



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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-34346**

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

1a. TYPE OF WORK **DRILL**  **DEEPEN**   
 1b. TYPE OF WELL  
 OIL  GAS  SINGLE  MULTIPLE   
 WELL  WELL  OTHER  ZONE  ZONE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**MBFNE**

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

9. WELL NO.  
**#15-23**

3. ADDRESS OF OPERATOR  
**P.O. Box 790233 Vernal, UT 84079** Phone: **(801) 789-1866**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **SW/SE**  
 At proposed Prod. Zone **660' FSL & 1980' FEL**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 23, T8S, R16E**

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

12. County **Duchesne** 13. STATE **UT**

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

16. NO. OF ACRES IN LEASE  
**640**

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

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

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**1319'**

22. APPROX. DATE WORK WILL START\*  
**2nd quarter 1997**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	See Below
7 7/8"	5 1/2"	15.5#	TD	

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

**SURFACE PIPE - Premium Plus Cement, w/ 2% CaCl<sub>2</sub>, 1/4# Flocele/sk**  
 Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H<sub>2</sub>O Req: 6.4 Gal/sk  
**LONG STRING - Lead: Hibond 65 Modified**  
 Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H<sub>2</sub>O Req: 18.08 Gal/sk  
**Tail: Premium Plus Thixotropic**  
 Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 Gal/sk

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* TITLE District Manager DATE 1/17/97  
**Brad Mecham**

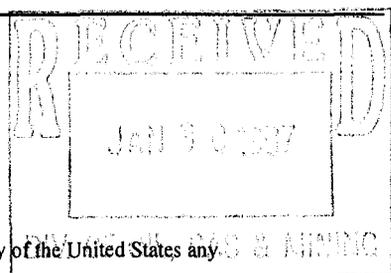
(This space for Federal or State office use)

PERMIT NO. 43-013-31801 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY  
*John R. Baya* Associate Director  
9/11/97

\*See Instructions On Reverse Side



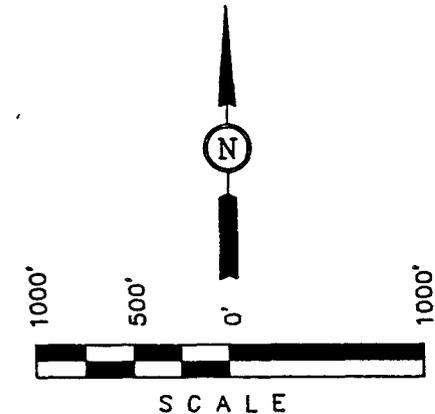
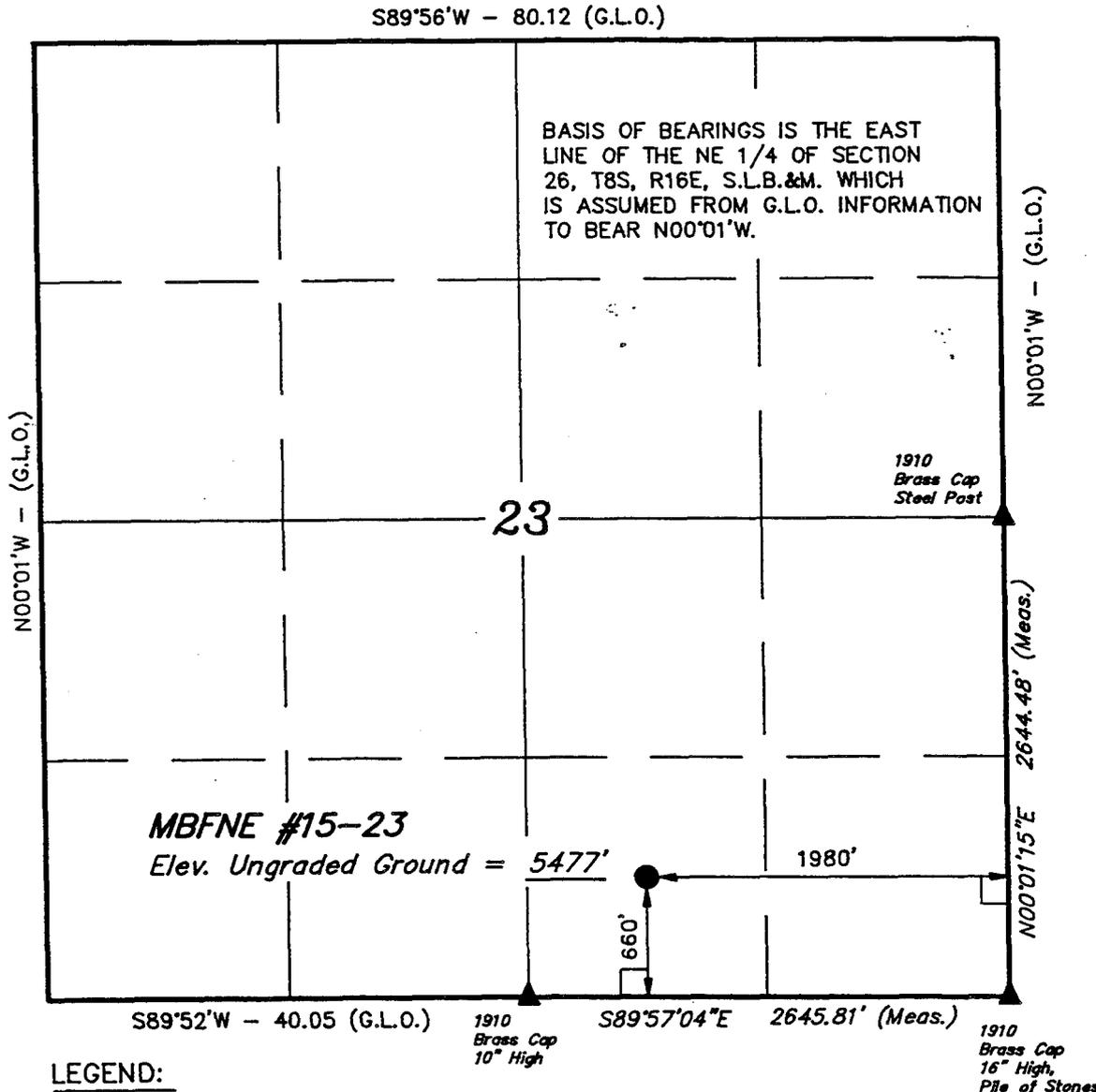
# T8S, R16E, S.L.B.&M.

## INLAND PRODUCTION CO.

Well location, MBFNE #15-23, located as shown in the SW 1/4 SE 1/4 of Section 23, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 23, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, 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 5467 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 L. Gray*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

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

SCALE 1" = 1000'	DATE SURVEYED: 11-25-96	DATE DRAWN: 12-04-96
PARTY D.K. K.S. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL NE # 15-23  
SW/SE SECTION 23, 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' - 3050'
Green River	3050'
Wasatch	6500'

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

Green River Formation 3050' - 6500' - 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 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

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

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050' ± , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromate's will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

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

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

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

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300' ±, and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500' ±. The cement bond log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

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 second quarter of 1997, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL NE #15-23  
SW/SE SECTION 23, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte Federal NE #15-23 located in the SW 1/4 SE 1/4 Section 23, 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 - 6.3 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road 1.3 miles  $\pm$ , to the beginning of the access road, to be discussed in Item #2.

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

The aforementioned dirt oil field 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 SW1/4 SE 1/4 Section 23, T8S, R16E, S.L.B. & M., and proceeds in a westerly direction approximately 700'  $\pm$ , 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 no barrow ditches and turnouts as needed along this road.

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

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

3. **LOCATION OF EXISTING WELLS**

There are twelve (12) producing Inland Production wells, within a one (1) mile radius of this location. 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 built to BLM specifications.

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**

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Monument Butte Federal NE #15-23.

Existing water for this well will be trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit (80 X 30 X 6' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromate's, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

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

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

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

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

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be windrowed on the northwest between stakes 2 & 8.

Access to the well pad will be from the north, between stakes 2 & 3.

**Fencing Requirements**

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

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

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

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

- b) ***Dry Hole Abandoned Location***

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

**11. SURFACE OWNERSHIP - Bureau Of Land Management**

12. **OTHER ADDITIONAL INFORMATION**

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

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

Inland Production Company requests that a pipeline ROW be granted to the Monument Butte Federal NE #15-23, from the Monument Butte Federal NE #16-23 approximately 1319' ±, for a 3" poly gas line and a 2" poly return line. Both lines will be run on surface, adjacent to road-way. See Exhibit "G".

***Additional Surface Stipulations***

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

***Hazardous Material Declaration***

Inland Production Company guarantees that during the drilling and completion of the Monument Butte Federal NE #15-23 we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Monument Butte Federal NE #15-23, 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.

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

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

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

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

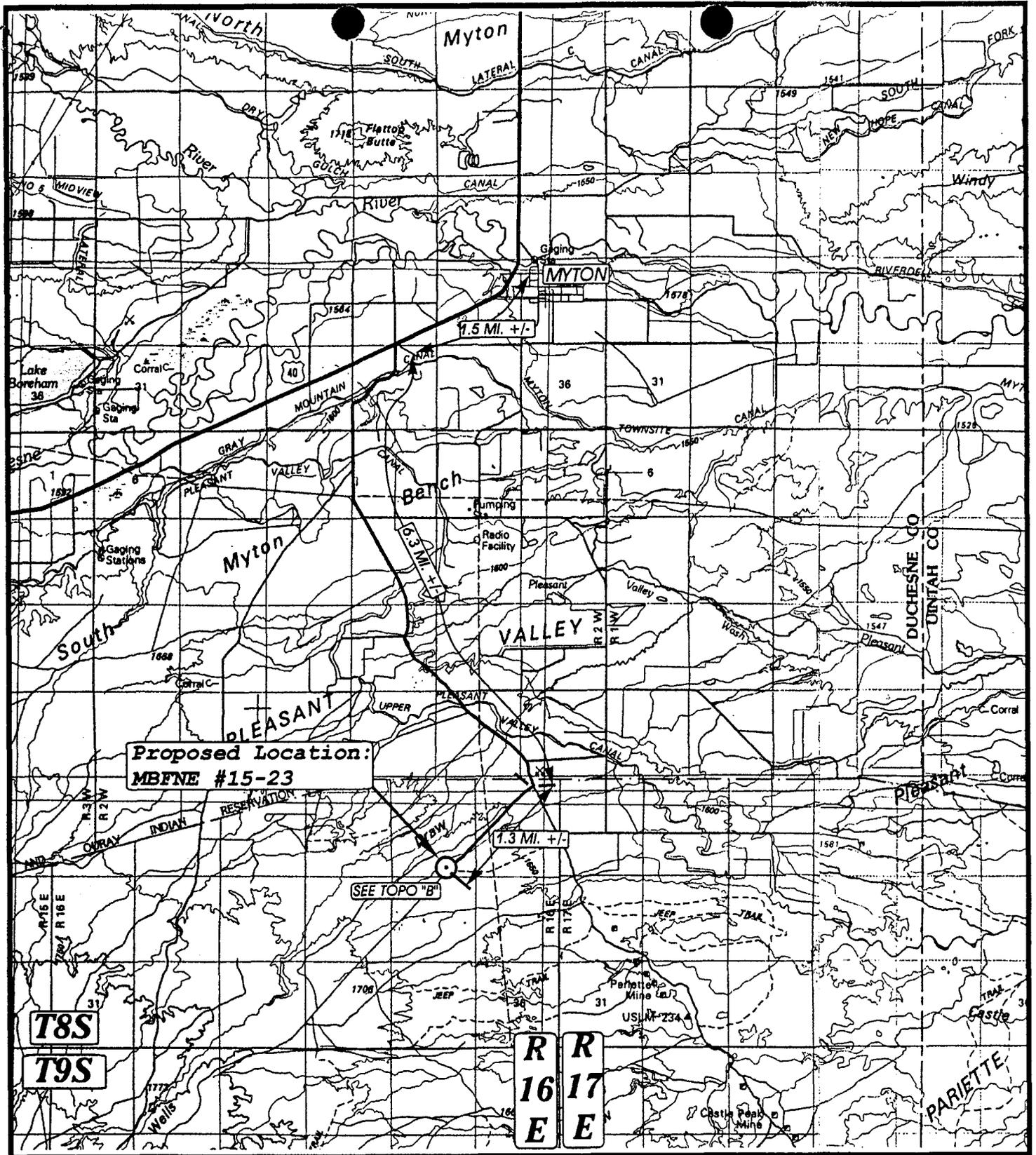
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #15-23 SW/SE Section 23, Township 8S, Range 16E: Lease #U-34346 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 drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1-24-97  
Date

Brad Mecham  
Brad Mecham  
District Manager



UELS

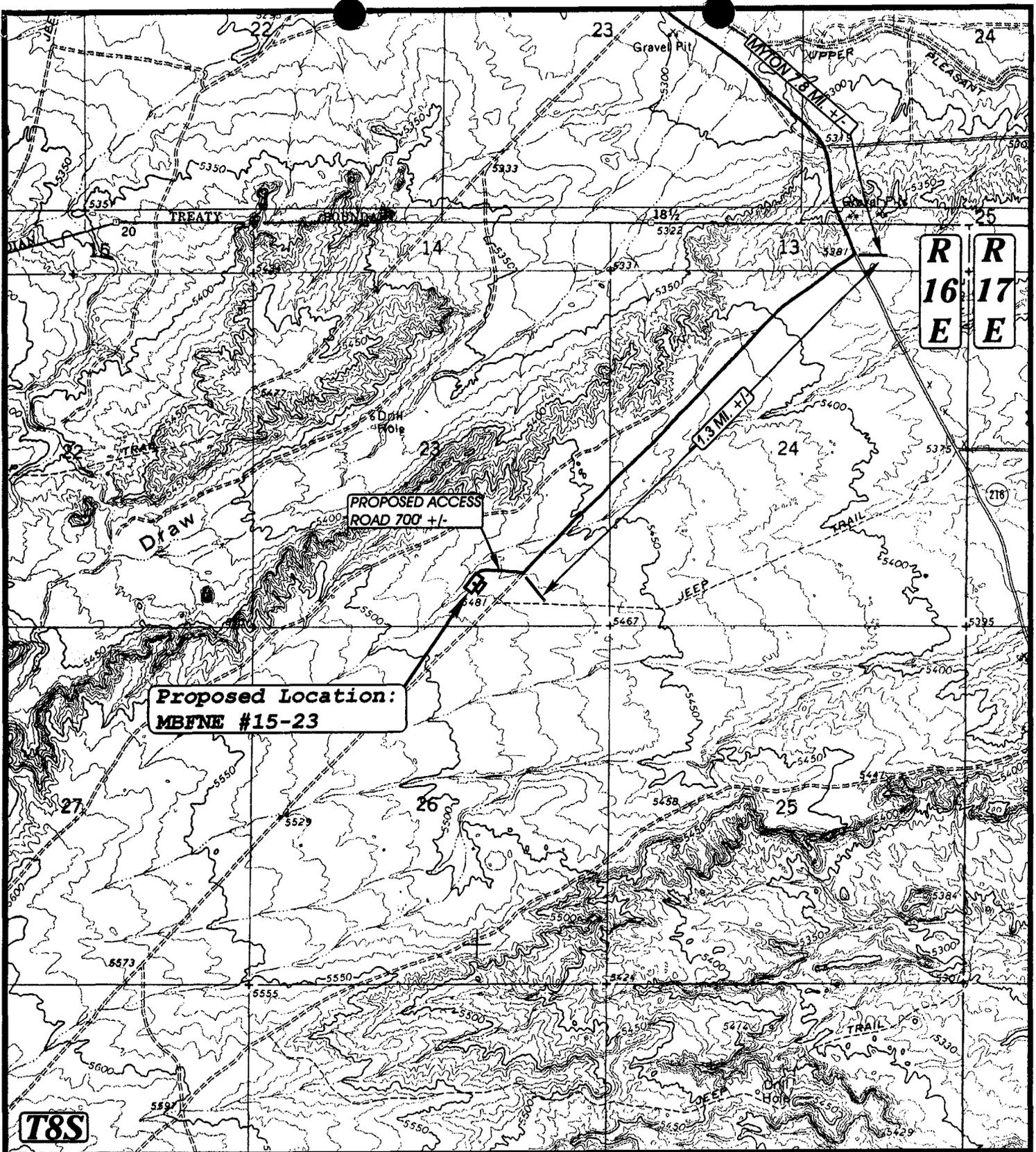
TOPOGRAPHIC  
MAP "A"

DATE: 12-02-96  
Drawn by: D.COX



INLAND PRODUCTION CO.

MBFNE #15-23  
SECTION 23, T8S, R16E, S.L.B.&M.  
660' FSL 1980' FEL



**R**  
**16**  
**E**

**R**  
**17**  
**E**

**Proposed Location:  
MBFNE #15-23**

**PROPOSED ACCESS  
ROAD 700 +/-**

**1.3 MI +/-**

**T8S**

**UELS**

**TOPOGRAPHIC  
MAP "B"**

**DATE: 12-2-96  
Drawn by: D.COX**

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

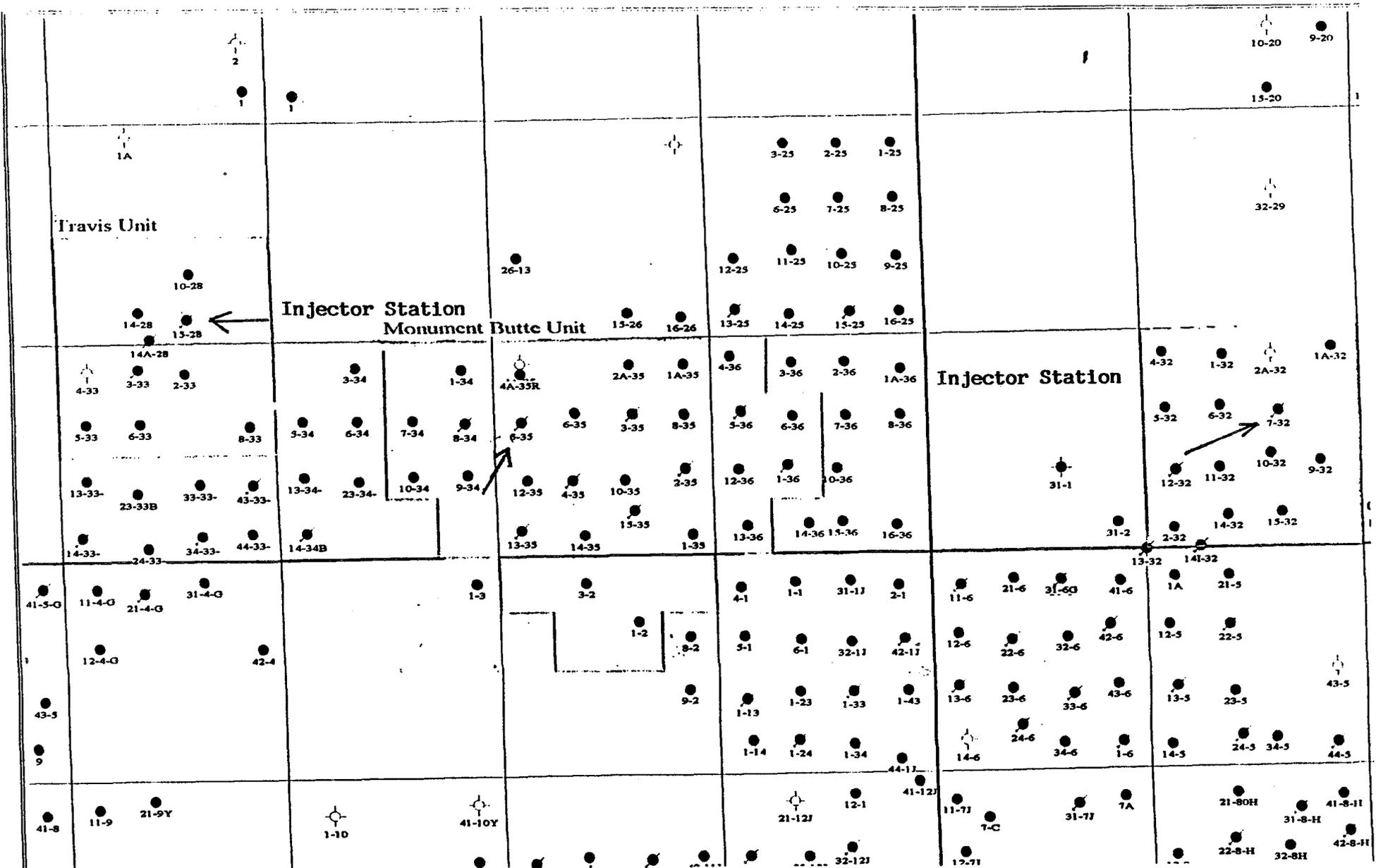


**INLAND PRODUCTION CO.**

**MBFNE #15-23  
SECTION 23, T8S, R16E, S.L.B.&M.  
660' FSL 1980' FEL**

**SCALE: 1" = 2000'**

EXHIBIT "C"



**Inland**  
 475 17<sup>th</sup> Street Suite 1300  
 Denver, Colorado 80202  
 Phone (303) 291-0900

Regional Area

Duchesne Counties, Utah

Dec 31/96 J.A.

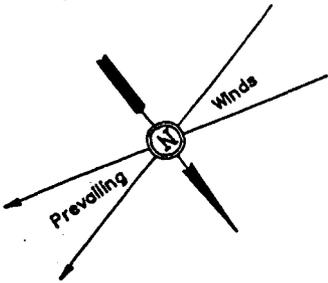




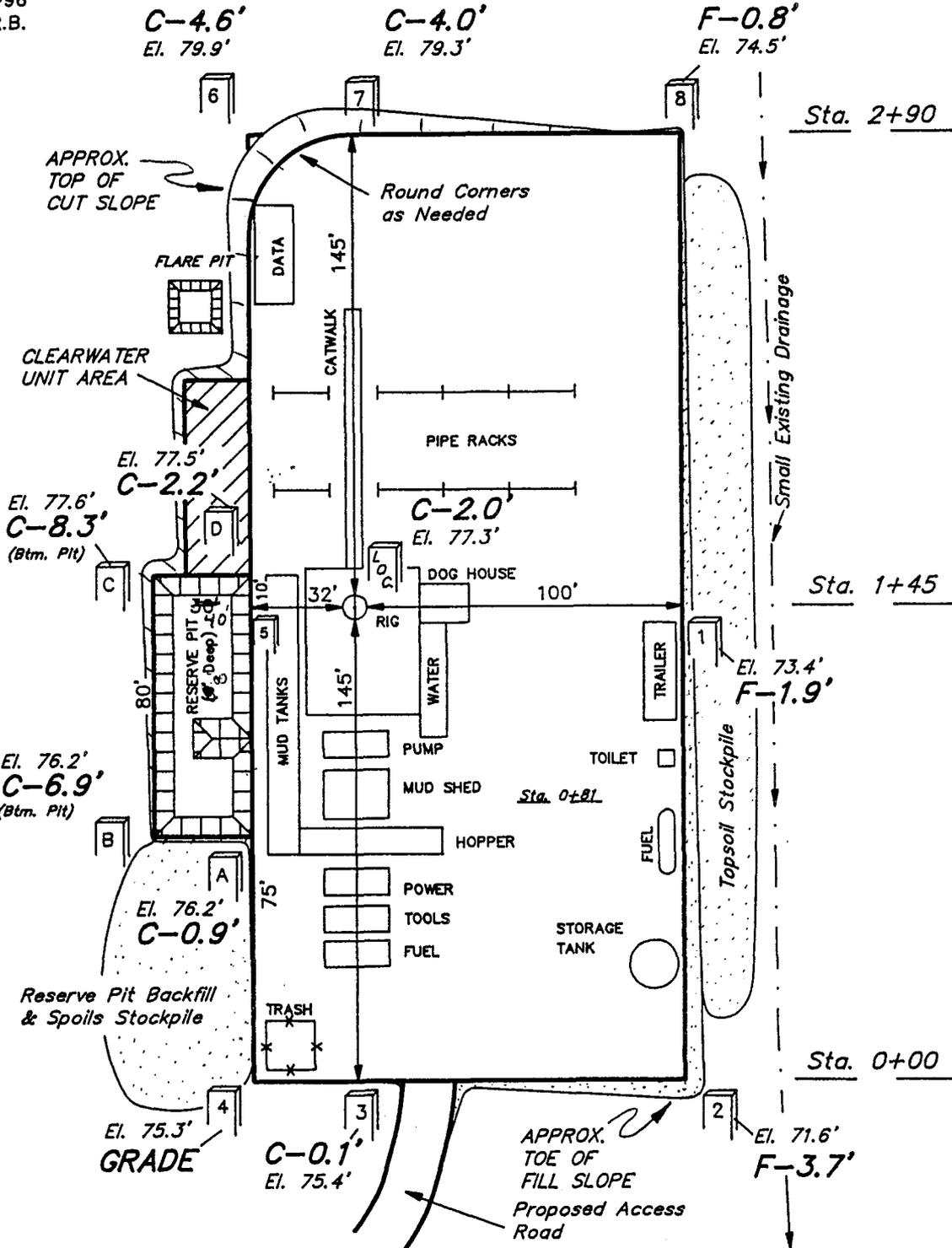
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

MBFNE #15-23  
SECTION 23, T8S, R16E, S.L.B.&M.  
660' FSL 1980' FEL



SCALE: 1" = 50'  
DATE: 12-04-96  
Drawn By: D.R.B.



NOTE:  
FLARE PIT IS TO BE LOCATED A MINIMUM OF 125' FROM THE WELL HEAD.

NOTE:  
PIT CAPACITY WITH 2' OF FREEBOARD = 1,010 Bbls.

BM  
1-24-97

Elev. Ungraded Ground at Location Stake = 5477.3'  
Elev. Graded Ground at Location Stake = 5475.3'

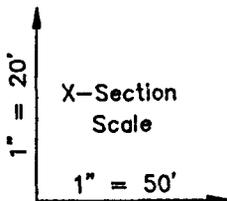
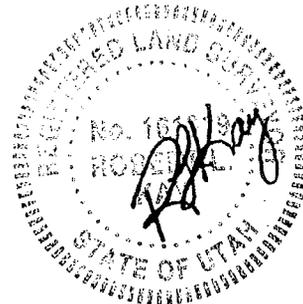
**INLAND PRODUCTION CO.**

**TYPICAL CROSS SECTIONS FOR**

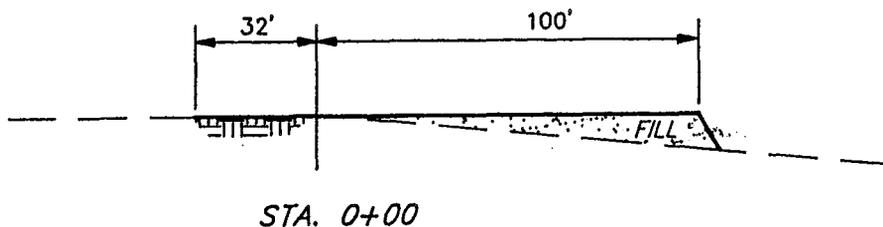
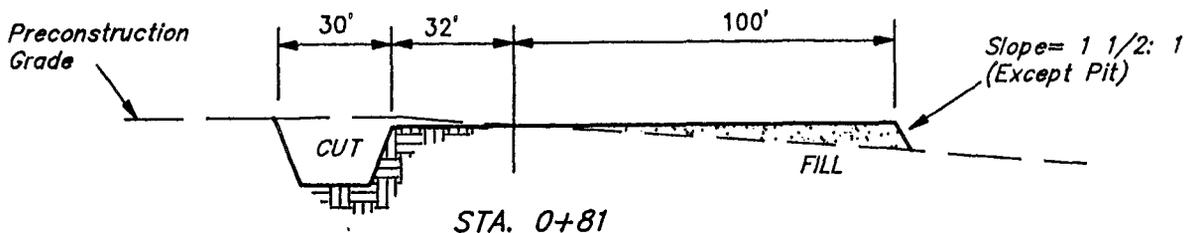
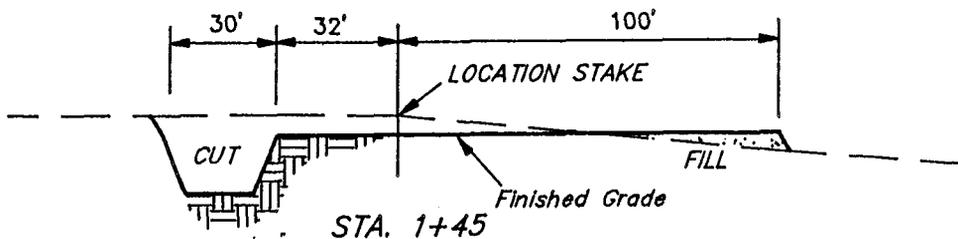
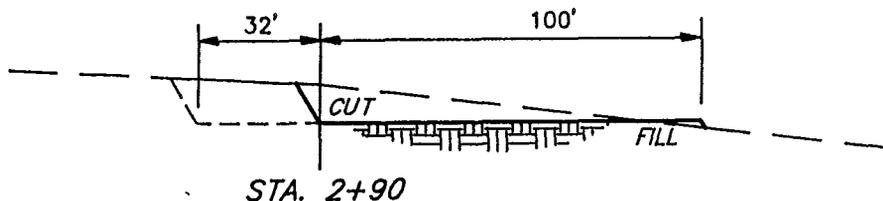
**MBFNE #15-23**

**SECTION 23, T8S, R16E, S.L.B.&M.**

**660' FSL 1980' FEL**



DATE: 12-04-96  
Drawn By: D.R.B.



**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 750 Cu. Yds.
Remaining Location	= 1,520 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 2,270 CU.YDS.</b>
<b>FILL</b>	<b>= 1,250 CU.YDS.</b>

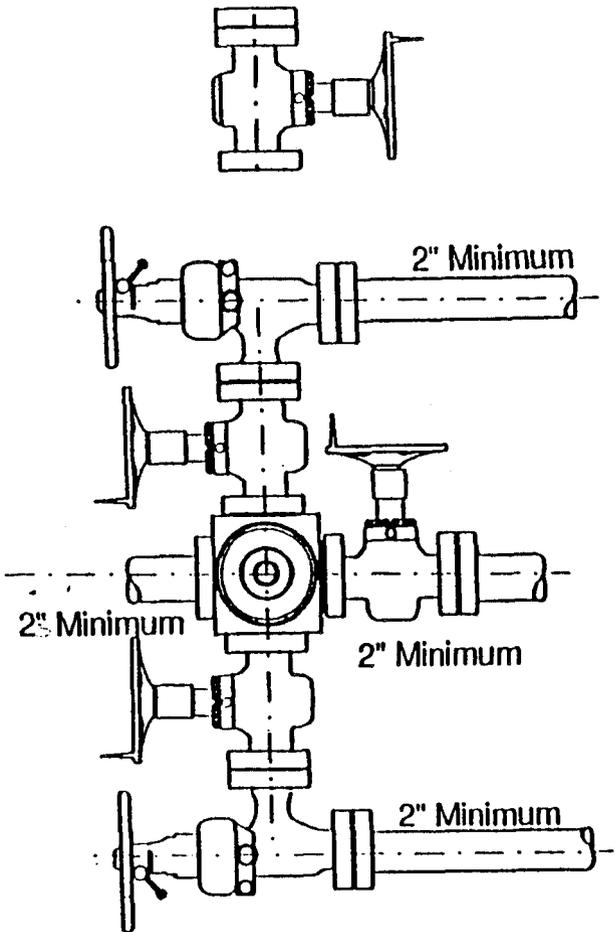
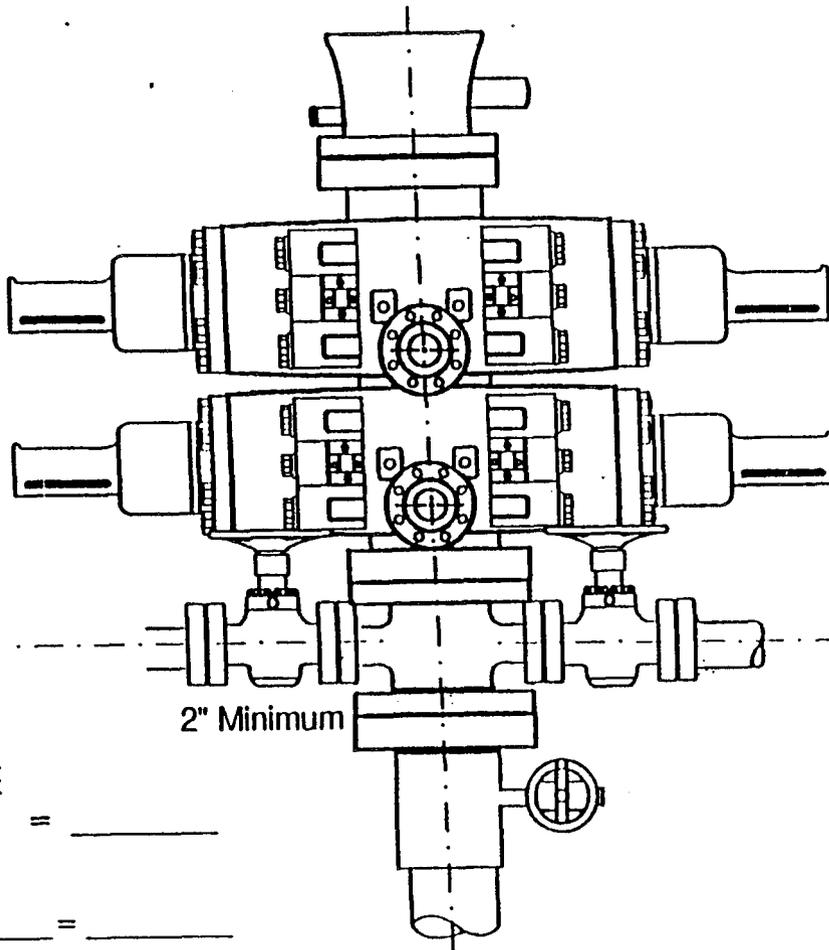
EXCESS MATERIAL AFTER 5% COMPACTION	= 950 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 950 Cu. Yds.
EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed	= 0 Cu. Yds.

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

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

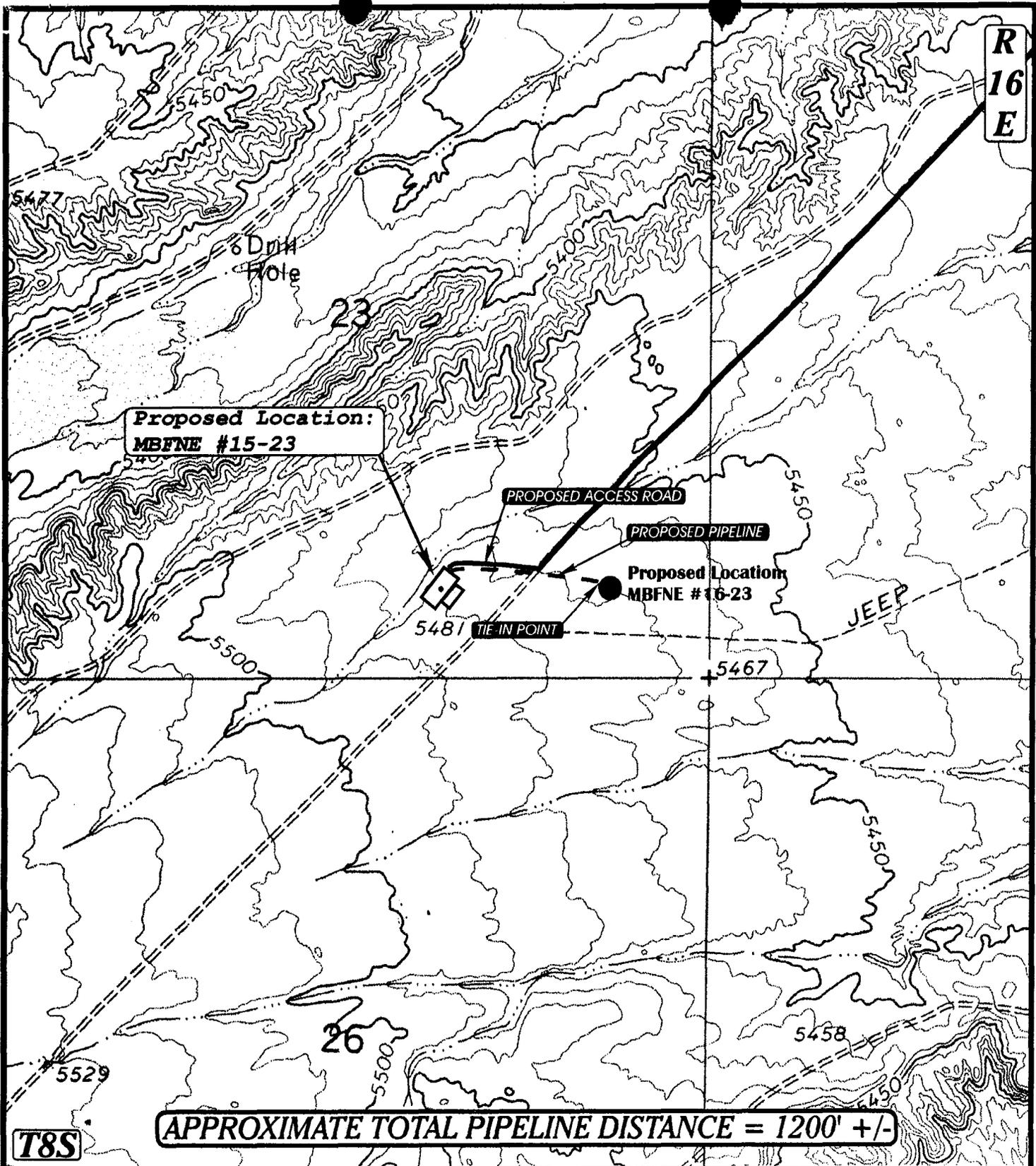
# 2-M SYSTEM

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)



TOPOGRAPHIC  
MAP "G"

UELS

- — — Existing Pipeline
- · · · · Proposed Pipeline



**INLAND PRODUCTION CO.**

**MBFNE #15-23**  
**SECTION 23, T8S, R16E, S.L.B.&M.**

**DATE: 12-2-96**  
**Drawn by: D.COX**

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

SCALE: 1" = 1000'

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/31/97

API NO. ASSIGNED: 43-013-31801
--------------------------------

WELL NAME: MONUMENT BUTTE FED NE 15-23  
 OPERATOR: INLAND OPERATING COMPANY (N5160)

PROPOSED LOCATION:  
~~/~~ SWSE 23 - T08S - R16E  
 SURFACE: 0660-FSL-1980-FEL  
 BOTTOM: 0660-FLS-1980-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 34346

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

~~/~~ Plat  
~~/~~ Bond: Federal  State  Fee   
 (Number 80 4556)  
~~//~~ Potash (Y/N)  
~~N~~ Oil shale (Y/N)  
~~/~~ Water permit  
 (Number 43-10152)  
~~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: \_\_\_\_\_

\_\_\_\_\_

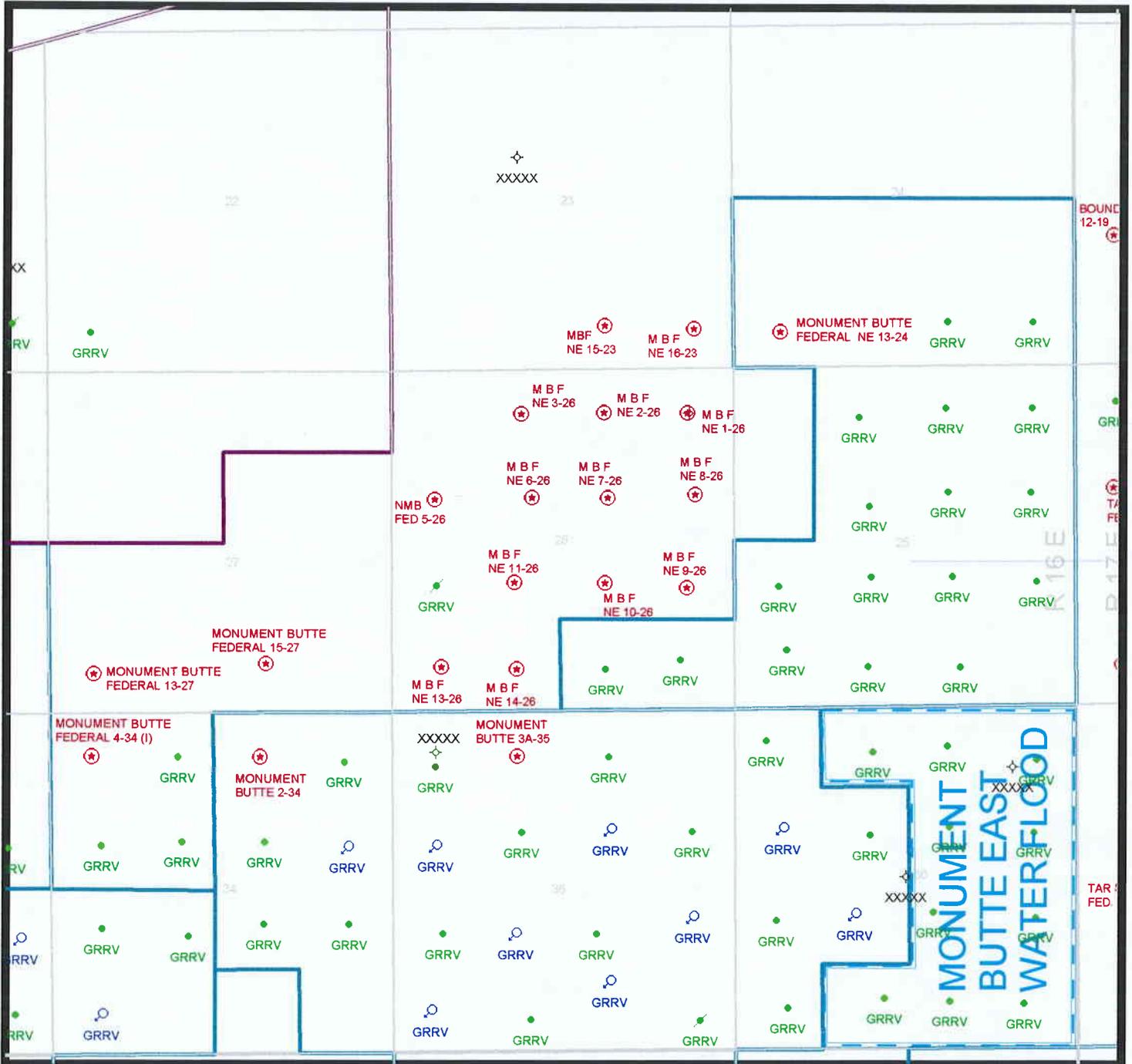
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**OPERATOR: INLAND PRODUCTION**  
**FIELD: MONUMENT BUTTE (105)**  
**SECTION: 23 & 26, T8S, R16E**  
**COUNTY: DUCHESNE**  
**SPACING: UAC R649-3-2**



PREPARED:  
 DATE: 31-JAN-97



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

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

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

September 11, 1997

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

Re: MBFNE 15-23 Well, 660' FSL, 1980' FEL, SW SE, Sec. 23,  
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 Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31801.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Associate Director

lwp

Enclosures

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

Operator: Inland Production Company  
Well Name & Number: MBFNE 15-23  
API Number: 43-013-31801  
Lease: U-34346  
Location: SW SE Sec. 23 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 Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: MONUMENT BUTTE FEDERAL NE 15-23

Api No. 43-013-31801

Section: 23 Township: 8S Range: 16E County: DUCHESNE

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

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

SPUDDED:

Date: 9/12/97

Time: 1:45 PM

How: DRY HOLE

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

Reported by: CHERYL CAMERON

Telephone NO.: 1-801-789-1866

Date: 9/17/97 Signed: JLT

✓

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas well     Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

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

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

**SW/SE  
Sec. 23, T8S, R16E**

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

**Mon Butte Fed #15-23**

9. API Well No.

**43-013-31801**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne, UT**

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing repair  
 Altering Casing  
 Other Surface Spud

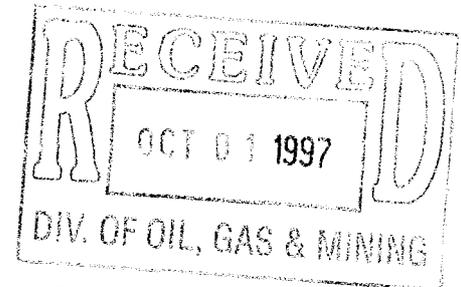
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-off  
 Conversion to Injection  
 Dispose Water

(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)

**Drilled 12 1/4" hole w/ Leon Ross Rathole Rig to 305'. Run 8 5/8" 24# J-55 csg to 298'. Pump 10 BDW & 10 BG. Cmt w/ 120 sx Prem + w/ 2% CC, 2% gel + 1/2#/sk flocele, 15.6 ppg, 1.18 cf/sk yield. Good returns w/ est 7 BC to surface.**

**SPUD w/ Leon Ross Rathole Rig @ 1:45 pm, 9/12/97.**



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

Signed Cheryl Cameron  
**Cheryl Cameron**

Title Regulatory Compliance Specialist Date 9/17/97

(This space of Federal or State office use.)

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

Conditions of approval, if any:

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

**\*See Instruction on Reverse Side**

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas well     Other

2. Name of Operator  
**Inland Production Company**

3. Address and Telephone No.  
**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SW/SE  
Sec. 23, T8S, R16E**

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.  
**Mon Butte Fed #15-23**

9. API Well No.  
**43-013-31801**

10. Field and Pool, or Exploratory Area  
**Monument Butte**

11. County or Parish, State  
**Duchesne, UT**

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

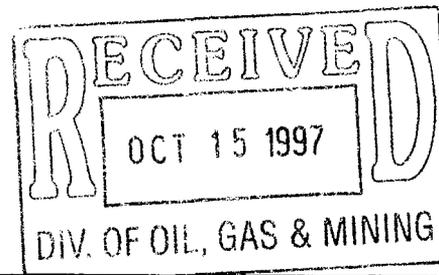
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <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 9/16/97 - 9/22/97:**

**Drilled 7 7/8" hole from 305' - 6251' w/ Four Corners, Rig #6. Pump 20 BDW & 20 BG. Cmt w/ 430 sx Hibond 65 mod, 11.0 ppg, 3.0 cf/sk yield & 410 sx Thixo w/ 10% CalSeal, 14.2 ppg, 1.59 cf/sk yield. Good returns w/ est 4 BC returns. Rig released @ 4:30 pm, 9/22/97. RDMOL.**



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

Signed *Cheryl Cameron* Title Regulatory Compliance Specialist Date 10/3/97  
**Cheryl Cameron**

(This space of Federal or State office use.)

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

Conditions of approval, if any:

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

**\*See Instruction on Reverse Side**

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-34346**

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

1a. TYPE OF WORK **DRILL**  **DEEPEN**   
 1b. TYPE OF WELL  
 OIL  GAS  SINGLE  MULTIPLE   
 WELL  WELL  OTHER  ZONE  ZONE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**MBFNE**

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

9. WELL NO.  
**#15-23**

3. ADDRESS OF OPERATOR  
**P.O. Box 790233 Vernal, UT 84079** Phone: **(801) 789-1866**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **SW/SE**  
 At proposed Prod. Zone **660' FSL & 1980' FEL**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 23, T8S, R16E**

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

12. County **Duchesne** 13. STATE **UT**

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

16. NO. OF ACRES IN LEASE  
**640**

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

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

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**1319' 2.**

22. APPROX. DATE WORK WILL START\*  
**2nd quarter 1997**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	See Below
7 7/8"	5 1/2"	15.5#	TD	

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

**SURFACE PIPE - Premium Plus Cement, w/ 2% CaCl<sub>2</sub>, 1/4# Flocele/sk**

120 sk Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H<sub>2</sub>O Req: 6.4 Gal/sk

**LONG STRING - Lead: Hibond 65 Modified**

400 sk Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H<sub>2</sub>O Req: 18.08 Gal/sk

300 sk **Tail: Premium Plus Thixotropic**

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 Gal/sk

RECEIVED

JAN 28 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Brad Mechem* TITLE **District Manager** DATE **1/17/97**  
**Brad Mechem**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

*Jerry Keneigh*

RECEIVED SEP 10 1997  
 ASSISTANT FIELD MANAGER  
 Mineral Resources  
 See Instructions On Reverse Side  
 CONDITIONS OF APPROVAL ATTACHED  
 OCT 23 1997  
 DIV. OF OIL, GAS & MINING

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.

117080-9m-113

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Monument Butte Fed. NE 15-23

API Number: 43-013-31801

Lease Number: U-34346

Location: SWSE Sec. 23 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 **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

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

#### 2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at **± 292 ft.** or by setting the surface casing at **± 342 ft.** If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

A cement bond log (CBL) will be run from the production casing shoe to **TOP OF CEMENT** if the surface casing is set at **± 342 ft.** or it will be run to **SURFACE** if the surface casing is set at **± 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

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, 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)

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

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

-The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, and crowning (2 to 3%). Graveling or capping the roadbed will be required as necessary to provide a well constructed safe road. Prior to construction/upgrading, the proposed road surface or existing road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Should mud holes develop, they shall be filled in to prevent detours. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. When snow is removed from the road during the winter months, the snow should be pushed outside of the burrow ditches and the turn outs should be kept clear so that when the snow melts the water will be channeled away from the road.

Mountain Plover

No survey work, exploration, prospecting, or plugging and abandonment will occur from March 15 through August 15.

Motorized travel will take place only on designated routes. No cross country travel is permitted.

Road maintenance will be avoided from May 25 through July 1.

According to the timeframes listed on the following chart and prior to new construction and drilling activities, a detailed survey of the area within 0.5 mile of a proposed location and 300 feet either side of the center line of a proposed access route will be made by BLM or a qualified biologist to detect the presence of plovers. Extreme care shall be exercised to locate plovers due to their highly secretive and quiet nature. Where possible, the survey shall first be made from a stationary vehicle. All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

The surveys will be conducted no more than 14 days prior to the date actual construction or drilling activities begin. If two surveys are required, they will be made at least 14 days apart with the last survey no more than 14 days prior to the start-up date.

If an active nest or chicks are found in the area, the planned activity will be delayed until the chicks are out of downy plumage; the brood vacates the area of influence; or, the nest has failed.

Grading activities and new road construction will be minimized from May 25 through June 30.

-Stockpile the topsoil from the reserve pit separately near the reserve pit. The location topsoil shall be windrowed along the edge of the location between corners 2 and corner 8. When the reserve pit is dry it shall be filled, recontoured, and the pit topsoil respread then drilled with the following seed mix:

Fourwing Saltbush	<i>Atriplex canescens</i>	4 lbs/acre
Nuttals Saltbush	<i>Atriplex nuttalli v. cuneata</i>	3 lbs/acre
Galleta	<i>Hilaria jamesii</i>	2 lbs/acre
Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre

All poundage are in Pure Live Seed. If the seed mixture is applied aerially, then the rates shall be doubled, and the seed covered after application. Reseeding shall be done immediately after the topsoil is spread. This seed mixture shall also be used for final abandonment.

The location topsoil pile shall also be seeded with the same seed mix mentioned above as soon as the soil is windrowed.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

[X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

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

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

SW/SE Sec. 23, T8S, R16E

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

Mon Butte Fed #15-23

9. API Well No.

43-013-31801

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

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

Table with 2 main columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing repair, Altering Casing, Other (Weekly Status), Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-off, Conversion to Injection, and Dispose Water.

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 10/1/97 - 10/8/97:

Perf LDC sd 6026' - 6050', 6125' - 6129', 6132' - 6138' Perf D sd 5158' - 5164', 5201' - 5206', 5208' - 5228' Perf GB sd 4560' - 4569'

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

Signed Cheryl Cameron

Title Regulatory Compliance Specialist Date 10/10/97

(This space of Federal or State office use.)

Approved by Title Date

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-34346**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**MON BUTTE FED NE 15-23**

9. API Well No.  
**43-013-31801**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**0660 FSL 1980 FEL                      SW/SE Section 23, T08S R16E**

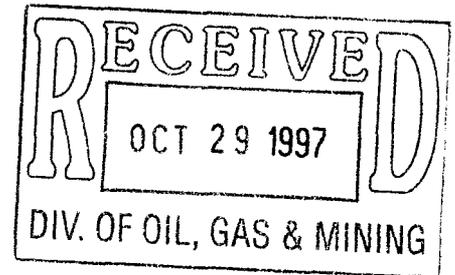
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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 10/9/97 - 10/15/97**

Swab well. Trip production tbg.  
Place well on production @ 7:00 PM, 10/15/97.



14. I hereby certify that the foregoing is true and correct  
Signed Shaunon Smith Title Engineering Secretary Date 10/23/97

(This space for Federal or State office use)  
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:  
**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**U-34346**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

**MON BUTTE FED NE 15-23**

2. NAME OF OPERATOR

**Inland Production Company**

9. API WELL NO.

**43-013-31801**

3. ADDRESS AND TELEPHONE NO.

**475 Seventeenth Street, Suite 1500, Denver, CO 80202 (303) 292-0900**

10. FIELD AND POOL OR WILDCAT

**MONUMENT BUTTE**

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

At Surface

**SW/SE**

**0660 FSL 1980 FEL**

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

**Section 23, T08S R16E**

At total depth

14. PERMIT NO.

**43-013-31801**

DATE ISSUED

**9/10/97**

12. COUNTY OR PARISH

**DUCHESNE**

13. STATE

**UT**

15. DATE SPUDDED

**9/12/97**

16. DATE T.D. REACHED

**9/21/97**

17. DATE COMPL. (Ready to prod.)

**10/15/97**

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

**1319**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**6251'**

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

**6199'**

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 4560' - 6138'**

25. WAS DIRECTIONAL SURVEY MADE

**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**CBL, DIGL/SP/GR/CAL, SDL/DSN/GR 12-22-97**

27. WAS WELL CORED

**No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	298'	12 1/4	145 sx Prem Plus	
5 1/2	15.5#	6246'	7 7/8	430 sx Hibond & 410 sx Thixo	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6135'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

**CP 6125'-29', 6132'-38'**  
**LDC 6026'-50'**  
**D 5158'-64', 5201'-06', 5208'-28'**  
**GB 4560-69'**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>6026'-6138'</b>	<b>92,400# 20/40 sd in 387 BG</b>
<b>5158'-5228'</b>	<b>92,300# 20/40 sd in 472 BG</b>
<b>4560'-4569'</b>	<b>85,300# 20/40 sd in 422 BG</b>

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
<b>10/15/97</b>	<b>Pumping - 2-1/2" x 1-1/2" x 12' x 15-1/2' RHAC pump</b>	<b>producing</b>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
<b>14 Day Avg</b>	<b>10-11/97</b>	<b>N/A</b>	<b>→</b>	<b>142</b>	<b>335</b>	<b>7</b>	<b>2.359</b>
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		<b>→</b>					

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

**Sold & Used for Fuel**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

**Items in #26**

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

SIGNED

*Ramiro J. Horob*

TITLE

**Engineering Technician**

DATE

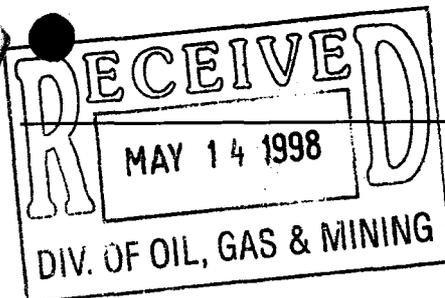
**12/17/97**

(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.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4480'				
Point 3 Mkr	4772'				
X Mkr	5013'				
Y-Mkr	5047'				
Douglas Creek Mkr	5162'				
BiCarbonate Mkr	5448'				
B Limestone Mkr	5602'				
Castle Peak	6075'				



April 29, 1998

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

RE: Permit Application for Water Injection Well  
Monument Butte Federal NE #15-23, Hawkeye Unit  
Monument Butte Field, Lease #U-34346  
Section 23-Township 8S-Range 16E  
Duchesne County, Utah

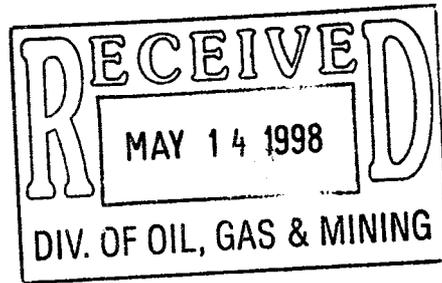
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Butte Federal #9-23 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Hawkeye Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL NE #15-23**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**HAWKEYE UNIT**  
**LEASE #U-34346**  
**APRIL 29, 1998**

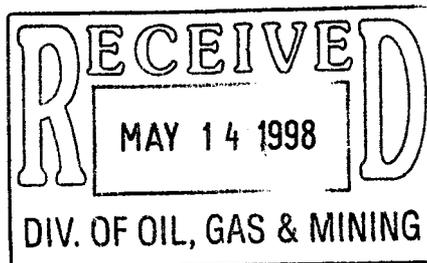
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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202



Well Name and number: Monument Butte Federal NE #15-23  
Field or Unit name: Monument Butte (Green River) Hawkeye Unit Lease No. U-34346  
Well Location: QQ SWSE section 23 township 8S range 16E county Duchesne

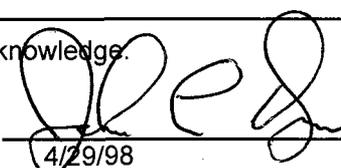
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
Disposal? . . . . . Yes [ ] No [ X ]  
Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ X ] No [ ]  
Date of test: 10/2/97  
API number: 43-013-31801

Proposed injection interval: from 4560' to 6138'  
Proposed maximum injection: rate 500 bpd pressure 1830 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

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

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

Name: John E. Dyer Signature   
Title Chief Operating Officer Date 4/29/98  
Phone No. (303) 292-0900

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Monument Butte Federal NE #15-23

Spud Date: 9/12/97  
 Put on Production: 10/15/97  
 GL: 1319' KB: 1332'

Initial Production: 142 BOPD,  
 335 MCFPD, 7 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Premium cmt, est 7 bbls to surf.

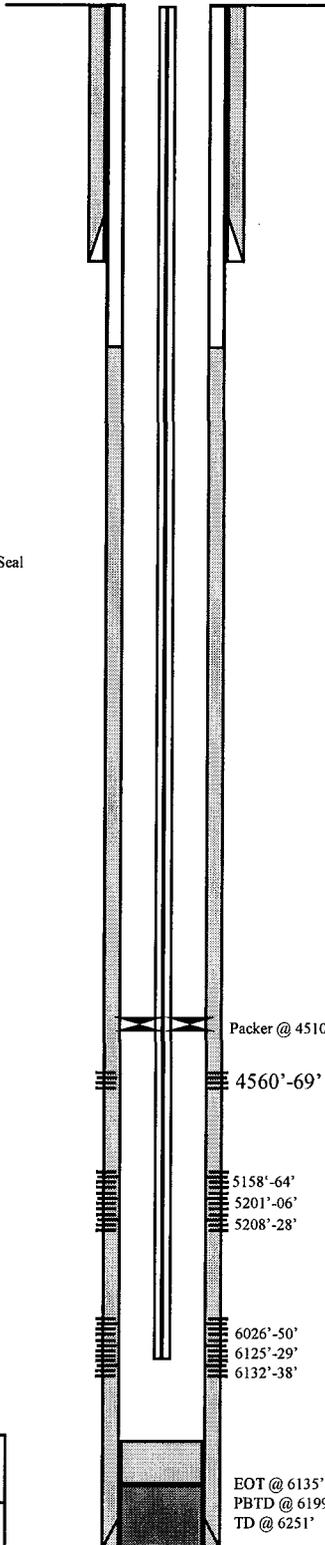
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts  
 DEPTH LANDED: 6246'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sk Hibond mixed & 410 sxs Thixo w/ 10% CalSeal  
 CEMENT TOP AT: 1260' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 196 jts  
 TUBING ANCHOR: 6001'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 6135'  
 SN LANDED AT: 6066'

## Proposed Injection Wellbore Diagram



## FRAC JOB

**10/3/97 6026'-6138'** **Frac LDC/CP sand as follows:**  
 92,400# 20/40 sd in 387 bbls Boragel. Perfs broke dn @ 2760 psi. Treated @ ave press of 2175 psi w/ave rate of 32 BPM. Screened out w/4301 gel left to flush & 9.7# sd on perfs. 59,200# sd in perfs, 32,200# sd left in csg. ISIP: 3899 psi, 5 min: 3745 psi. Flowback @ 1 BPM until dead.

**10/6/97 5158'-5228'** **Frac D sand as follows:**  
 92,300# 20/40 sd in 472 bbl Boragel. Perfs broke dn @ 2168 psi. Treated @ ave press of 1265 psi w/ave rate of 30.1 bpm. ISIP: 1871 psi, 5 min: 1796 psi. Flowback on 12/64" choke for 2-1/2 hrs & died.

**10/8/97 4560'-4569'** **Frac GB sand as follows:**  
 85,300# 20/40 sd in 422 bbls Boragel. Perfs broke dn @ 1720 psi. Treated @ ave press of 2345 psi w/ave rate of 23.8 BPM. ISIP: 2150 psi, 5 min: 2090 psi. Flowback on 12/64" choke for 4 hrs & died.

## PERFORATION RECORD

10/2/97	6132'-6138'	4 JSPF	24 holes
10/2/97	6125'-6129'	4 JSPF	16 holes
10/2/97	6026'-6050'	4 JSPF	96 holes
10/4/97	5158'-5164'	4 JSPF	24 holes
10/4/97	5201'-5206'	4 JSPF	20 holes
10/4/97	5208'-5228'	4 JSPF	80 holes
10/7/97	4560'-4569'	4 JSPF	36 holes



**Inland Resources Inc.**

**Monument Butte Federal NE #15-23**

660 FSL 1980 FEL

SWSE Section 23-T8S-R16E

Duchesne Co, Utah

API #43-013-31801; Lease #U-34346

EOT @ 6135'  
 PBTD @ 6199'  
 TD @ 6251'

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

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

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

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

See Attachment A

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

Approval is requested to convert the Monument Butte Federal NE #15-23 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Hawkeye Unit.

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

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

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

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Monument Butte Federal NE #15-23 well, the proposed injection zone is from 4560'-6138'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4560'.

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

The referenced log for the Monument Butte Federal NE #15-23 is on file with the Utah Division of Oil, Gas and Mining.

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

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.7 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

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

See Attachment C.

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

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

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

This proposed injection well is on a Federal lease (Lease #U-34346), in the Monument Butte (Green River) Field, Hawkeye Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

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

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 298' GL, and the 5-1/2" casing run from surface to 6246' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1830 psig.

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

The fracture gradient for the Monument Butte Federal NE #15-23, for proposed zones (4560' – 6138') calculates at .79 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1830 psig. See Attachment G through G-3.

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

In the Monument Butte Federal NE #15-23, the injection zone (4560'-6138') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-9.

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

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

See Attachment C.

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

Inland Production Company will supply any requested information to the Board or Division.

Attachment A

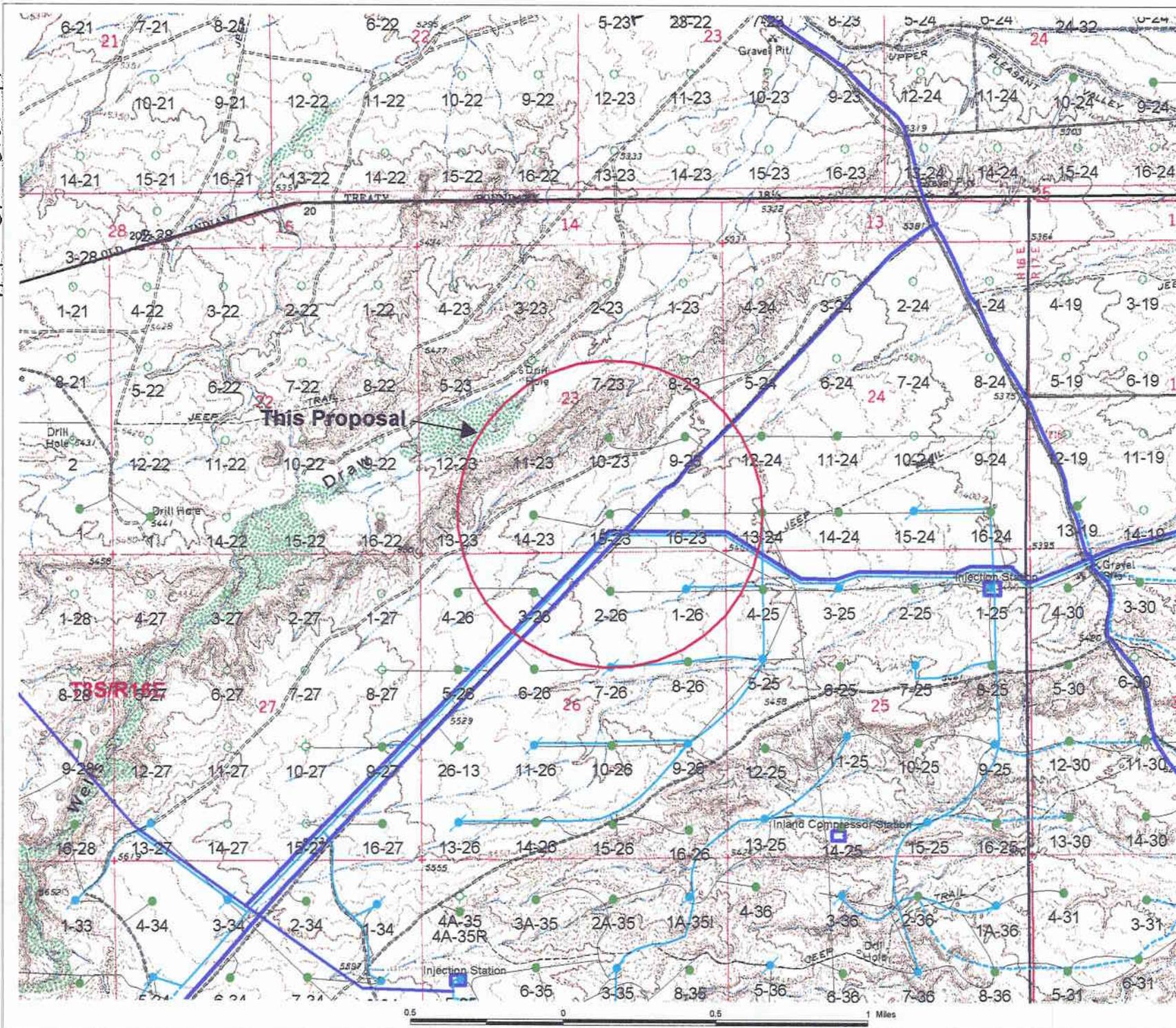


Exhibit "A"



- Legend
- INJ (blue square)
- OIL (green circle)
- GAS (green star)
- O&G (green star with dot)
- DRY (green diamond)
- SHUTIN (green circle with dot)
- LOC (green circle)
- Proposed Water 6" (thick blue line)
- Water 6" (medium blue line)
- Water 4" (thin blue line)
- Water 2-3" (dashed blue line)
- Proposed Water (light blue line)

**Inland**  
67 1/2" Pipe 1000 lbs  
Drawn, Calculated 1982  
Power 1000-200000

**UNYA HAKIN**  
Dokumen & Teknik Consulting/Instansi

Scale 1:50,000

Attachment A-1

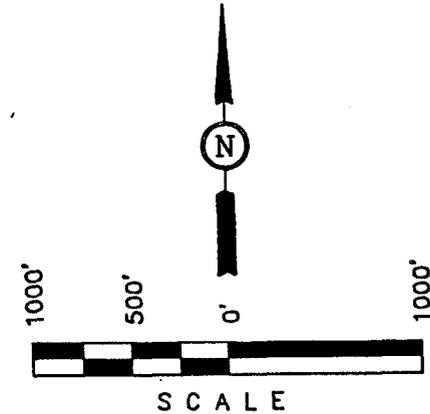
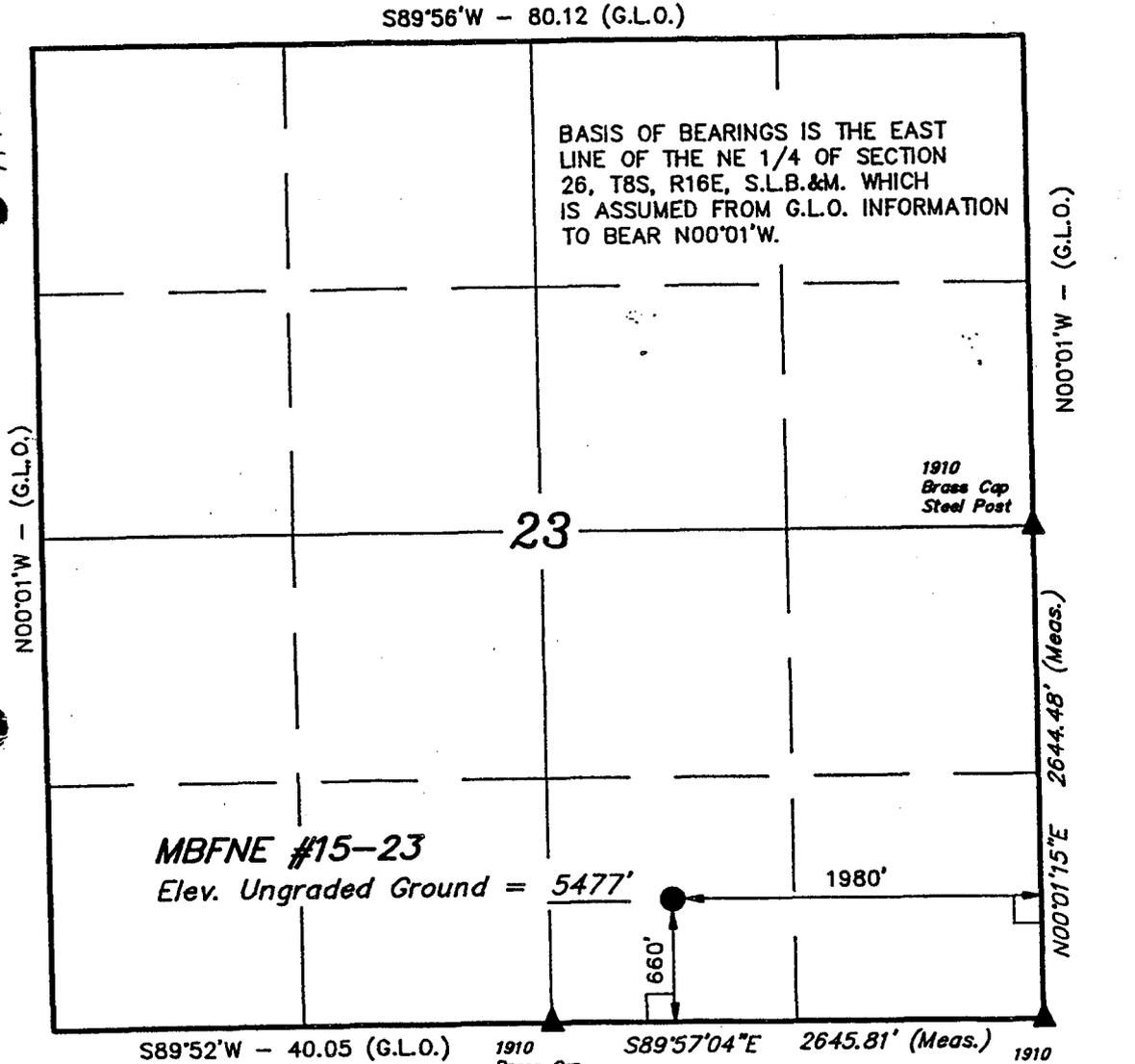
# T8S, R16E, S.L.B.&M.

## INLAND PRODUCTION CO.

Well location, MBFNE #15-23, located as shown in the SW 1/4 SE 1/4 of Section 23, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 23, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, 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 5467 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 L. Key*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 181319  
 STATE OF UTAH

<b>UTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 11-25-96	DATE DRAWN: 12-04-96
PARTY D.K.    K.S.    D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 16 East Section 22: Lot 1, NE/4NW/4, S/2NW/4, SE/4 Section 23: SW/4 Section 26: N/2 Section 27: NE/4, S/2NW/4, N/2S/2	U-73088 HBP	Inland Production Company Amerada Hess Corporation	(Surface Rights) USA
2	Township 8 South, Range 16 East Section 23: E/2 Section 25: W/2NW/4 Section 26: SW/4, NW/2SE/4	U-34346 HBP	Inland Production Company Apache Corporation	(Surface Rights) USA
3	Township 8 South, Range 16 East Section 23: NE/4	U-76560 6/1/99	Inland Production Company Citation Oil & Gas Corp Citation 1994 Investment LTD	(Surface Rights) USA

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 8 South Range 16 East Section 13: All (Excluding patent # 813121) Section 22: NE/4 Section 23: NW/4 Section 24: N/2, Excluding Patent (# 813321 & 884015)	UTU-74868 10/18/05	Inland Production Company	(Surface Rights) USA
5	Township 8 South, Range 16 East Section 24: S/2 Section 25: NE/4, E/2NW/4, S/2 Section 26: S/2SE/4	UTU-67170 HBP	Inland Production Company	(Surface Rights) USA

Attachment B  
(Pg 2 of 2)

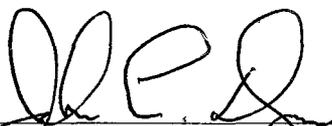
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Butte Federal NE #15-23

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

Signed: \_\_\_\_\_

  
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 29<sup>th</sup> day of April, 1998.

Notary Public in and for the State of Colorado: \_\_\_\_\_





My Commission Expires 11/14/2000

# Monument Butte Federal NE #15-23

Spud Date: 9/12/97  
 Put on Production: 10/15/97  
 GL: 1319' KB: 1332'

Initial Production: 142 BOPD,  
 335 MCFPD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts  
 DEPTH LANDED: 6246'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sk Hibond mixed & 410 sxs Thixo w/ 10% CalSeal  
 CEMENT TOP AT: 1260' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 196 jts  
 TUBING ANCHOR: 6001'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 6135'  
 SN LANDED AT: 6066'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished  
 SUCKER RODS: 4 weight, 4 - 3/4" scraped, 138 - 3/4" plain, 96 - 3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIFL/SP/GR, CNL/CDL/GR/CAL, CBL-GR

**FRAC JOB**

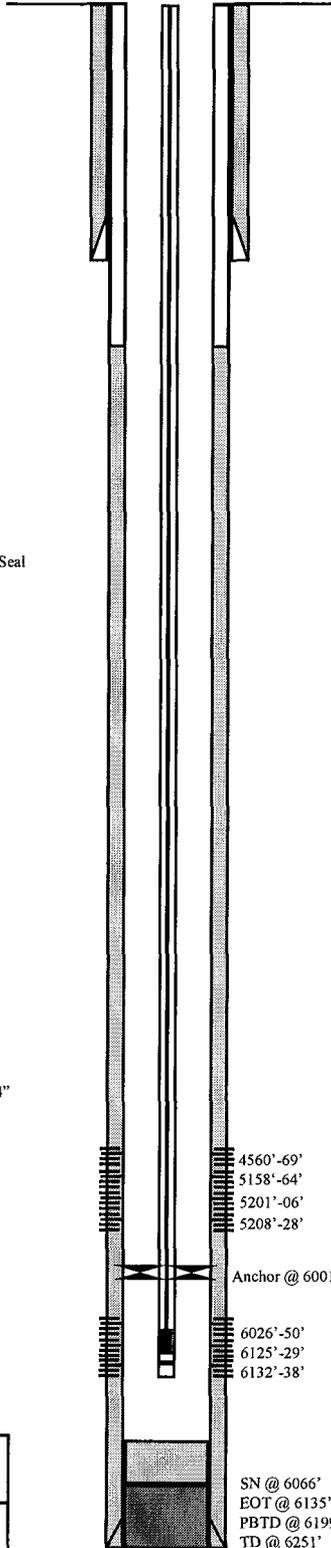
**10/3/97 6026'-6138'** **Frac LDC/CP sand as follows:**  
 92,400# 20/40 sd in 387 bbls Boragel. Perfs broke dn @ 2760 psi. Treated @ ave press of 2175 psi w/ave rate of 32 BPM. Screened out w/4301 gel left to flush & 9.7# sd on perfs. 59,200# sd in perfs, 32,200# sd left in csg. ISIP: 3899 psi, 5 min: 3745 psi. Flowback @ 1 BPM until dead.

**10/6/97 5158'-5228'** **Frac D sand as follows:**  
 92,300# 20/40 sd in 472 bbl Boragel. Perfs broke dn @ 2168 psi. Treated @ ave press of 1265 psi w/ave rate of 30.1 bpm. ISIP: 1871 psi, 5 min: 1796 psi. Flowback on 12/64" choke for 2-1/2 hrs & died.

**10/8/97 4560'-4569'** **Frac GB sand as follows:**  
 85,300# 20/40 sd in 422 bbls Boragel. Perfs broke dn @ 1720 psi. Treated @ ave press of 2345 psi w/ave rate of 23.8 BPM. ISIP: 2150 psi, 5 min: 2090 psi. Flowback on 12/64" choke for 4 hrs & died.

**PERFORATION RECORD**

10/2/97	6132'-6138'	4 JSPF	24 holes
10/2/97	6125'-6129'	4 JSPF	16 holes
10/2/97	6026'-6050'	4 JSPF	96 holes
10/4/97	5158'-5164'	4 JSPF	24 holes
10/4/97	5201'-5206'	4 JSPF	20 holes
10/4/97	5208'-5228'	4 JSPF	80 holes
10/7/97	4560'-4569'	4 JSPF	36 holes



SN @ 6066'  
 EOT @ 6135'  
 PBTD @ 6199'  
 TD @ 6251'



**Inland Resources Inc.**

**Monument Butte Federal NE #15-23**

660 FSL 1980 FEL  
 SWSE Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31801; Lease #U-34346

# Monument Butte Federal #16-23

Spud Date: 2/26/97  
 Put on Production: 6/26/97  
 GL: 5468' KB:5481'

Initial Production: 215 BOPD,  
 250 MCFPD, 10 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.(290.94.80')  
 DEPTH LANDED: 289.94' GL  
 HOLE SIZE: 12 - 1/4"  
 CEMENT DATA: 120 sxs Class V w/ 2% CaCl

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 152 jts. (6413.18')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 550 sxs Hibond mixed & 460 sxs thixotropic  
 CEMENT TOP AT: 862' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 192 jts  
 TUBING ANCHOR: 5968'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 6279')  
 SN LANDED AT: 6217'

**SUCKER RODS**

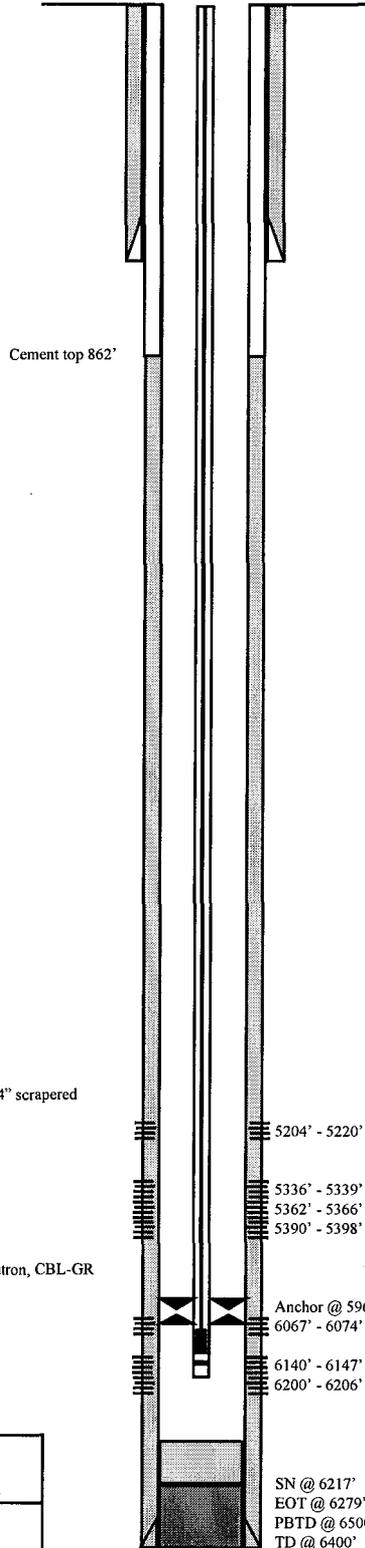
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4 - 1" scraped, 111 - 3/4" plain rods, 128 - 3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 10 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/14/97 6067'-6206' **Frac A/CP sand as follows:**  
 124,900# 20/40 sand in 624 bbls of Boragel. Breakdown @ 3070 psi, treated @ avg rate 30.3 bpm w/avg press of 2100 psi. ISIP 3291 psi, 5-min 2440 psi. Start flowback on 12/64" ck after 5 min. Flowed for 4 - 1/2 hrs and died.

5/15/97 5336'-5398' **Frac C sand as follows:**  
 89,800# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2830 psi. Treated @ avg rate 25.3 bpm w/avg press of 1600 psi. ISIP-2052 psi. 5-min 1928 psi. Flowback after 5 min on 12/64" ck. Flowed for 3 - 1/2 hrs & died.

5/17/97 5204'-5220' **Frac D sand as follows:**  
 96,400# of 20/40 sand in 495 bbls of Boragel. Breakdown @ 2247 psi. Treated @ avg rate 24.3 bpm w/avg press of 1480 psi. ISIP-2024 psi. 5-min 1996 psi. Flowback after 5 min on 12/64" ck. Flowed for 1 hr & died.



**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Holes
5/14/97	6200' - 6206'	4 JSPF	24 holes
5/14/97	6140' - 6147'	4 JSPF	28 holes
5/14/97	6067' - 6074'	4 JSPF	28 holes
6/14/97	6121' - 6128'	4 JSPF	28 holes
5/16/97	5336' - 5339'	4 JSPF	12 holes
5/16/97	5362' - 5366'	4 JSPF	16 holes
5/16/97	5390' - 5398'	4 JSPF	32 holes
5/17/97	5204' - 5207'	4 JSPF	12 holes
5/17/97	5211' - 5214'	4 JSPF	12 holes
5/17/97	5216' - 5220'	4 JSPF	16 holes



**Inland Resources Inc.**

**Monument Butte Federal #16-23**

661 FEL 661 FSL  
 SWNE Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31474; Lease #U-34346

SN @ 6217'  
 EOT @ 6279'  
 PBTD @ 6500'  
 TD @ 6400'

# Hawkeye #14-23

Spud Date: 1/23/98  
 Put on Production: 2/19/98  
 GL: ?' KB: ?'

Initial Production: 65 BOPD,  
 142 MCFPD, 11 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (289')  
 DEPTH LANDED: 289' GL  
 HOLE SIZE: 12 - 1/4"  
 CEMENT DATA: 120 sxs Premium, est 10 bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 153 jts. (6328')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 410 sxs Hibond mixed & 400 sxs thixotropic  
 CEMENT TOP AT:  
 LANDED AT: 6339'

**TUBING**

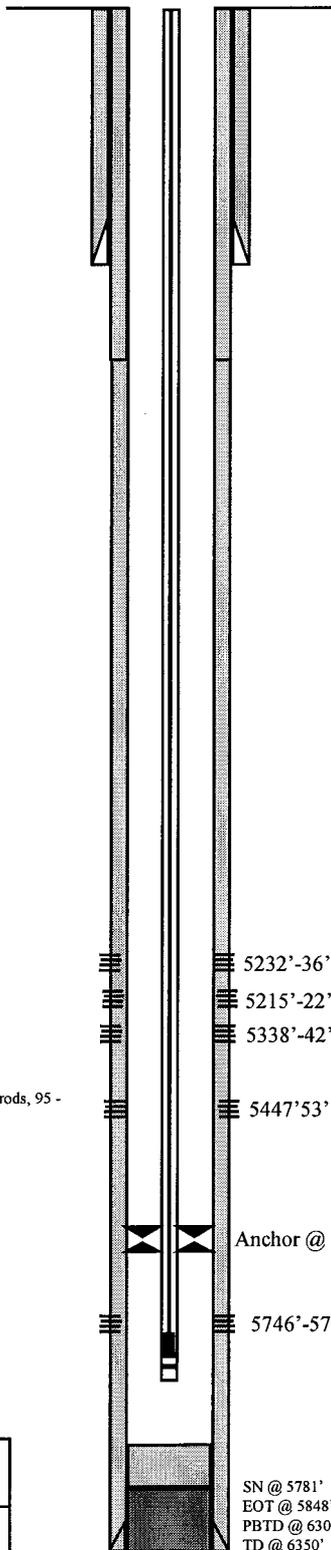
SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 183 jts  
 TUBING ANCHOR: 5715'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5781'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods, 4 - 3/4" scraped, 127 - 3/4" plain rods, 95 - 3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 66"  
 PUMP SPEED, SPM: 9 SPM  
 LOGS: HRI/SP/GR/CAL (6327'-301')  
 DSN/SDL/GR (6300'-3000')

**FRAC JOB**

- 2-12-98 6160'-61981' **Frac A sand as follows:**  
 121,300# 20/40 sand in 589 bbls of Delta. Breakdown @ 3380 psi, treated @ avg rate 28 bpm w/avg press of 1750 psi. ISIP-2145, 5 min 1802 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.
- 2-14-98 5338'-5453' **Frac D/BiCarb sand as follows:**  
 127,200# 20/40 sand in 599 bbls of Delta. Breakdown @ 2740 psi. Treated @ avg rate 32.6 bpm w/avg press of 1600 psi. ISIP-1972 psi. 5-min 1783 psi. Flowback on 12/64" ck for 3 hrs & died.
- 2-17-98 5215'-5236' **Frac D-1 sand as follows:**  
 121,300# 20/40 sand in 576 bbls Delta. Breakdown @ 2618 psi. Treated w/avg press of 1650 psi, w/avg rate of 26 BPM. ISIP-1869 psi, 5 min 1732 psi. Flowback on 12/64" ck for 5 hrs & died.



**PERFORATION RECORD**

Date	Interval	Number of Holes	Completion Type
2-11-98	5746'-5757'	44	JSPF
2-13-98	5338'-5342'	16	JSPF
2-13-98	5447'-5453'	24	JSPF
2-15-98	5215'-5222'	28	JSPF
2-15-98	5232'-5236'	24	JSPF

SN @ 5781'  
 EOT @ 5848'  
 PBTD @ 6300'  
 TD @ 6350'



**Inland Resources Inc.**

**Hawkeye #14-23**

660 FSL 1980 FWL  
 SESW Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31986; Lease #U-73088

# Hawkeye #10-23

Spud Date: 2/4/98  
 Put on Production: 3/2/98  
 GL: ?' KB: ?'

Initial Production: 67 BOPD,  
 182 MCFPD, 13 BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (6375')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 375 sxs Hibond mixed & 380 sxs thixotropic  
 CEMENT TOP AT:  
 LANDED AT: 6386'

**TUBING**

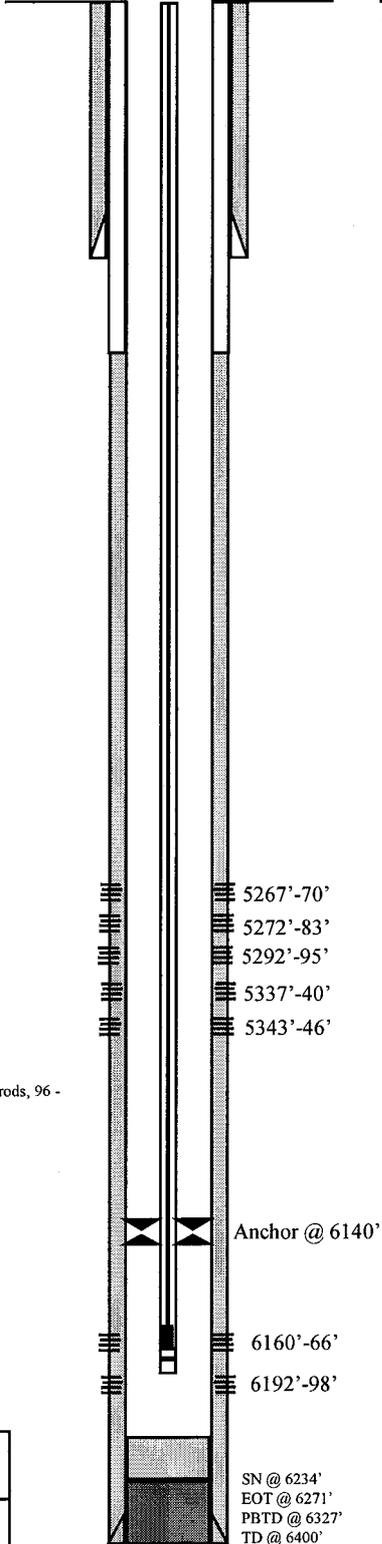
SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 197 jts  
 TUBING ANCHOR: 6140'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 6234'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods, 4 - 3/4" scraped, 145 - 3/4" plain rods, 96 - 3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 6.5 SPM  
 LOGS: DIGL/SP/GR/CAL (6392'-300')  
 DSN/SDL/GR (6365'-3000')

**FRAC JOB**

2-25-98 6160'-61981' Frac CP sand as follows:  
 111,400# 20/40 sand in 565 bbls of  
 Delta. Breakdown @ 3799 psi, treated  
 @ avg rate 32.5 bpm w/avg press of 2500  
 psi. Screened out.  
 2-27-98 5267'-5346' Frac D sand as follows:  
 122,400# 20/40 sand in 588 bbls of  
 Delta. Breakdown @ 2274 psi. Treated  
 @ avg rate 30.2 bpm w/avg press of 1500  
 psi. ISIP-1853 psi. 5-min 1708 psi.  
 Flowback on 12/64" ck. for 2 hrs & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
2/24/98	6160' - 6166'	4 JSPF	24 holes
2/24/98	6192' - 6198'	4 JSPF	24 holes
2/26/98	5267' - 5270'	4 JSPF	12 holes
2/26/98	5272' - 5283'	4 JSPF	44 holes
2/26/98	5292' - 5295'	4 JSPF	12 holes
2/26/98	5337' - 5340'	4 JSPF	12 holes
2/26/98	5343' - 5343'	4 JSPF	12 holes

SN @ 6234'  
 EOT @ 6271'  
 PBD @ 6327'  
 TD @ 6400'



**Inland Resources Inc.**

**Hawkeye #10-23**

1845 FEL 18350 FSL  
 NWSE Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31985; Lease #U-34346

# Hawkeye #9-23

Initial Production: ? BOPD,  
? MCFPD, ? BWPD

Wellbore Diagram

Spud Date: 1/26/98  
Put on Production: 3/4/98  
GL: 5453' KB:5465'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (292')  
DEPTH LANDED: 292' GL  
HOLE SIZE: 12 - 1/4"  
CEMENT DATA: 120 sxs Premium, est 6 bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148 jts. (6326')  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 460 sxs Hibond mixed & 413 sxs thixotropic  
CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 197 jts  
TUBING ANCHOR: 6143'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ?  
SN LANDED AT: 6208'

**SUCKER RODS**

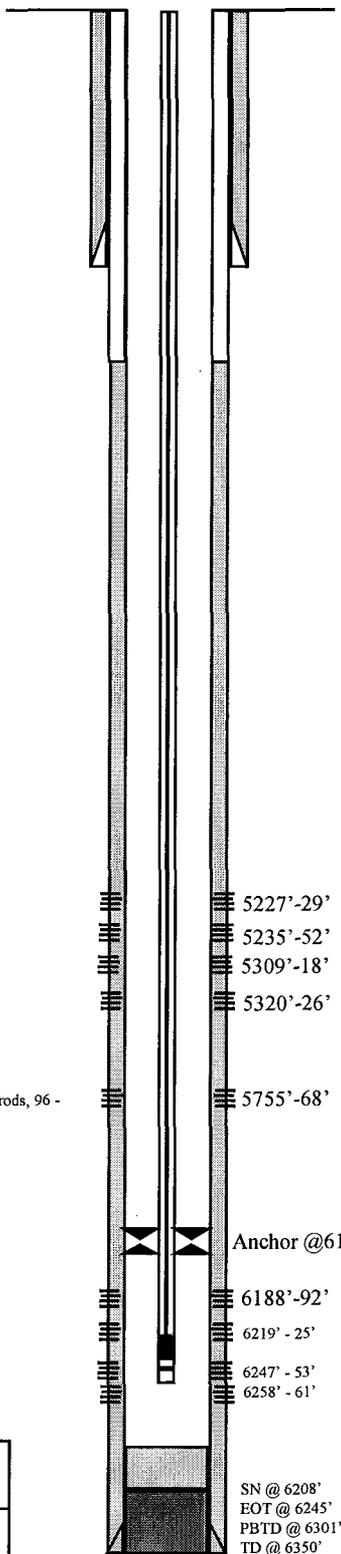
POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4-11/2" wt rods, 4 - 3/4" scraped, 143 - 3/4" plain rods, 96 - 3/4" scraped, 1-8", 1-6", 1-4", 1-2"x3/4" pony rods  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6.5 SPM  
LOGS: DIGL/SP/GR/CAL (6346'-304')  
DSN/SDL/GR (6322'-3000')

**FRAC JOB**

2-24-98 6188'-6261' Frac CP sand as follows:  
102,300# 20/40 sand in 518 bbls of Delta. Breakdown @ 2753 psi, treated @ avg rate 30.2 bpm w/avg press of 2600 psi. ISIP 3820 psi, 5-min 2707 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

2-26-98 5755'-5768' Frac A sand as follows:  
112,400# of 20/40 sand in 575 bbls of Delta. Breakdown @ 3370 psi. Treated @ avg rate 30.2 bpm w/avg press of 2200 psi. ISIP-2409 psi. 5-min 2098 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.

3-1-98 5227'-5326' Frac D sand as follows:  
122,400# of 20/40 sand in 583 bbls of Delta. Breakdown @ 1649 psi. Treated @ avg rate 30.7 bpm w/avg press of 2000 psi. ISIP-3356 psi. 5-min 2350 psi. Flowback on 12/64" ck for 1-1/2 hr & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
2/21/98	6258' - 6261'	4 JSPF	16 holes
2/21/98	6247' - 6253'	4 JSPF	24 holes
2/21/98	6219' - 6225'	4 JSPF	24 holes
2/21/98	6188' - 6192'	4 JSPF	16 holes
2/26/98	5755' - 5768'	4 JSPF	12 holes
2/28/98	5320' - 5326'	4 JSPF	24 holes
2/28/98	5309' - 5318'	4 JSPF	36 holes
2/28/98	5235' - 5252'	4 JSPF	68 holes
2/28/98	5227' - 5229'	4 JSPF	8 holes



**Inland Resources Inc.**

**Hawkeye #9-23**

1980 FSL 660 FEL  
NESE Section 23-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31984; Lease #U-34346

# Monument Butte Federal #1-26

Spud Date: 4/15/97  
 Put on Production: 5/9/97  
 GL: 5470' KB: 5483'

Initial Production: 46 BOPD,  
 60 MCFPD, 14 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 291.82'(7 jts.)  
 DEPTH LANDED: 290.48' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, w/6 bbls cmt to surface.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 150 jts. (6316.32')  
 DEPTH LANDED: 6315'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 600 sk Hibond mixed & 560 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 206 jts  
 TUBING ANCHOR: 5014'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5294'  
 SN LANDED AT: 5200'

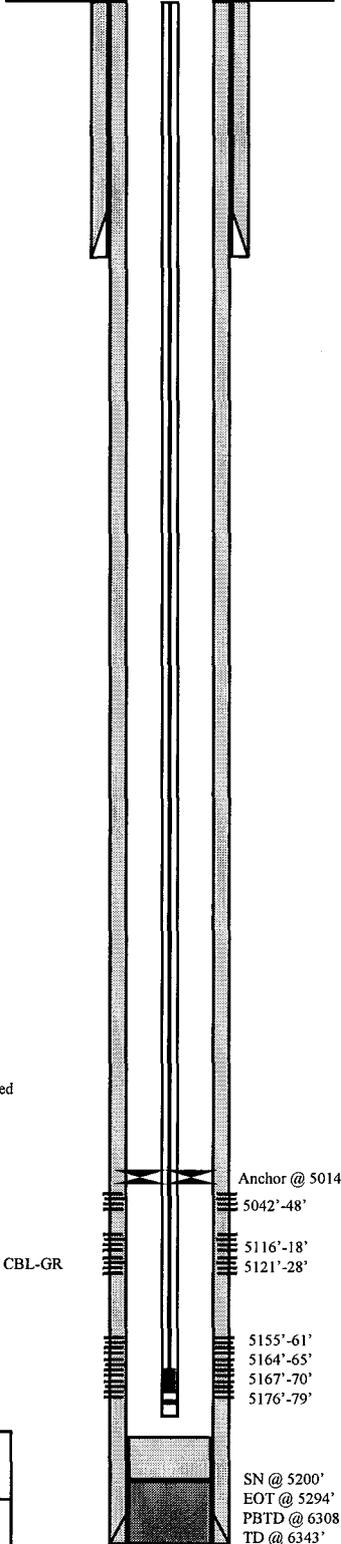
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1" scraped, 105-3/4" plain rods, 98-3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5-1/2 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/5/97 5116'-5179' **Frac D-1 & D-S3 sands as follows:**  
 91,600# of 20/40 sand in 479 bbls of Boragel. Perfs broke @ 2227 psi. Treated @ avg rate of 31 bpm w/avg press of 1550 psi. ISIP: 2010 psi, 5-min 1940 psi. Flowback on 12/64" ck for 3-1/2 hours and died.

5/7/97 5042'-5048' **Frac D-S1 sand as follows:**  
 82,600# of 20/40 sand in 466 bbls of Boragel. Perfs broke @ 2302 psi. Treated @ avg rate of 24.9 bpm w/avg press of 2300 psi. ISIP-2661, 5-min 2509 psi. Flowback on 12/64" ck for 3-1/2 hours and died..



**PERFORATION RECORD**

5/2/97	5176'-5179'	4 JSPF	12 holes
5/2/97	5167'-5170'	4 JSPF	12 holes
5/2/97	5164'-5165'	4 JSPF	4 holes
5/2/97	5155'-5161'	4 JSPF	24 holes
5/2/97	5121'-5128'	4 JSPF	28 holes
5/2/97	5116'-5118'	4 JSPF	8 holes
5/6/97	5042'-5048'	4 JSPF	24 holes



**Inland Resources Inc.**

**Monument Butte Federal #1-26**

660 FNL 660 FEL  
 NENE Section 26-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31767; Lease #U-73088

# Monument Butte Federal #2-26

Spud Date: 4/25/97  
 Put on Production: 5/31/97  
 GL: 5489' KB: 5501'

Initial Production: 44 BOPD,  
 95 MCFPD, 26 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 290.17'(7 jts.)  
 DEPTH LANDED: 289.25' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, w/16 bbls cmt to surface.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6263.59')  
 DEPTH LANDED: 6301.84'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 465 sk Hibond mixed & 405 sxs thixotropic  
 CEMENT TOP AT: 785' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 202 jts  
 TUBING ANCHOR: 5998'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 6162'  
 SN LANDED AT: 6093'

**SUCKER RODS**

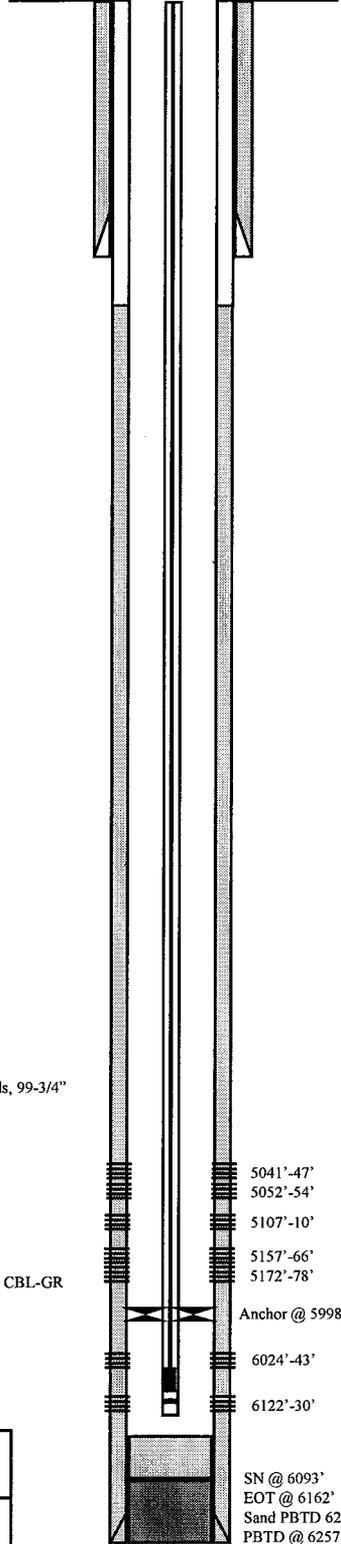
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1" scraped, 5-7/8" plain rods, 135-3/4" plain rods, 99-3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 6-1/2 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

5/21/97 6024'-6130' **Frac LODC & CP-1 sands as follows:**  
 150,100# of 20/40 sand in 745 bbls of Boragel. Perfs broke @ 339 psi. Treated @ avg rate of 35.5 bpm w/avg press of 2450 psi. ISIP-3491 psi, 5-min 2538 psi. Flowback on 12/64" ck for 5 hours and died.

5/23/97 5157'-5178' **Frac D-1 sand as follows:**  
 117,500# of 20/40 sand in 557 bbls of Boragel. Perfs broke @ 1871 psi. Treated @ avg rate of 28.5 bpm w/avg press of 1500 psi. ISIP-1982 psi, 5-min 1670 psi. Flowback on 12/64" ck for 3-1/2 hours and died.

5/27/97 5041'-5110' **Frac D-S1 & D-S3 sands as follows:**  
 53,000# of 20/40 sand in 278 bbls of Boragel. Perfs broke @ 2309 psi. Treated @ avg rate of 21 bpm w/avg press of 3000 psi. Screened out w/10 # sand in perfs, 536 gal left to flush. ISIP- 3875 psi, 5-min 2826 psi. Flowback on 12/64" ck for 2 hours and died.



**PERFORATION RECORD**

5/20/97	6024'-6043'	4 JSPF	76 holes
5/20/97	6122'-6130'	4 JSPF	32 holes
5/22/97	5157'-5166'	4 JSPF	36 holes
5/22/97	5172'-5178'	4 JSPF	24 holes
5/24/97	5041'-5047'	4 JSPF	24 holes
5/24/97	5052'-5054'	4 JSPF	8 holes
5/24/97	5107'-5110'	4 JSPF	12 holes



**Inland Resources Inc.**

**Monument Butte Federal #2-26**

660 FNL 1980 FEL  
 NWNE Section 26-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31768; Lease #U-73088

# Monument Butte Federal #3-26

Spud Date: 3/27/97  
 Put on Production: 9/13/97  
 GL: 5505' KB: 5518'

Initial Production: 61 BOPD,  
 58 MCFPD, 29 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (292.59')  
 DEPTH LANDED: 290.49' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 150 jts. (6335')  
 DEPTH LANDED: 6327' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sxs Hibond mixed & 480 sxs thixotropic  
 CEMENT TOP AT: 1456' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
 NO. OF JOINTS: 195 jts  
 TUBING ANCHOR: 6049'  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 6211')  
 SN LANDED AT: 6144'

**SUCKER RODS**

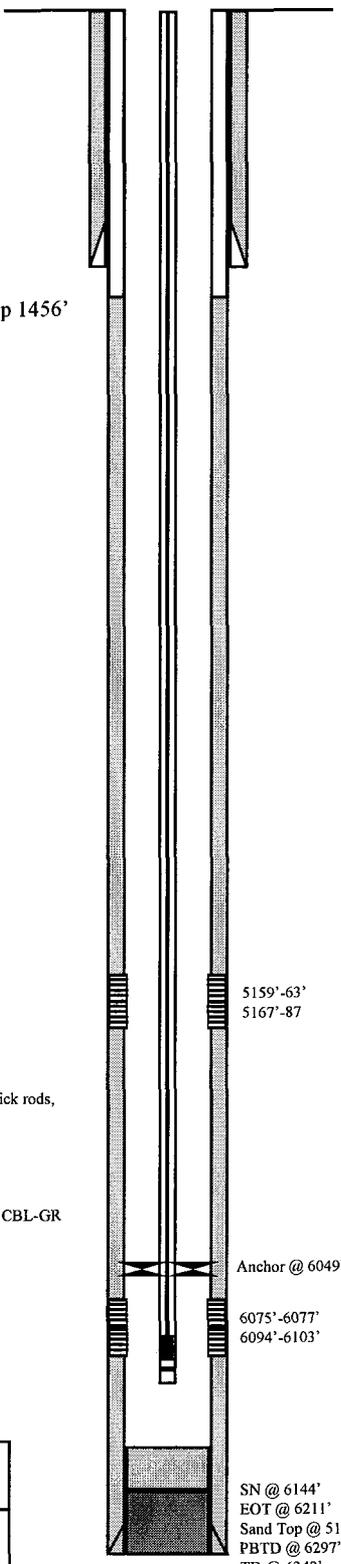
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 93-3/4" scraped, 4-1-1/2" guided rods, 143-3/4" slick rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC rod pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 9 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

9/7/97 6075'-6103' **Frac CP sand as follows:**  
 96,700# of 20/40 sand in 554 bbls of Boragel. Breakdown @ 2892psi.  
 Treated @ avg rate of 26 bpm w/avg press of 2000 psi. ISIP-2831 psi, 5-min 2470 psi. Flowback on 12/64" ck for 3 hours and died.

9/10/97 5159'-5187' **Frac D sand as follows:**  
 100,800# of 20/40 sand in 499 bbls of Boragel. Breakdown @ 2098psi.  
 Treated @ avg rate of 28.5 bpm w/avg press of 1750 psi. ISIP-2160 psi, 5-min 2103 psi. Flowback on 12/64" ck for 3 1/2 hours and died.

Cement Top 1456'



**PERFORATION RECORD**

9/9/97	6075'-6077'	4 JSPF	NA holes
9/9/97	6094'-6103'	4 JSPF	NA holes
9/10/97	5159'-5163'	4 JSPF	NA holes
9/10/97	5167'-5187'	4 JSPF	NA holes

5159'-63'  
 5167'-87'

Anchor @ 6049'

6075'-6077'  
 6094'-6103'

SN @ 6144'  
 EOT @ 6211'  
 Sand Top @ 5159'  
 PBTD @ 6297'  
 TD @ 6348'



**Inland Resources Inc.**

**Monument Butte Federal #3-26**

660 FNL 1980 FWL  
 NENE Section 26-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31769; Lease #U-73088

# Monument Butte Federal NE #7-26

Spud Date: 3/22/97  
 Put on production: 4/10/97  
 GL: 5493' KB: 5506'

## Wellbore Diagram

Initial Production: 159 BOPD,  
 189 MCFPD, 11 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 291.93'(7 jts.)  
 DEPTH LANDED: 290.43' GL-  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium cmt.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 150 jts. (6350.25')  
 DEPTH LANDED: 6348'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 385 sk Hibond mixed & 395 sxs thixotropic  
 CEMENT TOP AT: 197' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 173 jts  
 TUBING ANCHOR: 5404'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5596'  
 SN LANDED AT: 5501'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1" scraped, 110-3/4" plain rods, 101-3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

### FRAC JOB

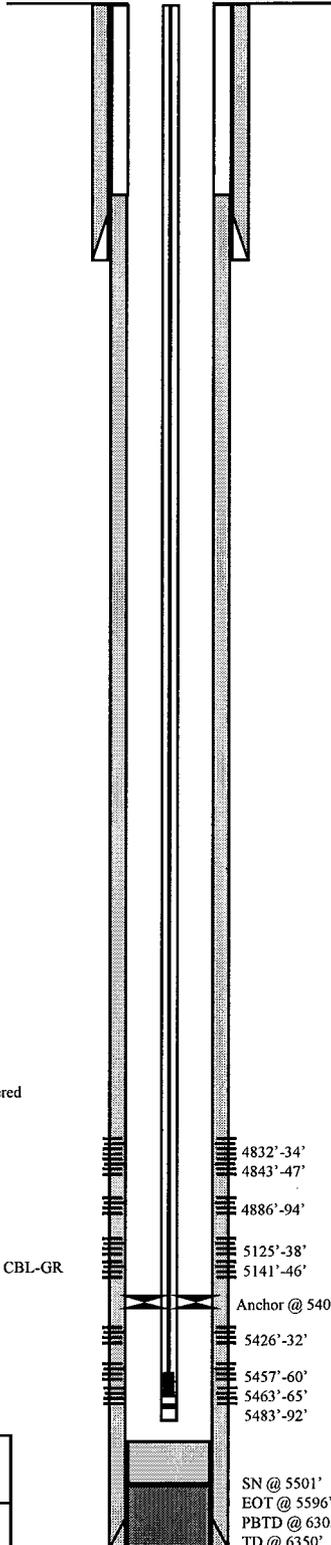
4/2/97 5426'-5492' **Frac B-1 & B-2 sands as follows:**  
 97,200# of 20/40 sand in 497 bbls of Boragel. Perfs broke @ 3446 psi. Treated @ avg rate of 26.5 bpm w/avg press of 1950 psi. ISIP-2090 psi, 5-min 1936 psi. Flowback on 12/64" ck for 4-1/2 hours and died.

4/4/97 5125'-5146' **Frac D-1 sand as follows:**  
 101,300# of 20/40 sand in 495 bbls of Boragel. Perfs broke @ 2006 psi. Treated @ avg rate of 25 bpm w/avg press of 1820 psi. ISIP-2280, 5-min 2201. Flowback on 12/64" ck for 2-1/2 hours and died.

4/7/97 4832'-4894' **Frac PB-10 & PB-11 sands as follows:**  
 91,500# of 20/40 sand in 492 bbls of Boragel. Perfs broke @ 2138 psi. Treated at avg rate of 24.5 bpm w/avg press of 2400 psi. ISIP-2739 psi, 5-min 2548 psi. Flowback on 12/64" ck for 5 hours and died.

### PERFORATION RECORD

4/1/97	5426'-5432'	4 JSPF	24 holes
4/1/97	5457'-5460'	4 JSPF	12 holes
4/1/97	5463'-5465'	4 JSPF	8 holes
4/1/97	5483'-5492'	4 JSPF	36 holes
4/3/97	5125'-5138'	4 JSPF	52 holes
4/3/97	5141'-5146'	4 JSPF	20 holes
4/5/97	4832'-4834'	4 JSPF	8 holes
4/5/97	4843'-4847'	4 JSPF	16 holes
4/5/97	4886'-4894'	4 JSPF	32 holes



SN @ 5501'  
 EOT @ 5596'  
 PBTD @ 6305'  
 TD @ 6350'



**Inland Resources Inc.**

**Monument Butte Federal NE #7-26**

1984 FEL 1984 FNL  
 SWNE Section 26-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31754; Lease #U-73088

# Monument Butte Federal #13-24

Spud Date: 9/9/96  
 Put on Production: 10/3/96  
 GL: 5445' KB: 5458'

Initial Production: 295 BOPD,  
 315 MCFPD, 6 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts. (291.75')  
 DEPTH LANDED: 290.65' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 8 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts. (6308.80')  
 DEPTH LANDED: 6298.80' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 455 sk HiBond mixed & 390 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.  
 NO. OF JOINTS: 193 jts.  
 TUBING ANCHOR: 5103'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5354'  
 SN LANDED AT: 5135'

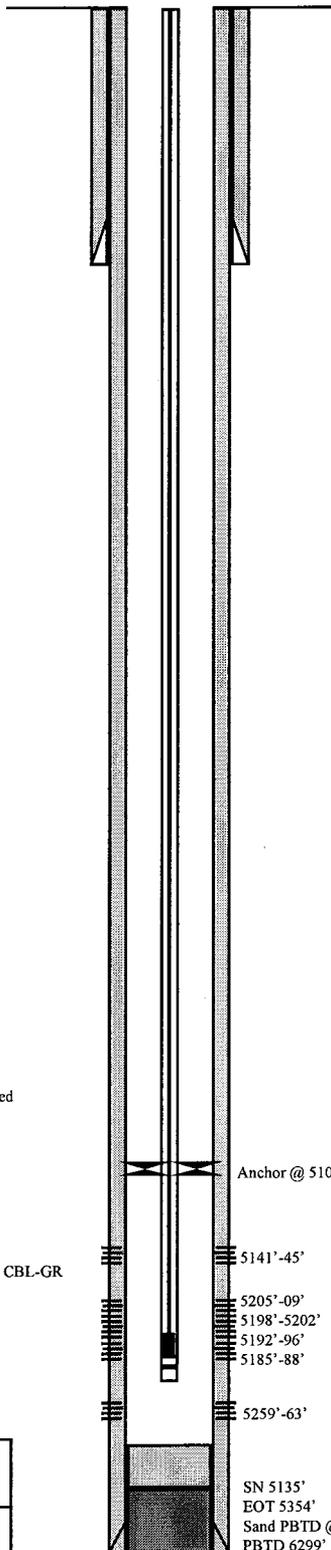
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 8-1" scraped, 97-3/4" plain rods, 100-3/4" scraped  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 1-1/2" THD pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

9/30/96 5141'-5263'

**Frac D-1 and D-2 sands as follows:**  
 112,600# of 20/40 sand in 579 bbls of  
 Boragel. Breakdown @ 1228 psi. Treated  
 @ avg rate of 30.5 bpm w/avg press of  
 1500 psi. ISIP-1830 psi, 5-min 1752 psi.  
 Flowback on 12/64" ck for 3 hours and  
 died.



**PERFORATION RECORD**

9/28/96	5141'-5145'	4 JSPF	16 holes
9/28/96	5185'-5188'	4 JSPF	12 holes
9/28/96	5192'-5196'	4 JSPF	16 holes
9/28/96	5198'-5202'	4 JSPF	16 holes
9/28/96	5205'-5209'	4 JSPF	16 holes
9/28/96	5259'-5263'	4 JSPF	16 holes



**Inland Resources Inc.**

**Monument Butte Federal #13-24**

660 FWL 660 FSL  
 SWSW Section 24-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31630; Lease #U-67170

SN 5135'  
 EOT 5354'  
 Sand PBTD @ 5715'  
 PBTD 6299'  
 TD @ 6300'

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

Attachment F

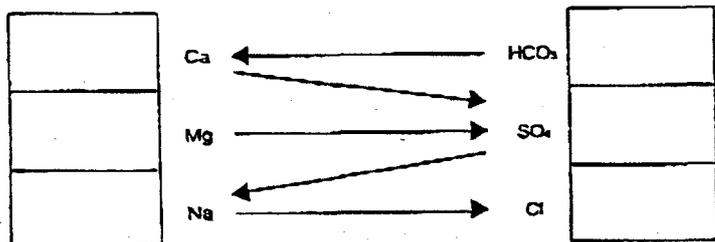
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 01-14-98  
 Source Johnson Water  
FRESH WATER Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	÷ 30 <u>0</u>
6. Bicarbonate (HCO <sub>3</sub> )		<u>300</u>	÷ 61 <u>5</u>
7. Hydroxyl (OH)		<u>0</u>	÷ 17 <u>0</u>
8. Chlorides (Cl)		<u>35</u>	÷ 35.5 <u>1</u>
9. Sulfates (SO <sub>4</sub> )		<u>110</u>	÷ 48 <u>2</u>
10. Calcium (Ca)		<u>44</u>	÷ 20 <u>2</u>
11. Magnesium (Mg)		<u>22</u>	÷ 12.2 <u>2</u>
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. 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>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>2</u>		<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00		<u>1</u>		<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03		<u>2</u>		<u>142</u>
NaCl	58.46		<u>1</u>		<u>59</u>

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

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5066  
Fax (435) 722-5727

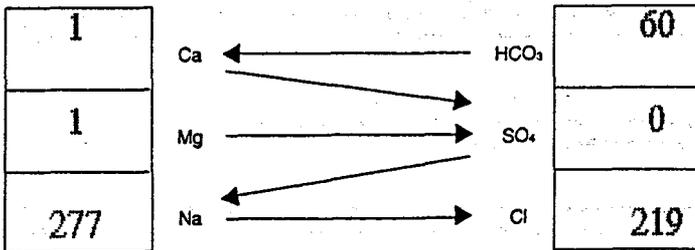
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 04-23-98  
Source MBF 15-23 Date Sampled 04-21-98 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.3</u>		
2. H <sub>2</sub> S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.015</u>		
4. Dissolved Solids		<u>17,832</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>240</u>	÷ 30 <u>8</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>3,200</u>	÷ 61 <u>52</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>7,800</u>	÷ 35.5 <u>219</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>24</u>	÷ 20 <u>1</u> Ca
11. Magnesium (Mg)		<u>8</u>	÷ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>43</u>	
13. Total Iron (Fe)		<u>0.4</u>	
14. Manganese			
15. 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>1</u>		<u>81</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>1</u>		<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00		<u>58</u>		<u>4,872</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46		<u>219</u>		<u>12,803</u>

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

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

04-28-98

WATER DESCRIPTION:	JOHNSON WATER	MBF 15-23
P-ALK AS PPM CaCO3	0	401
M-ALK AS PPM CaCO3	492	5248
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	60
MAGNESIUM AS PPM CaCO3	90	33
SODIUM AS PPM Na	92	6371
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	17832
TEMP (DEG-F)	150	150
SYSTEM pH	7	9.3

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND MBF 15-23  
 CONDITIONS: TEMP.=150 AND pH=8.2  
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.48	36	0	0	0
90	1.69	35	0	0	0
80	1.79	34	0	0	0
70	1.84	32	0	0	0
60	1.86	31	0	0	0
50	1.85	29	0	0	0
40	1.84	27	0	0	0
30	1.81	25	0	0	0
20	1.80	24	0	0	0
10	1.77	22	0	0	0
0	1.75	20	0	0	0

**Attachment G**

**Monument Butte Federal NE #15-23  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
6026	6138	6082	3899	1.07	3826
5158	5228	5193	1871	0.79	1830
4560	4569	4565	2150	0.90	2120
<b>Minimum</b>					<u>1830</u>



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

Frac Gradient is obtained from the service company's frac summary report.



**DAILY COMPLETION REPORT**

**WELL NAME** Monument Butte Fed NE 15-23 **Report Date** 10/4/97 **Completion Day** 3  
**Present Operation** Perf D sand. **Rig** Basin #4

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 310' **KB** Liner @ Prod Csg 5-1/2 @ 6246 **Csg PBD** 6199  
**Tbg:** **Size** 2-7/8 **Wt** 6.5 **Grd** M-50 **Pkr/EOT** @ 1283 **BP/Sand PBD:** 5652

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	6026-6050'	4/96			
CP	6125-29'	4/16			
CP	6132-38'	4/24			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 10/3/97 **SITP:** 0 **SICP** 0

IFL @ 5900'. Made 1 swb run, rec 1 BTF w/tr oil. FFL @ 6000'. TOH w/tbg. NU isolation tool. RU Halliburton & frac LDC/CP sands w/92,400# 20/40 sd in 387 bbls Boragel. Perfs broke dn @ 2760 psi. Treated @ ave press of 2175 psi w/ave rate of 32 BPM. Screened out w/4301 gel left to flush & 9.7# sd on perfs. 59,200# sd in perfs, 32,200# sd left in csg. ISIP: 3899 psi, 5 min: 3775 psi. Flowback @ 1 BPM until dead. Rec 60 bbls heavy sand laden fluid (est 8% of load). TIH w/NC & tbg. Circ out frac fluid & sd to 5652'. Hit solid sand. Circ hole clean. TOH w/tbg to 1283'. SIFN w/est 326 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>387</u>	<b>Starting oil rec to date</b>	<u>0</u>
<b>Fluid lost/recovered today</b>	<u>61</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>326</u>	<b>Cum oil recovered</b>	<u>0</u>
<b>IFL</b> <u>5900</u> <b>FFL</b> <u>6000</u> <b>FTP</b>		<b>Choke</b> <u>1 BPM</u> <b>Final Fluid Rate</b>	<b>Final oil cut</b> <u>Tr</u>

**STIMULATION DETAIL**

**Base Fluid used:** Boragel **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:** \_\_\_\_\_  
2977 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
6034 gal w/6-8 ppg of 20/40 sd  
3616 gal w/8-10 ppg of 20/40 sd  
1224 gal w/10-12 ppg of 20/40 sd  
 Flush w/1387 gal of 10# Linear gel. Screened out w/4301 gal left to flush. 59,200# sd in perfs, 33,200# sd/csg.  
**Max TP** 3899 **Max Rate** 34.4 **Total fluid pmpd:** 387 bbls  
**Avg TP** 2175 **Avg Rate** 32 **Total Prop pmpd:** 92,400#  
**ISIP** 3899 **5 min** 3775 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz

**COSTS**

<b>Basin-rig</b>	<u>1,847</u>
<b>BOP</b>	<u>140</u>
<b>Tanks</b>	<u>45</u>
<b>Wtr</b>	<u>900</u>
<b>Frac</b>	<u>19,960</u>
<b>KCL Sub</b>	<u>100</u>
<b>IPC Supervision</b>	<u>300</u>
<b>DAILY COST:</b>	<u>\$23,292</u>
<b>TOTAL WELL COST:</b>	<u>\$206,320</u>



**DAILY COMPLETION REPORT**

**WELL NAME** Monument Butte Fed NE 15-23 **Report Date** 10/7/97 **Completion Day** 5  
**Present Operation** Perf GB sands. **Rig** Basin #4

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 310' KB **Liner**          **@**          **Prod Csg** 5-1/2 @ 6246 **Csg PBD** 6199  
**Tbg:** **Size** 2-7/8 **Wt** 6.5 **Grd** M-50 **Pkr/EOT @**          **BP/Sand PBD:** 5471

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D	5158-64'	4/24	CP	6125-29'	4/16
D	5201-06'	4/20	CP	6132-38'	4/24
D	5208-28'	4/80			
LDC	6026-6050'	4/96			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 10/6/97 **SITP:** 0 **SICP** 200

IFL @ 3800'. Made 6 swab runs, rec 26 BTF w/tr oil. FFL @ 5100'. TOH w/tbg. NU isolation tool. RU Halliburton & frac D sands w/92,300# 20/40 sd in 472 bbl Boragel. Perfs broke dn @ 2168 psi. Treated @ ave press of 1265 psi w/ave rate of 30.1 bpm. ISIP: 1871 psi, 5 min: 1796 psi. Flowback on 12/64" choke for 2-1/2 hrs & died. Rec 115 BTF (est 24% of load). SIFN w/est 539 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b> <u>208</u>	<b>Starting oil rec to date</b> <u>0</u>
<b>Fluid (lost) recovered today</b> <u>331</u>	<b>Oil lost/recovered today</b> <u>0</u>
<b>Ending fluid to be recovered</b> <u>539</u>	<b>Cum oil recovered</b> <u>0</u>
<b>IFL</b> <u>3800</u> <b>FFL</b> <u>5100</u> <b>FTP</b> <u>        </u>	<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> <u>        </u> <b>Final oil cut</b> <u>Tr.</u>

**STIMULATION DETAIL**

**Base Fluid used:** Boragel **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:**           
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
6000 gal w/6-8 ppg of 20/40 sd  
4000 gal w/8-10 ppg of 20/40 sd  
755 gal w/10-12 ppg of 20/40 sd  
Flush w/5072 gal of 10# Linear gel.

**COSTS**

<u>Basin-rig</u>	<u>864</u>
<u>BOP</u>	<u>140</u>
<u>Tanks</u>	<u>45</u>
<u>Wtr</u>	<u>500</u>
<u>Frac</u>	<u>19,736</u>
<u>Flowback - super</u>	<u>150</u>
<u>IPC Supervision</u>	<u>200</u>

**Max TP** 2335 **Max Rate** 31.3 **Total fluid pmpd:** 472 bbls  
**Avg TP** 1265 **Avg Rate** 30.1 **Total Prop pmpd:** 92,300#  
**ISIP** 1871 **5 min** 1796 **10 min**          **15 min**           
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$21,635  
**TOTAL WELL COST:** \$233,794



**DAILY COMPLETION REPORT**

**WELL NAME** Monument Butte Fed NE 15-23 **Report Date** 10/9/97 **Completion Day** 7  
**Present Operation** Pull plugs. **Rig** Basin #4

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 310' **KB** **Liner** \_\_\_\_\_ @ \_\_\_\_\_ **Prod Csg** 5-1/2 @ 6246 **Csg PBTD** 6199  
**Tbg:** **Size** 2-7/8 **Wt** 6.5 **Grd** M-50 **Pkr/EOT** @ \_\_\_\_\_ **BP/Sand PBTD:** 5066

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB</u>	<u>4560-69'</u>	<u>4/36</u>	<u>LDC</u>	<u>6026-6050'</u>	<u>4/96</u>
<u>D</u>	<u>5158-64'</u>	<u>4/24</u>	<u>CP</u>	<u>6125-29'</u>	<u>4/16</u>
<u>D</u>	<u>5201-06'</u>	<u>4/20</u>	<u>CP</u>	<u>6132-38'</u>	<u>4/24</u>
<u>D</u>	<u>5208-28'</u>	<u>4/80</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 10/8/97 **SITP:** 0 **SICP:** 0

IFL @ 4450'. Made 1 swab run, rec 3 BW. FFL @ 4550'. TOH w/tbg. NU isolation tool. RU Halliburton & frac GB sands w/85,300# 20/40 sd in 422 bbls Boragel. Perfs broke dn @ 1720 psi. Treated @ ave press of 2345 psi w/ave rate of 23.8 BPM. ISIP: 2150 psi, 5 min: 2090 psi. Flowback on 12/64" choke for 4 hrs & died. Rec 202 BTF (est 48% of load). SIFN w/est 661 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b> <u>444</u>	<b>Starting oil rec to date</b> <u>0</u>
<b>Fluid lost/recovered today</b> <u>217</u>	<b>Oil lost/recovered today</b> <u>0</u>
<b>Ending fluid to be recovered</b> <u>661</u>	<b>Cum oil recovered</b> <u>0</u>
<b>IFL</b> <u>4450</u> <b>FFL</b> <u>4550</u> <b>FTP</b> _____	<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> _____ <b>Final oil cut</b> <u>0</u>

**STIMULATION DETAIL**

**Base Fluid used:** Boragel **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:** \_\_\_\_\_  
2500 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
4000 gal w/6-8 ppg of 20/40 sd  
5716 gal w/8-10 ppg of 20/40 sd  
Flush w/4491 gal of 10# Linear gel

**COSTS**

<u>Basin-rig</u>	<u>709</u>
<u>BOP</u>	<u>140</u>
<u>Tanks</u>	<u>45</u>
<u>Wtr (incl disp)</u>	<u>700</u>
<u>Frac</u>	<u>19,192</u>
<u>Flowback - super</u>	<u>150</u>
<u>IPC Supervision</u>	<u>200</u>

**Max TP** 2650 **Max Rate** 26.1 **Total fluid pmpd:** 422 bbls  
**Avg TP** 2345 **Avg Rate** 23.8 **Total Prop pmpd:** 85,300#  
**ISIP** 2150 **5 min** 2090 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$21,136  
**TOTAL WELL COST:** \$259,322

**ATTACHMENT H**

**WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. **Plug #1** Set 262' plug from 5926'-6188' with 30 sxs Class "G" cement.
2. **Plug #2** Set 220' plug from 5058'-5278' with 30 sxs Class "G" cement.
3. **Plug #3** Set 159' plug from 4460'-4619' with 30 sxs Class "G" cement.
4. **Plug #4** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
5. **Plug #5** Set 100' plug from 248'-348' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. **Plug #6** Set 50' plug from surface with 10 sxs Class "G" cement.
7. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 298' to surface.

**The approximate cost to plug and abandon this well is \$18,000.**

# Monument Butte Federal NE #15-23

Spud Date: 9/12/97  
 Put on Production: 10/15/97  
 GL: 1319' KB: 1332'

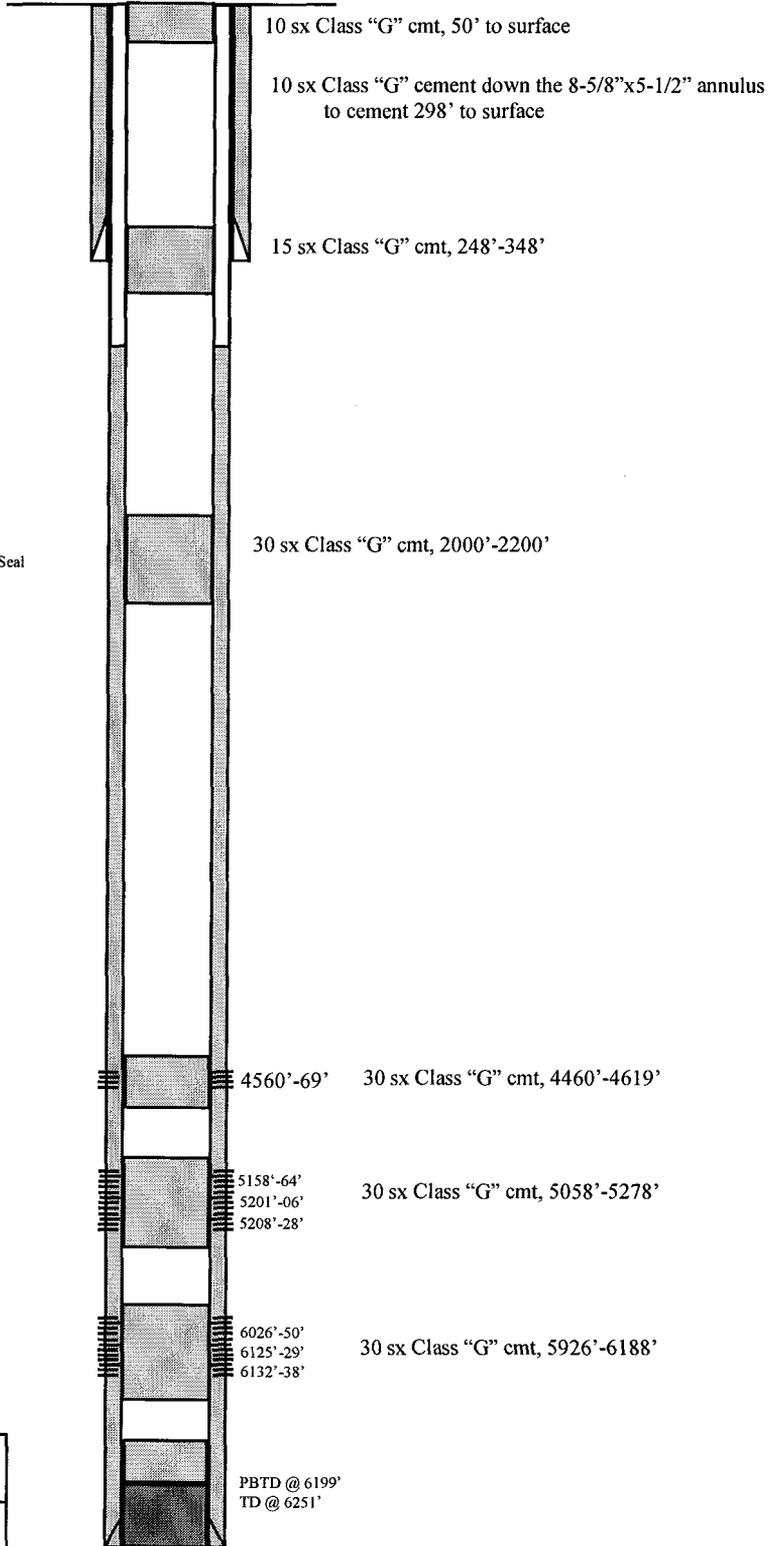
**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts  
 DEPTH LANDED: 6246'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sk Hibond mixed & 410 sxs Thixo w/ 10% CalSeal  
 CEMENT TOP AT: 1260' per CBL

Proposed P&A  
 Wellbore Diagram





**Inland Resources Inc.**

**Monument Butte Federal NE #15-23**

660 FSL 1980 FEL  
 SWSE Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31801; Lease #U-34346

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. H 5160

ADDRESS \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	12214	12187	43-013-31904	N MON BUTTE FED 9-27	NESE	27	8S	16E	DUCHESNE	8-22-97	9-24-97
WELL 1 COMMENTS: <b>*BOTH WELLS ARE WITHIN THE HAWKEYE (GR) UNIT AND SHOULD HAVE BEEN ASSIGNED ENTITY 12187; WELLS WERE PERMITTED UNDER GENERAL ST SPACING INSTEAD OF HAWKEYE (GR) UNIT IN ERROR. CORRECTION HAS NOW BEEN MADE AND UNIT STATUS IS CONFIRMED. OPERATOR NOTIFIED.</b>											
C	12243	12187	43-013-31801	MBFNE 15-23	SWSE	23	8S	16E	DUCHESNE	9-12-97	10-15-97
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

Title

1-27-98

Date

Phone No. ( )



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

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

Michael O. Leavitt  
Governor  
Lowell P. Braxton  
Division Director

September 9, 1998

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

Re: Hawkeye Unit Wells: Monument Butte Federal NE 15-23 and Hawkeye 9-23, Section 23, Township 8 South, Range 16 East, Duchesne County, Utah

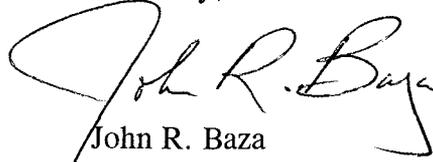
Gentlemen:

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

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

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

Sincerely,



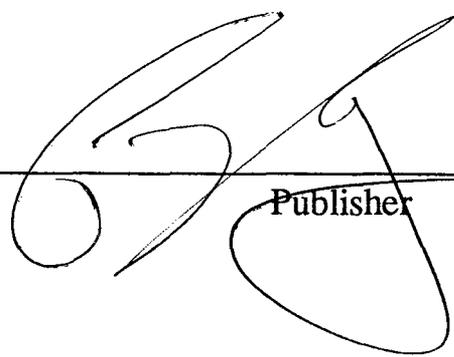
John R. Baza  
Associate Director, Oil and Gas

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

# AFFIDAVIT OF PUBLICATION

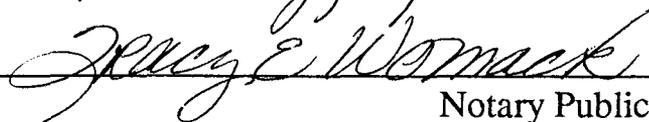
County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 21 day of July, 1998, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of July, 1998.

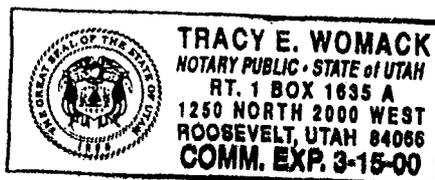


Publisher

Subscribed and sworn to before me this  
28 day of July, 1998



Notary Public



## NOTICE OF AGENCY ACTION

CAUSE NO. UIC-220  
IN THE MATTER OF  
THE APPLICATION OF  
INLAND PRODUCTION  
COMPANY FOR AD-  
MINISTRATIVE AP-  
PROVAL OF THE  
MONUMENT BUTTE  
FEDERAL NE 15-23 &  
HAWKEYE 9-23 WELLS  
LOCATED IN SECTION  
23, TOWNSHIP 8  
SOUTH, RANGE 16  
EAST, S.L.M.,  
DUCESNE COUNTY,  
UTAH, AS CLASS II IN-  
JECTION WELLS  
THE STATE OF  
UTAH TO ALL PER-  
SONS INTERESTED IN  
THE ABOVE ENTITLED  
MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Butte Federal NE 15-23 & Hawkeye 9-23 wells, located in Section 23, Township 8 South, Range 16 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

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

Dated this 10th day of July, 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS &  
MINING

John R. Baza, Associate  
Director

Published in the Uintah  
Basin Standard July 21,  
1998.

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Wells:**MBFNE 15-23 and 9-23

**Location:** Hawkeye Unit 23/8S/16E

**API:** 43-013-31801 and  
43-013-31984

**Ownership Issues:** The proposed wells are located on land administered by the BLM. All lands in the one-half mile radius of the wells are Federal Lands. Inland is the operator of all wells in the one-half mile radius and is the unit operator. Mineral leases are held by various individuals. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed wells have surface casing set at approximately 300 feet and are cemented to surface. A 5 ½ inch production casing was set at approximately 6300 feet. Cement tops as verified by cement bond log show cement to a minimum depth of 1000 feet. The bond log shows excellent bond well above the injection zone, then an adequate bond to the reported top. High lift cement was used as the lead cement, followed by a class G which isolates the injection zone. A 2 7/8 inch tubing with a packer will be set 50 feet above the uppermost perforation. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells and 1 injection well in the area of review for the 9-23 well and 7 producing and 2 injection wells in the area of review for the 15-23 well. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 1300 feet to 2000 feet. Some water zones may be encountered down through 300 feet. These zone are generally discontinuous, low yielding and not subject to direct recharge. The surface casing , production casing and cement should adequately isolate all water zones. Injection shall be limited to the interval between 5227 feet and 6261 feet. in the Green River Formation for the 9-23 well. Information submitted by Inland indicates that the fracture gradient for the 9-23 well is .85 psi/ft. which was the lowest reported fracture gradient for the injection zone. The resulting fracture pressure is 2387 psig. The requested maximum pressure was 2387 psi., the anticipated average injection pressure is 1500 psig. Injection shall be limited to the interval between 4560 and 6138 feet

in the 15-23 well. The reported fracture gradient is .79 psi/ft. The resulting fracture pressure is 1830 psig. The requested maximum pressure was 1830. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Water analysis submitted by Inland indicate that the water in formation is approximately 20,000 mg/L. The zone is not considered an USDW. Makeup water for the flood is purchased from Johnson Water Company and has a TDS content of approximately 900 mg/L. Any ground water present should be adequately protected.

**Oil/Gas& Other Mineral Resources Protection:** Previous reviews indicate that all other interests have been protected.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. BLM approval of the action is necessary. A pressure test will be required prior to injection. After the 15 day notice period is up and if no objections are received, it is recommended that administrative approval be granted.

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

Reviewer(s): D.Jarvis Date: 7-22-98

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

Newspaper Agency Corporation  
 The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL GAS & MAINING 1594 WEST NORTH TEMPLE, SUITE 1210, BX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	07/16/98

ACCOUNT NAME	
DIV OF OIL GAS & MAINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL7D8201281
SCHEDULE	
START 07/16/98 END 07/16/98	
CUST. REF. NO.	
UIC-220	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
74 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	121.36
TOTAL COST	
121.36	

NOTICE OF AGENCY ACTION CAUSE NO. UIC-220 BEFORE THE DIVISION OF OIL GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE OIL AND GAS RIGHTS TO BE LOCATED IN SECTION 27, TOWNSHIP SOUTH RANGE EAST S1E, DUCHESNE COUNTY, UTAH CLASS II INJECTION WELLS

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Units, hereinafter referred to as "the Units," located in Duchesne County, Utah, as shown on the attached map.

Interested parties must file a written protest or notice of intervention with the Division within the time specified in the attached notice of public hearing.

Very truly yours,  
 Board of Natural Resources  
 Professional Staff

AFFIDAVIT OF PUBLICATION

PAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED STATEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR OIL GAS & MAINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

ED ON START 07/16/98 END 07/16/98  
 RE [Signature]  
07/16/98



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

2871 REC 6131 SUADBOIG GEDS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-34346**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**HAWKEYE**

8. Well Name and No.

**MBFNE 15-23**

9. API Well No.

**43-013-31801**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**0660 FSL 1980 FEL                      SW/SE Section 23, T08S R16E**

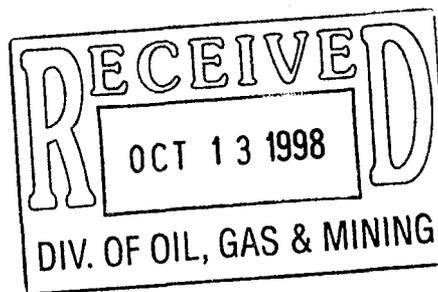
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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



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

Signed

*Lebbie E. Knight*

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

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

Title \_\_\_\_\_

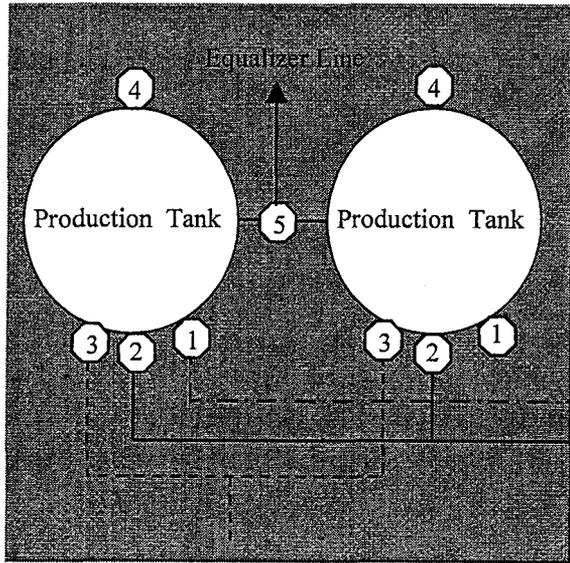
Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

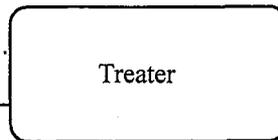
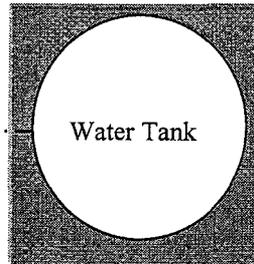
# Inland Production Company Site Facility Diagram

Monument Butte 15-23  
SW/SE Sec. 23, T8S, 16E  
Duchesne County  
Sept. 17, 1998

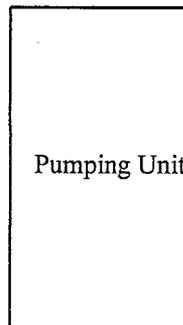


↑  
Diked Section

→ Contained Section



Gas Sales Meter



Well Head

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

### Production Phase:

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

### Sales Phase:

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

### Draining Phase:

- 1) Valve 3 open

### Legend

Emulsion Line	.....
Load Line	-----
Water Line	-.-.-.-.
Oil Line	_____
Gas Sales	.....

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well    
  Gas Well    
  Other *W/W*

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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

**0660 FSL 1980 FEL                      SW/SE Section 23, T08S R16E**

5. Lease Designation and Serial No.

**U-34346**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**HAWKEYE**

8. Well Name and No.

**MBFNE 15-23**

9. API Well No.

**43-013-31801**

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**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Injection Conversion

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.)

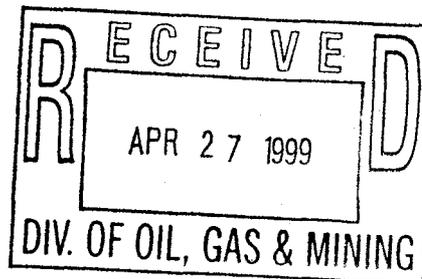
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 3/24/99 - 3/31/99**

The above referenced well was converted from a producing oil well to a water injection well on 3/29/99. RDMO took place 3/30/99. The well went on injection 4/1/99.

**Attachments:**

**1. Daily Workover Report**



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

Signed

*Shannon Smith*

Title

Engineering Secretary

Date

4/22/99

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**



## Daily Workover Report

### MBFNE 15-23

SW/SE Section 23, T08S R16E  
DUCHESNE Co., Utah  
API # 43-013-31801

Spud Date: 9/12/97  
POP: 10/15/97  
TD: 6251'  
WO Rig: KES #51

### 3/30/99PO: Injection Conversion. (Day 1)

Summary: 3/29/99- TP: 0, CP: 0. MIRU KES #51. Pump 90 BW dn csg @ 250°F. Unseat rod pump. Flush tbg & rods w/50 BW @ 250°F. Re-seat rod pump. Fill tbg w/17 BW. Press test tbg to 2000 psi. Unseat rod pump. TOH & LD rod string & pump. Pump & rods looked good. ND wellhead. Release TA. NU BOP. TOH w/production tbg & BHA. TIH w/4-3/4" bit, 5-1/2" csg scraper to 6156' (18' below btm perf @ 6138'). TOH, LD & tally 52 jts tbg (EOT @ 4534'). SIFN. Daily WTR used 157 Bbls.  
DC: \$7,800 TWC: \$7,800

### 3/31/99 PO: Injection Conversion. (Day 2)

Summary: 3/30/99 - TP: 0, CP: 0. TOH w/tbg f/4534'. Break each connection & apply Liquid O Ring to each pin. LD bit & scraper. TIH w/injection string as follows: 5-1/2" Arrowset 1-X packer (w/hardened steel slips & W.L. re-entry guide), SN, 142 jts 2-7/8 8rd 6.5# M-50 tbg. ND BOP. Land tbg on flange. Pump 60 BW w/corrosion inhibitor & biocide dn csg. PU on tbg & set pkr w/14.5" stretch @ 4444' w/SN @ 4440' & EOT @ 4448'. Land tbg w/15,000# tension. NU wellhead. Fill csg w/50 BW. Press test csg & pkr to 1050 psi. After 30 min, pressure @ 1025 psi (25 psi loss). Bleed csg pressure off. RDMOSU. Lost est 267 BW during rig job. \*Dennis Ingram W/ Utah DOGM witnessed & approved MIT.  
DC: \$5,900 TWC: \$13,700



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

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

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

UNDERGROUND INJECTION CONTROL PERMIT

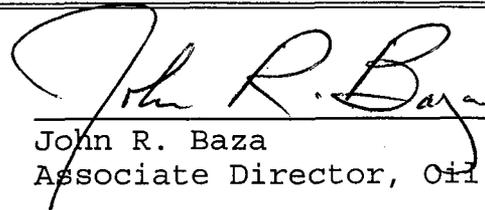
Cause No. UIC-220

**Operator:** Inland Production Company  
**Well:** Monument Butte Federal NE 15-23  
**Location:** Section 23, Township 8 South, Range 16 East,  
County: Duchesne  
**API No.:** 43-013-31801  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 9, 1998.
2. Maximum Allowable Injection Pressure: 2387 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4560 feet - 6138 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

5/6/99  
Date

INJECTION WELL - PRESSURE TEST

Well Name: <u>MBF NE # 15-23</u>	API Number: <u>43-013-31801</u>
Qtr/Qtr: <u>SW/SE</u>	Section: <u>23</u>
Company Name: <u>INLAND Production Co</u>	Township: <u>8S</u>
	Range: <u>16E</u>
Lease: State <u>UT</u>	Fee <u>        </u>
Inspector: <u>Dennis L. Lynn</u>	Federal <u>U-34346</u>
	Indian <u>        </u>
	Date: <u>3-30-99</u>

Initial Conditions:

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

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>0</u>
5	<u>1050</u>	<u>0</u>
10	<u>1045</u>	<u>0</u>
15	<u>1035</u>	<u>0</u>
20	<u>1030</u>	<u>0</u>
25	<u>1025</u>	<u>0</u>
30	<u>1025</u>	<u>0</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus Pressure: \_\_\_\_\_ psi

COMMENTS: Begin test @ 2:55 PM. TEST w/ Dragon  
HOT oil SERVICE

Dennis Lynn  
 Operator Representative

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-220
THE MONUMENT BUTTE FEDERAL	:	
NE 15-23 & HAWKEYE 9-23 WELLS	:	
LOCATED IN SECTION 23,	:	
TOWNSHIP 8 SOUTH, RANGE 16	:	
EAST, S.L.M., DUCHESNE COUNTY,	:	
UTAH, AS CLASS II INJECTION	:	
WELLS	:	

---ooOoo---

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

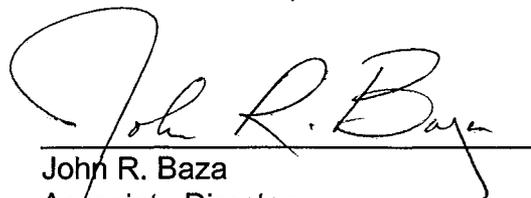
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Butte Federal NE 15-23 & Hawkeye 9-23 wells, located in Section 23, Township 8 South, Range 16 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

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

Dated this 10th day of July, 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
John R. Baza  
Associate Director



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

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

Michael O. Leavitt  
Governor  
Lowell P. Braxton  
Division Director

July 10, 1998

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066-9998

Re: Notice of Agency Action - Cause No. UIC-220

Gentlemen:

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

Sincerely,

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

Lorraine Platt  
Secretary

Enclosure



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

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

Michael O. Leavitt  
Governor  
Lowell P. Braxton  
Division Director

July 10, 1998

Newspaper Agency Corporation  
Legal Advertising  
PO Box 45838  
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-220

Gentlemen:

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

Sincerely,

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

Lorraine Platt  
Secretary

Enclosure

**Inland Production Company  
Monument Butte Federal NE 15-23 & Hawkeye 9-23 Wells  
Cause No. UIC-220**

Publication Notices were sent to the following:

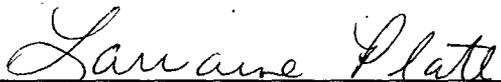
Inland Production Company  
410 17th Street, Suite 700  
Denver, Colorado 80202

Newspaper Agency Corporation  
Legal Advertising  
P.O. Box 45838  
Salt Lake City, Utah 84145

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

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



Lorraine Platt  
Secretary  
July 10, 1998

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-34346</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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>HAWKEYE</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>MBFNE 15-23</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>15-23-8-16</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>SW/SE 0660 FSL 1980 FEL</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>SW/SE Section 23, T08S R16E</b>	
14. API NUMBER <b>43-013-31801</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5475 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

A mechanical integrity test (MIT) was performed on the subject well. The data demonstrated that positive wellbore integrity exists. Find enclosed a copy of the workover report and MIT test data.

18 I hereby certify that the foregoing is true and correct

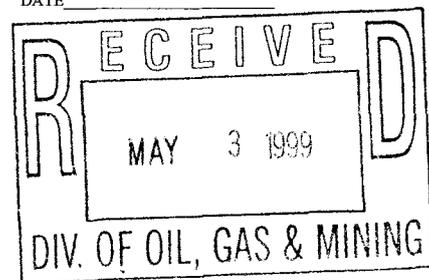
SIGNED <u>[Signature]</u>	TITLE <u>District Engineer</u>	DATE <u>4/29/99</u>
---------------------------	--------------------------------	---------------------

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side



# Mechanical Integrity Test Casing or Annulus Pressure Test

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

**Witness:** Dennis Ingram (State DOGM)      **Date** 3 / 30 / 99      **Time** 2:55 am/pm

**Test Conducted by:** Gary Diets (IPC)

**Others Present:** Tony Olsen, Willerd Mathison, Tom Jones, Jesse Martinez, Bill Lough.

<b>Well:</b> Mon Butte Fed 15-23-8-16	<b>Well ID</b> UTU - 76331X
<b>Field:</b> Monument Butte Field	<b>Company:</b> Inland Production Co.
<b>Well Location:</b> SW/SE Sec. 23 T 8 S R 16 E	<b>Address:</b> RT 3 Box 3630 Myton UT 84052

Time	Test	
0 min	1050	psig
5	_____	
10	_____	
15	1030	
20	_____	
25	_____	
30 min	1025	
35	_____	
40	_____	
45	_____	
50	_____	
55	_____	
60 min	_____	
Tubing press	_____	psig

**Result** (circle)    **Pass**    **Fail**  
\_\_\_\_\_  
Passed

**Signature of Witness:** \_\_\_\_\_ Dennis L Ingram

**Signature of Person Conducting Test:** \_\_\_\_\_ Gary Deitz



### DAILY WORKOVER REPORT

WELL NAME: Mon. Butte Fed. 15-23-8-16 Report Date: 3/31/99 Completion Day: 02  
 Present Operation: Injection Conversion Rig: KES #51

#### WELL STATUS

Surf Csg: 8 5/8 @ 298' KB Prod Csg: 5 1/2 @ 6246' WT: 15.5# Csg PBTD: 6199'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: M-50 Pkr/EOT @: 4444' BP/Sand PBTD: 6199'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB sds	4560-4569'	4/36	LDC sds	6026-6050'	4/96
D sds	5158-5164'	4/24	CP sds	6125-6129'	4/16
D sds	5201-5206'	4/20	CP sds	6132-6138'	4/24
D sds	5208-5228'	4/80			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 30-Mar-99 SITP: 0 SICP: 0

TOH W/ tbg f/ 4534'. Break each connection & apply Liquid O-ring to each pin. LD bit & scraper. TIH W/ injection string as follows: 5 1/2" Arrowset 1-X packer ( W/ hardened steel slips & W.L. re-entry guide), SN, 142 jts 2 7/8 8rd 6.5# M-50 tbg. ND BOP. Land tbg on flange. Pump 60 BW W/ corrosion inhibitor & biocide dn csg. PU on tbg & set pkr W/ 14.5" stretch @ 4444' W/ SN @ 4440' & EOT @ 4448'. Land tbg W/ 15,000# tension. NU wellhead. Fill csg W/ 50 BW. Press test csg & pkr to 1050 psi. After 30 min, pressure @ 1025 psi (25 psi loss). Bleed csg pressure off. RD MOSU. Lost est 267 BW during rig job.

\*Dennis Ingram W/ Utah DOGM witnessed & approved MIT.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 157 Starting oil rec to date: 0  
 Fluid lost/recovered today: 110 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 267 Cum oil recovered: 0  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

#### TUBING DETAIL

KB	12.00'
142 jts 2 7/8 M-50 tbg	4427.59'
2 7/8 SN	1.10' @ 4439.59' KB
Arrowset 1-X pkr (W/	
hardened steel slips & W.L.	elements @ 4443.94' KB
re-entry guide (7.33' O.A.)	EOT @ 4448.02' KB

#### COSTS

CWS rig	\$1,600
Water	\$100
HO Trk	\$300
Shed & heater	\$1,900
Rst. Labor	\$200
Flowmeter	\$700
Pump repair (est)	\$600
TA repair (est)	\$300
IPC Supervision	\$200

DAILY COST: \$5,900

TOTAL WELL COST: \$13,700

Workover Supervisor: Gary Dietz

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-34346**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**HAWKEYE**

8. Well Name and No.

**MBFNE 15-23**

9. API Well No.

**43-013-31801**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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

**0660 FSL 1980 FEL                      SW/SE Section 23, T08S R16E**

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

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

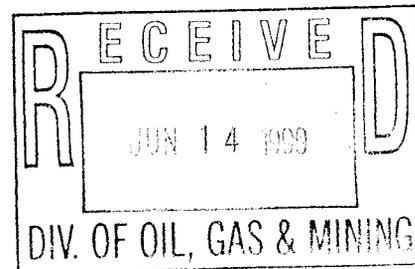
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 3/24/99 - 3/31/99**

The above referenced well was converted from a producing oil well to a water injection well on 3/29/99. RDMO took place 3/30/99. The well went on injection 4/1/99.

**Attachments:**

**1. Daily Workover Report**



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

Signed Shannon Smith Title Engineering Secretary Date 4/22/99

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

*Partial WTC 6-22-99 RSK*



## Daily Workover Report

**MBFNE 15-23**

SW/SE Section 23, T08S R16E  
DUCHESNE Co., Utah  
API # 43-013-31801

Spud Date: 9/12/97  
POP: 10/15/97  
TD: 6251'  
WO Rig: KES #51

**3/30/99 PO: Injection Conversion. (Day 1)**

Summary: 3/29/99- TP: 0, CP: 0. MIRU KES #51. Pump 90 BW dn csg @ 250°F. Unseat rod pump. Flush tbg & rods w/50 BW @ 250°F. Re-seat rod pump. Fill tbg w/17 BW. Press test tbg to 2000 psi. Unseat rod pump. TOH & LD rod string & pump. Pump & rods looked good. ND wellhead. Release TA. NU BOP. TOH w/production tbg & BHA. TIH w/4-3/4" bit, 5-1/2" csg scraper to 6156' (18' below btm perf @ 6138'). TOH, LD & tally 52 jts tbg (EOT @ 4534'). SIFN. Daily WTR used 157 Bbls.  
DC: \$7,800 TWC: \$7,800

**3/31/99 PO: Injection Conversion. (Day 2)**

Summary: 3/30/99 - TP: 0, CP: 0. TOH w/tbg f/4534'. Break each connection & apply Liquid O Ring to each pin. LD bit & scraper. TIH w/injection string as follows: 5-1/2" Arrowset 1-X packer (w/hardened steel slips & W.L. re-entry guide), SN, 142 jts 2-7/8 8rd 6.5# M-50 tbg. ND BOP. Land tbg on flange. Pump 60 BW w/corrosion inhibitor & biocide dn csg. PU on tbg & set pkr w/14.5" stretch @ 4444' w/SN @ 4440' & EOT @ 4448'. Land tbg w/15,000# tension. NU wellhead. Fill csg w/50 BW. Press test csg & pkr to 1050 psi. After 30 min, pressure @ 1025 psi (25 psi loss). Bleed csg pressure off. RDMOSU. Lost est 267 BW during rig job. \*Dennis Ingram W/ Utah DOGM witnessed & approved MIT.  
DC: \$5,900 TWC: \$13,700

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU76331X

**SUNDRY NOTICES AND REPORTS ON WELLS**

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, c  
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
HAWKEYE UNIT

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

8. WELL NAME and NUMBER:  
MBFNE 15-23

2. NAME OF OPERATOR:  
Inland Production Company

9. API NUMBER:  
4301331801

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

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 0660 FSL 1980 FEL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/SE, 23, T8S, R16E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  03/05/2004	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

**RECEIVED**  
**MAR 08 2004**  
DIV. OF OIL, GAS & MINING

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

A 5 year MIT was conducted on the subject well. On 3/3/04 Mr. Dennis Ingram was notified of the intent to conduct a MIT on the casing. On 3/4/04 the casing was pressured to 1185 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dennis Ingram was there to witness the test.

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

Date: 03-08-04  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 3-16-04  
Initials: CHD

NAME (PLEASE) Krishna Russell  
SIGNATURE Krisha Russell

TITLE Production Clerk  
DATE March 05, 2004

# Mechanical Integrity Test Casing or Annulus Pressure Test

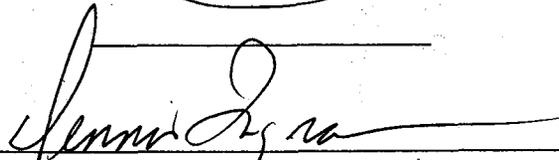
Inland Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

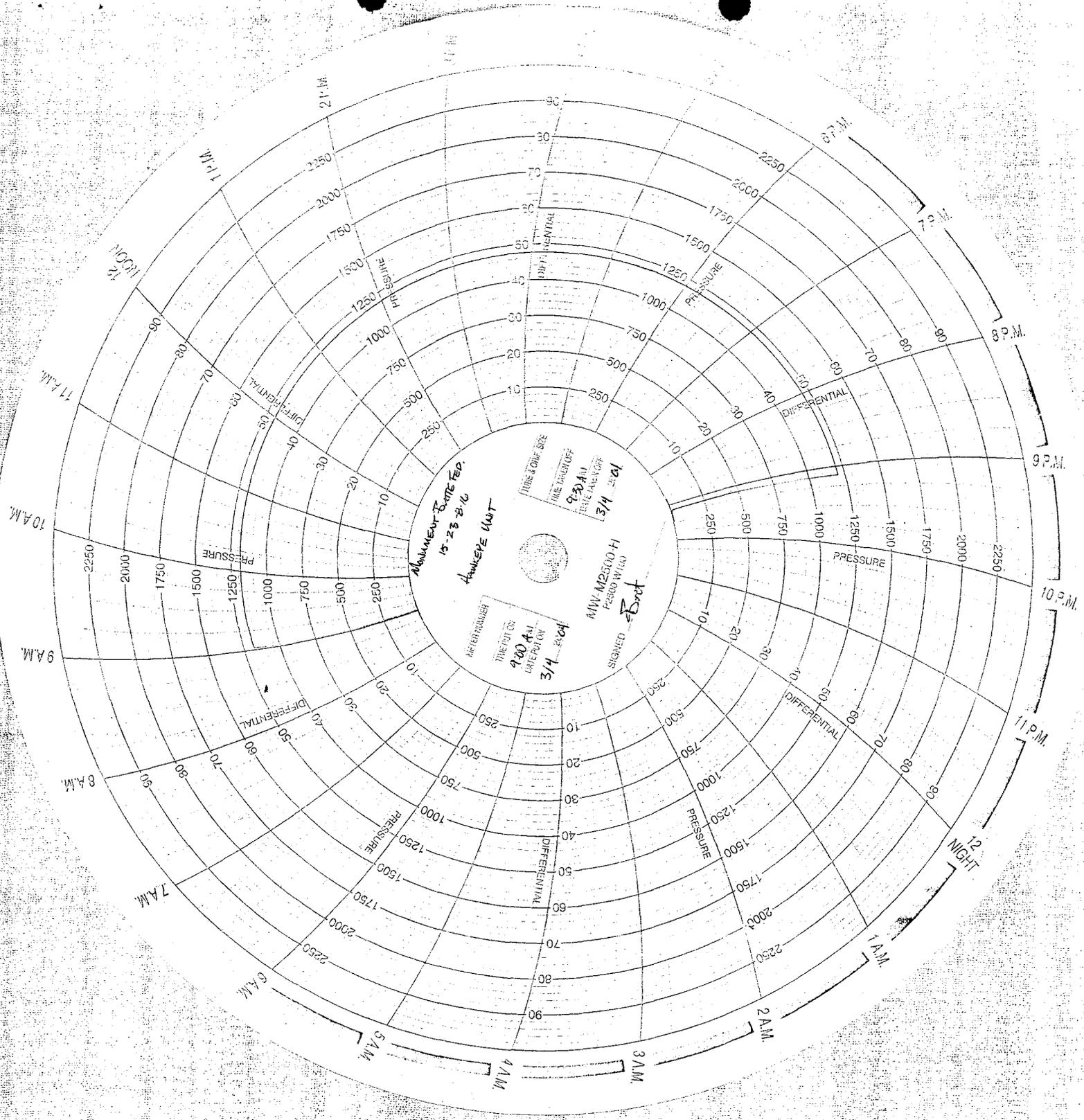
Witness:  Date 3/4/04 Time 9:00 am/pm  
 Test Conducted by: BRET HENRIE  
 Others Present: \_\_\_\_\_

Well: <u>MONUMENT BUTTE FED. 15-23-8-16</u>	Well ID: <u>43-013-31801</u>
Field: <u>HAWKEYE UNIT</u>	Company: <u>INLAND</u>
Well Location: <u>SW/SE/ SEC. 23, T8S, R16E</u>	Address: _____

Time	Test	
0 min	<u>1185</u>	psig
5	<u>1185</u>	
10	<u>1190</u>	
15	<u>1190</u>	
20	<u>1195</u>	
25	<del>1200</del> <u>1195</u>	
30 min	<u>1200</u>	
35	_____	
40	_____	
45	_____	
50	_____	
55	_____	
60 min	_____	
Tubing press	<u>1490</u>	psig

Result (circle) Pass Fail

Signature of Witness:   
 Signature of Person Conducting Test: Bret Henrie



MOUNTAIN STATE FED.  
15-23-816  
ANNEKE UNIT

TYPE & ORIF. SIZE  
TYPE LABEL OFF  
9/20 A11  
TYPE LABEL OFF  
3/4 2K04

MP-100-100-100  
TYPE & ORIF. SIZE  
9/20 A11  
TYPE LABEL OFF  
3/4 2K04

MW-12500 H  
P2300 W11A  
SIGNED  
Dpt



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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

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



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 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 <u>See Attached List</u>		API Number
Location of Well		Field or Unit Name <u>See Attached List</u>
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*  
Title: *Tech Services Manager*

Approval Date: *9-20-04*

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

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

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>MBF 15-23-8-16</u>	API Number: <u>43-013-31801</u>
Qtr/Qtr: <u>SW/SE</u> Section: <u>23</u>	Township: <u>8S</u> Range: <u>16E</u>
Company Name: <u>INLAND PRODUCTION CO</u>	
Lease: State _____ Fee _____	Federal <u>U-34346</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>3-4-4</u>

Initial Conditions:

Tubing - Rate: Not injecting Pressure: 1490 psi  
 Casing/Tubing Annulus - Pressure: 1185 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1185</u>	<u>1490</u>
5	<u>1185</u>	<u>1490</u>
10	<u>1190</u>	<u>1490</u>
15	<u>1190</u>	<u>1490</u>
20	<u>1195</u>	<u>1490</u>
25	<u>1195</u>	<u>1490</u>
30	<u>1200</u>	<u>1490</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1490 psi  
 Casing/Tubing Annulus Pressure: 1200 psi

COMMENTS: Tested for 5 year rule. tested @ 9:00AM

[Signature]  
 Operator Representative



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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-34346

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
HAWKEYE UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER WT

8. WELL NAME and NUMBER:  
MBFNE 15-23

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331801

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 660 FSL 1980 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 23, T8S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>01/28/2009</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT.
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 1/28/09 Dennis Ingram with the State of Utah (DOGM) was contacted concerning the MIT on the above listed well. Permission was given at this time to perform the test on 1/30/09. On 1/30/09 the csg was pressured to 1350 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1780 psig. There was not a State representative to witness the test. API# 43-013-31801

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

Date: 02-05-09

By: [Signature]

**COPY SENT TO OPERATOR**

Date: 2.5.2009

Initials: KS

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE [Signature]

DATE 02/03/2009

(This space for State use only)

**RECEIVED**

**FEB 04 2009**

**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: \_\_\_\_\_ Date 1/30/09 Time 9:00 @ am pm

Test Conducted by: DAVE CLOWARD

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

Well: <u>MONUMENT BUTTE FEDERAL 15-33-8-16</u>	Field: <u>MONUMENT BUTTE FEDERAL</u>
Well Location: <u>MONUMENT BUTTE FEDERAL</u> <u>15-23-8-16</u>	<u>HAWKEYE UNIT</u>
<u>SW/SE SEC. 23, T8S, R16E</u>	API No: <u>43-013-31801</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1780 psig

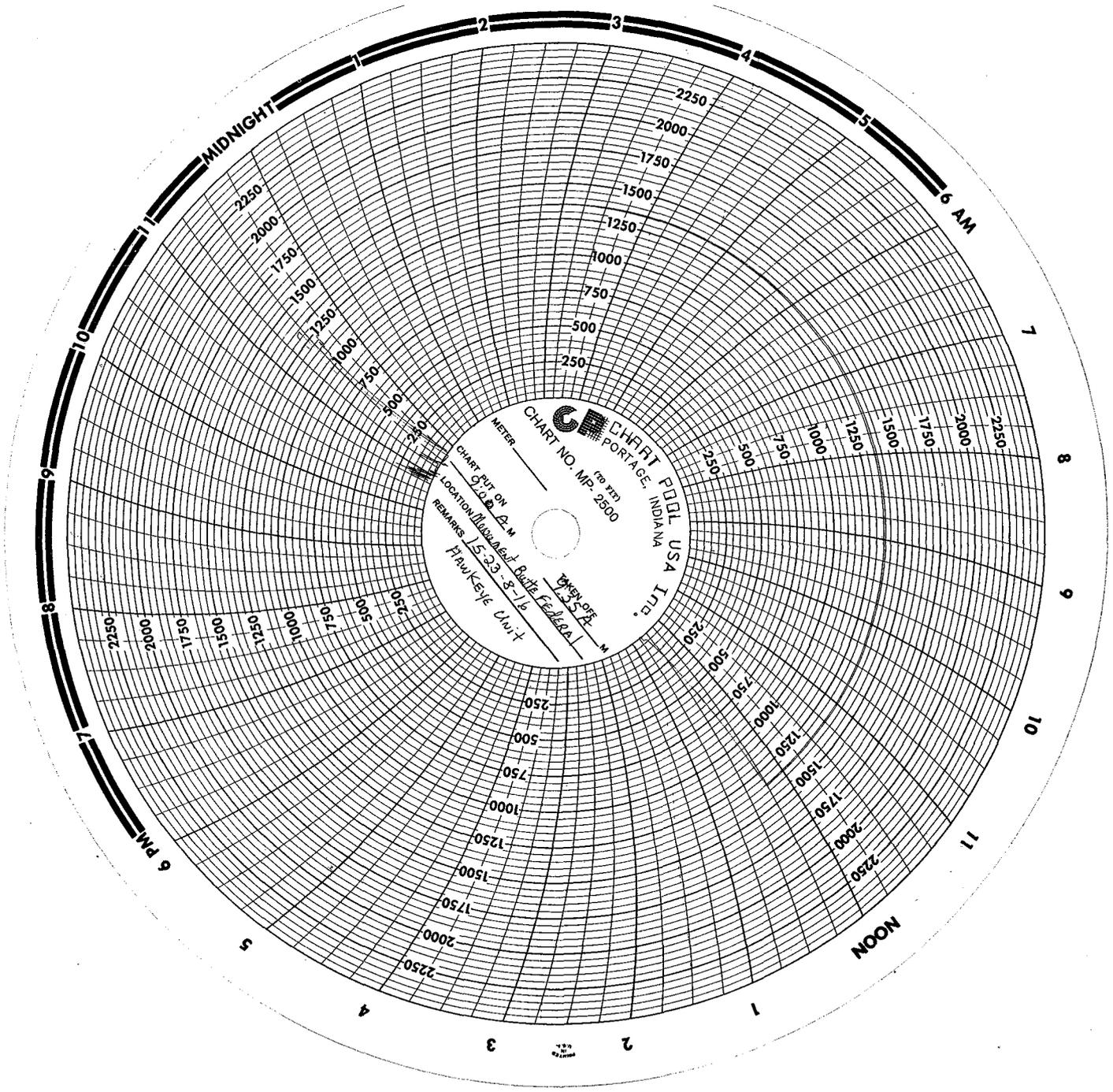
Result:

Pass

Fail

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

Signature of Person Conducting Test: Dave Cloward



METER  
CHART NO. MP. 2500  
PORTAGE, INDIANA  
USA Int'l.  
CHART SET ON 12-M  
LOCATION: Michigan State Fair Grounds  
REMARKS: 5-23-87  
FRANKLIN UNIT

<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-34346	<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> MBFNE 15-23
<b>1. TYPE OF WELL</b> Water Injection Well	<b>9. API NUMBER:</b> 43013318010000
<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 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 23 Township: 08.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

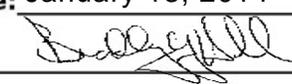
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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: 1/7/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

On 01/02/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/07/2014 the casing was pressured up to 1484 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1071 psig during the test. There was not a State representative available to witness the test.

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

**Date:** January 13, 2014  
**By:** 

<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> 1/9/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 1/7/14 Time 10:00 am pm  
Test Conducted by: INAKI LASA  
Others Present: \_\_\_\_\_

**Well:** ~~MON BUTTE FEDERAL~~ 15-23-8-16 **Field:** GREATER MONUMENT BUTTE  
SW/SE SEC. 23, T8S, R16E  
**Well Location:** LEASE: U 34 346 **API No:** 4301331654  
DUCHESE COUNTY, UTAH

5 YEAR MIT

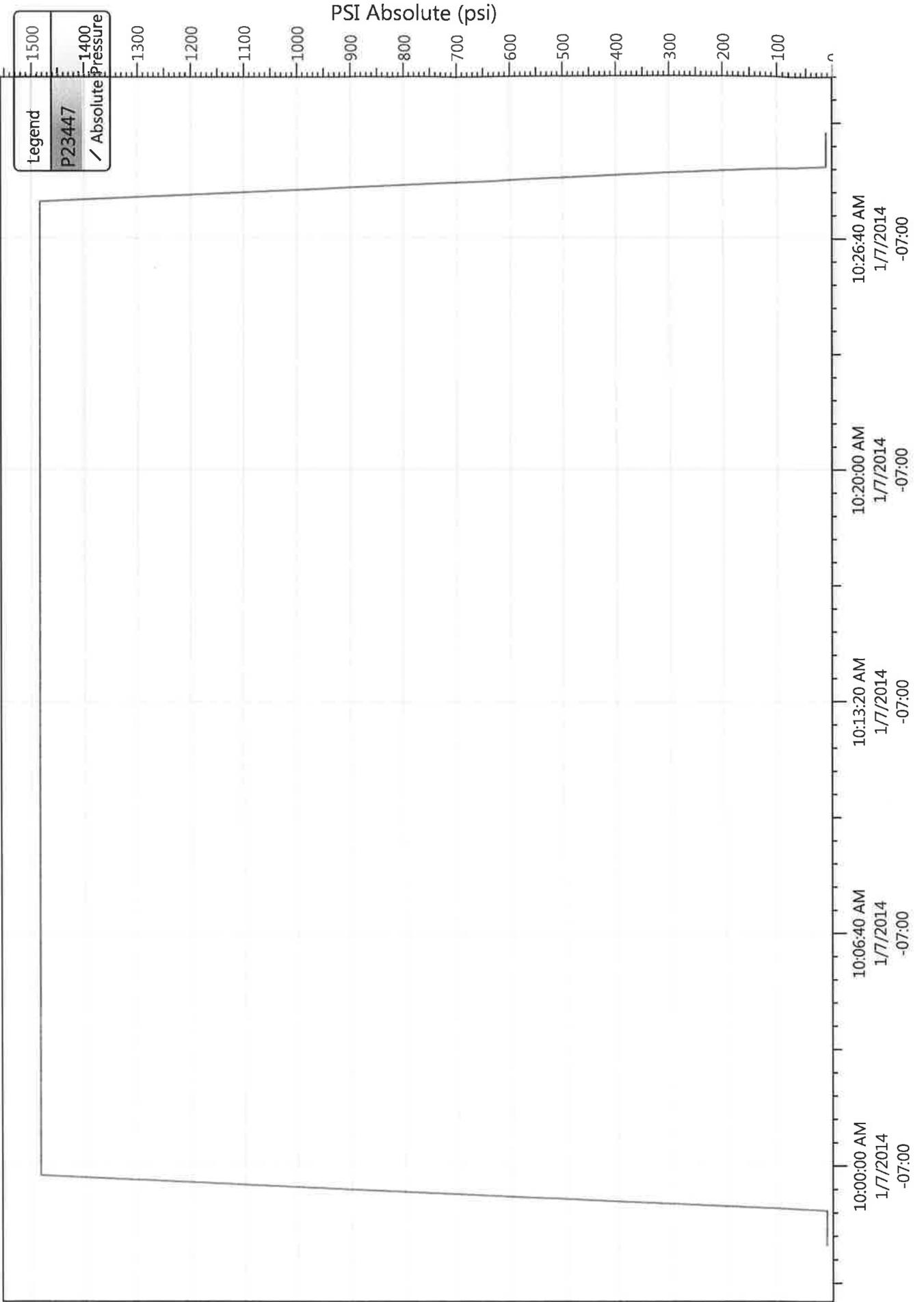
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>12.8</u>	psig
5	<u>1,484.6</u>	psig
10	<u>1,484</u>	psig
15	<u>1,484.4</u>	psig
20	<u>1,484</u>	psig
25	<u>1,484</u>	psig
30 min	<u>1,484</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,071 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Inaki Laso

Mon Butte Fed 15-23-8-16  
1/7/2014 9:57:18 AM



# Monument Butte Federal NE #15-23-8-16

Spud Date: 9/12/97  
 Put on Production: 10/15/97  
 GL: 1319' KB: 1332'

Initial Production: 142 BOPD,  
 335 MCFPD, 7 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

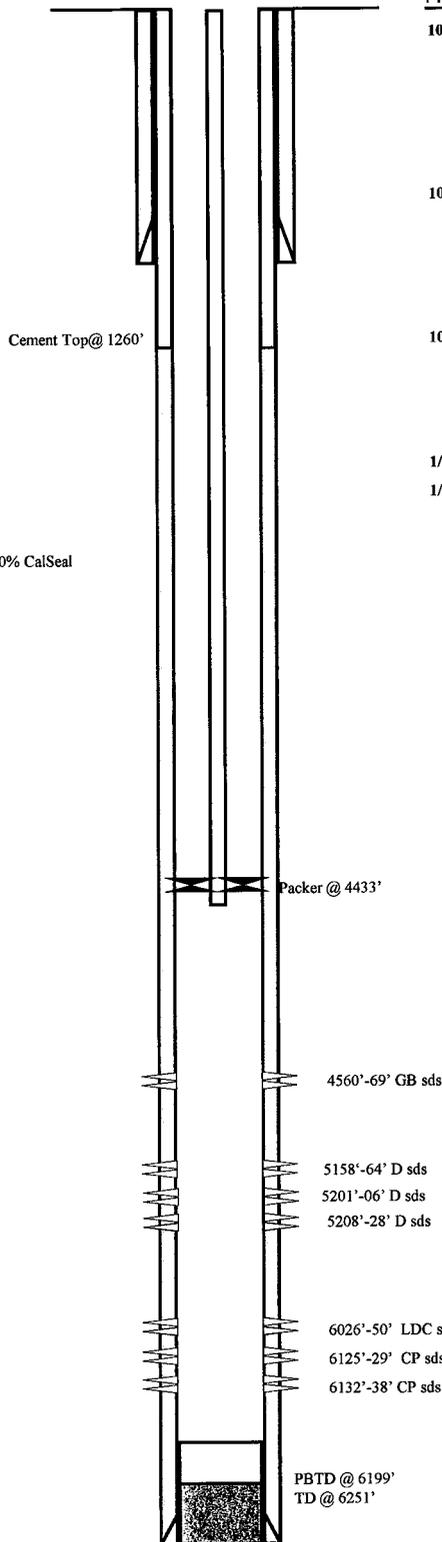
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Premium cmt, est 7 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts  
 DEPTH LANDED: 6246'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sk Hibond mixed & 410 sxs Thixo w/ 10% CalSeal  
 CEMENT TOP AT: 1260' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 196 jts  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 4440'



### FRAC JOB

**10/3/97 6026'-6138'** **Frac LDC/CP sand as follows:**  
 92,400# 20/40 sd in 387 bbls Boragel. Perfs broke dn @ 2760 psi. Treated @ ave press of 2175 psi w/ave rate of 32 BPM. Screened out w/4301 gel left to flush & 9.7# sd on perfs. 59,200# sd in perfs, 32,200# sd left in csg. ISIP: 3899 psi, 5 min: 3745 psi. Flowback @ 1 BPM until dead.

**10/6/97 5158'-5228'** **Frac D sand as follows:**  
 92,300# 20/40 sd in 472 bbl Boragel. Perfs broke dn @ 2168 psi. Treated @ ave press of 1265 psi w/ave rate of 30.1 bpm. ISIP: 1871 psi, 5 min: 1796 psi. Flowback on 12/64" choke for 2-1/2 hrs & died.

**10/8/97 4560'-4569'** **Frac GB sand as follows:**  
 85,300# 20/40 sd in 422 bbls Boragel. Perfs broke dn @ 1720 psi. Treated @ ave press of 2345 psi w/ave rate of 23.8 BPM. ISIP: 2150 psi, 5 min: 2090 psi. Flowback on 12/64" choke for 4 hrs & died

**1/6/2006** **Well converted to an injection well.**

**1/30/09** **5 Year MIT completed and submitted.**

### PERFORATION RECORD

Date	Interval	Type	Holes
10/2/97	6132'-6138'	4 JSPF	24 holes
10/2/97	6125'-6129'	4 JSPF	16 holes
10/2/97	6026'-6050'	4 JSPF	96 holes
10/4/97	5158'-5164'	4 JSPF	24 holes
10/4/97	5201'-5206'	4 JSPF	20 holes
10/4/97	5208'-5228'	4 JSPF	80 holes
10/7/97	4560'-4569'	4 JSPF	36 holes

**NEWFIELD**

**Monument Butte Federal NE #15-23**  
 660 FSL 1980 FEL  
 SWSE Section 23-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31801; Lease #U-34346