQUIPMENT IS RUNNING ON RESIDUE GAS.

Inspector: DENNIS L. INGRAM Date: 12/14/95

Inland Production  
MON BUTTE FED # 13-25  
SEC 25 ; T8S ; R16E

43-013-31513

POW

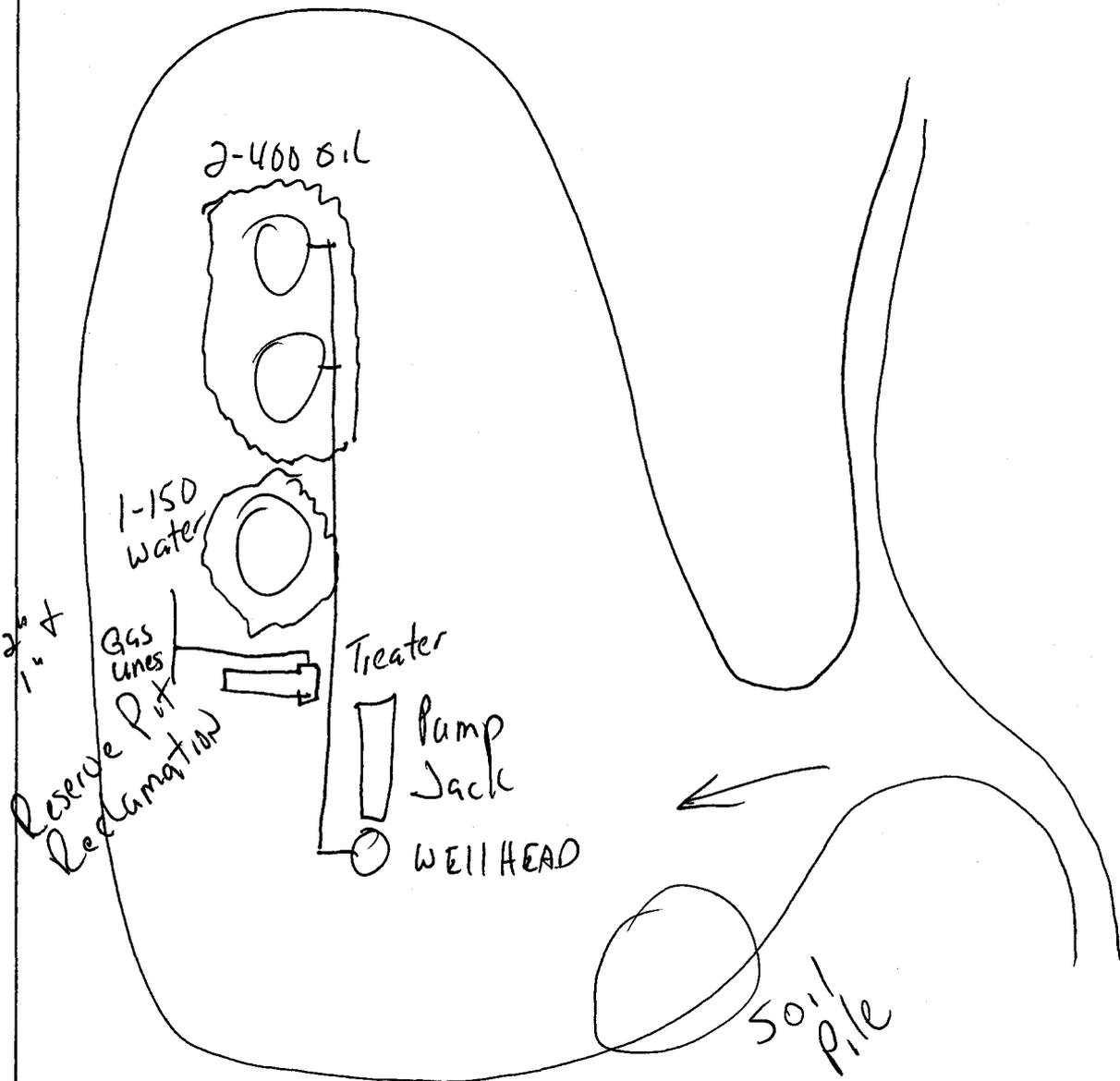
12/14/95

D. J. King

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



↑  
EAST



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>U-67170</b>
2. Name of Operator <b>Inland Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SW/SW 660' FSL &amp; 660' FWL Sec. 25, T8S, R16E</b>	8. Well Name and No. <b>Monument Butte Fed #13-25</b>
	9. API Well No. <b>43-013-31513</b>
	10. Field and Pool, or Exploratory Area <b>Monument Butte</b>
	11. County or Parish, State <b>Duchesne County, Utah</b>

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

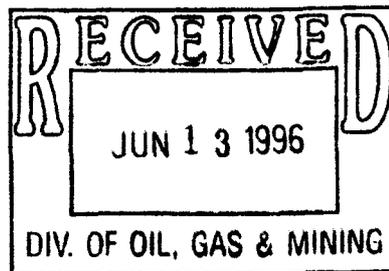
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

Inland Production Company requests approval to convert the Monument Butte Federal #13-25 from a producing well to an injection well.

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



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

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 5/1/96

(This space for Federal or State office use)

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

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



RESOURCES INC.

June 12, 1996

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

**ATTENTION: Wayne Bankert**

Re: Monument Butte Federal #13-25  
SW/SW Sec. 25, T8S, R16E

Monument Butte Federal #15-25  
SW/SE Sec. 25, T8S, R16E

Monument Butte Federal #1A-35  
NE/NE Sec. 35, T8S, R16E

Boundary Federal #11-21  
NE/SW Sec. 21, T8S, R17E

Dear Wayne,

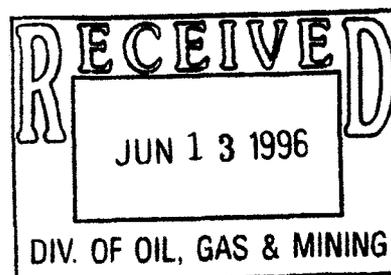
Enclosed are the original and two copies (each) of the Casing and Integrity Test results and a copy of the charts, on the above referenced wells. Copies will also be submitted to the State of Utah

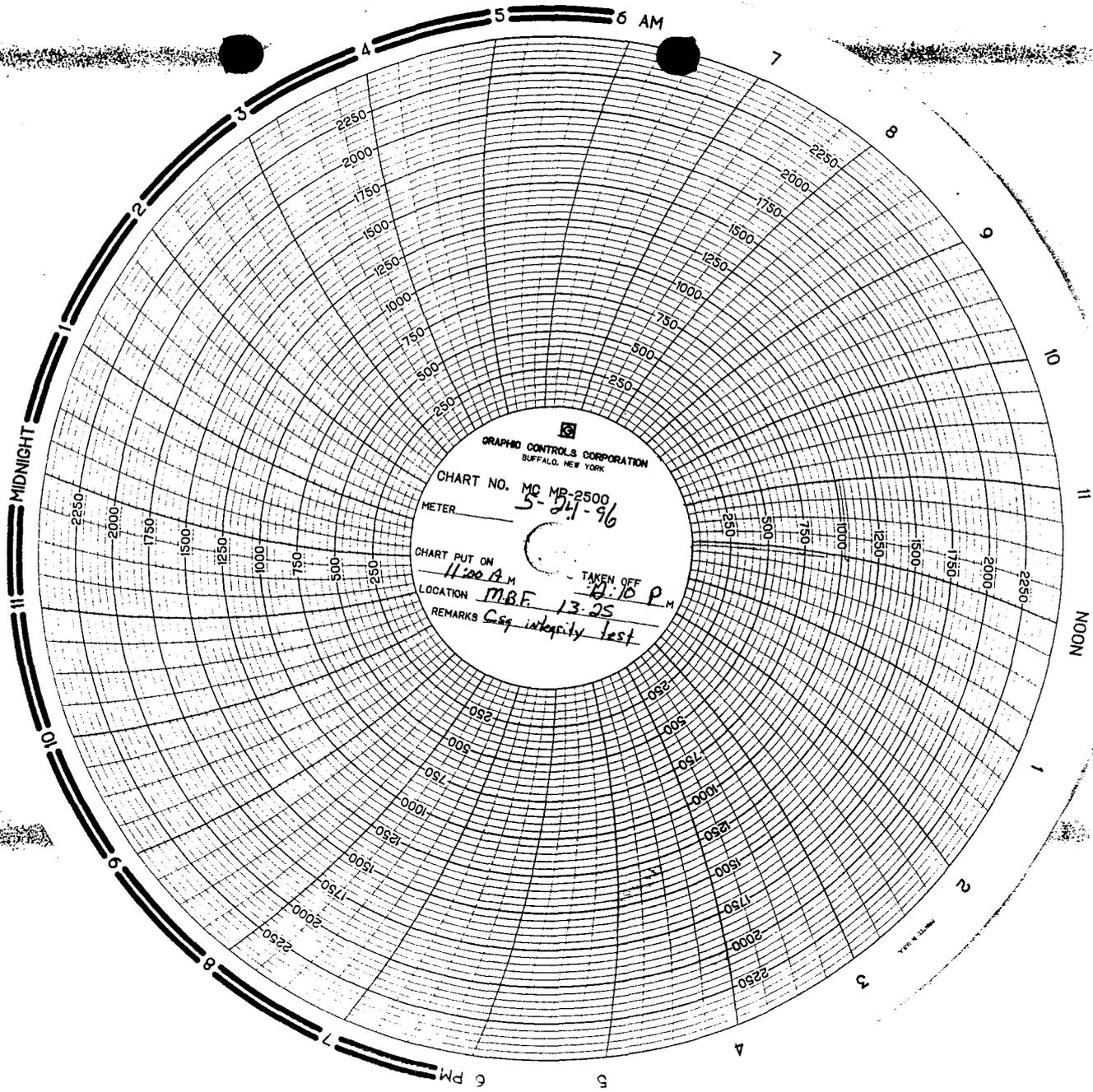
If additional information is needed, please contact Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,  
  
Cori Brown  
Secretary

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

/cb  
Enclosures





**INLAND PRODUCTION COMPANY**

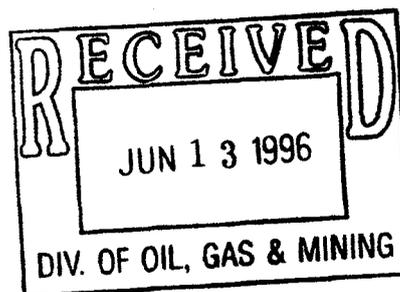
**MONUMENT BUTTE FEDERAL #13-25  
SW/SW SEC. 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**CASING & INTEGRITY TEST**

<b>0 MIN</b>	<b>1000 PSIG</b>
<b>10 MIN</b>	<b>1000 PSIG</b>
<b>20 MIN</b>	<b>1000 PSIG</b>
<b>30 MIN</b>	<b>1000 PSIG</b>
<b>40 MIN</b>	<b>1000 PSIG</b>
<b>50 MIN</b>	<b>1000 PSIG</b>
<b>60 MIN</b>	<b>1000 PSIG</b>

**TUBING PRESSURE 250 PSI**

**TEST CONDUCTED BY JODY LIDDELL/INLAND PRODUCTION COMPANY**



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>5/24/96</u>	Well Owner/Operator: <u>INLAND PRODUCTION Co.</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>WIW</u>	Other: _____
API No.: <u>43-013-31513</u>	Well Name/Number: <u>MON BUTTE FED # 13-25</u>	
Section: <u>25</u>	Township: <u>8S</u>	Range: <u>16E</u>

**Initial Conditions:**

Tubing - Rate: \_\_\_\_\_ Pressure: 250 psi  
 Casing/Tubing Annulus - Pressure: 800 psi

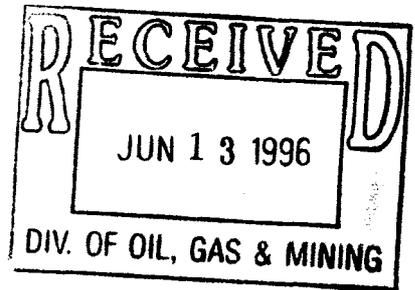
**Conditions During Test:**

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1000</u>	<u>250</u>
5	<u>1000</u>	<u>250</u>
10	<u>1000</u>	<u>250</u>
15	<u>1000</u>	<u>250</u>
20	<u>1000</u>	<u>250</u>
25	<u>1000</u>	<u>250</u>
30	<u>1000</u>	<u>250</u>

Results: Pass/Fail

**Conditions After Test:**

Tubing Pressure: 250 psi  
 Casing/Tubing Annulus Pressure: 1000 psi



**REMARKS:** PRESSURE CASING @ 11:05AM TO 1000PSI... WAS 800PSI.  
RECORDED TEST ON BARTON RECORDER No. MCM P-2500

[Signature]  
 Operator Representative

[Signature]  
 DOGM Witness

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR  
Inland Production Company

3. ADDRESS OF OPERATOR  
P.O. Box 790233 Vernal, UT 84079 (434) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface SW/SW  
At top prod. interval reported below 660' FSL & 660' FWL  
At total depth \_\_\_\_\_

14. PERMIT NO. 43-013-31513 DATE ISSUED 3/27/95

5. LEASE DESIGNATION AND SERIAL NO.  
U-67170

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
Monument Butte Federal

9. WELL NO.  
#13-25

10. FIELD AND POOL, OR WILDCAT  
Monument Butte

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA  
Sec. 25, T8S R16E

12. COUNTY OR PARISH  
Duchesne 13. STATE  
UT

15. DATE SPUDDED 6/26/95 16. DATE T.D. REACHED 7/30/95 17. DATE COMPL. (Ready to prod.) 8/22/95 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5410' GR 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 6150' 21. PLUG, BACK T.D., MD & TVD 6084' 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS X CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River - 4999' - 5018' 25. WAS DIRECTIONAL SURVEY MADE  
N/A

26. TYPE ELECTRIC AND OTHER LOGS RUN  
N/A 27. WAS WELL CORED  
N/A

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

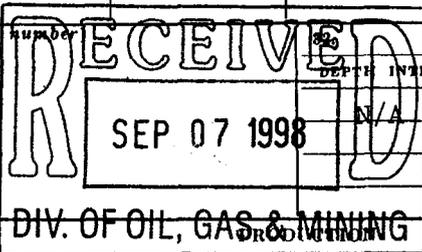
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<u>2 7/8</u>		<u>4958'</u>

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>B2 4999' - 5018'</u>	<u>N/A</u>



33.\* DATE FIRST PRODUCTION ON INJECTION 5/24/96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut in)  
INJECTING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>N/A</u>				<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Casing & Integrity Test

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Cheryl Cameron TITLE Regulatory Specialist DATE 9/2/98

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
X Marker	4813'					
Y Marker	4846'					
Douglas Creek	4970'					
D-1	4999'					
C - sd	5150'					
B-Lime	5369'					
Castle Peak	5842'					

**INLAND PRODUCTION COMPANY**

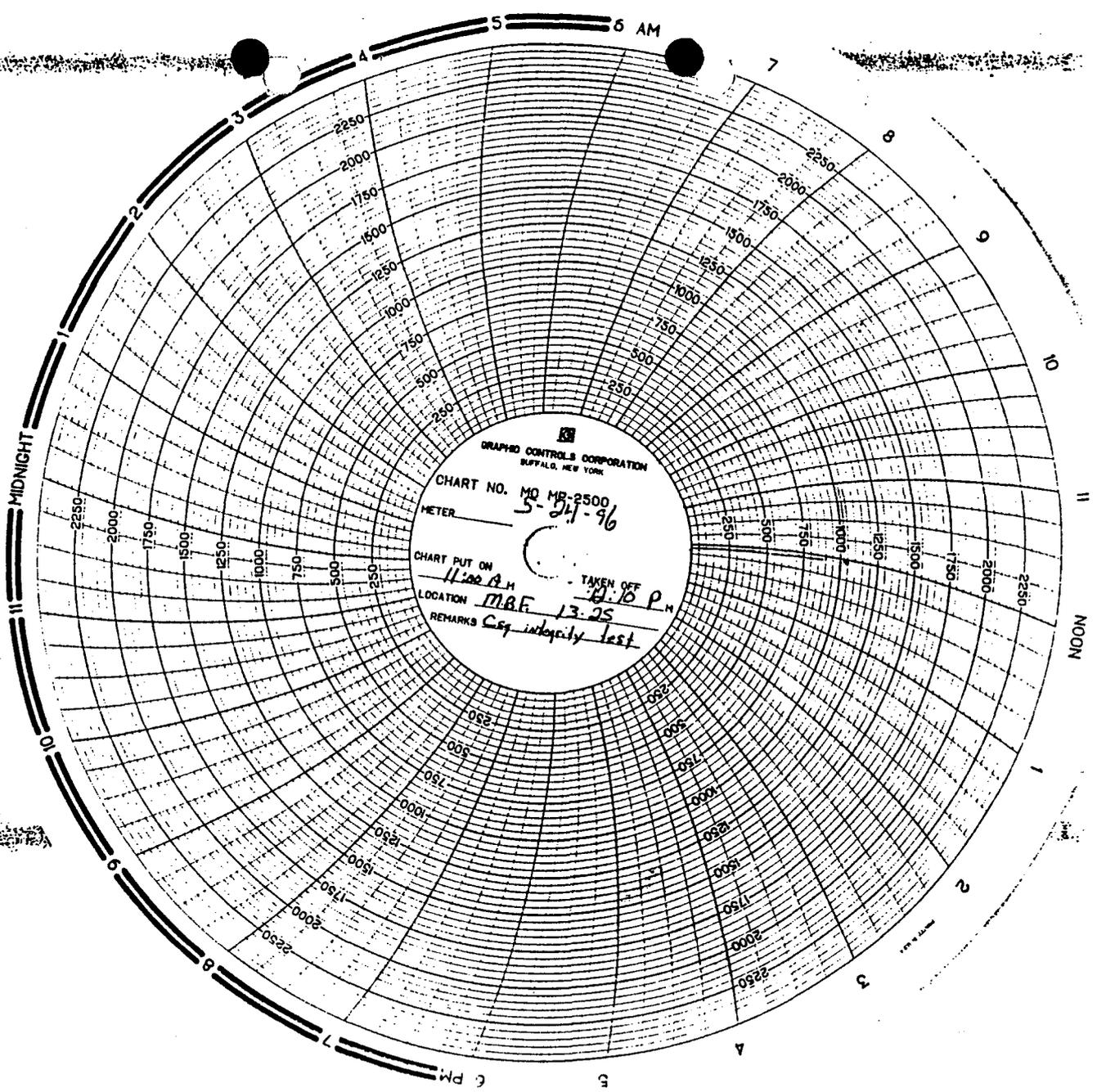
**MONUMENT BUTTE FEDERAL #13-25  
SW/SW SEC. 25, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**CASING & INTEGRITY TEST**

<b>0 MIN</b>	<b>1000 PSIG</b>
<b>10 MIN</b>	<b>1000 PSIG</b>
<b>20 MIN</b>	<b>1000 PSIG</b>
<b>30 MIN</b>	<b>1000 PSIG</b>
<b>40 MIN</b>	<b>1000 PSIG</b>
<b>50 MIN</b>	<b>1000 PSIG</b>
<b>60 MIN</b>	<b>1000 PSIG</b>

**TUBING PRESSURE 250 PSI**

**TEST CONDUCTED BY JODY LIDDELL/INLAND PRODUCTION COMPANY**



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MO MB-2500  
METER 5-24-96

CHART PUT ON 11:00 A.M.

TAKEN OFF 1:10 P.M.

LOCATION MBE 13-25

REMARKS Cap. integrity test

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>5/24/96</u>	Well Owner/Operator: <u>INLAND PRODUCTION Co.</u>	
Disposal Well: _____	Enhanced Recovery Well: <u>WIW</u>	Other: _____
API No.: <u>43-013-31513</u>	Well Name/Number: <u>MON BUTTE FED # 13-25</u>	
Section: <u>25</u>	Township: <u>8S</u>	Range: <u>16E</u>

**Initial Conditions:**

Tubing - Rate: \_\_\_\_\_ Pressure: 250 psi  
 Casing/Tubing Annulus - Pressure: 800 psi

**Conditions During Test:**

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>250</u>
5	<u>1000</u>	<u>250</u>
10	<u>1000</u>	<u>250</u>
15	<u>1000</u>	<u>250</u>
20	<u>1000</u>	<u>250</u>
25	<u>1000</u>	<u>250</u>
30	<u>1000</u>	<u>250</u>

Results: Pass/Fail

**Conditions After Test:**

Tubing Pressure: 250 / ~~1000~~ psi  
 Casing/Tubing Annulus Pressure: 1000 psi

REMARKS: PRESSURE CASING @ 11:00AM TO 1000 PSI... WAS 800 PSI.  
RECORDED TEST ON BARTON RECORDER No. MCM P-2500

[Signature]  
 Operator Representative

[Signature]  
 DOGM Witness

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-67170</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME <b>NA</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MONUMENT BUTTE FEDERAL 13-25-8-16</b>	
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		9. WELL NO. <b>MONUMENT BUTTE FEDERAL 13-25-8-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SW Section 25, T08S R16E 660 FSL 660 FWL</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SW Section 25, T08S R16E</b>	
14. API NUMBER <b>43-013-31513</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5410 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <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"/>	(OTHER) <input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>	
(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.)\*

A 5 year MIT was conducted on the subject well. On 5/15/01 Mr. Dennis Ingram w/ State DOGM was contacted of the intent to conduct an MIT on the casing. On 5/18/01 the casing was pressured to 1000 psi and charted for 1/2 hour with no pressure loss. Mr. Dennis Ingram was there to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Krisla Russell TITLE Production Clerk DATE 6/5/01  
Krisla Russell

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

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

CONDITIONS OF APPROVAL, IF ANY:



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

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

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

**UNDERGROUND INJECTION CONTROL PERMIT**

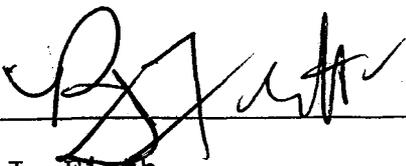
**Cause No. 213-3**

**Operator:** Inland Production Company  
**Well:** Monument Butte Federal 13-25  
**Location:** Section 25, Township 8 South, Range 16 East,  
Duchesne County  
**API No.:** 43-013-31513  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval to convert to injection issued by the Board of Oil, Gas and Mining on March 5, 1996, Cause No. 213-3
2. Maximum Allowable Injection Pressure: 2000 psig.
3. Maximum Allowable Injection Rate: (limited by maximum pressure).
4. Injection Interval: 4,999 feet to 5018 feet (Green River Formation)

Approved by:

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

4/10/96  
\_\_\_\_\_  
Date



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Inland Production Co.      **Well:** Injection Well 13-25

**Location:** Monument Butte NE, Duchesne County

**Ownership Issues:** The proposed well is located in section 25, township 8 south, range 16 east, Duchesne, County, Utah. The surface and minerals within a 1/2 mile of the well is owned by the federal government, and the State of Utah. Inland has provided an affidavit stating that all interested parties have been notified of their intent to convert the well to injection.

**Well Integrity:** The well proposed for injection is the Monument Butte Federal 13-25. the well has an 8 5/8" casing set at 300 feet and cemented to surface. A 5 1/2" production casing is set at 5860 feet and has a cement top at 570 feet. The cement top was verified by a cement bond log. The injection interval is from 4999 feet to 5018 feet in the D1 sand of the Green River Formation. A 2 7/8" tubing will be set in a packer at approximately 4950 feet. This construction should adequately protect all USDW's. There are 5 producing wells and 1 injection well in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the longstring and have adequate surface casing to prevent any migration of fluid up the hole. A casing test should be performed at the time of conversion and a casing/tubing pressure test should be performed prior to injection. A maximum pressure of 2000 psig was requested, and is based on fracture data from the field.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 1500 feet according to Tech. Pub. no. 92. However except for water zones in the first 300 feet there are no other aquifers in the area. Any shallow fresh water zones will be adequately protected by the proposed construction of the injection well and the existing constructions of surrounding wells. No corrective action is needed.

**Oil/Gas & Other Mineral Resources Protection:** Testimony and information regarding the formation of the Monument Butte North East waterflood project will be heard before the Board on January 24, 1996. Injection into this well should have no adverse affects on any offsetting production outside the project area.

**Bonding:** All the wells in the section are operated by Inland and are covered by a Federal state wide bond.

**Actions Taken and Further Approvals Needed:** A public notice for the waterflood project and the injection well was published in both the Salt Lake Tribune and the Uinta Basin Standard. Board approval can be granted for the injection well upon receiving testimony at the hearing. A step rate test will be required if fracture information from wells in the field is not made available. A casing pressure test and a casing/tubing pressure test shall be run upon completion of the well.

DJJ  
Reviewers

1-19-96  
Date

**INJECTION WELL - PRESSURE TEST**

Well Name: MBF # 13-25-8-16 API Number: 43-013-31513  
 Qtr/Qtr: SW/SW Section: 25 Township: 8S Range: 16E  
 Company Name: INLAND PRODUCTION COMPANY  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal U-67170 Indian \_\_\_\_\_  
 Inspector: Amnis Ingram Date: 05/18/01

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 1590 psi  
 Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>1590</u>
5	<u>1000</u>	<u>1590</u>
10	<u>1000</u>	<u>1590</u>
15	<u>1000</u>	<u>1590</u>
20	<u>1000</u>	<u>1590</u>
25	<u>1000</u>	<u>1590</u>
30	<u>1000</u>	<u>1590</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1590 psi  
 Casing/Tubing Annulus Pressure: 1000 psi

COMMENTS: (TESTED FOR 5 year Rule) Injecting while testing @ 34.6 BPP Rate

Bret Hancie  
 Operator Representative

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
AMMENDED STATEMENT OF BASIS**

**Applicant: Inland Production Company**

<u>Well</u>	<u>API Number</u>	<u>Location</u>	<u>Unit</u>
Mon. Butte Fed. 3-25	43-013-31605	25-8S-16E	Mon. Butte NE
Mon. Butte Fed. 13-25	43-013-31513	25-8S-16E	Mon. Butte NE
State 14-32	43-013-31039	32-8S-16E	Wells Draw
Federal 44-33B	43-013-31240	33-8S-16E	Wells Draw
Mon. Butte 5-34	43-013-31499	34-8S-16E	Travis
Mon. Federal 9-34	43-013-31407	34-8S-16E	Monument Butte
Federal 23-34B	43-013-31241	34-8S-16E	Wells Draw
Mon. Federal 15-35	43-013-31264	35-8S-16E	Monument Butte
Mon. Federal 1A-35	43-013-31514	35-8S-16E	Monument Butte
MB 3-35-8-16	43-013-30608	35-8S-16E	Monument Butte
Federal 5-35	43-013-30686	35-8S-16E	Monument Butte
MB 13-35-8-16	43-013-30745	35-8S-16E	Monument Butte
MB 1-36-8-16	43-013-30592	36-8S-16E	Monument Butte
MB 13-36-8-16	43-013-30623	36-8S-16E	Monument Butte
State 5-36	43-013-30624	36-8S-16E	Monument Butte
Mon. Federal 12-25	43-047-32526	25-8S-17E	Humpback
Gilsonite St. 13-32	43-013-31403	32-8S-17E	Gilsonite
Odekirk 7-36-8-17	43-047-33078	36-8S-17E	Odekirk Spring
Mon. Federal 42-1J	43-013-31404	01-9S-16E	Jonah
Federal 41-5G	43-013-31205	05-9S-16E	Wells Draw
Castle Peak Fed. 43-5	43-013-30858	05-9S-16E	Wells Draw
Allen Fed. 1-5A	43-013-15780	05-9S-17E	Jonah
Mon. Fed. 24-6	43-013-31363	06-9S-17E	Jonah
Allen Fed. 1-6	43-013-15779	06-9S-17E	Jonah
Mon. Fed. 33-8	43-013-31427	08-9S-17E	Beluga

The wells listed above are all currently permitted Class II injection wells in the Monument Butte Secondary Recovery area. The wells are located in various secondary recovery units as shown above. Inland has requested approval to open additional perforations in these injection wells. Some of the requested perforations are above existing perforations, some are in the existing perforated interval and some are below the existing perforations. All requested perforations are within the Green River Formation which is the unitized interval for all of the Monument Butte area secondary recovery units. Cement Bond Logs were checked on all wells requesting additional perforations above the original permitted perforations. All wells have adequate

cement above the requested intervals. These requests by Inland are being treated as minor permit modifications and approval is recommended.

Reviewer(s): Brad Hill

Date 03/20/2003



# 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

<b>UTSL-</b>	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
<b>UTU-</b>	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 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

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

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

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SEP 20 2004



5a. (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

INJECTION WELL - PRESSURE TEST

Well Name: <u>MBF 13-25-8-16</u>	API Number: <u>43-013-31513</u>
Qtr/Qtr: <u>SW/SW</u> Section: <u>25</u>	Township: <u>8S</u> Range: <u>16E</u>
Company Name: <u>Newfield Production</u>	
Lease: State _____ Fee _____	Federal <u>U-67170</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>8-17-05</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 960 psi  
 Casing/Tubing Annulus - Pressure: 1340 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1340</u>	<u>960</u>
5	<u>1340</u>	<u>960</u>
10	<u>1340</u>	<u>960</u>
15	<u>1340</u>	<u>960</u>
20	<u>1340</u>	<u>960</u>
25	<u>1340</u>	<u>960</u>
30	<u>1340</u>	<u>960</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 960 psi  
 Casing/Tubing Annulus Pressure: 1340 psi

COMMENTS: Tested after New Perf @ 900 psi

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[Signature]  
 Operator Representative

RECEIVED  
 AUG 24 2005  
 DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: *[Signature]* Date 8/17/05 Time 9:00  am  pm

Test Conducted by: *Mike Hurlinger*

Others Present: \_\_\_\_\_

Well: monument Butte Fed. 13-25-8-16

Field: Monument Butte NE

Well Location: SW/SW Sec. 25 T8S, R16E

API No: 43-013-31513

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1340</u>	psig
5	<u>1340</u>	psig
10	<u>1340</u>	psig
15	<u>1340</u>	psig
20	<u>1340</u>	psig
25	<u>1340</u>	psig
30 min	<u>1340</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 400 psig

Result:  Pass  Fail

Signature of Witness: *[Signature]*

Signature of Person Conducting Test: *Michael Hurlinger*

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.

5. Lease Serial No.  
UTU67170

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
MON BUTTE NE

8. Well Name and No.  
MON BUTTE FED 13-25

9. API Well No.  
4301331513

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other   Injection well

2. Name of Operator  
Newfield Production Company

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

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
0660 FSL 0660 FWL  
SW/SW   Section 25 T8S R16E

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input 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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <u>MIT</u>

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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well was recompleted in the Green River Formation. Four new intervals were perforated. The B2 sds @ 5358-5364', BiC sds @ 5230-5232' and C sds @ 5170-5176' & 5150-5156'. All 4 JSPF for a total of 76 shots. On 8-15-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 8-17-05. On 8-17-05 the csg was pressured up to 1340 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 400 psig during the test. There was a State representative available (Dennis Ingram)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-31-05  
By: *[Signature]*

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature <i>[Signature]</i>	Date 08/24/2005

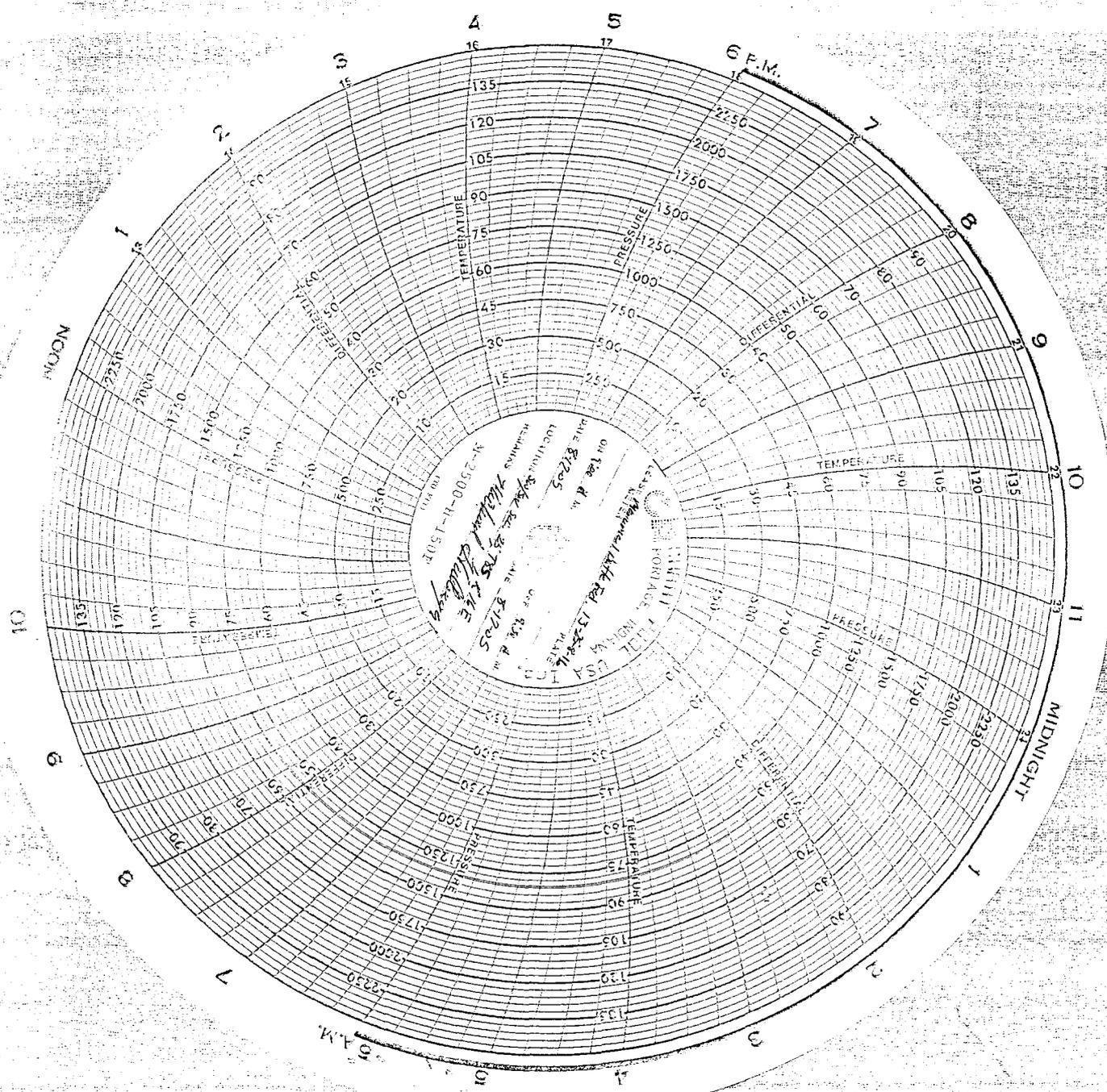
**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

(Instructions on reverse)

RECEIVED  
AUG  
SEP 25 2005



NEWFIELD PRODUCTION COMPANY  
 RT. 3 BOX 3630  
 MYTON, UT 84052

ENTITY ACTION FORM  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF OIL, GAS AND MINING

FORM 6

OPERATOR ACCT NO: N2695

ACTIN CODE	CRRNT ENTITY	NEW ENTITY	API NUMBER	WELL	QQ	SEC	TWN	RNG	REASON	EFFECTIVE
D	14648	15150	4301332359	FEDERAL 9-24-8-16	NENSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	99998	15150	4301331633	MONUMENT BUTTE FED NE 11-24	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12293	15150	4301331990	MBFNE 11-24-8-16	NESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	14611	15150	4301332366	FEDERAL 10-24-8-16	NWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	12244	15150	4301331923	MBFNE 12-24	NWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11907	15150	4301331629	MONUMENT BUTTE FED NE 16-24	SESE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11930	15150	4301331630	MONUMENT BUTTE FED 14-24	SESW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11912	15150	4301331628	MON BUTTE FED NE 15-24	SWSE	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11984	15150	4301331653	MON BUTTE FED NE 13-24	SWSW	24	8S	16E	Monument Butte North East EOR	1/1/2006
D	11884	15150	4301331608	MON BUTTE FED 1-25(I)	NENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11881	15150	4301331601	MONUMENT BUTTE FED 8-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11887	15150	4301331604	MONUMENT BUTTE FED 2-25	NWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11873	15150	4301331561	MON BUTTE FED 7-25	SWNE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11882	15150	4301331596	MONUMENT BUTTE FED 6-25	SENE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11922	15150	4301331605	MON BUTTE FED 3-25	NENW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11897	15150	4301331600	MON BUTTE FED 9-25	NESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11874	15150	4301331562	MONUMENT BUTTE FED 10-25	NWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11899	15150	4301331597	MONUMENT BUTTE FED 16-25	SESE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11847	15150	4301331559	MON BUTTE FED 15-25	SWSE	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11840	15150	4301331554	MONUMENT BUTTE FED 12-25	NWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11841	15150	4301331553	MON BUTTE FED 11-25	NESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11805	15150	4301331531	MONUMENT BUTTE FED 14-25	SESW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11786	15150	4301331513	MON BUTTE FED 13-25	SWSW	25	8S	16E	Monument Butte North East EOR	1/1/2006
D	11900	15150	4301331502	MON BUTTE FED 15-26	SWSE	26	8S	16E	Monument Butte North East EOR	1/1/2006
D	11814	15150	4301331517	MONUMENT BUTTE FED 16-26	SESE	26	8S	16E	Monument Butte North East EOR	1/1/2006

*new entity assigned 1/31/06  
 ER, DOGM*

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 JAN 25 2006

KIM KETTLE  
 PRODUCTION CLERK 1/25/2006



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 07/07/10 Time 10:00  am  pm

Test Conducted by: Dale Giles

Others Present: \_\_\_\_\_

Well: Monument Butte Fed. 13-25-8-16 Field: Monument Butte  
Well Location: SW/SW Sec. 25 T8S R16E API No: 43-013-31513

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1250</u>	psig
5	<u>1250</u>	psig
10	<u>1250</u>	psig
15	<u>1250</u>	psig
20	<u>1250</u>	psig
25	<u>1250</u>	psig
30 min	<u>1250</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1910 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Dale Giles

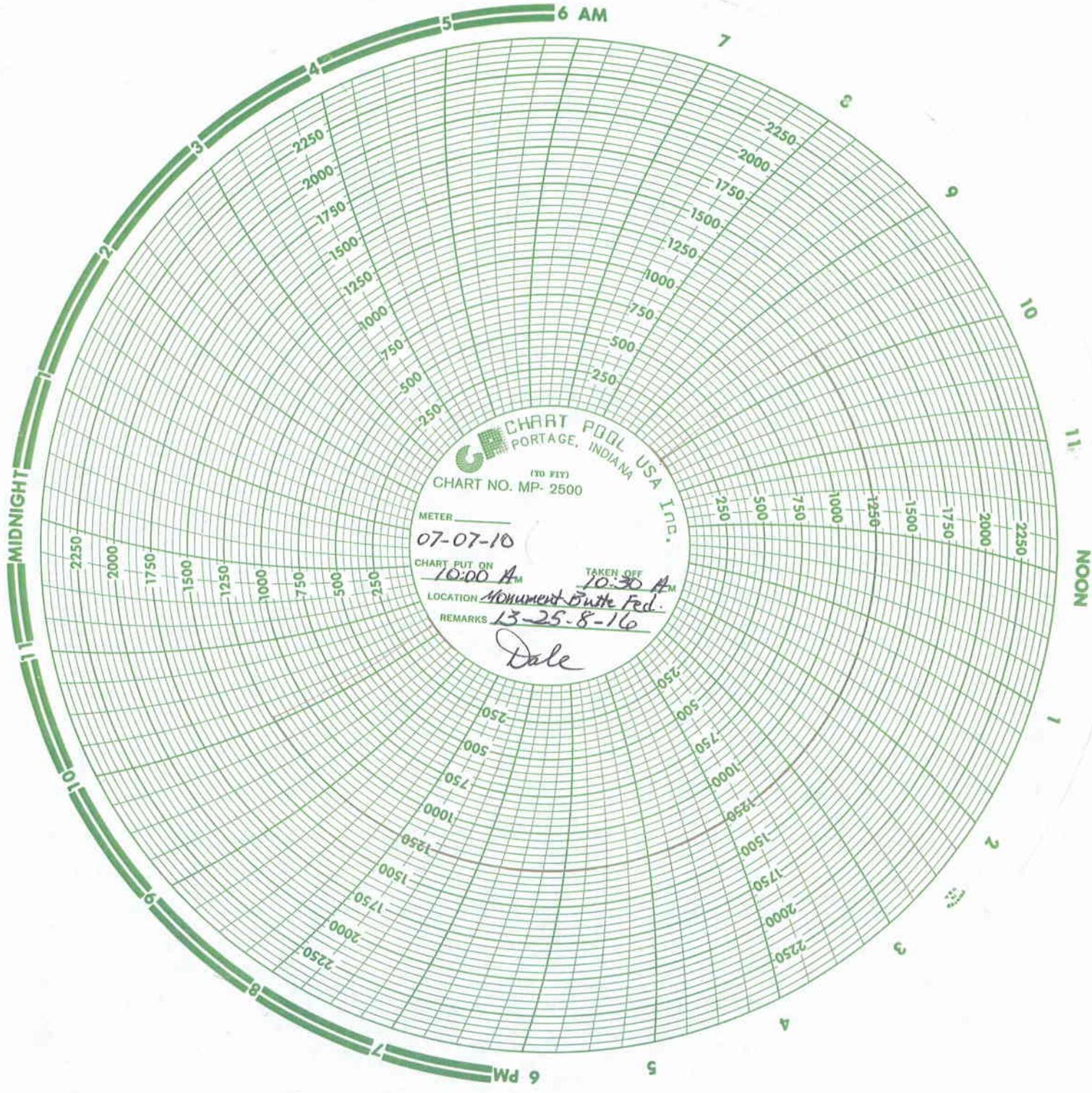


CHART POOL USA Inc.  
PORTAGE, INDIANA  
(70 FEET)  
CHART NO. MP- 2500

METER \_\_\_\_\_  
07-07-10  
CHART PUT ON 10:00 AM  
TAKEN OFF 10:30 AM  
LOCATION Monument Drive Fed.  
REMARKS 13-25-8-16  
Dale

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67170	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	<b>8. WELL NAME and NUMBER:</b> MON BUTTE FED 13-25
<b>1. TYPE OF WELL</b> Water Injection Well	<b>9. API NUMBER:</b> 43013315130000
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 25 Township: 08.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/4/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>

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

On 06/01/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 06/04/2015 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1885 psig during the test. There was a State representative available to witness the test - Richard Powell & Mark Reinold.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 June 10, 2015**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/8/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Richard Powell Date 6/4/15 Time 9:00  am  pm  
Test Conducted by: Chris Watters  
Others Present: Mark Reinbold

Well: <u>Man Butte Fed 13-25-8-16</u>	Field: <u>NFX</u>
Well Location: <u>GMBU SW/SW</u> <u>Duchesne, County, UT</u>	API No: <u>43-013-31513</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1260</u>	psig
5	<u>1260</u>	psig
10	<u>1261</u>	psig
15	<u>1261</u>	psig
20	<u>1260</u>	psig
25	<u>1261</u>	psig
30 min	<u>1260</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

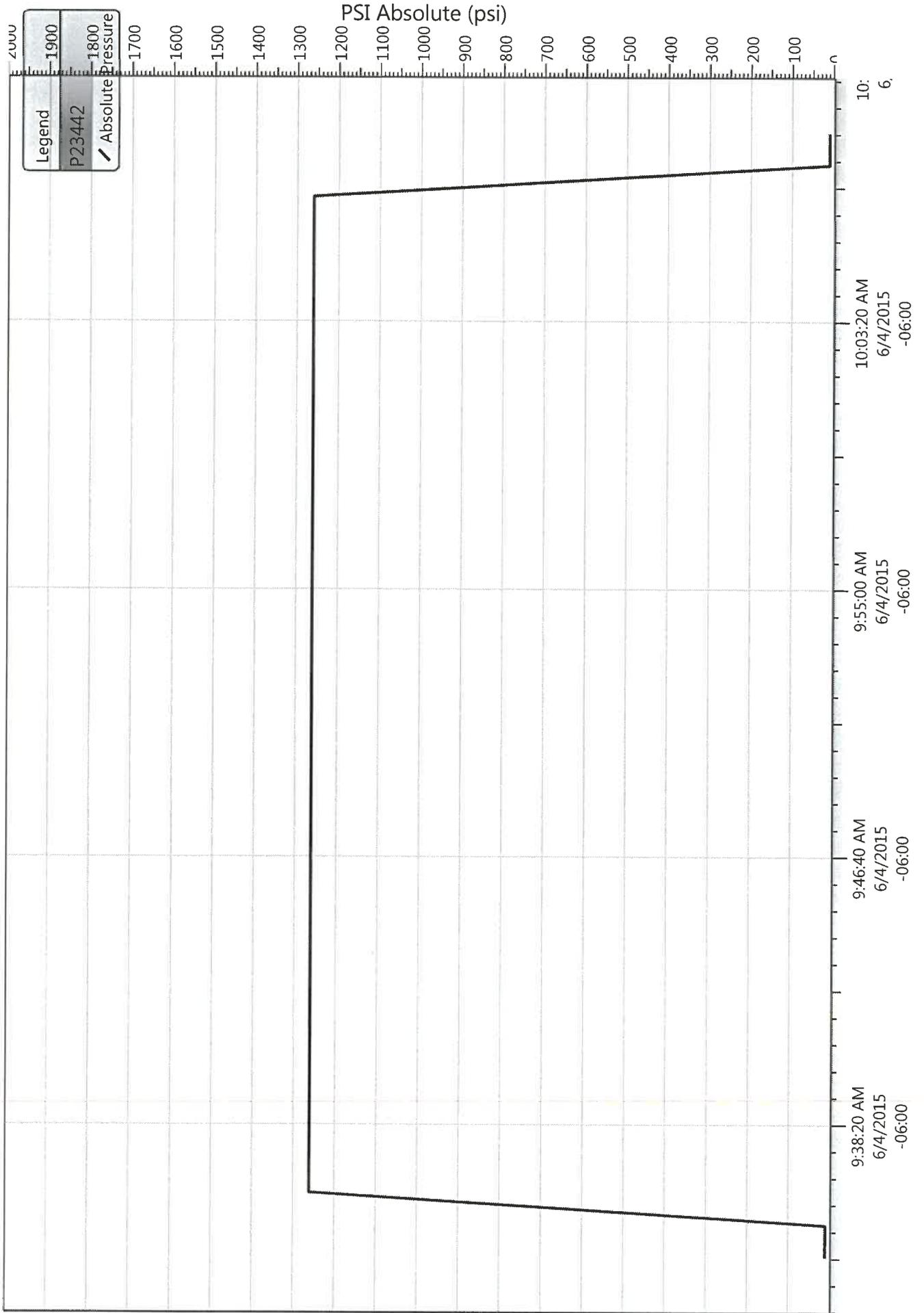
Tubing pressure: 1885 psig

Result:  Pass  Fail

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

Signature of Person Conducting Test: \_\_\_\_\_

13-25-8-16 5yr MIT (6-4-15)  
6/4/2015 9:33:50 AM



# Monument Butte Fed. 13-25-8-16

Spud Date: 6/26/95  
 Put on Production: 8/22/95  
 Put on Injection: 5/25/96  
 GL: 5410' KB 5424'

Initial Production: 75 BOPD,  
 100 MCFD, 4 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (295.83')  
 DEPTH LANDED: 294.12 KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Preulite cmt, est 6 bbls cut to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 6175'  
 DEPTH LANDED: 6150' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 320 sxs Hilit & 330 sxs Thixotropic  
 CEMENT TOP AT: 570' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 159 jts 4936.92'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4949.92 KB  
 PACKER: 4954.27 KB  
 TOTAL STRING LENGTH: FOI @ 4958-59'

**FRAC JOB**

8-17-95 4999'-5018' **Frac D1 sand as follows:**  
 8,000# 20/40 sand in 457 bbls Gel Screened out

8-18-95 4999'-5018' **Re-Frac D1 sand as follows:**  
 70,000# 20/40 sand + 32,000# 16/30 sand in 812 bbls Purged. Screened out w/ 86,900# sand in formation and 13,600# in casing. Avg treating press 2600 psi @ .36 BPM.

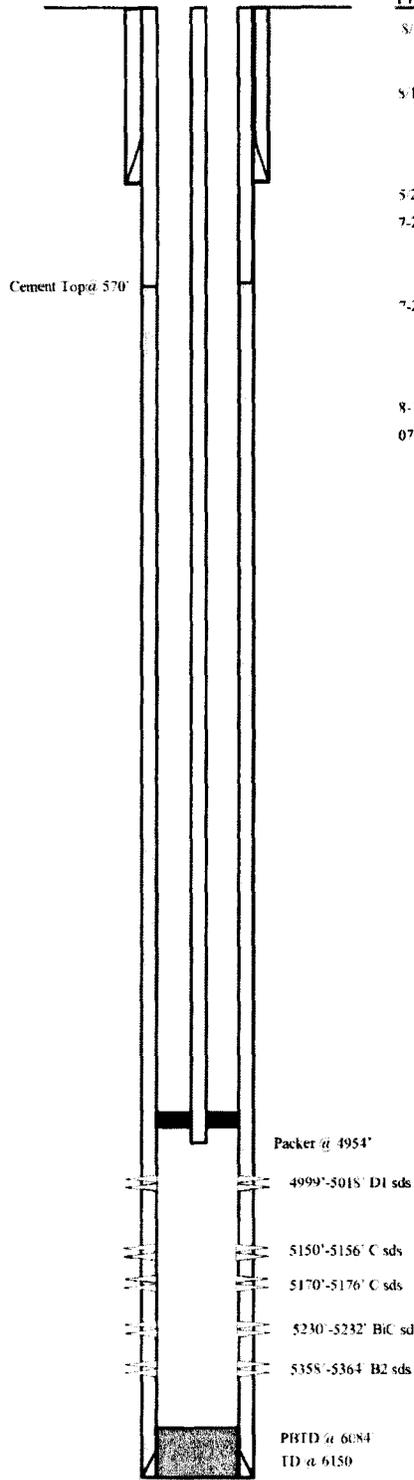
5-20-96 **Convert to injector.**

7-21-05 5358'-5364' **Re-completion frac B2 sand as follows:**  
 15093#s 20/40 sand in 152 bbls of Lightning 17 fluid. Treated @ ave pressure of 4583 psi @ ave rate of 14.1 BPM ISIP 5770 psi.

7-21-05 5150'-5232' **Re-completion frac B1C and C sand as follows:**  
 20,001#s of 20/40 sand in 205 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3209 psi @ ave rate of 14.1 BPM SIP 2100 psi.

8-17-05 **MIT complete**

07-07-10 **5 yr MIT**



**PERFORATION RECORD**

Date	Depth Range	Number of Sds	Holes
8-16-95	4999'-5018'	4 JSPF	76 holes
7-20-05	5150'-5156'	4 JSPF	24 holes
7-20-05	5170'-5176'	4 JSPF	24 holes
7-20-05	5230'-5232'	4 JSPF	4 holes
7-20-05	5358'-5364'	4 JSPF	24 holes

**NEWFIELD**

**Monument Butte Fed. 13-25-8-16**  
 660' FSL & 660' FWL  
 SWSW Section 25-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31513; Lease #U-67170