

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

980923 Lease # for UTA-44426'

DATE FILED NOVEMBER 10, 1997

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. ~~UTU 44426~~ INDIAN

DRILLING APPROVED: DECEMBER 18, 1997 U-3563-A

SPUDED IN: 1.15.98

COMPLETED: 2.13.98 PDW PUT TO PRODUCING:

INITIAL PRODUCTION: 45 Bbl, 40 MCF, 4 Bbl

GRAVITY A.P.I. GOR: .889

PRODUCING ZONES: 4538-5070' CRRV

TOTAL DEPTH: 5700'

WELL ELEVATION: 5316' KB

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. JONAH 8-7 API NO. 43-013-31989

LOCATION 2046 FNL FT. FROM (N) (S) LINE, 810 FEL FT. FROM (E) (W) LINE. 1/4 - 1/4 SEC.

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	7	INLAND PRODUCTION

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humberg
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
Garden Gulch 2	Burro Canyon	Rico (Goodridge)	Aneth
Point 3	Cedar Mountain	Supai	Simonson Dolomite
X marker	Buckhorn	Wolfcamp	Sevy Dolomite
Y marker	JURASSIC	CARBON I FEROUS	North Point
<del>Washburn</del> DACK	Morrison	Pennsylvanian	SILURIAN
<del>Blaine</del> BICARB	Salt Wash	Oquirrh	Laketown Dolomite
<del>Blaine</del> Blime	San Rafael Gr.	Weber	ORDOVICIAN
<del>Blaine</del> Castle Peak	Summerville	Morgan	Eureka Quartzite
<del>Blaine</del> Basal carb	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. UTU-44426
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Jonah
9. WELL NO. #8-7
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7, T9S, R17E
12. County Duchesne
13. STATE UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

2. NAME OF OPERATOR Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface SE/NE At proposed Prod. Zone 2046' FNL & 810' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12.9 Miles south of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 810'
16. NO. OF ACRES IN LEASE 440
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. 6500'
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5304.2' GR
22. APPROX. DATE WORK WILL START\* 1st Quarter 1998

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4", 7 7/8" and See Detail Below.

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

SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl2, 1/4# /sk Flocele
Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 Gal/sk
LONG STRING - Lead: Hibond 65 Modified
Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H2O Req: 18.08 Gal/sk
Tail: Premium Plus Thixotropic
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O 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 Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 11/5/97

(This space for Federal or State office use)

PERMIT NO. 43-013-31989 APPROVAL DATE

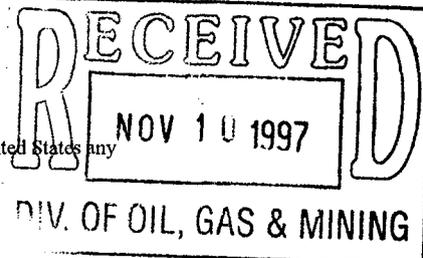
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY John R. Baya TITLE Associate Director Utah DOGM DATE 12/18/97

\*See Instructions On Reverse Side

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



R  
16  
E

R  
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T9S, R17E, S.L.B.&M.

INLAND PRODUCTION CO.

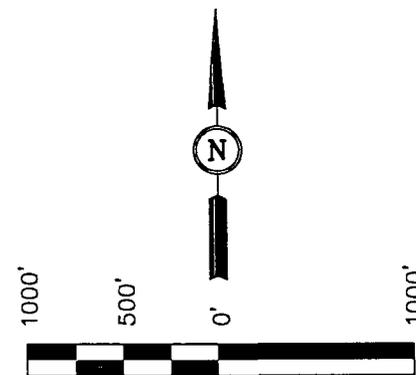
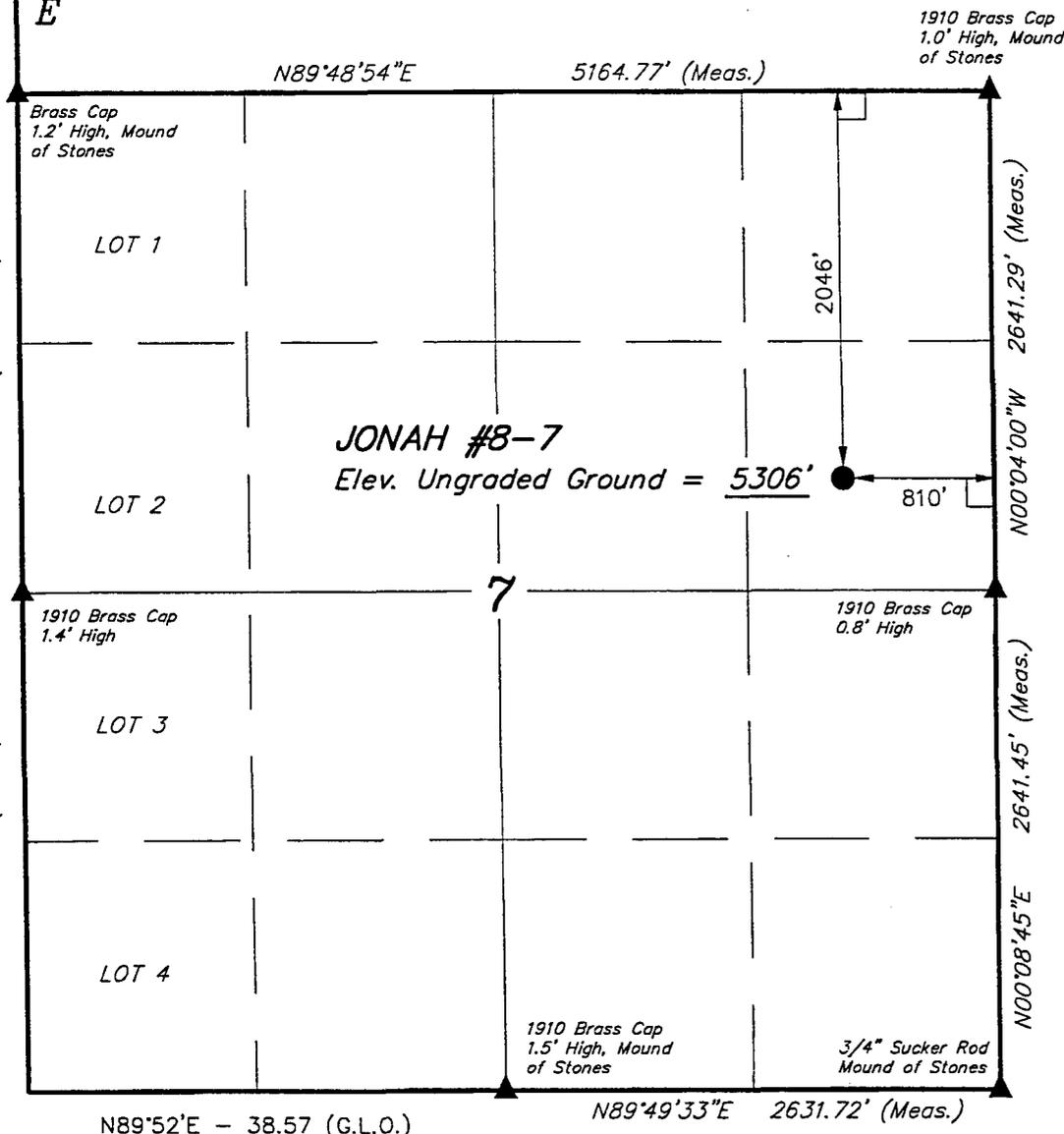
Well location, JONAH #8-7, located as shown in the SE 1/4 NE 1/4 of Section 7, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 7, T9S, R17E, 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 5265 FEET.

NORTH - G.L.O. (Basis of Bearings)  
2641.68' (Measured)

NORTH - (G.L.O.)



SCALE

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 J. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 09-25-97	DATE DRAWN: 10-03-97
PARTY D.A.    K.H.    D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO.	

LEGEND:

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

**INLAND PRODUCTION COMPANY  
JONAH #8-7  
SE/NE SECTION 7, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' - 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 of 5 lb. - 8 lb. per barrel of 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.

**AIR DRILLING**

In the event that the proposed Jonah #8-7 be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90 degree turns. Inland also requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

**MUD TYPE**

Surface - 320'	Air
320' - 4200'	Air/Mist & Foam
4200' - TD	The well will be drilled with fresh water through the Green River Formation @ 4200' ±, 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.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight 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 PBDT 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 maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 1998, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
JONAH #8-7  
SE/NE SECTION 7,T9S, R17E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Jonah #8-7 located in the SE 1/4 NE 1/4 Section 7,T9S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southeasterly along Utah State Highway 53 - 6.3 miles to its junction with a dirt road to the southeast; proceed southeasterly 5.1 miles to its junction with a dirt road to the southwest; proceed southwest 2.1 miles to the beginning of the access road, 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**

The proposed access road is approximately 800'  $\pm$  to the proposed location. See Topographic Map "B".

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

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

There are no fences encountered along this proposed road. There will 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**

Refer to 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 Jonah #8-7, or 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/SESec. 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 40 X 8' 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, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

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 west between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be stored on the south between stakes 2 & 4.

Access to the well pad will be from the north between stakes 7 & 8.

Corner #8 will be rounded to avoid drainage.

**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 is attached.

***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 Jonah #8-7 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 Jonah #8-7, 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: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, Utah 84079  
Telephone: (801) 789-1866

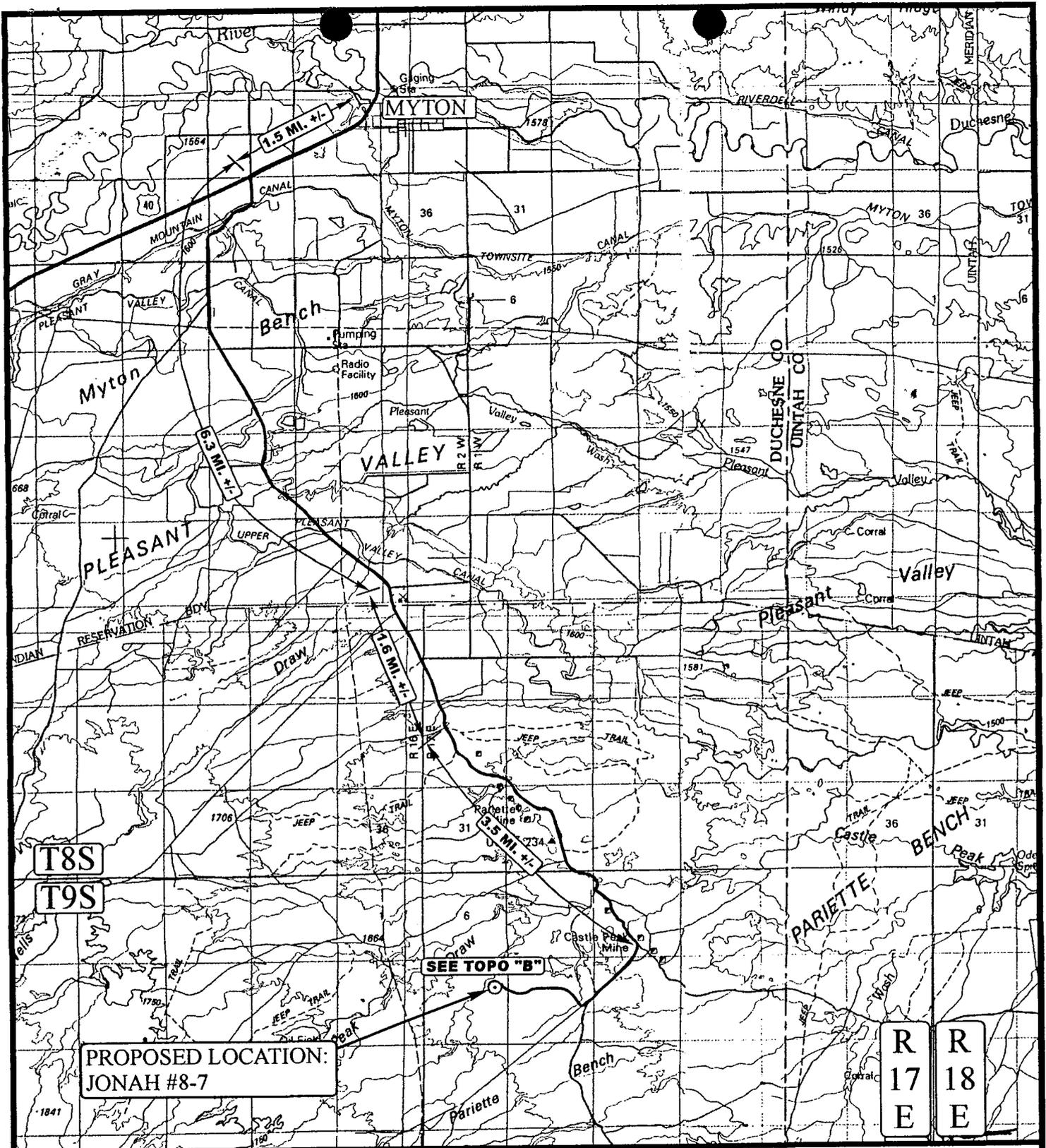
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #8-7 SE/NE Section 7, Township 9S, Range 17E: Lease #UTU-44426 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.

11/5/97  
\_\_\_\_\_  
Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



**LEGEND:**

⊙ PROPOSED LOCATION



**INLAND PRODUCTION CO.**

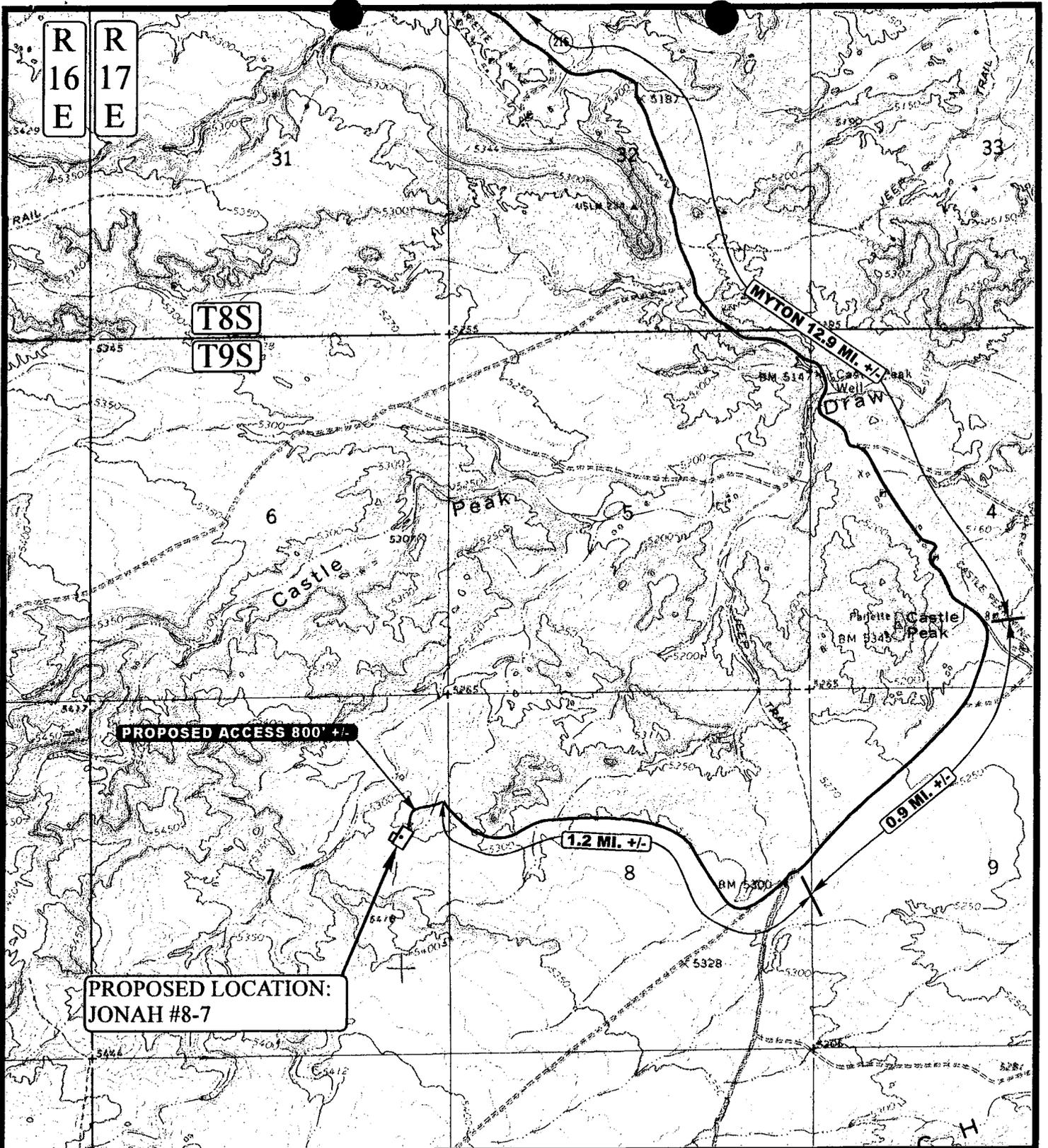
JONAH #8-7  
SECTION 7, T9S, R17E, S.L.B.&M.  
2046' FNL 810' FEL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(801) 789-1017 \* FAX (801) 789-1813  
Email: uels@easilink.com

**TOPOGRAPHIC** 10 2 97  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.G. REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**INLAND PRODUCTION CO.**

**JONAH #8-7**

**SECTION 7, T9S, R17E, S.L.B.&M.**

**2046' FNL 810' FEL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (801) 789-1017 \* FAX (801) 789-1813  
 Email: uels@easilink.com

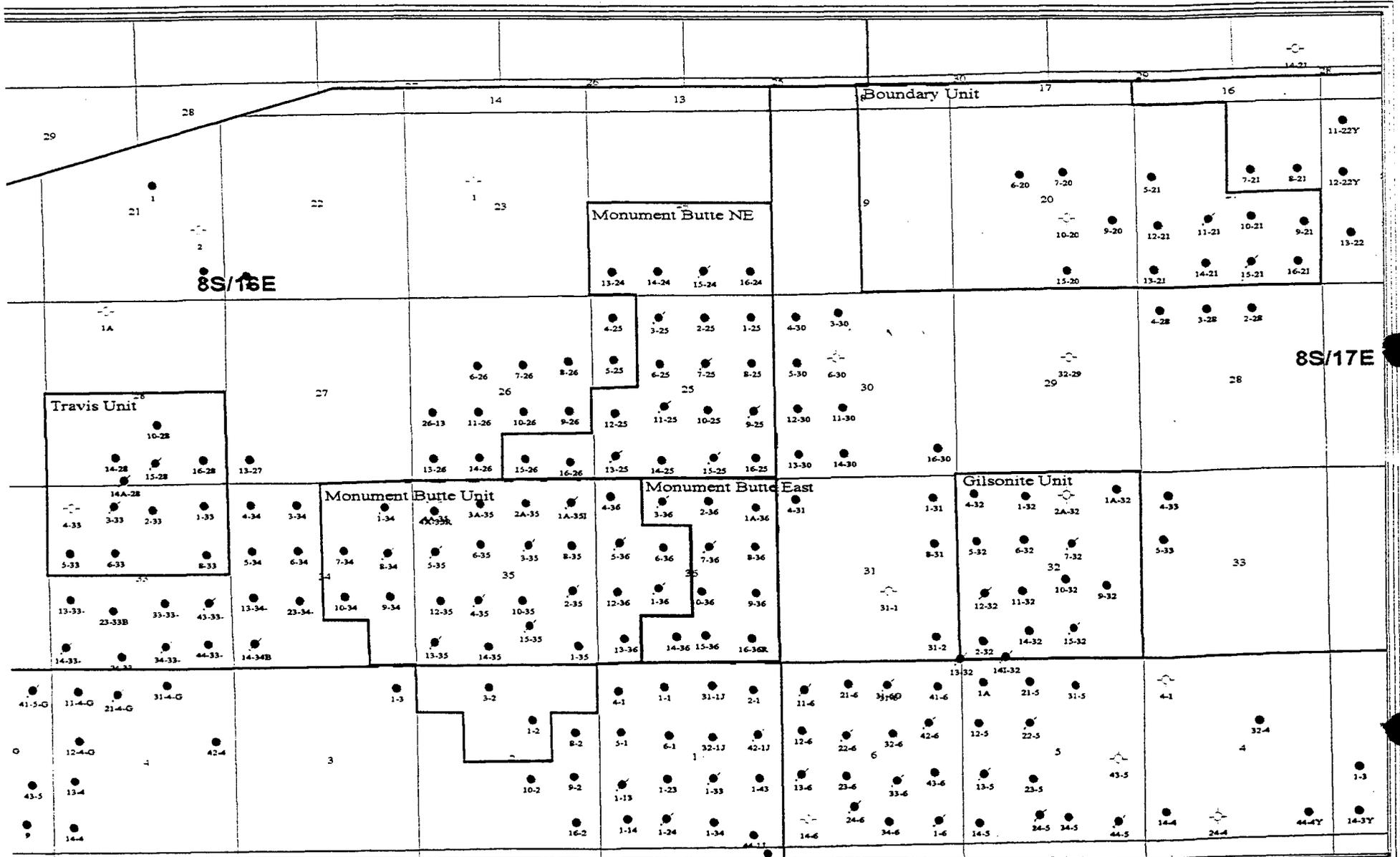
**TOPOGRAPHIC**  
**MAP**

<b>10</b>	<b>2</b>	<b>97</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00



EXHIBIT "C"




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

**Regional Area**  
 Duchesne County, Utah

Date: 4/18/97 J.A.

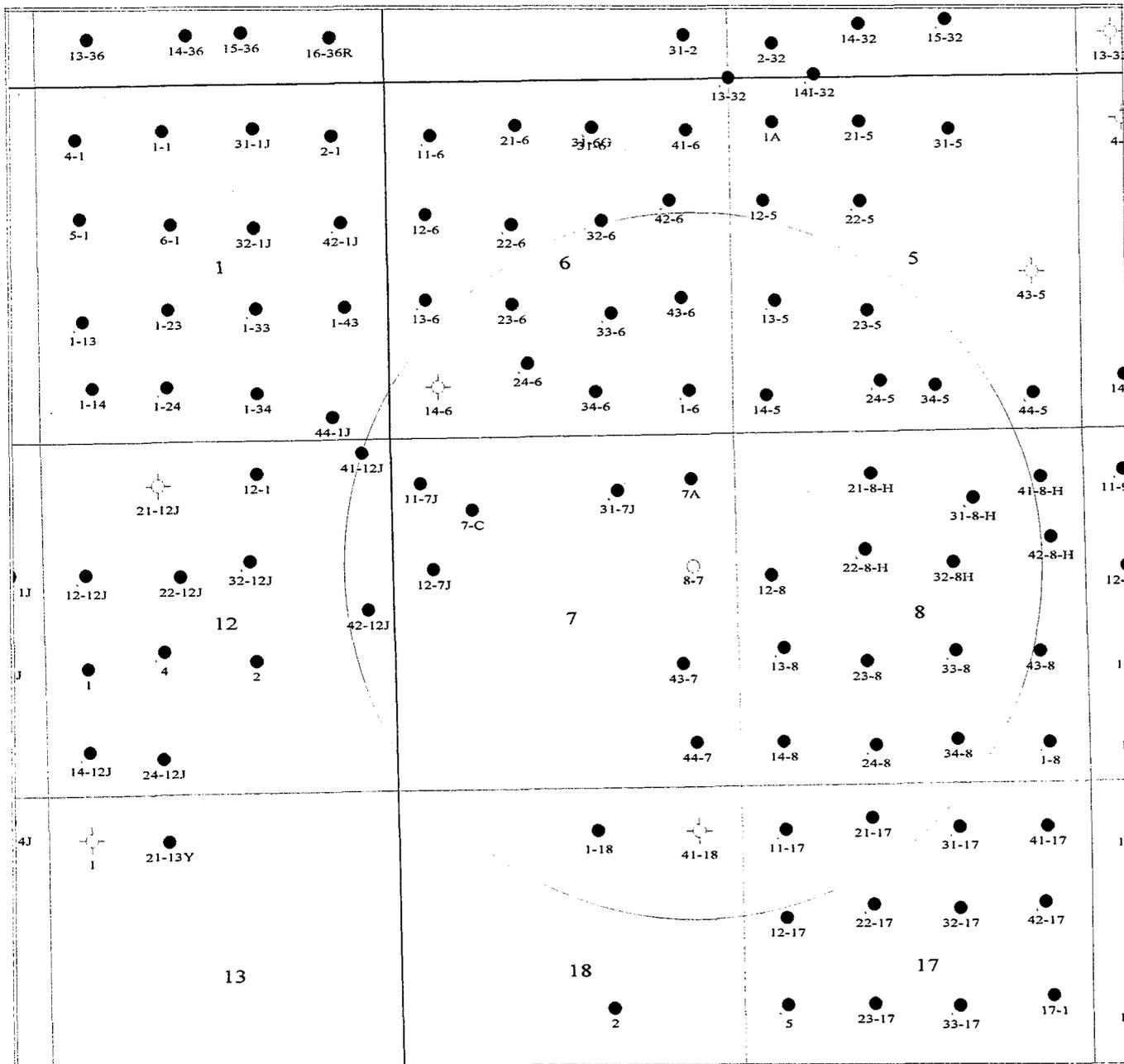


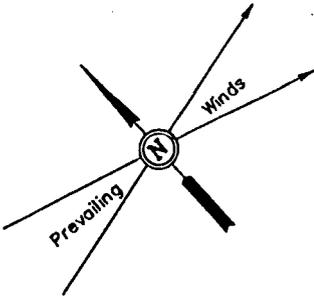
EXHIBIT "D"

INLAND PRODUCTION COMPANY		
ONE MILE RADIUS JONAH 8-7		
Josh Anderson		10/24/97
Scale 1:24720.73		

# INLAND PRODUCTION CO

## LOCATION LAYOUT FOR

JONAH #8-7  
SECTION 7, T9S, R17E, S.L.B.&M.  
2046' FNL 810' FEL



SCALE: 1" = 50'  
Date: 10-6-97  
Drawn By: D.COX

F-3.9'  
El. 300.3'

F-2.9'  
El. 301.3'

F-4.2'  
El. 300.0'

Sta. 2+90

APPROX. TOP OF CUT SLOPE

CLEARWATER UNIT AREA

El. 303.4'  
C-7.2'  
(Btm. Pit)

El. 305.0'  
C-0.8'

PIPE RACKS

C-1.4'  
El. 305.6'

Sta. 1+45

El. 303.1'  
F-1.1'

NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 1,950 Bbls.

Note - Fill material not to enter drainage on southeast of road.

10' WIDE BENCH

RESERVE PIT (8' Deep)

MUD TANKS

RIG

DOG HOUSE

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TRASH

TRAILER

TOILET

FUEL

STORAGE TANK

Sta. 0+83

APPROX. TOE OF FILL SLOPE

El. 304.7'  
C-8.5'  
(Btm. Pit)

El. 306.4'  
C-2.2'

Reserve Pit Backfill & Spoils Stockpile

El. 307.9'  
C-3.7'

C-5.7'  
El. 309.9'

Topsoil Stockpile

El. 307.9'  
C-3.7'

Sta. 0+00

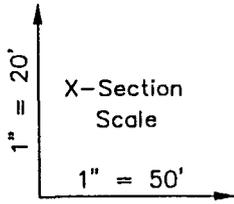
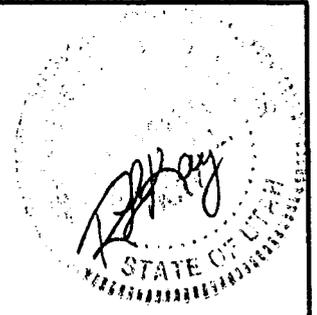
Elev. Ungraded Ground at Location Stake = 5305.6'  
Elev. Graded Ground at Location Stake = 5304.2

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

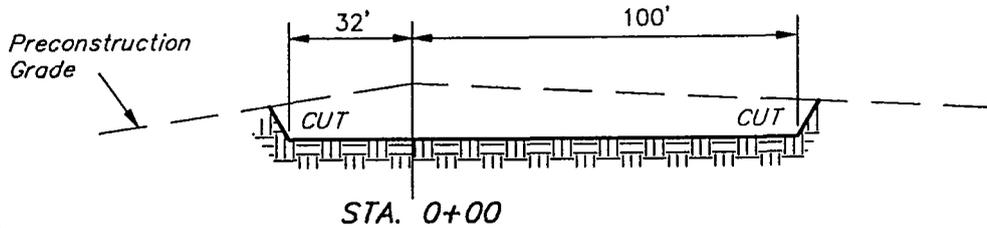
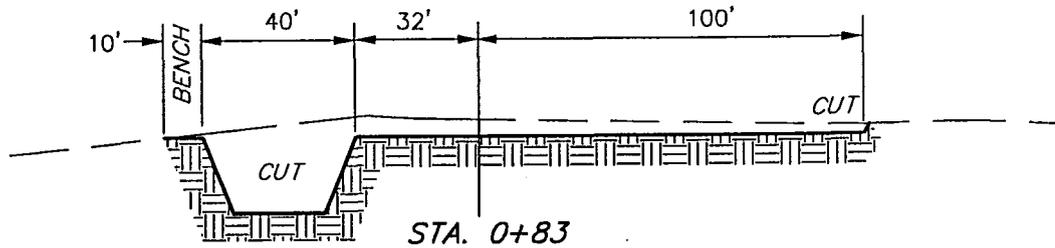
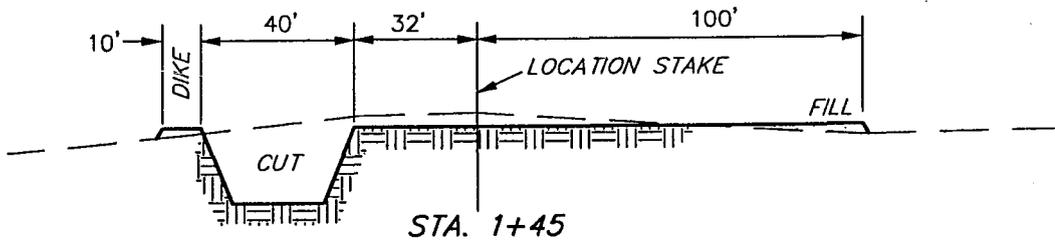
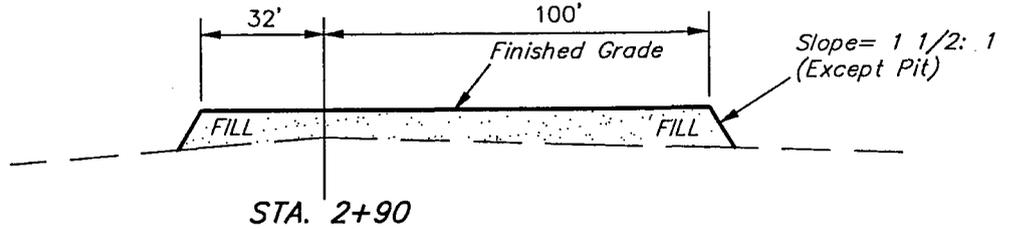
**INLAND PRODUCTION CO**

**TYPICAL CROSS SECTIONS FOR**

JONAH #8-7  
SECTION 7, T9S, R17E, S.L.B.&M.  
2046' FNL 810' FEL



Date: 10-6-97  
Drawn By: D.COX



**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**APPROXIMATE YARDAGES**

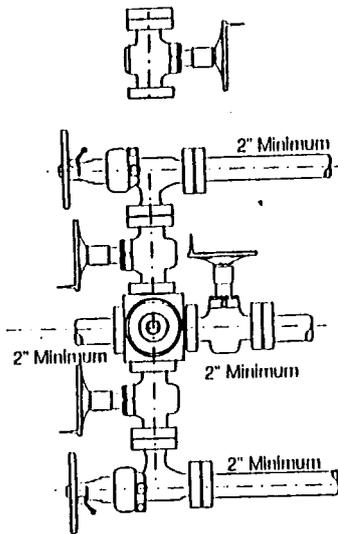
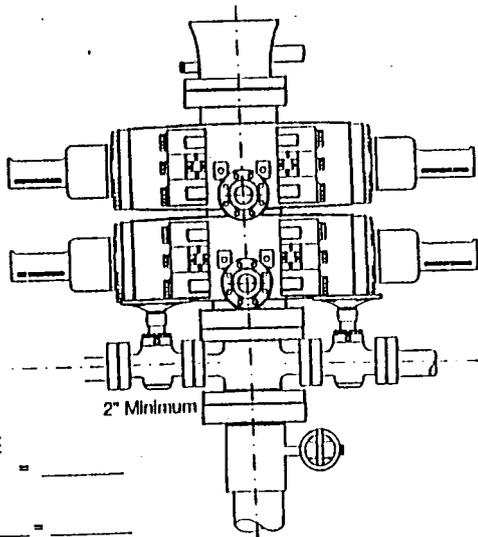
<b>CUT</b>	
(6") Topsoil Stripping	= 780 Cu. Yds.
Remaining Location	= 1,980 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 2,760 CU.YDS.</b>
<b>FILL</b>	<b>= 1,580 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,090 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

### 2-M SYSTEM

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



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

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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/10/97

API NO. ASSIGNED: 43-013-31989

WELL NAME: JONAH 8-7  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:  
 SENE 07 - T09S - R17E  
 SURFACE: 2046-FNL-0810-FEL  
 BOTTOM: 2046-FNL-0810-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: UTU - 44426

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

N Plat  
N Bond: Federal [ State [] Fee []  
 (Number 4488944)  
N Potash (Y/N)  
N Oil shale (Y/N)  
 Water permit  
 (Number GILSONITE STATE 7-22)  
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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



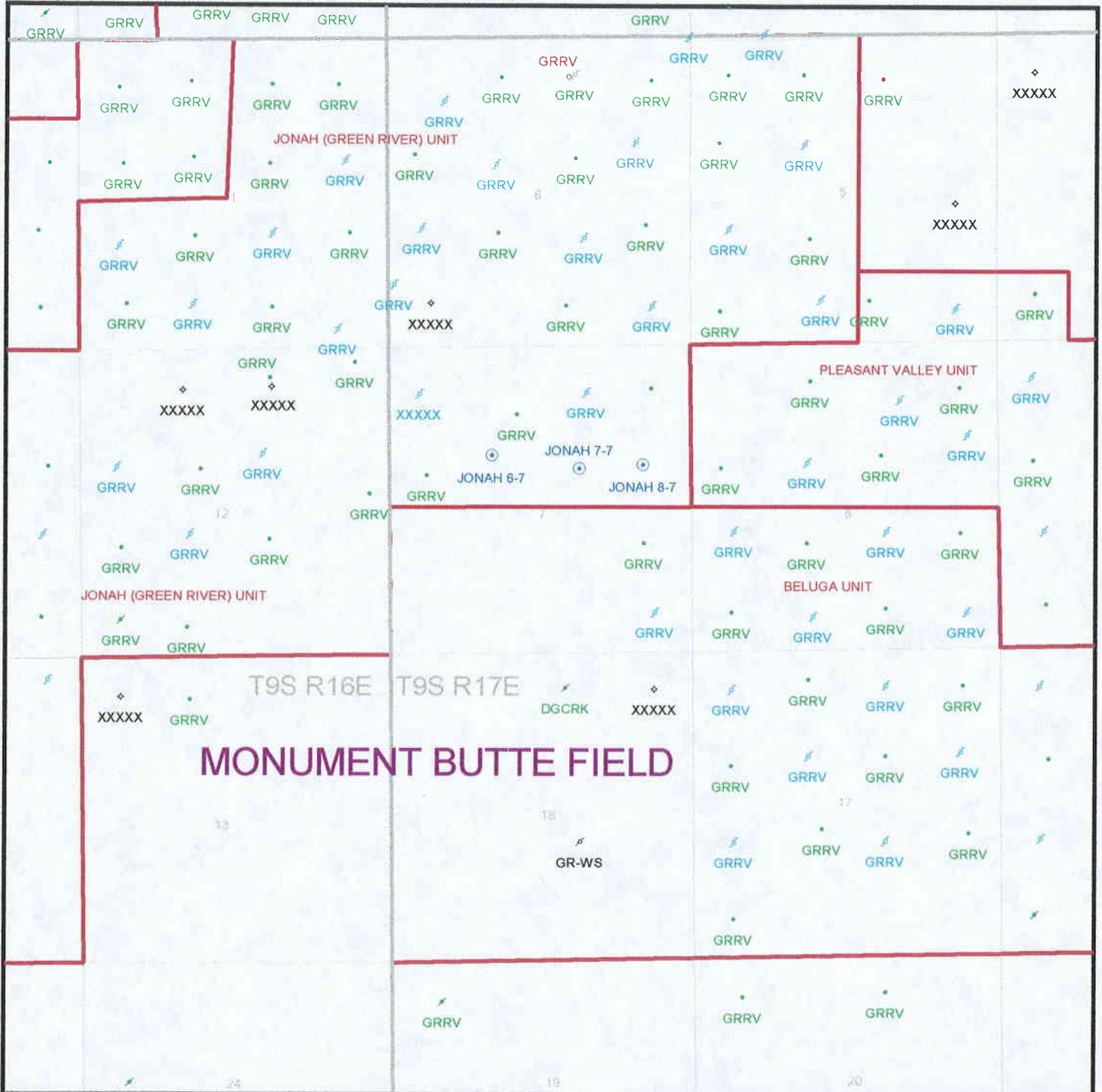
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. TWP. RNG.: SEC. 7, T9S, R17E

COUNTY: DUCHESNE UAC: R649-3-2



DATE PREPARED:  
11-NOV-1997

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

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

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)

**See Attached**

5. Lease Designation and Serial No.

**See Attached**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

**See Attached**

9. API Well No.

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

Abandonment

Change of Plans

Subsequent Report

Recompletion

New Construction

Final Abandonment Notice

Plugging Back

Non-Routine Fracturing

Casing repair

Water Shut-off

Altering Casing

Conversion to Injection

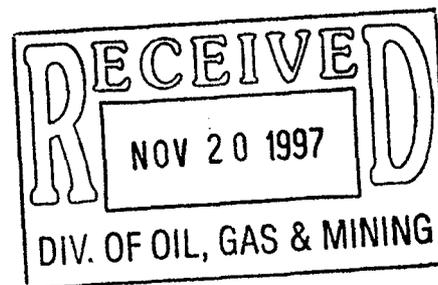
Other \_\_\_\_\_

Dispose Water

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

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

**Inland Production Company requests authorization to increase the size of the reserve pit(s), from 80' X 40' X 8' deep, to 90' X 40' X 8' deep, in order to help contain fluids in the pits, and to help eliminate traffic around the locations, for the following locations that have been submitted for APD approval, listed on the enclosed attachment.**



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

Signed *Cheryl Cameron*  
**Cheryl Cameron**

Title **Regulatory Compliance Specialist** Date **11/14/97**

(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**

The following locations were originally permitted for the reserve pit size to be 80' X 40' X 8' deep. Inland requests that the reserve pit (s) be enlarged to 90' X 40' X 8' deep:

<u>Lease No.</u>	<u>Name</u>	<u>Legal Description</u>
U-74390	Nine Mile #14-7	SE/SW Sec. 7, T9S, R16E
U-74390	Nine Mile #15-7	SW/SE Sec. 7, T9S R16E
U-74390	Nine Mile #4-6	NW/NW Sec. 6, T9S, R16E
U-74390	Nine Mile #13-6	SW/SW Sec. 6, T9S, R16E
U-74390	Nine Mile #5-6	SW/NW Sec. 6, T9S, R16E
U-30096	Wells Draw #1-4	NE/NE Sec. 4, T9S, R16E
U-30096	Wells Draw #7-4	SW/NE Sec. 4, T9S R16E
U-30096	Wells Draw #6-4	SE/NW Sec. 4, T9S, R16E
U-47171	Wells Draw #14A-34	SE/SW Sec. 34, T8S, R16E
U-74869	Tar Sands Federal #9-29	NE/SE Sec. 29, T8S R17E
U-76241	Tar Sands Federal #12-28	NW/SW Sec. 28, T8S, R17E
U-76240	Pariette Draw # 8-22	SE/NE Sec. 22, T8S, R17E
U-76240	Pariette Draw #9-22	NE/SE Sec. 22, T8S R17E
U-44426	Jonah #6-7	SE/NW Sec. 7, T9S, R17E
U-44426	Jonah #7-7	SW/NE Sec. 7, T9S, R17E
U-44426	Jonah #8-7	SE/NE Sec. 7, T9S, R17E
U-74805	S. Pleasant Valley #11-15	NE/SW Sec. 15, T9S, R17E
U-74805	S. Pleasant Valley #5-15	SW/NW Sec. 15, T9S, R17E
U-74805	S. Pleasant Valley #15-15	SW/SE Sec. 15, T9S R17E
U-34346	Hawkeye #9-23	NE/SE Sec. 23, T8S, R16E
U-34346	Hawkeye #10-23	NW/SE Sec. 23, T8S, R16E
U-34346	Hawkeye #14-23	SE/SW Sec. 23, T8S, R16E



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)

December 18, 1997

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

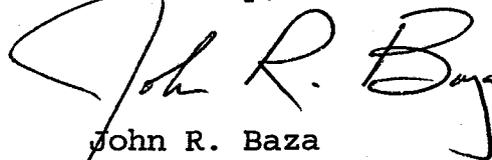
Re: Jonah 8-7 Well, 2046' FNL, 810' FEL, SE NE, Sec. 7, T. 9 S.,  
R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31989.

Sincerely,



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: Jonah 8-7  
API Number: 43-013-31989  
Lease: UTU-44426  
Location: SE NE Sec. 7 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact 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: JONAH 8-7

Api No. 43-013-31989

Section 7 Township 9S Range 17E County DUCHESNE

Drilling Contractor 4 CORNERS

Rig # 6

SPUDDED:

Date 1/15/98

Time \_\_\_\_\_

How ROTARY

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

Reported by MIKE WARD

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

Date: 1/15/98 Signed: JLT

✓

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO. UTU-44426 3563-A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. IF INDIAN, ALOTTEE OR TRIBE NAME

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]

7. UNIT AGREEMENT NAME

1b. TYPE OF WELL

OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME Jonah

2. NAME OF OPERATOR Inland Production Company

9. WELL NO. #8-7

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 SE/NE 2046' FNL & 810' FEL NOV 07 1997

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7, T9S, R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12.9 Miles south 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) 810'

16. NO. OF ACRES IN LEASE 440

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.) 5304.2' GR

22. APPROX. DATE WORK WILL START\* 1st Quarter 1998

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT/FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4" hole with 8 5/8" casing and 7 7/8" hole with 5 1/2" casing.

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

SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl2, 1/4# /sk Flocele

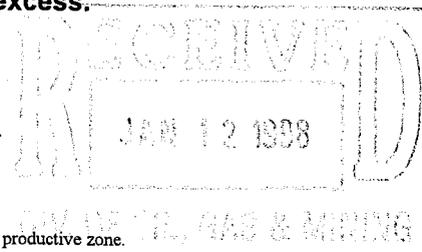
Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 Gal/sk

LONG STRING - Lead: Hibond 65 Modified

Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H2O Req: 18.08 Gal/sk

Tail: Premium Plus Thixotropic

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O 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 [Signature] Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 11/5/97

(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:

APPROVED BY [Signature] TITLE ACTING Assistant Field Manager Mineral Resources DATE JAN 06 1998

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

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

20040114



**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Inland Production Company

Well Name & Number: Jonah 8-7

API Number: 43-013-31989

Lease Number: U-3563-A

Location: SENE Sec. 7 T. 9S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the shallowest potential productive zone. 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** 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. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

Wayne Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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

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

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

## SURFACE USE PROGRAM

### Location Reclamation

The reserve pit and those portions of the location not needed for production facilities and/or operations shall be reclaimed and recontoured in accordance with the APD.

Stockpiled topsoil shall then be spread over the rehabilitated areas to approximate the original topsoil thickness. Stockpile enough topsoil near the reserve pit so that when the reserve pit is reclaimed, this can be spread over the reserve pit location.

Immediately after spreading, the rehabilitated areas and the remaining topsoil stockpile shall be seeded by broadcasting the seed and then walking the seed in with a crawler tractor.

Needle and Thread	Stipa comata	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
fourwing saltbush	Atriplex canescens	4 lbs/acre
Western wheatgrass	Agropyron smithii	2 lbs/acre

The seed mixture can be aerially broadcast then the dirt worker can use a crawler tractor to work the seed into the soil. All seed poundage are in Pure Live Seed. If broadcast the seed poundage shall be doubled.

Upon final abandonment if additional recontouring is needed for these areas previously reclaimed, the topsoil shall be removed prior to the final recontouring.

Recontour all disturbed areas to blend in appearance with the surrounding terrain.

All topsoil shall be spread over the recontoured surface and the surface reseeded with the seed mixture above.

### Other Information

To identify possible paleontological materials the operator is required to have a qualified paleontologist present during the construction of the location and access road.

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

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)  
**2046 FNL 810 FEL                      R17E**

5. Lease Designation and Serial No.  
**UTU-3563-A**

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

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

8. Well Name and No.  
**JONAH 8-7**

9. API Well No.  
**43-013-31989**

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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input 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>Surface Spud</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.)\*

MIRU ZCM Drlg. 8 hrs - Drl 12-1/4" hole to 305'. Spud well @ 1:40 pm, 1/13/98. LD DP & Hammer. RU & run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg (286'). Csg set @ 287'. RU Halliburton. Pmp 5 bbl gel w/dye & 15 bbl gel. Cmt w/120 sx Premium Plus w/2% CC, 2% gel & 1/2#/sk Flocele (14.8 ppg 1.37 cf/sk yield). Had 4 bbl cmt returns. Cmt level held. RD Halliburton. Drl mouse & rat hole for Four Corners #6. RDMO.

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

Signed Shannon Smith Title Engineering Secretary Date 1/22/98

(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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-3563-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 8-7

9. API Well No.

43-013-31989

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)

2046 FNL 810 FEL                      R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input 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 THE PERIOD OF 1/15/98 - 1/21/98**

MIRU Four Corners #6. 4 hrs – NU. 5-3/4 hrs – Test lines, valves, rams & manifold to 2000 psi, annular preventer to 1500 psi. Drl plug, cmt & GS. Spud Rotary Rig @ 8:15 am, 1/17/98. Drl 317' - 5700'.

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

Signed Sharon Smith Title Engineering Secretary Date 1/22/98

(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**

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-3563-A**

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

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

8. Well Name and No.  
**JONAH 8-7**

9. API Well No.  
**43-013-31989**

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)  
**2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E**

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

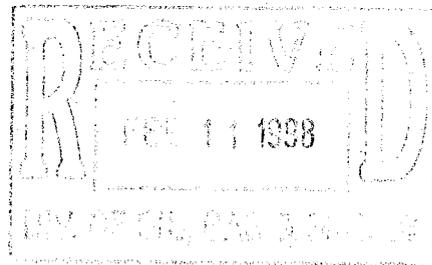
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input 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

(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 1/22/98 - 1/28/98**

Run 5-1/2" GS, 1 jt 5-1/2" csg (35'), 5-1/2" FC, 133 jt 5-1/2", 15.5#, J-55, LT & C csg (5675'). Csg set @ 5687'. RD Casers. RU Halliburton. C&C. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/300 sx Hibond 65 Modified (11.0 ppg 3.0 cf/sk yield) & tailed w/370 sx Thixotropic & 10% Calseal (14.2 ppg 1.59 cf/sk yield). Good returns until POB w/1700 psi @ 4:45 pm, 1/21/98. Est 18 bbl dye wtr to sfc. RD Halliburton. ND BOP's. Set slips w/92,000#. Dump & clean pits. Rig released @ 8:45 pm, 1/21/98. RDMOL.



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

Signed Shannon Smith Title Engineering Secretary Date 1/28/98

(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**

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

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)

**2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E**

5. Lease Designation and Serial No.

**U-3563-A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**JONAH 8-7**

9. API Well No.

**43-013-31989**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

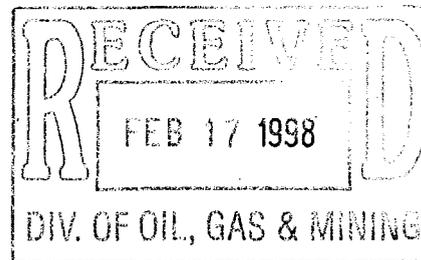
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 2/5/98 - 2/11/98**

Perf A sds @ 5013-16', 5018-20', 5031-37', 5063-65' & 5067-70'.

Perf YDC/D sd @ 4538-45' & 4622-29'.



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

Signed Shannon Smith Title Engineering Secretary Date 2/11/98

(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

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-3563-A**

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

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

8. Well Name and No.  
**JONAH 8-7**

9. API Well No.  
**43-013-31989**

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)  
**2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E**

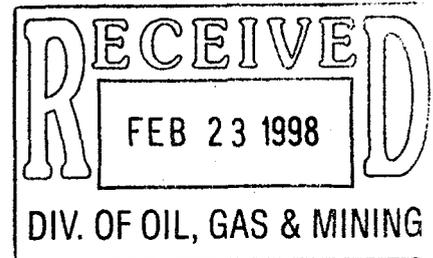
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input 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 direction-ally 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 2/12/98 - 2/18/98**

Swab well. Trip production tbg.  
Place well on production @ 2:30 PM, 2/13/98.



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Smith Title Engineering Secretary Date 2/19/98

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

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

ENTITY ACTION FORM - FORM 6

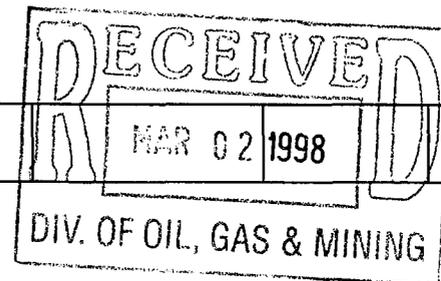
OPERATOR Coastal Oil & Gas Corporation

OPERATOR ACCT. NO. N 0230

ADDRESS P.O. Box 749

Denver, CO 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	02900	43-047-32999	CIGE #228-15-10-21	SWNE	15	10S	21E	Uintah	2/25/98	2/25/98
WELL 1 COMMENTS: (A-CIGE) Entity added 3-3-98. (Natural Buttes Unit/Wsmvd P.A.) <i>See</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											



ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- 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.

*Sheila Bremer*

Signature Sheila Bremer  
Title Environmental/Safety Analyst Date 2/26/98

Phone No. (303) 573-4455

OPERATOR Inland Production Company  
ADDRESS 475 17th St., Suite 1500  
Denver, CO 80202

OPERATOR ACCT. NO. W5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12299	43-013-31826	PARLETTE DRAW 8-22-8-17	SE/NE	22	8S	17E	Duchesne	1/11/98	1/11/98
WELL 1 COMMENTS: Spud well at Union, Rig #7 @ 12:00 am 1/11/98. Entities added 3-3-98. Lic											
B	99999	11492	43-013-31989	JONAH 8-7	SE/NE	7	9S	17E	Duchesne	1/13/98	1/13/98
WELL 2 COMMENTS: Spud well w/zcm Drilling @ 1:40 pm 1/13/98. Jonah Unit											
B	99999	11492	43-013-31988	JONAH 7-7	SW/NE	7	9S	17E	Duchesne	1/20/98	1/20/98
WELL 3 COMMENTS: Spud well w/zcm Drilling @ 11:30 am, 1/20/98. Jonah Unit											
A	99999	12300	43-013-31813	PARLETTE DRAW 9-22-8-17	NE/SE	22	8S	17E	Duchesne	1/21/98	1/21/98
WELL 4 COMMENTS: Spud well w/Union, Rig #7 @ 2:00 pm 1/21/98											
B	99999	12187	43-013-31986	HAWKEYE 14-23-8-16	SE/SW	23	8S	16E	Duchesne	1/23/98	1/23/98
WELL 5 COMMENTS: Spud well w/zcm drilling @ 3:00 pm, 1/23/98. Hawkeye Unit											

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.

Shannon Smith

Signature

Engineering Technician

Title Date

Phone No. 303, 376-8107

OPERATOR Inland Production Company  
 ADDRESS 475 17th St., Suite 1500  
Denver, CO 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					00	SE	TP	RG	COUNTY		
B	99999	12187	43-03-3984	HAWKEYE 9-23-8-16	NE/SE	23	8S	16E	Duchesne	1/26/98	1/26/98
LL 1 COMMENTS: Spud well w/zcm drilling @ 12:05 pm, 1/26/98. Address added 3-3-98. Lec HAWKEYE UNIT											
A	99999	12301	43-013-3991	S. PLEASANT VALLEY 11-15	NE/SW	15	9S	17E	Duchesne	1/26/98	1/26/98
LL 2 COMMENTS: Spud well w/union, Rig #17 @ 4:30 pm, 1/26/98.											
A	99999	12302	43-047-33015	ODEKIK SPRING 3-36	NE/NW	36	8S	17E	Uintah	1/30/98	1/30/98
LL 3 COMMENTS: Spud well w/union, Rig #7 1/30/98											
B	99999	12187	43-013-3985	HAWKEYE 10-23-8-16	NW/SE	23	8S	16E	Duchesne	2/4/98	2/4/98
4 COMMENTS: Spud well w/zcm drilling @ 7:30 pm, 2/4/98 HAWKEYE UNIT											
A	99999	12303	43-013-3992	S. Pleasant Valley 15-15	SW/SE	15	9S	17E	Duchesne	2/5/98	2/5/98
5 COMMENTS: Spud well w/union, Rig #17 @ 1:00 pm, 2/5/98.											

- ON COMES (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.

Sharon Smith  
 Signature  
 Engineering Technician  
 Title  
 Date  
 Phone No. 303, 376-8107

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved,  
Budget Bureau No. 1004-8137  
Expires August 31, 1985

RECEIVED  
MAR 16 1998  
DIV. OF OIL, GAS & MINING

1. NAME, TERMINATION AND SERIAL NO.  
**UTU-3563A**

2. IF INDIAN, CLUSTER OR TRIM NAME

3. UNIT ABBREVIATION NAME

4. LAND OR LEASE NAME  
**Jonah**

5. WELL NO.  
**# 8-7**

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

7. SEC. T., R., M. OR BLOCK AND SURVEY OR AREA  
**Sec. 7-T95-R17E**

8. COUNTY OR PARISH  
**Duchesne**

9. STATE  
**Utah**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

b. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  REPERFORATE

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

3. ADDRESS OF OPERATOR  
**410 17th Street, Suite 700, Denver CO 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **SE/NE**  
At top prod. interval reported below **2046' FNL + 810' FEL**  
At total depth

14. PERMIT NO. DATE ISSUED  
**43-013-31989 | 1-6-98**

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, OR, ETC.) 19. ELEV. CASINGHEAD  
**1-13-98 | 1-21-98 | 2-13-98 | 5316' KB, 5304' GL**

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS  
**5700' | 5652' | NA | Yes**

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (ME AND TVD) 25. WAS DIRECTIONAL SURVEY MADE  
**Green River 4538'-5070' | No**

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORNER  
**DIGLTSPI/GR/CAL; SDLTDN/GR; CBL 3-16-98 | No**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	ADDITIVE FILLED
8 5/8"	24# J-55	287'	12 1/4"	120 sx Premium	
5 1/2"	15.5# J-55	5687'	7 7/8"	300 sx Hibond and 370 sx Thixotropic	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT?	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5171'	

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

INTERVAL	SIZE	AMOUNT AND KIND OF MATERIAL USED
A Sand - 5013-16'; 5018-20'; 5031-37' 5063'-65'; 5067-70' 4 JSPF		111,400# 20/40 sd in 548 bolts Delta
YDC/D Sand - 4538-45'; 4622-29'		111,300# 20/40 sd in 535 Delta

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—also and type of pump)	WELL STATUS (Producing or shut in)
2-13-98	2 1/2" x 1 1/2" x 16" RHAC - Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD. FOR TEST PERIOD	OIL—BBL.	GAS—SCF.	WATER—BBL.	GAS-OIL RATIO
10 Day Avg	2-98			45	40	4	.889

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

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

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 Debbie Knight TITLE Permitting Specialist DATE 3-12-98

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

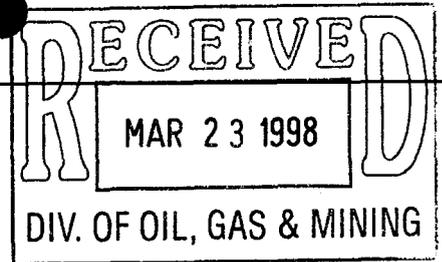
Received Time: Mar 4 10:28 AM

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

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3570'				
Garden Gulch 2	3885'				
Point 3	4142'				
X Marker	4395'				
Y Marker	4432'				
Douglas Crk	4562'				
Bi-Carb	4799'				
B-Lime	4920'				
Castle Peak	5389'				
Basal Carbonate	NDE				
TD	5700'				

Received Time Mar. 4. 10:28AM



March 18, 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  
Jonah #8-7  
Monument Butte Field, Jonah Unit, Lease #U-3563A  
Section 7-Township 9S-Range 17E  
Duchesne County, Utah

Dear Mr. Jarvis:

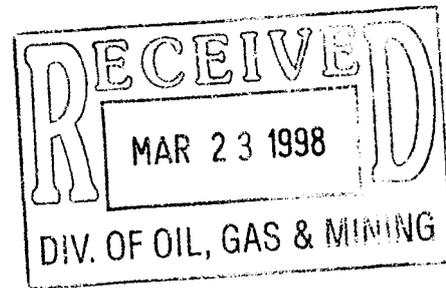
Inland Production Company herein requests the following approval(s):

1. Conversion of the Jonah #8-7 from a producing oil well to a water injection well in the Monument Butte (Green River) Field;
2. Installation of an injection flowline. The proposed water injection line would leave the Jonah #8-7 well and run approximately 2640' in a northerly direction, and tie into an existing line. The line would be a 3" coated steel pipe, buried 5' below the surface.

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**

**JONAH UNIT**

**JONAH #8-7**

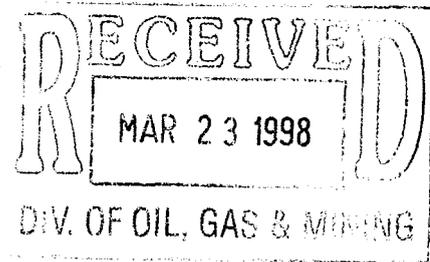
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**LEASE #U-3563A**

**MARCH 18, 1998**

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APPLICATION FOR INJECTION WELL - UIC FORM 1

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

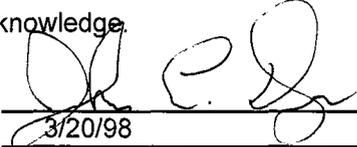
Well Name and number: Jonah #8-7  
Field or Unit name: Monument Butte (Green River) Jonah Unit Lease No. U-3563A  
Well Location: QQ SENE section 7 township 9S range 17E county Duchesne

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: 2/6/98  
API number: 43-013-31989

Proposed injection interval: from 4538' to 5070'  
Proposed maximum injection: rate 500 bpd pressure 2130 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 3/20/98  
Phone No. (303) 292-0900

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

Comments:

# Jonah #8-7

Spud Date: 1-13-98  
 Put on Production: 2-13-98  
 GL: 5304' KB: 5316'

Initial Production: 45 BOPD, 40  
 MCFD, 4 BOPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt; est 4 bbl cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5695')  
 DEPTH LANDED: 5687'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Hibond & 370 sxs Thixotropic  
 CEMENT TOP AT:

### Tubing Record

2-7/8", M-50, 6.5#  
 150 jts  
 Tubing Anchor: 4979'  
 SN @ 5104' KB

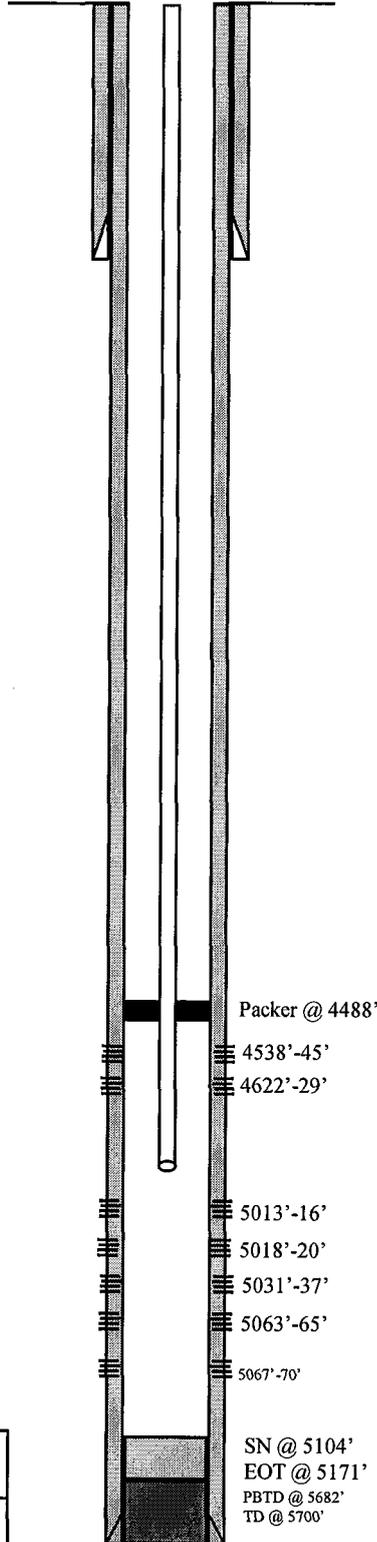
### Sucker Rods

Pump Size:  
 Stroke Length:  
 Pumping Speed:  
 Logs: DIGL/SP/GR/CAL (5695'-298')  
 SDL/DSN/GR (5670'-3000')

### FRAC JOB

2-8-98 5013'-5070' Frac A sand as follows:  
 111,400# 20/40 sand in 548 bbls Delta Frac. Breakdown @ 2700 psi. Treated w/avg press of 2130 psi w/avg rate of 30.8 BPM. ISIP-2176 psi, 5 min 1984 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

2-11-98 4538'-4629' Frac D/YDC sands as follows:  
 111,300# 20/40 sand in 535 bbls Delta Frac. Breakdown @ 2652psi. Treated w/avg press of 2050 psi w/avg rate of 30.2 BPM. ISIP-2337 psi, 5 min 2220 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.



### PERFORATION RECORD

Date	Depth Range	SPF	Holes
2-7-98	5013'-5016'	4 SPF	12 holes
2-7-98	5018'-5020'	4 SPF	8 holes
2-7-98	5031'-5037'	4 SPF	24 holes
2-7-98	5063'-5065'	4 SPF	8 holes
2-7-98	5067'-5070'	4 SPF	12 holes
2-10-98	4538'-4545'	4 SPF	28 holes
2-10-98	4622'-4629'	4 SPF	28 holes

SN @ 5104'  
 EOT @ 5171'  
 PBTB @ 5682'  
 TD @ 5700'



**Inland Resources Inc.**

**Jonah #8-7**

2046 FNL 810 FWL

SENE Section 7-T9S-R17E

Duchesne Co, Utah

API #43-013-31989; Lease #UTU-3563A

## **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 Jonah #8-7 from a producing oil well to a water injection well in the Monument Butte (Green River) Field; and to install an injection line. The proposed water injection line would leave the Jonah #8-7 well and run approximately 2640' in a northerly direction, and tie into an existing line. The line would be a 3" coated steel pipe, buried 5' below the surface. See Attachment D.

**2.4 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.

**2.5 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 Jonah #8-7 well, the proposed injection zone is from 4538'-5070'. 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 4538'.

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

The referenced log for the Jonah #8-7 is on file with the Utah Division of Oil, Gas and Mining.

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

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.

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

See Attachment B.

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

See Attachment C.

- 2.10 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 <sup>Federal</sup> ~~State~~ lease (Lease #U-3563A), in the Monument Butte (Green River) Field, Jonah Unit, and this request if 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 287' GL, and the 5-1/2" casing run from surface to 5687' 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 2130 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 Jonah #8-7, for proposed zones (4538' – 5070') calculates at .86 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 2130 psig. See Attachment G thru G-2.

**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 Jonah #8-7, the injection zone (4538'-5070') 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-10.

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

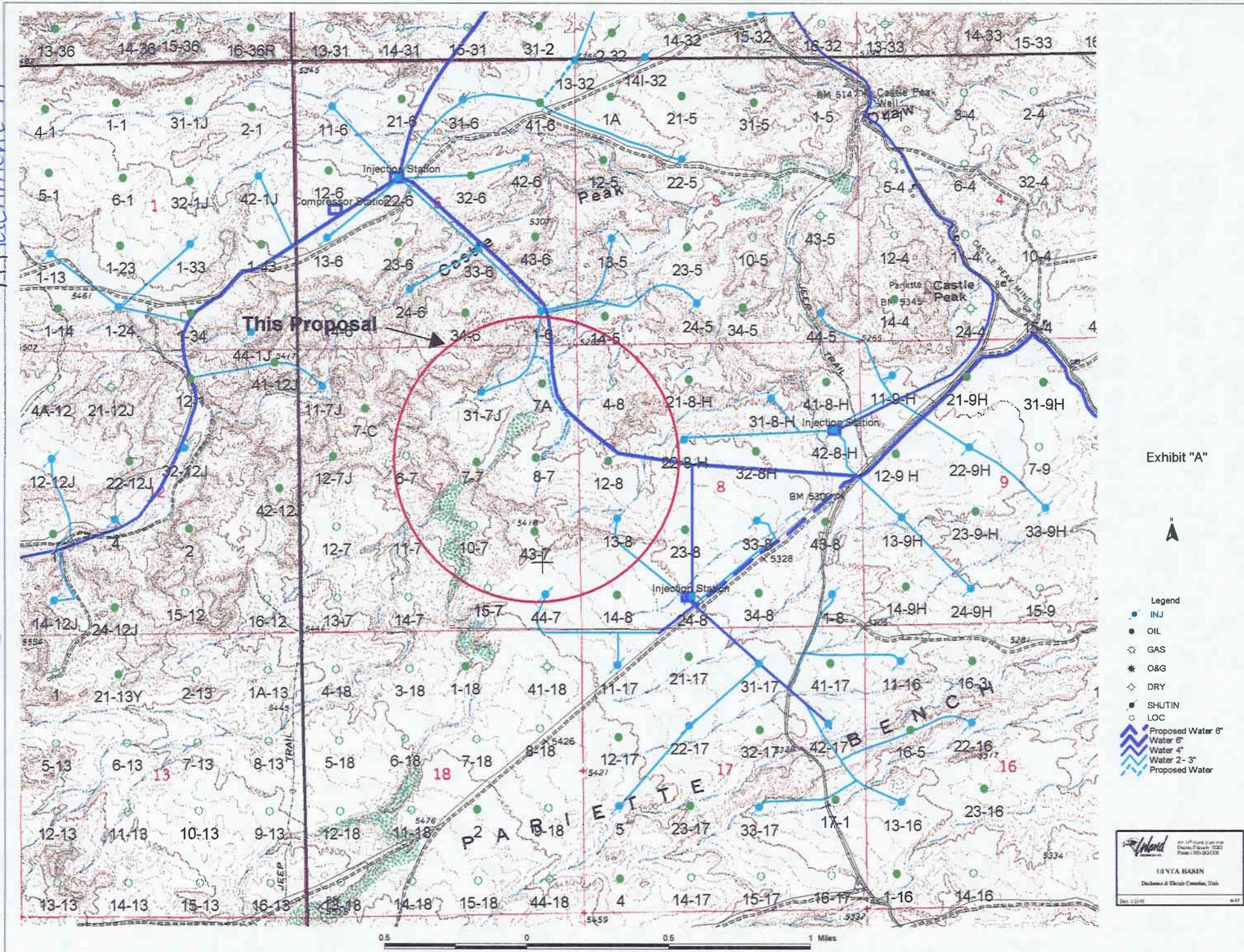


Exhibit "A"



- Legend
- INJ
  - OIL
  - ☆ GAS
  - ★ O&G
  - ◇ DRY
  - SHUTIN
  - LOC
  - ▬ Proposed Water 6"
  - ▬ Proposed Water 4"
  - ▬ Proposed Water 2-3"
  - ▬ Proposed Water

**Inland**  
an Inflow Energy Group  
Company, a subsidiary of Inflow Energy Group, Inc.  
10000 E. 1st Avenue, Suite 1000  
Denver, Colorado 80231  
Phone: 303-393-0000

**INETA BARIN**  
District & District Control Unit

DATE: 1/22/18

0.5 0 0.5 1 Miles

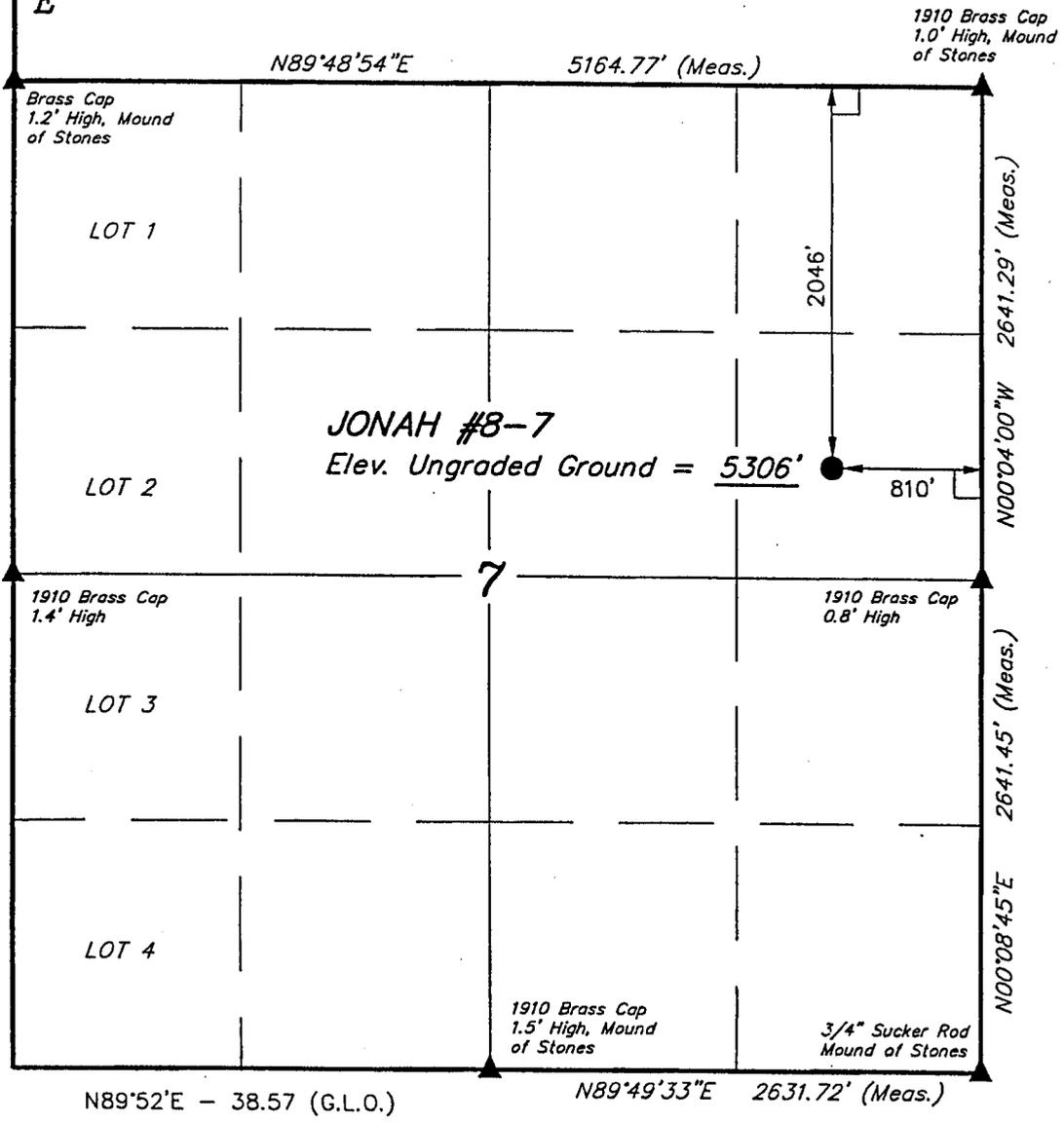
R  
16  
E

R  
17  
E

T9S, R17E, S.L.B.&M.

NORTH - G.L.O. (Basis of Bearings)  
2641.68' (Measured)

NORTH - (G.L.O.)



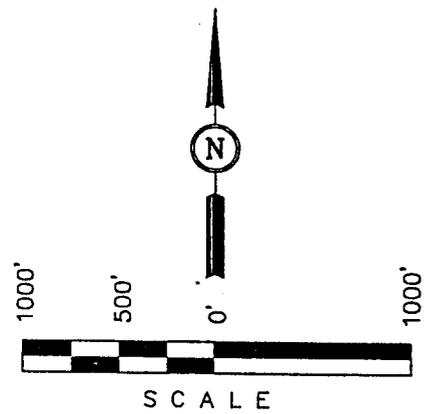
- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

INLAND PRODUCTION CO.

Well location, JONAH #8-7, located as shown in the SE 1/4 NE 1/4 of Section 7, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 7, T9S, R17E, 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 5265 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 J. Key*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 961319  
STATE OF UTAH

<p><b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017</p>		
SCALE 1" = 1000'	DATE SURVEYED: 09-25-97	DATE DRAWN: 10-03-97
PARTY D.A. K.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO.	

Attachment A-1

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 17 East Section 7: SE/4NE/4	UTU-3563A HBP	Inland Production Company	(Surface Rights) USA
2	Township 9 South, Range 17 East Section 6: All	UTU-020252-A HBP	Inland Production Company	(Surface Rights) USA

Attachment B  
(Pg 1 of 3)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3	Township 9 South, Range 17 East Section 5: Lots 4, 5, S/2NW/4, SW/4	UTU-020252 HBP	Inland Production Company	(Surface Rights) USA
4	Township 9 South, Range 17 East Section 8: NW/4NW/4	UTU-10760 HBP	Inland Production Company	(Surface Rights) USA
5	Township 9 South, Range 17 East Section 8: NE/4, NE/4NW/4, S/2NW/4	UTU-72105 HBP	Inland Production Company	(Surface Rights) USA
6	Township 9 South, Range 17 East Section 8: SW/4, N/2SE/4, SW/4SE/4 Section 17: SW/4	UTU-74108 HBP	Inland Production Company Fred Lieber	(Surface Rights) USA

Attachment B  
(Pg 2 of 3)

EXHIBIT B

Page 3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
7	Township 9 South, Range 17 East Section 7: E/2SW/4, SE/4 Section 17: N/2, W/2SE/4 Section 18: Lots 1-4, E/2W/2, NE/4NE/4, S/2NE/4, NE/4SE/4, S/2SE/4	UTU-72106 HBP	Inland Production Company	(Surface Rights) USA
8	Township 9 South, Range 17 East Section 8: SW/4, N/2SE/4, SW/4SE/4 Section 17: SW/4	UTU-44426 HBP	Inland Production Company Devon Energy Corporation Snyder Oil Corporation Trans Republic Energy, L.C. Bonaventure Resources, Inc. Petroleum Technical Services Lynn Cowden Texaco Exploration and Production, Inc.	(Surface Rights) USA

Attachment B  
(Pg 3 of 3)

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah #8-7

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 18<sup>th</sup> day of March, 1998.

Notary Public in and for the State of Colorado: Patsy A. Barreau



My Commission Expires 11/14/2000

# Jonah #8-7

Spud Date: 1-13-98  
 Put on Production: 2-13-98  
 GL: 5304' KB: 5316'

Initial Production: 45 BOPD, 40 MCFD, 4 BOPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt; est 4 bbl cmt to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5695')  
 DEPTH LANDED: 5687'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Hibond & 370 sxs Thixotropic  
 CEMENT TOP AT:

**Tubing Record**

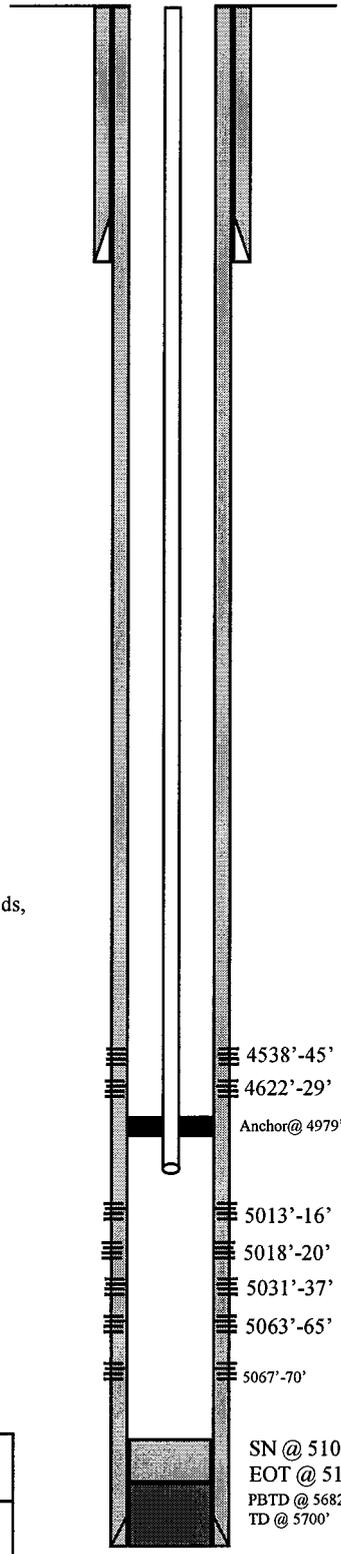
2-7/8", M-50, 6.5#  
 150 jts  
 Tubing Anchor: 4979'  
 SN @ 5104' KB

**Sucker Rods**

4-1 1/2" wt rods, 4-3/4" scraped, 100-3/4" plain rods,  
 95-3/4" scraped, 1-8', 1-4"x3/4" pony,  
 1-22'x1-1/2" polish rod  
 Pump Size: 2"x1-1/2"x16' RHAC  
 Stroke Length: 74"  
 Pumping Speed: 4.5 SPM  
 Logs: DIGL/SP/GR/CAL (5695'-298')  
 SDL/DSN/GR (5670'-3000')

**FRAC JOB**

2-8-98 5013'-5070' **Frac A sand as follows:**  
 111,400# 20/40 sand in 548 bbls Delta Frac. Breakdown @ 2700 psi. Treated w/avg press of 2130 psi w/avg rate of 30.8 BPM. ISIP-2176 psi, 5 min 1984 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.  
 2-11-98 4538'-4629' **Frac D/YDC sands as follows:**  
 111,300# 20/40 sand in 535 bbls Delta Frac. Breakdown @ 2652psi. Treated w/avg press of 2050 psi w/avg rate of 30.2 BPM. ISIP-2337 psi, 5 min 2220 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.



**PERFORATION RECORD**

Date	Depth Range	SPF	Holes
2-7-98	5013'-5016'	4 SPF	12 holes
2-7-98	5018'-5020'	4 SPF	8 holes
2-7-98	5031'-5037'	4 SPF	24 holes
2-7-98	5063'-5065'	4 SPF	8 holes
2-7-98	5067'-5070'	4 SPF	12 holes
2-10-98	4538'-4545'	4 SPF	28 holes
2-10-98	4622'-4629'	4 SPF	28 holes

SN @ 5104'  
 EOT @ 5171'  
 PBT @ 5682'  
 TD @ 5700'



**Inland Resources Inc.**

**Jonah #8-7**

2046 FNL 810 FWL  
 SENE Section 7-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31989; Lease #UTU-3563A

# Jonah #7-7

Initial Production: 79 BOPD, 60 MCFD, 5 BOPD

Spud Date: 1-20-98  
 Put on Production: 2-13-98  
 GL: 5307' KB: 5319'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 295'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt; est 8 bbl cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5679')  
 DEPTH LANDED: 5690'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sk Hibond & 315 sxs Thixotropic  
 CEMENT TOP AT:

### Tubing Record

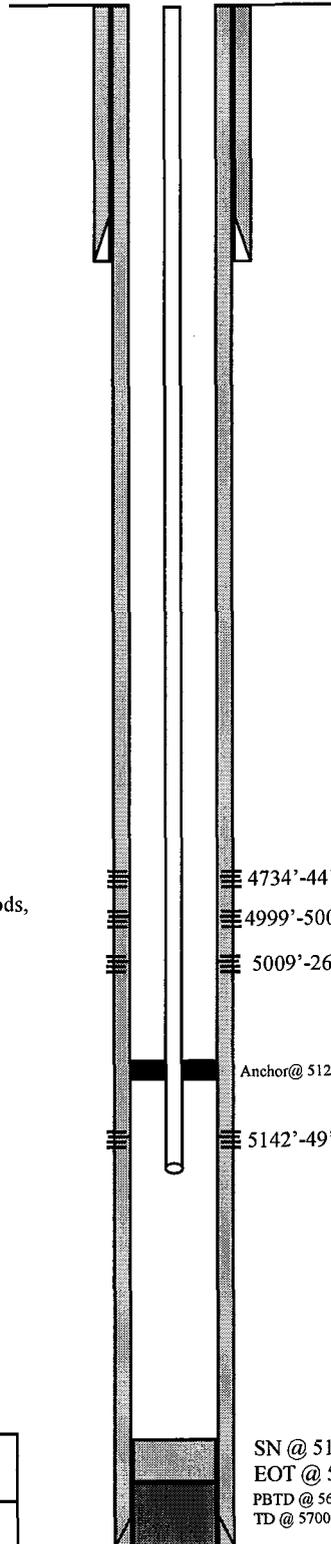
2-7/8", M-50, 6.5#  
 164 jts  
 Tubing Anchor: 5122'  
 SN @ 5188' KB

### Sucker Rods

4-1 1/2" wt rods, 4-3/4" scraped, 103-3/4" plain rods,  
 95-3/4" scraped, 1-8", 1-6", 1-4"x3/4" pony,  
 1-22"x1-1/2" polish rod  
 Pump Size: 2"x1-1/2"x16' RHAC  
 Stroke Length: 74"  
 Pumping Speed: 4 SPM  
 Logs: DIGL/SP/GR/CAL (5698'-308')  
 SDL/DSN/GR (5664'-3000')

### FRAC JOB

2-8-98 4999'-5149' Frac A/LDC sands as follows:  
 127,200# 20/40 sand in 606 bbls Delta Frac. Breakdown @ 2172 psi. Treated w/avg press of 1965 psi w/avg rate of 35.4 BPM. ISIP-2232 psi, 5 min 2062 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.  
 2-11-98 4734'-4744' Frac C sand as follows:  
 111,400# 20/40 sand in 540 bbls Delta Frac. Breakdown @ 2477 psi. Treated w/avg press of 1900 psi w/avg rate of 25.9 BPM. ISIP-2437 psi, 5 min 22450 psi. Flowback on 12/64" ck for 4 hrs & died.



### PERFORATION RECORD

Date	Depth Range	SPF	Holes
2-7-98	4999'-5002'	4 SPF	12 holes
2-7-98	5009'-5026'	4 SPF	68 holes
2-7-98	5142'-5149'	4 SPF	28 holes
2-10-98	4734'-4744'	4 SPF	40 holes

SN @ 5188'  
 EOT @ 5256'  
 PBTB @ 5637'  
 TD @ 5700'



**Inland Resources Inc.**

**Jonah #7-7**

2111 FNL 1905 FEL  
 SWNE Section 7-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31988; Lease #UTU-44426

Spud Date: 5-29-84  
 Put on Production: 7-3-84  
 GL: 5279' KB: ?

# Getty #7-A

Initial Production: 23 BOPD, 23 MCFD, 20 BOPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: ?  
 DEPTH LANDED: 252'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 186 sxs Class "H" cmt; est 8 bbl cmt to surface

**PRODUCTION CASING**

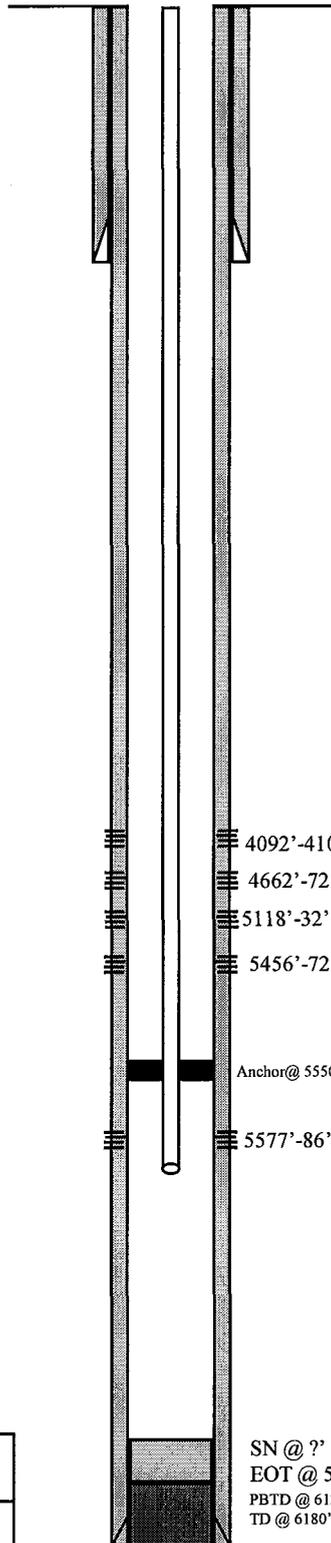
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 155 jts  
 DEPTH LANDED: 6131'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 333 sxs Hi-Lite & 608 sxs Class "G"  
 CEMENT TOP AT: 1400'

**Tubing Record**

2-7/8", J-55, 4.7#  
 179 jts landed @ 5578'  
 Tubing Anchor: 5550'  
 SN @ ?' KB

**Sucker Rods**

222-3/4" plain rods,  
 1-22'x1-1/2" polish rod  
 Pump Size: 2"x1-1/4"x17' RHAC  
 Stroke Length: ?"  
 Pumping Speed: ? SPM  
 Logs:



**FRAC JOB**

6-27-84	5132'-5577'	<b>Frac as follows:</b> 100,000# 20/40 sd w/39,500 gals 40 Apollo. ISIP-1400 psi, 5 min 1400 psi. Avg rate of 37 BPM w/avg press of 1800 psi.
9-30-84	4092'-4109'	<b>Frac as follows:</b> 70,000# 20/40 sd. Avg rate of 40 BPM w/avg press of 2000 psi. ISIP-1960 psi, 5 min 1580 psi.
9-23-84	4662'-4672'	<b>Frac as follows:</b> 69,000# 20/40 sd. Avg rate of 40 BPM w/avg press of 2400 psi. ISIP-1650 psi, 5 min 1250 psi.

**PERFORATION RECORD**

Date	Depth Range	SPF	Holes
9-23-84	4662'-4672'	4 SPF	40 holes
9-29-84	4092'-4109'	4 SPF	68 holes
6-24-84	5577'-5586'	4 SPF	28 holes
6-24-84	5456'-5472'	4 SPF	24 holes
6-24-84	5118'-5132'	4 SPF	56 holes

SN @ ?'  
 EOT @ 5578'  
 PBTD @ 6139'  
 TD @ 6180'



**Inland Resources Inc.**

**Getty #7-A**

6641 FEL 761 FNL  
 NENE Section 7-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30926; Lease #U-44426

BALCRON MONUMENT FEDERAL #31-7J  
 NW NE SEC.7, T9S, R17E  
 831' FNL & 1782' FEL  
 Lease No. U-44426  
 MONUMENT BUTTE FIELD/JONAH UNIT  
 DUCHESNE COUNTY, UTAH

BALCRON OIL  
 1-10-94 JZ

Injection well Completion Diagram

Elev.GR @ 5295'  
 Elev.KB @ 5308' (13' KB)

SURFACE CASING

8 5/8", J-55, 24#  
 Six joints @ 279.08'  
 Landed @ 282'KB  
 Cemented w/150 sxs Class "G"  
 Cement to surface  
 Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", K-55, 15.5#  
 132 jts @ 5678.16'  
 Landed @ 5691.86'KB  
 Cemented w/132 sxs Hilift &  
 239 sxs Class "G"  
 Cement Top @ 1830'KB from Daily Report  
 Hole Size @ 7 7/8"

TUBING/INJECTION STRING

2 7/8", 6.5#, J-55  
 155 jnts @ 4824.13'  
 SN @ 2 7/8" X 1.1' (2.25" ID)  
 5.5" Arrow Set-1 Pkr @ 7.00'  
 Total String Length @ 4832.23'  
 SN Landed @ 4838.23' KB  
 Packer Landed @ 4845.23' KB

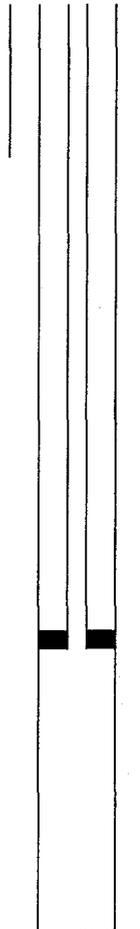
2 7/8" SN ID @ 2.25".  
 Arrow Set-1 Pkr set w/ 16" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83  
 w/ 60 STBW.

Proposed Injection Horizons

4903' - 4910'	(7')	2 SPF	GREEN1
4914' - 4917'	(3')	2 SPF	GREEN1
5050' - 5055'	(5')	2 SPF	GREEN3
5062' - 5064'	(2')	2 SPF	GREEN3
5080' - 5086'	(6')	2 SPF	GREEN4
5100' - 5106'	(6')	2 SPF	GREEN4

Tracer Survey ran 12-19-94.

46%  
 24%  
 30%



EPA PERMIT NO.:  
 UTAH CAUSE NO.:

UT2642-04211  
 UIC-149

<-- 282' KB

- Uinta Formation Surface to 1400'

- Green River Formation 1400' to 4100'

<-- Arrow Set-1 Packer @ 4845' KB

PERFORATION RECORD

4903' - 4910'	(7')	2 SPF	GREEN1
4914' - 4917'	(3')	2 SPF	GREEN1
5050' - 5055'	(5')	2 SPF	GREEN3
5062' - 5064'	(2')	2 SPF	GREEN3
5080' - 5086'	(6')	2 SPF	GREEN4
5100' - 5106'	(6')	2 SPF	GREEN4

- Douglas Creek Member 4100 - 5350 ft.  
 - Wasatch Fm. Transition 5350 - 6000ft.

PBTD @ 5645' KB  
 TD @ 5700' KB  
 - Wasatch Formation 6000 ft.



Elev.GR - 5385' GL  
Elev.KB - 5399' KB (14' KB)

MOCOM FEDERAL #44-7  
SE SE Sec.7, T9S, T17E  
663' FEL, 670' FSL  
Lease #UTU-72105  
Monument Butte Field (Beluga Unit)  
Duchesne County, Utah

Attachment E-4

WELLBORE DIAGRAM

DATE : 11/13/95 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24 #  
LENGTH: 257.47' (6 fts)  
DEPTH LANDED: 273.35' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs class "G" w/ 2% CaCl2 + 1 #sk D-29 Good Returns.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5 #  
LENGTH: 141 fts (5734.73')  
DEPTH LANDED: 5732' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sxs Class "G" w/ 12% gel + 3% salt + 1%O79 + 0.75% Q112, Tailed w/ 416 sxs RFC w/ 5# O42

CEMENT TOP AT: 510' KB from CBL

**TUBING**

SIZE/GRADE/WT.: 2-3/8", J-55, 4.7 #  
NO. OF JOINTS:  
TUBING ANCHOR:  
NO. OF JOINTS:  
SEATING NIPPLE:  
PERFORATED SUB:  
MUD ANCHOR:  
STRING LENGTH:  
SN LANDED AT: 5558' KB  
EOT: 5592' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" X 16'  
SUCKER RODS: 192 - 3/4" X 25' PLAIN  
26 - 3/4" X 25' SCRAPERED  
STRING LENGTH: 5462'  
PUMP NUMBER:  
PUMP SIZE: 2" X 1-1/2" X 16' RWAC TOP CUP  
STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT: LUFKIN 160 CMI  
PRIME MOVER:

LOGS: Compensated Density Dual  
Spaced Neutron Log,  
Dual Induction Guard Log,  
Cement Bond Log

273' KB

TOC  
@ 510' KB

4304' - 4314'

4730' - 4740'

5044' - 5053'  
5080' - 5088'

5442' - 5452'

SN LANDED @ 5558' KB  
EOT LANDED @ 5592' KB

PBTD @ 5690' KB  
TD @ 5750' KB

**ACID JOB /BREAKDOWN**

5442' - 5452' 6/30/82 Could not pump into formation, reper'd the same. Still cannot pump into formation.  
4304' - 4314' 8/1/82 1000 gal 15% HCl acid, flushed w/ 745 gal 2% KCl wr. ATP-2900 psi, Max-3100 psi. ATR-6 bpm, Max-6 bpm. ISIP-1200 psi, 15min-1100 psi.

**FRAC JOB**

5080' - 5088' 7/1/82 2000 gal 15% WFC acid at 1700 psi, 10 bpm. Followed by 25,000 gal Apollo 40 w/ 50,500# 20/40. flush w/ 5040 gal 2% KCl wr. ATP-2200 psi, Max-3600#, ATR-30 bpm, Max-32 bpm, ISIP-1700 psi, 15min-1500 psi, 20min-1500 psi.  
4730' - 4740' 7/14/82 1000 gal 15% WFC1 acid at 1800 psi, 7 bpm. ISIP-1800 psi. Followed by 12,500 gal Apollo 40 w/ 20,500# 20/40. Flush w/ 4746 gal 2% KCl wr. ATP-1906 psi, Max-2400#, ATR-10 bpm, Max-10, ISIP-1800 psi, 15min-1550, 20min-1550 psi.  
4304' - 4314' 8/3/82 11,500 gal Apollo 40 w/ 20,500# 20/40. Flushed w/ 4326 gal 2% KCl wr. ATP-1550 psi, Max-1750#, ATR-10 bpm, Max-10 bpm, ISIP-1550 psi, 15 min-1400 psi, 20 min-1375 psi.  
5442' - 5452' APR-83 Stress fraced and swab tested. Isolated from other zones w/ packer, treated w/ 23,000 gal gel w/ 48,000# 20/40 sand. No other information.

**PERFORATION RECORD**

4304' - 4314' 7/31/82 (10') 2 SPF 21 holes Y5  
4730' - 4740' 7/14/82 (10') 2 SPF 21 holes R5  
5044' - 5053' 6/30/82 ( 9') 2 SPF 19 holes G4  
5080' - 5088' 6/30/82 ( 8') 2 SPF 17 holes G5  
5442' - 5452' 6/30/82 REPERFORATE 21 HOLES  
5442' - 5452' 6/29/82 (10') 2 SPF 21 holes B1

# Balcron Monument Federal #43-7

Spud Date: --/--  
 Put on Production: --/--  
 GL: 5399.4' KB:5909.4'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 10 jts. (412.85')  
 DEPTH LANDED: 421'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 250 sxs class "G" cmt + 1/4 # / sk cello-seal + 2%CCI

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5754.68')  
 DEPTH LANDED: 5750'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 203 sxs Class "G" tailed w/ 327 sxs 50/50 Poz + 2% gel + 10% salt + 1# /sk cello-seal.  
 CEMENT TOP AT: 1400

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J - 55 / 6.5#  
 NO. OF JOINTS: 138 jts (4292.58')  
 TUBING ANCHOR: ?'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 4866.37')  
 SN LANDED AT: 4866.64'

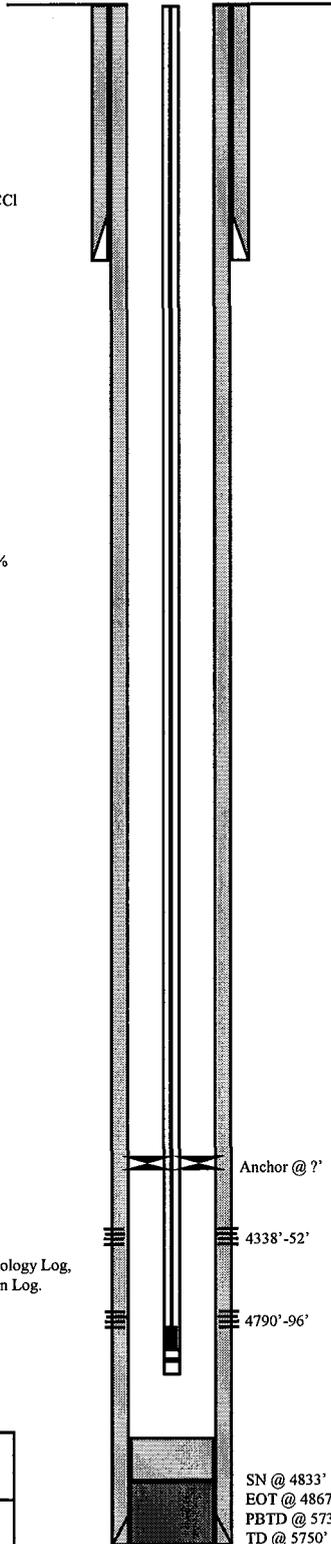
**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 193-3/4" plain rods D - 61  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC w/ PA plunger  
 STROKE LENGTH: 89"  
 PUMP SPEED, SPM: 4 - 3/4 SPM  
 PUMPING UNIT SIZE: Lufkin LM 228D - 213 - 86T  
 PRIME MOVER: Ajax E - 42 CMA  
 LOGS: Dual Laterlog, GR, Collar Log, NSFL, Integrated Porosity Lithology Log, Side Wall Core, Azimuthal Laterlog-Gamma Ray w/ Linear Correlation Log.

**FRAC JOB**

03/17/95 4790'-4796' **Frac R5 sand as follows:**  
 6250 gal 2% KCl gel w/ 16200# 16/30.  
 Flush w/ 966 gal 2% KCl wr.  
 SCREENED OUT w/ 5# on formation.  
 ATP-2750 psi, Max-5000#, ATR-19.8 bpm, Max-22.5 bpm, No ISIP recorded on screen out.

03/21/94 4338'-4352' **Frac Y5 sand as follows:**  
 10630 gal 2% KCl gel w/ 23600# 16/30.  
 Flush w/ 1134 gal 2% KCl wr.  
 SCREENED OUT w/ 15500# on formation, 5670# of 5# on formatin.  
 ATP-2850 psi, Max-5200psi, ATR-25 bpm, Max-25.4 bpm, No ISIP recorded on screen out.



**PERFORATION RECORD**

03/21/94 4338'-4352' 4 JSPF  
 03/17/94 4790'-4796' 4 JSPF

SN @ 4833'  
 EOT @ 4867'  
 PBTB @ 5736'  
 TD @ 5750'



**Inland Resources Inc.**

**Balcron Monument Federal #43-7**

1850 FSL 850 FEL  
 NWNW Section 7-T9S-R17E  
 Duchesne Co, Utah  
 API #: Lease #UTU - 72106

# Federal #12-8H

Spud Date: 9/1/82  
 Put on Prduction: 1/21/83  
 GL: 5302' KB: 5316'

Initial Production: 97 BOPD, 132 MCFPD,  
 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 36#  
 LENGTH: 8 jts  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 322 sx w/cmt to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: N-80  
 WEIGHT: 17#  
 LENGTH: 154 jts (6147')  
 DEPTH LANDED: 6147'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 100 sk Hilift & 780 sxs Dowell RFC  
 CEMENT TOP AT: 1220'

**TUBING**

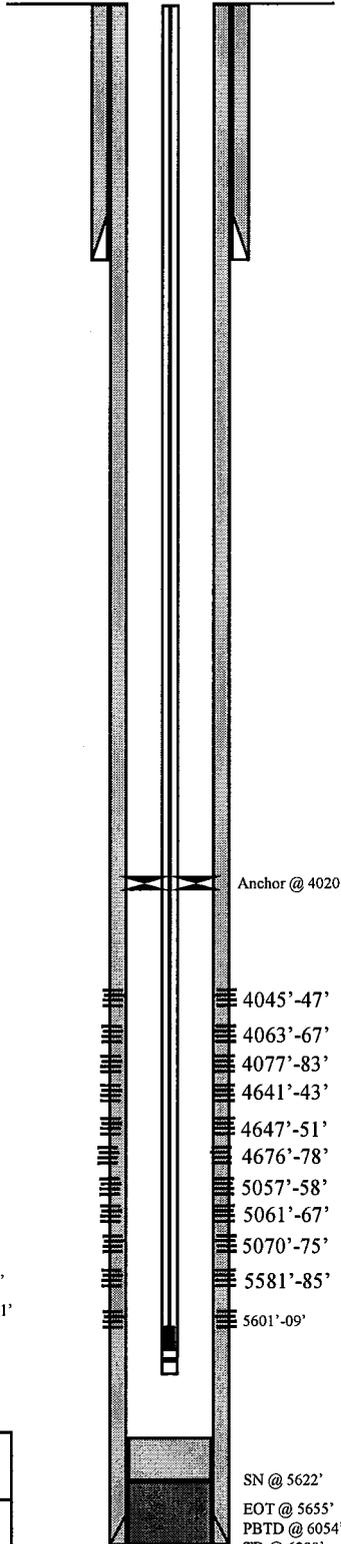
SIZE/GRADE/WT.: 6.5#, J-55  
 NO. OF JOINTS: 176 jts (5655')  
 TUBING ANCHOR: 4019.53'  
 SEATING NIPPLE:  
 MUD ANCHOR:  
 TOTAL STRING LENGTH: ? (EOT @ 5655')  
 SN LANDED AT: 5622'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT SIZE: ?  
 PRIME MOVER: ?  
 LOGS: DIL/GR/SP 322'-6188'  
 FDC/CNL/GR/CAL 3000'-6161'

**FRAC JOB**

5581'-5609' Frac w/25,450 gals Versagel w/74,000#  
 20/40 sd. ISIP-1600 psi.  
 5057'-5075' Frac w/29,650 gals Versagel w/99,000#  
 20/40 sd. ISIP-2220 psi.  
 4641'-4678' Frac w/ 27,150 gals Versagel w/84,000#  
 20/40 sd. ISIP-2100 psi.  
 4045'-4083' Frac w/33,750 gals Versagel w/130,000#  
 20/40 sd. ISIP-1750 psi.



**PERFORATION RECORD**

Date	Depth Range	Holes
12-29-82	4045'-4047'	3 holes
12-29-82	4063'-4067'	5 holes
12-29-82	4077'-4083'	7 holes
12-23-82	4641'-4643'	3 holes
12-23-82	4647'-4651'	9 holes
12-23-82	4676'-4678'	3 holes
12-21-82	5057'-5058'	2 holes
12-21-82	5061'-5067'	7 holes
12-21-82	5070'-5075'	6 holes
12-18-82	5581'-5585'	5 holes
12-18-82	5601'-5609'	9 holes

**Inland Resources Inc.**

**Federal #12-8H**

2129 FNL 537 FWL

SWNW Section 8-T9S-R17E

Duchesne Co, Utah

API #43-013-30680; Lease #U-10760

# Balcron Monument Federal #13-8H

Spud Date: 10/27/93  
 Put on Prduction: 12/17/93  
 GL: 5323.4' KB: 5336.4'

Injection Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (225.83')  
 DEPTH LANDED: 282'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sx Class "G" w/cmt to surface

**PRODUCTION CASING**

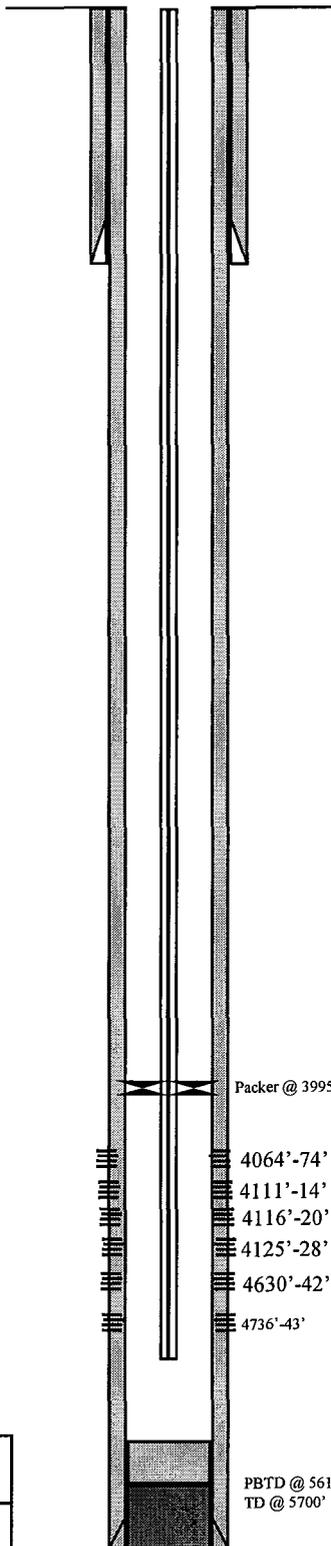
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 128 jts (5652.67')  
 DEPTH LANDED: 5663.67'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 128 sk Hlift & 259 sxs Class "G"  
 CEMENT TOP AT: 2302' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8", 6.5#, J-55  
 NO. OF JOINTS: 129 jts (3980.91')  
 TUBING ANCHOR: 3995'  
 SEATING NIPPLE: 2-7/8"x1.10'  
 MUD ANCHOR:  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT:

**SUCKER RODS**

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT SIZE:  
 PRIME MOVER:  
 LOGS:



Packer @ 3995'

4064'-74'  
 4111'-14'  
 4116'-20'  
 4125'-28'  
 4630'-42'  
 4736'-43'

PBTD @ 5617.29'  
 TD @ 5700'

	<b>Inland Resources Inc.</b>
	<b>Balcron Monument Federal #13-8H</b> 2060 FSL 694 FEL NWSW Section 8-T9S-R17E Duchesne Co, Utah API #43-013-31382; Lease #U-74108

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

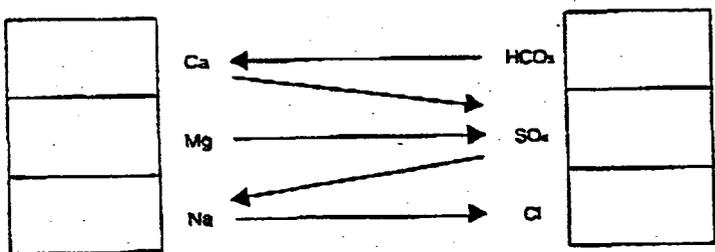
## WATER ANALYSIS REPORT

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

	Analysis	mg/l(ppm)	*Mg/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> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>300</u>	÷ 61 <u>5</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>110</u>	÷ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		<u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Mill equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equlv. Wt.	X	Mg/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>	84.00		<u>1</u>		<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03		<u>2</u>		<u>142</u>
NaCl	58.45		<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 84068

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

## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 03-11-98  
Source JONAH UNIT 8-7 Date Sampled 03-09-98 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l
1. PH	8.0		
2. H <sub>2</sub> S (Qualitative)	1.0		
3. Specific Gravity	1.024		
4. Dissolved Solids		27,043	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> 0	+ 30 0 CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> 1,000	+ 61 16 HCO <sub>3</sub>
7. Hydroxyl (OH)		OH 0	+ 17 0 OH
8. Chlorides (Cl)		Cl 15,600	+ 35.5 439 Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> 0	+ 48 0 SO <sub>4</sub>
10. Calcium (Ca)		Ca 208	+ 20 10 Ca
11. Magnesium (Mg)		Mg 0	+ 12.2 0 Mg
12. Total Hardness (CaCO <sub>3</sub> )		520	
13. Total Iron (Fe)		4.1	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

Compound	Equly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		10		810
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.82		6		504
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03		439		25,664
NaCl	58.46				

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

10	Ca	←	HCO <sub>3</sub>	16
0	Mg	→	SO <sub>4</sub>	0
445	Na	→	Cl	439

REMARKS \_\_\_\_\_

Received Time Mar. 11. 12:27PM

AQUAMIX SCALING PREDICTIONS

03-11-98

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

WATER DESCRIPTION:	JOHNSON WATER	JOHNA UNIT 8-7
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	1640
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	15600
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	520
MAGNESIUM AS PPM CaCO3	90	0
SODIUM AS PPM Na	92	10235
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	27043
TOTAL DISSOLVED SOLIDS	593	150
TEMP (DEG-F)	150	8
SYSTEM pH	7	

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND JOHNA UNIT 8-7  
 CONDITIONS: TEMP.=150 AND pH=7.5  
 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	.83	31	0	0	0
90	.96	45	0	0	0
80	1.05	59	0	0	0
70	1.10	72	0	0	0
60	1.14	86	0	0	0
50	1.18	100	0	0	0
40	1.22	114	0	0	0
30	1.25	128	0	0	0
20	1.27	141	0	0	0
10	1.30	155	0	0	0
0	1.34	170	0	0	0

**Attachment G**

**Jonah #8-7**

**Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5013	5070	5042	2176	0.86	2130
4538	4629	4584	2337	0.94	2291
				<b>Minimum</b>	<u>2130</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 JONAH 8-7 Report Date 2/8/98 Completion Day 3  
 Present Operation Perf D/YDC sds Rig Flint #6

#### WELL STATUS

Surf Csg: 8-5/8 @ 299' KB Liner @ 5-1/2 Prod Csg 5-1/2 @ 5687 Csg PBTD 5652  
 Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @          BP/Sand PBTD:         

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A	5013-16'	4/12			
A	5018-20'	4/8			
A	5031-37'	4/24			
A	5063-65'	4/8			
A	5067-70'	4/12			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/7/98 SITP: 0 SICP: 0

IFL @ 5100'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU Halliburton & frac A sds w/111,400# sd in 548 bbls Delta Frac. Perfs broke @ 2700 psi. Treated @ ave press of 2130 psi w/ave rate of 30.8 BPM. ISIP: 2176 psi, 5 min: 1984 psi. Flowback on 12/64 choke for 3-1/2 hrs & died. Rec 165 BTF (est 30% of load). SIFN w/est 383 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>548</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>165</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>383</u>	Cum oil recovered	<u>0</u>
IFL <u>5100</u> FFL <u>5100</u> FTP <u>        </u>		Choke <u>12/64</u> Final Fluid Rate <u>        </u>	Final oil cut <u>        </u>

#### STIMULATION DETAIL

Base Fluid used: Delta Frac Job Type: Sand Frac  
 Company: Halliburton  
 Procedure:           
3000 gal of pad.  
1000 gal w/1-6 ppg of 20/40 sd  
9000 gal w/6-8 ppg of 20/40 sd  
5077 gal w/8-10 ppg of 20/40 sd  
Flush w/4948 gal of 10# Linear gel

#### COSTS

Flint Rig	<u>871</u>
BOP	<u>135</u>
Tanks	<u>30</u>
Wtr	<u>750</u>
HO Trk	<u>242</u>
Frac	<u>21,088</u>
Flowback - super	<u>140</u>
IPC Supervision	<u>200</u>

Max TP 2700 Max Rate 35 Total fluid pmpd: 548 bbls  
 Avg TP 2130 Avg Rate 30.8 Total Prop pmpd: 111,400#  
 ISIP 2176 5 min 1984 10 min          15 min         

Completion Supervisor: Gary Dietz

DAILY COST: \$23,456

TOTAL WELL COST: \$199,909



**DAILY COMPLETION REPORT**

**WELL NAME** JONAH 8-7 **Report Date** 2/11/98 **Completion Day** 5  
**Present Operation** Pull plug. CO PBTD. Swab well. **Rig** Flint #6

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 299' **KB** **Liner** \_\_\_\_\_ @ \_\_\_\_\_ **Prod Csg** 5-1/2 @ 5687 **Csg PBTD** 5652  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT** @ \_\_\_\_\_ **BP** **Sand PBTD:** 4717

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
YDC/D	4538-45'	4/28	A	5063-65'	4/8
YDC/D	4622-29'	4/28	A	5067-70'	4/12
A	5013-16'	4/12			
A	5018-20'	4/8			
A	5031-37'	4/24			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 2/10/98 **SITP:** 0 **SICP:** 0

IFL @ 4400'. Made 1 swab run, rec 1 BTF. FFL @ 4500'. TOH w/tbg. NU isolation tool. RU Halliburton & frac D/YDC sds w/111,300# 20/40 sd in 535 bbls Delta Frac. Perfs broke dn @ 2652 psi. Treated @ ave press of 2050 psi w/ave rate of 30.2 BPM. ISIP: 2337 psi, 5 min: 2220 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 180 BTF (est 34% of load). SIFN w/est 640 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>285</u>	<b>Starting oil rec to date</b>	<u>0</u>
<b>Fluid lost/recovered today</b>	<u>355</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>640</u>	<b>Cum oil recovered</b>	<u>0</u>
<b>IFL</b> <u>4400</u> <b>FFL</b> <u>4500</u> <b>FTP</b> _____		<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> _____	<b>Final oil cut</b> _____

**STIMULATION DETAIL**

**Base Fluid used:** Delta Frac **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:** \_\_\_\_\_  
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
9000 gal w/6-8 ppg of 20/40 sd  
5031 gal w/8-10 ppg of 20/40 sd  
Flush w/4453 gal of 10# Linear gel

**COSTS**

<b>Flint Rig</b>	<u>870</u>
<b>BOP</b>	<u>135</u>
<b>Tanks</b>	<u>30</u>
<b>Wtr</b>	<u>650</u>
<b>Frac</b>	<u>22,436</u>
<b>Flowback - super</b>	<u>180</u>
<b>IPC Supervision</b>	<u>200</u>

**Max TP** 2652 **Max Rate** 30.5 **Total fluid pmpd:** 535 bbls  
**Avg TP** 2050 **Avg Rate** 30.2 **Total Prop pmpd:** 111,300#  
**ISIP** 2337 **5 min** 2220 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_

**Completion Supervisor:** Gary Ditz

**DAILY COST:** \$24,501  
**TOTAL WELL COST:** \$228,718

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 207' plug from 4913'-5120' with 30 sxs Class "G" cement.
2. Plug #2 Set 241' plug from 4438'-46794' with 30 sxs Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
4. Plug #4 Set 100' plug from 237'-337' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
5. Plug #5 Set 50' plug from surface with 10 sxs Class "G" cement.
6. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 287' to surface.

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

# Jonah #8-7

Spud Date: 1-13-98  
 Put on Production: 2-13-98  
 GL: 5304' KB: 5316'

## Proposed P&A Wellbore Diagram

### SURFACE CASING

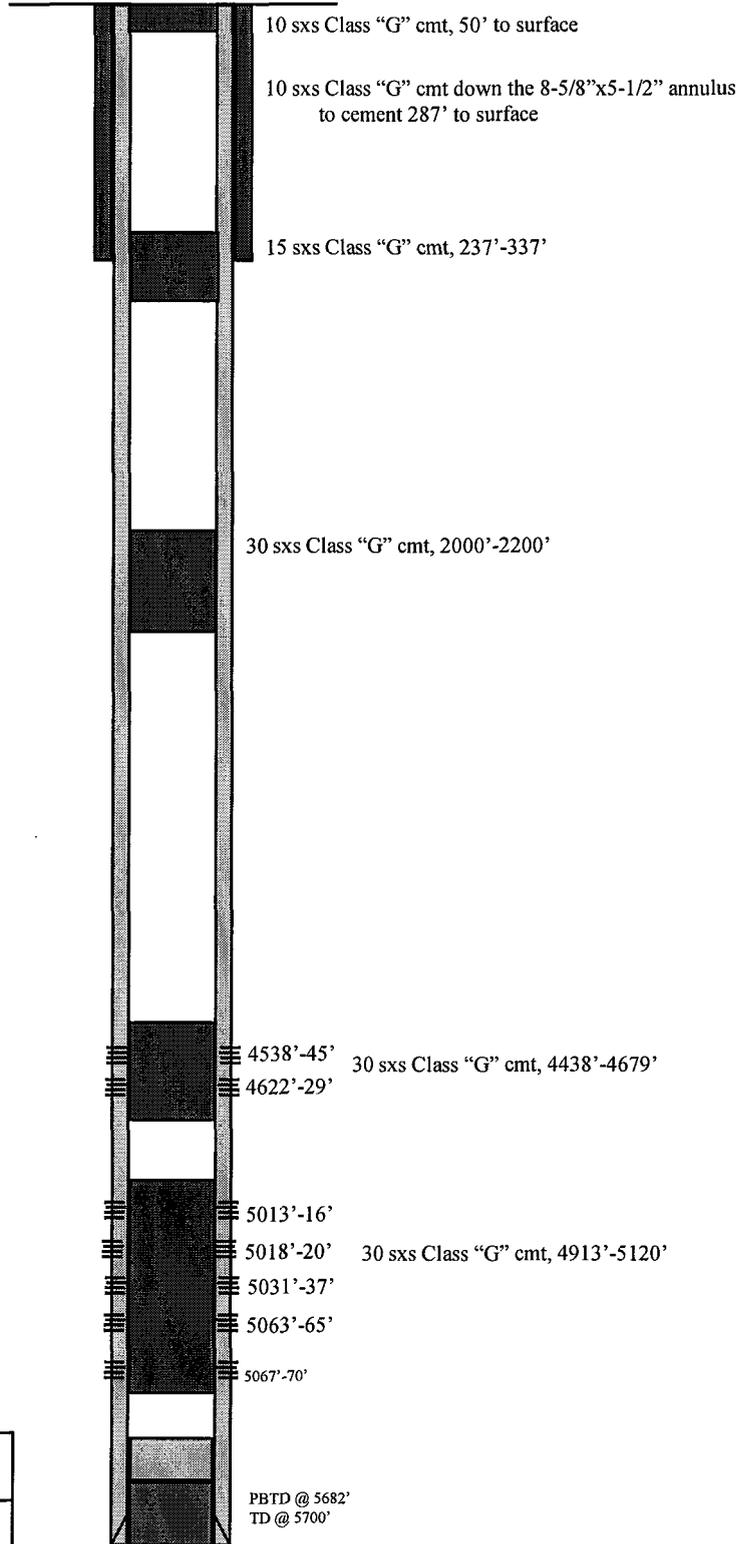
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt; est 4 bbl cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts (5695')  
 DEPTH LANDED: 5687'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Hibond & 370 sxs Thixotropic  
 CEMENT TOP AT:

### Sucker Rods

Pump Size:  
 Stroke Length:  
 Pumping Speed:  
 Logs: DIGL/SP/GR/CAL (5695'-298')  
 SDL/DSN/GR (5670'-3000')



	<b>Inland Resources Inc.</b>
	<b>Jonah #8-7</b> 2046 FNL 810 FWL SENE Section 7-T9S-R17E Duchesne Co, Utah API #43-013-31989; Lease #UTU-3563A





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

Michael O. Leavitt  
Governor  
Ted Stewart  
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)

May 6, 1998

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

Re: Notice of Agency Action - Cause No. UIC-209

Gentlemen:

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

Sincerely,

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

Lorraine Platt  
Secretary

Enclosure



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
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PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

May 6, 1998

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

Re: Notice of Agency Action - Cause No. UIC-209

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  
Jonah 8-7 Well  
Cause No. UIC-209**

Publication Notices were sent to the following:

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

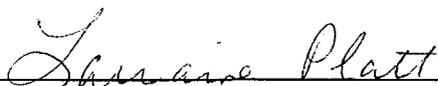
Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

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  
May 6, 1998

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-209
THE JONAH 8-7 WELL LOCATED IN	:	
SECTION 7, TOWNSHIP 9 SOUTH,	:	
RANGE 17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, AS A CLASS II	:	
INJECTION WELL	:	

---ooOoo---

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

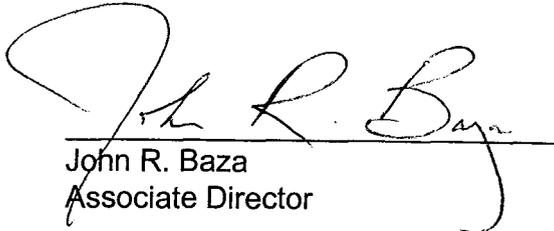
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Jonah 8-7 well, located in Section 7, Township 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to a Class II injection well. 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 on each individual well 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 6th day of May 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Jonah #8-7

**Location:** 7/9S/17E

**API:** 43-013-31989

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Jonah Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Jonah Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 287 feet and is cemented to surface. A 5 ½ inch production casing is set at 5687 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4488 feet. A mechanical integrity test will be run on the well prior to injection. There are 4 producing wells and 3 Water Injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4538 feet and 5070 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #8-7 well is .86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2130 psig. The requested maximum pressure is 2130 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Jonah #8-7**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Jonah Unit on July 16, 1993. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune the Vernal Express and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application 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): Brad Hill Date: 6/9/98



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

Michael O. Leavitt  
Governor  
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PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

June 11, 1998

Inland Production Company  
475 Seventeenth Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah Unit Well: Jonah #8-7, Section 7, Township 9 South, Range 17 East,  
Duchesne County, Utah

Gentlemen:

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

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

**LONE TREE UNIT WELL LISTING**

AS OF 7/13/98

T. 9S, R. 17E

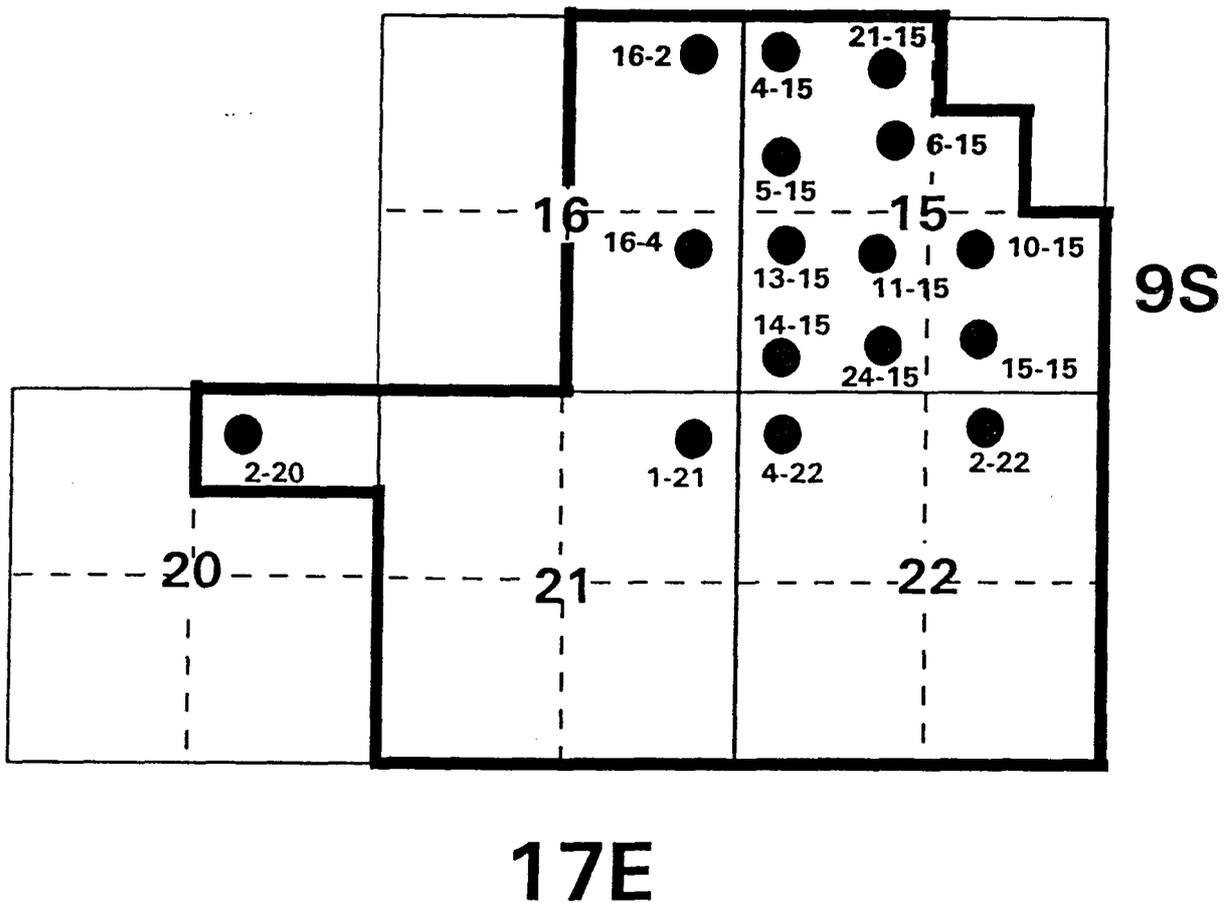
SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
22	LONE TREE UNIT	SOUTH PLEASANT VALLEY #4-22	PROD	4301331522	11813
21	LONE TREE UNIT	SOUTH PLEASANT VALLEY #1-21	PROD	4301331563	11870
22	LONE TREE UNIT	S. PLEASANT VALLEY FED 3-22-9-17	PROD	4301332004	12332
20	LONE TREE UNIT	SOUTH PLEASANT VALLEY #2-20	PROD	4301331731	12047
15	LONE TREE UNIT	PLSNT VLY #21-15H	PROD	430133064	6145
15	LONE TREE UNIT	PLSNT VLY FED #14-15H	PROD	4301331695	12101
15	LONE TREE UNIT	PLSNT VLY FED #13-15H	PROD	4301331698	12100
15	LONE TREE UNIT	S. PLEASANT VALLEY FED 4-15-9-17	PROD	4301332018	12317
15	LONE TREE UNIT	S. PLEASANT VALLEY 5-15	PROD	4301331810	12311
15	LONE TREE UNIT	S. PLEASANT VALLEY 6-15-9-17	PROD	4301332019	12319
*15	LONE TREE UNIT	S. PLEASANT VALLEY 11-15	PROD	4301331991	12301
15	LONE TREE UNIT	S. PLEASANT VALLEY 15-15	PROD	4301331992	12303
15	LONE TREE UNIT	PLSNT VLY #24-15H	PROD	4301330681	6150
15	LONE TREE UNIT	S. PLEASANT VALLEY 7-16-9-17	PROD	4301332020	12356
15	LONE TREE UNIT	S. PLEASANT VALLEY 10-15	PROD	4301332022	12315
22	LONE TREE UNIT	S. PLEASANT VALLEY 2-22-9-17	PROD	4301332023	12326
16	LONE TREE UNIT	K JORGENSEN ST 16-4	SI	4301330572	1452
16	LONE TREE UNIT	STATE #16-2	SI	4301330552	1451

LONE TREE \*(GR) UNIT ENTITY 12417 EFF 7-1-98.

# LONE TREE (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1998



— UNIT OUTLINE (UTU77236X)  
2,200.00 ACRES

SECONDARY ALLOCATION	
FEDERAL	91.81%
STATE	9.19%

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-3563-A</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> INJECTION		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME  JONAH	
<b>3. ADDRESS OF OPERATOR</b> 410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102		8. FARM OR LEASE NAME JONAH 8-7	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/NE 2046 FNL 810 FEL		9. WELL NO. 8-7	
<b>14. API NUMBER</b> 43-013-31989		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5304.2 GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/NE Section 7, T09S R17E	
<b>12. COUNTY OR PARISH</b> DUCHESNE		13. STATE UT	

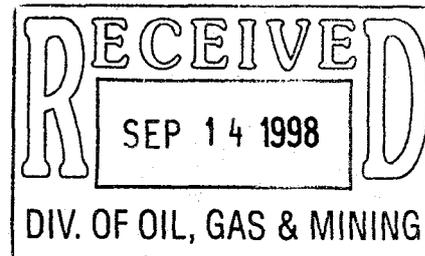
**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Change in Lease Number</u> <input checked="" type="checkbox"/>
(OTHER) _____ <input type="checkbox"/>	

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

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

Due to unitization, the lease number for the above referenced well has been changed from UTU-44426 to U-3563-A.



18. I hereby certify that the foregoing is true and correct  
 SIGNED Debbie E. Knight TITLE Manager, Regulatory Compliance DATE 9/11/98

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

**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.	<b>U-3563-A</b>
6. If Indian, Allottee or Tribe Name	<b>NA</b>
7. If Unit or CA, Agreement Designation	<b>JONAH</b>
8. Well Name and No.	<b>JONAH 8-7</b>
9. API Well No.	<b>43-013-31989</b>
10. Field and Pool, or Exploratory Area	<b>MONUMENT BUTTE</b>
11. County or Parish, State	<b>DUCHESNE COUNTY, UTAH</b>

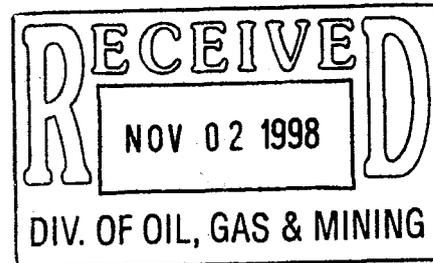
**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator <b>INLAND PRODUCTION COMPANY</b>
3. Address and Telephone No. <b>475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900</b>
4. Location of Well (Footage, Sec., T., R., m., or Survey Description) <b>2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E</b>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> Notice of Intent <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 <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.)\*

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



14. I hereby certify that the foregoing is true and correct  
 Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(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

Jonah 8-7

SE/NE Sec. 7, T9S, 17E

Duchesne County

May 12, 1998

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

**Production Phase:**

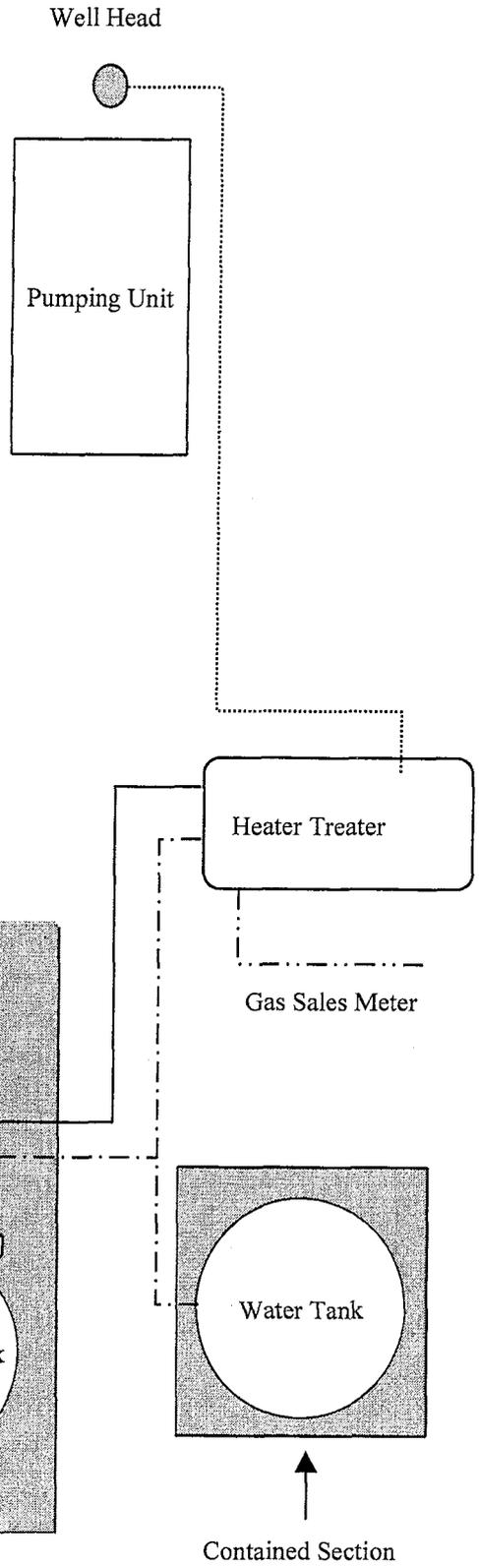
- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2 and 5 sealed open

**Sales Phase:**

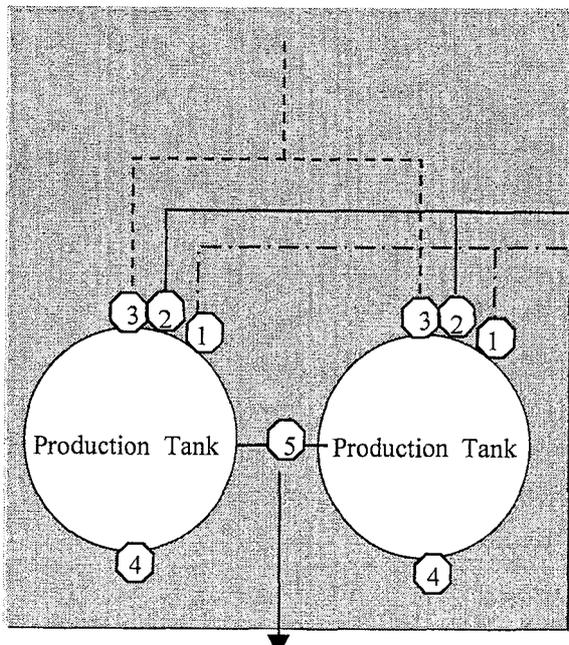
- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 3 open

**Draining Phase:**

- 1) Valve 1 open



Diked Section →



**Legend**

Emulsion Line	.....
Load Line	-----
Water Line	- - - - -
Oil Line	—————
Gas Sales	- · - · -

Equalizer Line

↑  
Contained Section



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

April 21, 2000

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple, Suite 1310  
P.O. Box 145801  
SLC, Utah 84114-5801

Re: Jonah 8-7-9-17  
Injection Conversion

Dear Brad:

Inland converted the subject well from a producing to an injection well on April 20, 2000. A mechanical integrity test (MIT) was conducted and charted on April 21, 2000. The casing was pressure to 1210 psi and held for 30 minutes with no pressure loss.

Find enclosed an MIT sundry, tabular data sheet, and a chart recording of the test. Inland is requesting permission to commence injection on the subject well. Please contact me at the number listed below if you have any questions.

Sincerely,

Jody Liddell  
Production Foreman

Enclosures

**RECEIVED**  
APR 24 2000  
DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> U-3563-A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		<b>7. UNIT AGREEMENT NAME</b>  JONAH	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		<b>8. FARM OR LEASE NAME</b> JONAH 8-7	
<b>4. LOCATION OF WELL.</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/NE                      2046 FNL 810 FEL		<b>9. WELL NO.</b> JONAH 8-7	
<b>14 API NUMBER</b> 43-013-31989		<b>10 FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5304.2 GR		<b>11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> SE/NE Section 7, T09S R17E	
<b>12 COUNTY OR PARISH</b> DUCHESNE		<b>13 STATE</b> UT	

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>  TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> <input type="checkbox"/> (OTHER) <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b>  WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Convert to Injector</u> <input checked="" type="checkbox"/>	
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

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

The subject well was converted from a production to an injection well . Mr. Bahram Jafari of the EPA and Mr. Dennis Ingram of the State DOGM were notified of the intent to perform an MIT on April 20,2000. On April 21, 2000 the casing annulus was pressured to 1210 psi and maintained for 30 minutes with no pressure loss.  
Inland is requesting permission to commence injection.

EPA Permit #UT 2642-04445

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Jody Liddell</u>	TITLE <u>Production Foreman</u>	DATE <u>4/21/00</u>
----------------------------	---------------------------------	---------------------

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

See Instructions On Reverse Side

Date: 5/14/00  
By: [Signature]

RECEIVED

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 4 12 1 00  
 Test conducted by: Ray Liddell  
 Others present: \_\_\_\_\_

Well Name: <u>Jonah 8-7-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>	Permit # <u>UT 2642-04445</u>	
Location: <u>SE/NE</u> Sec: <u>7</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Inland Production Company</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No

# RECEIVED

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

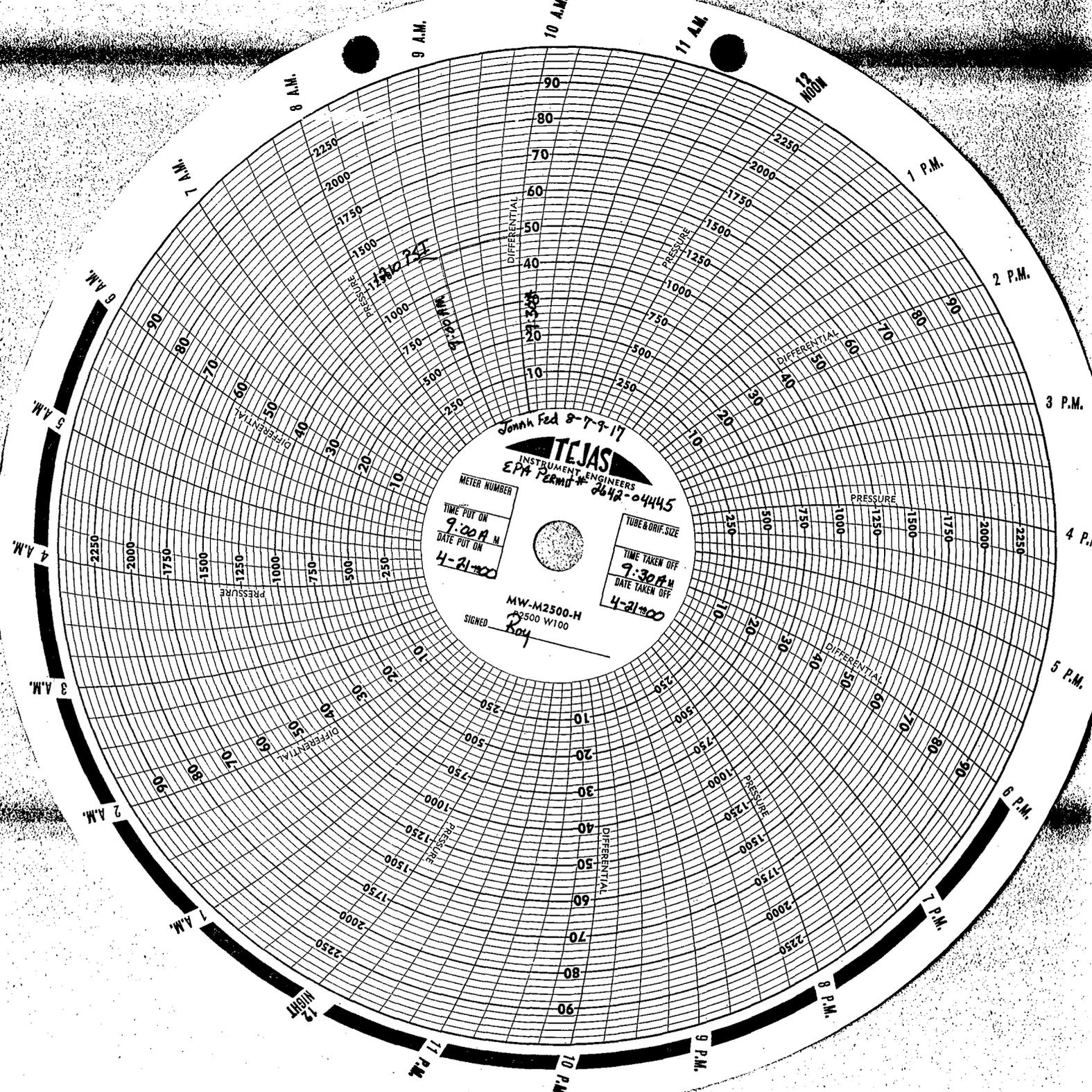
If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
9:00 AM 0 minutes	1210 psig	psig	psig
9:05 AM 5 minutes	1210 psig	psig	psig
9:10 AM 10 minutes	1210 psig	psig	psig
9:15 AM 15 minutes	1210 psig	psig	psig
9:20 AM 20 minutes	1210 psig	psig	psig
9:25 AM 25 minutes	1210 psig	psig	psig
9:30 AM 30 minutes	1210 psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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





**RECEIVED**

APR 24 2000

DIVISION OF  
 OIL, GAS AND MINING

**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

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Route 3, Box 3630, Myton Utah 84052 (435-646-3721)**

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

**2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E**

5. Lease Designation and Serial No.

**U-3563A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**JONAH 8-7**

9. API Well No.

**43-013-31989**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_

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.)\*

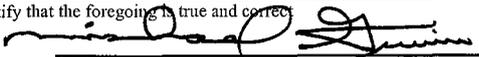
The subject well was converted from a production to an injection well on 4/20/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4480'.

**RECEIVED**

MAY 02 2000

DIVISION OF  
OIL, GAS AND MINING

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

Signed  Title District Engineer Date 4/28/00

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

*WTC  
8-17-00*



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-209

**Operator:** Inland Production Company  
**Well:** Jonah 8-7  
**Location:** Section 7, Township 9 South, Range 17 East, Duchesne County  
**API No.:** 43-013-31989  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 11, 1998.
2. Maximum Allowable Injection Pressure: 2130 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4538 feet - 5070 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

5/11/2000  
Date

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

**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. <b>U-3563-A</b>
6. If Indian, Allottee or Tribe Name <b>NA</b>
7. If Unit or CA, Agreement Designation <b>JONAH</b>
8. Well Name and No. <b>JONAH 8-7</b>
9. API Well No. <b>43-013-31989</b>
10. Field and Pool, or Exploratory Area <b>MONUMENT BUTTE</b>
11. County or Parish, State <b>DUCHESNE COUNTY, UTAH</b>

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**Route 3, Box 3630, Myton Utah 84052 (435-646-3721)**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**2046 FNL 810 FEL                      SE/NE Section 7, T09S R17E**

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

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

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

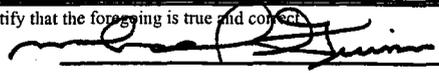
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

The subject well was placed on water injection on 6/14/00.

**RECEIVED**

JUN 29 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.  
 Signed  Title District Engineer Date 6/28/00

(This space for Federal or State office use)

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

Conditions of approval, if any:

*WTC  
6-14-00*

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING

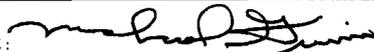
<p><b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.                  Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injector</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>U-3563-A</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b></p> <p>7. UNIT AGREEMENT NAME <b>JONAH</b></p> <p>8. WELL NAME and NUMBER <b>JONAH 8-7</b></p> <p>9. API NUMBER <b>43-013-31989</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b></p> <p>COUNTY <b>DUCHESNE</b> STATE <b>UTAH</b></p>
<p>2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b></p>	
<p>3. ADDRESS AND TELEPHONE NUMBER <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b></p>	
<p>4. LOCATION OF WELL</p> <p>Footages <b>2046 FNL 810 FEL</b></p> <p>QQ, SEC, T, R, M: <b>SE/NE Section 7, T09S R17E</b></p>	

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

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

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

A step rate test was conducted on the subject well on 2/8/01. Results indicate that the formation fracture gradient is .750 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1430 psi.

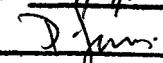
13. NAME & SIGNATURE:  TITLE District Engineer DATE 3/2/01  
 Michael Guinn

(This space for State use only)

4/94

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

\* See Instructions On Reverse Side

Date: 4/19/2001  
 By: 

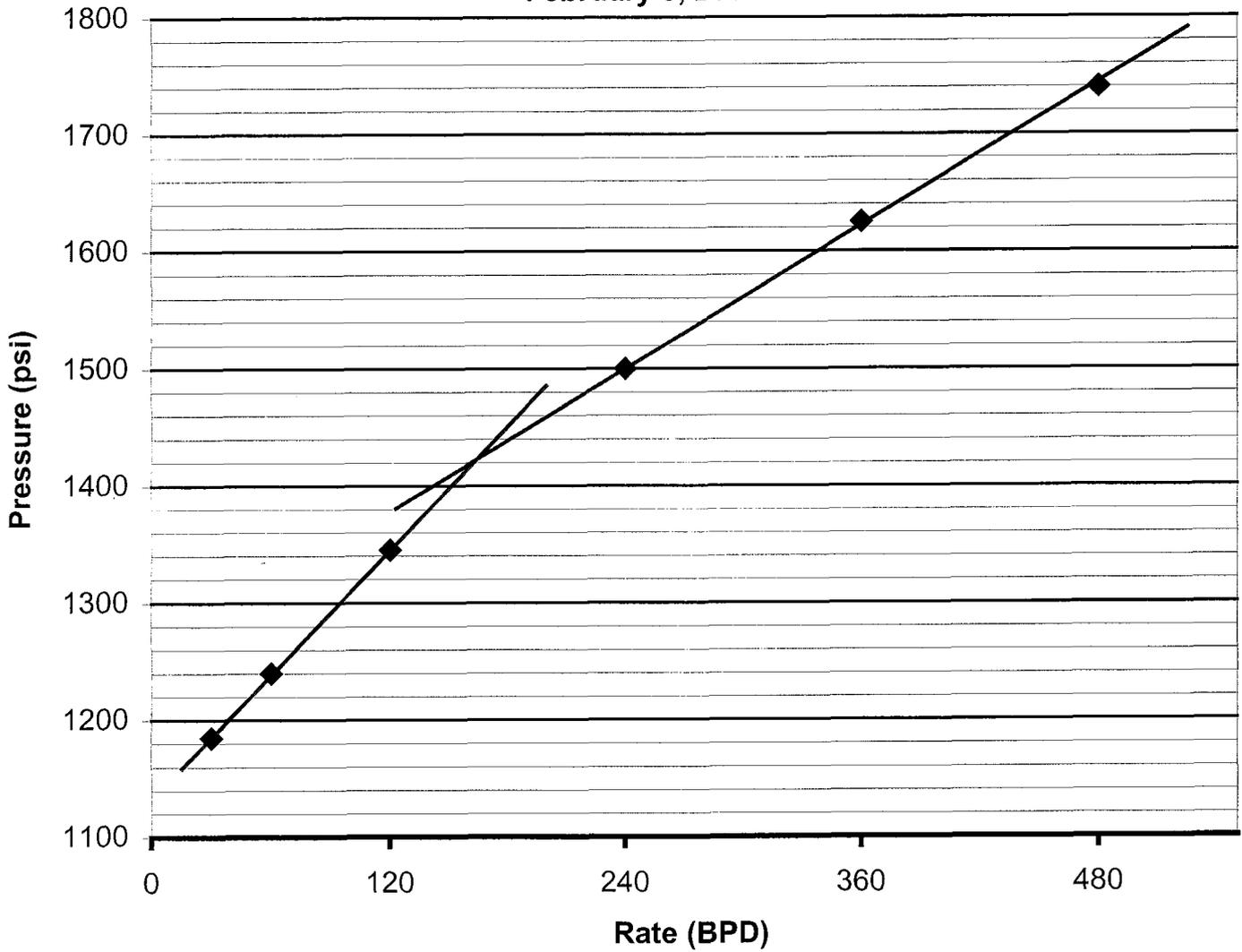
04-19-01  
 CHD

**RECEIVED**

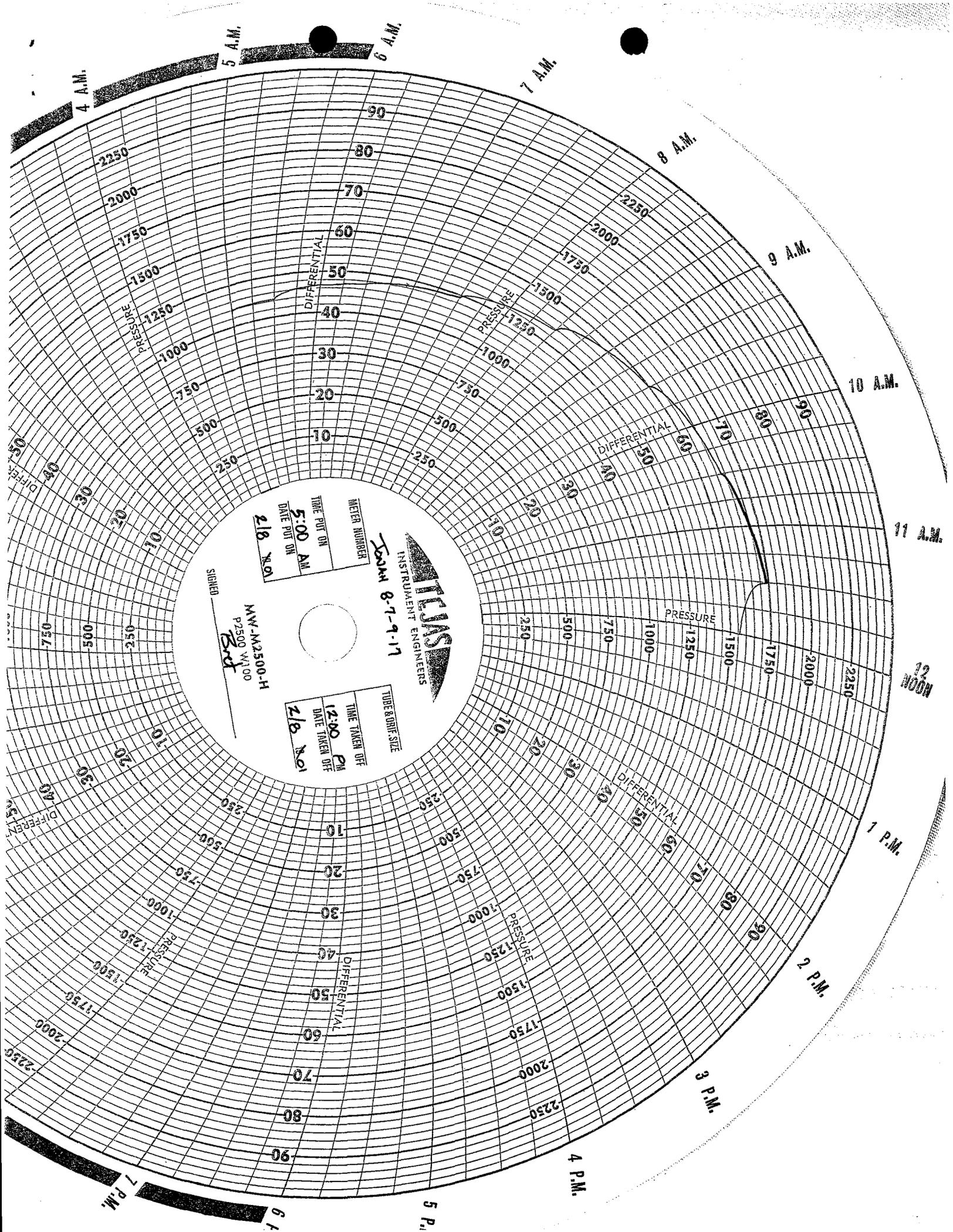
MAR 06 2001

**DIVISION OF  
 OIL, GAS AND MINING**

Jonah 8-7-9-17  
 Jonah Unit  
 Step Rate Test  
 February 8, 2001



	Step	Rate(bpd)	Pressure(psi)
<b>Start Pressure:</b> 1105 psi	1	30	1185
<b>ISIP:</b> 1720 psi	2	60	1240
<b>Fracture pressure:</b> 1430 psi	3	120	1345
<b>Top Perforation:</b> 4538 feet	4	240	1500
<b>FG:</b> 0.750 psi/ft	5	360	1625
	6	480	1740



METER NUMBER  
 TIME PUT ON  
 DATE PUT ON  
 5:00 AM  
 2/8 '61

TUBE & ORIF. SIZE  
 TIME TAKEN OFF  
 DATE TAKEN OFF  
 12:00 PM  
 2/8 '61

SIGNED  
 MW-M2500-H  
 P2500 W100  
 R.D.

8-7-9-11  
 INSTRUMENT ENGINEERS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU3563A

**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, or 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:  
JONAH UNIT

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

8. WELL NAME and NUMBER:  
JONAH 8-7

2. NAME OF OPERATOR:  
Inland Production Company

9. API NUMBER:  
4301331989

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: 2046 FNL 810 FEL

COUNTY: Duchesne

QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NE, 7, T9S, R17E

STATE: Utah

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

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  08/05/2004	<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: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on 8/5/04. Results from the test indicate that the fracture gradient is .813 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1715 psi.

**RECEIVED**

**AUG 19 2004**

DIV. OF OIL, GAS & MINING

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

NAME (PLEASE) Mike Guinn

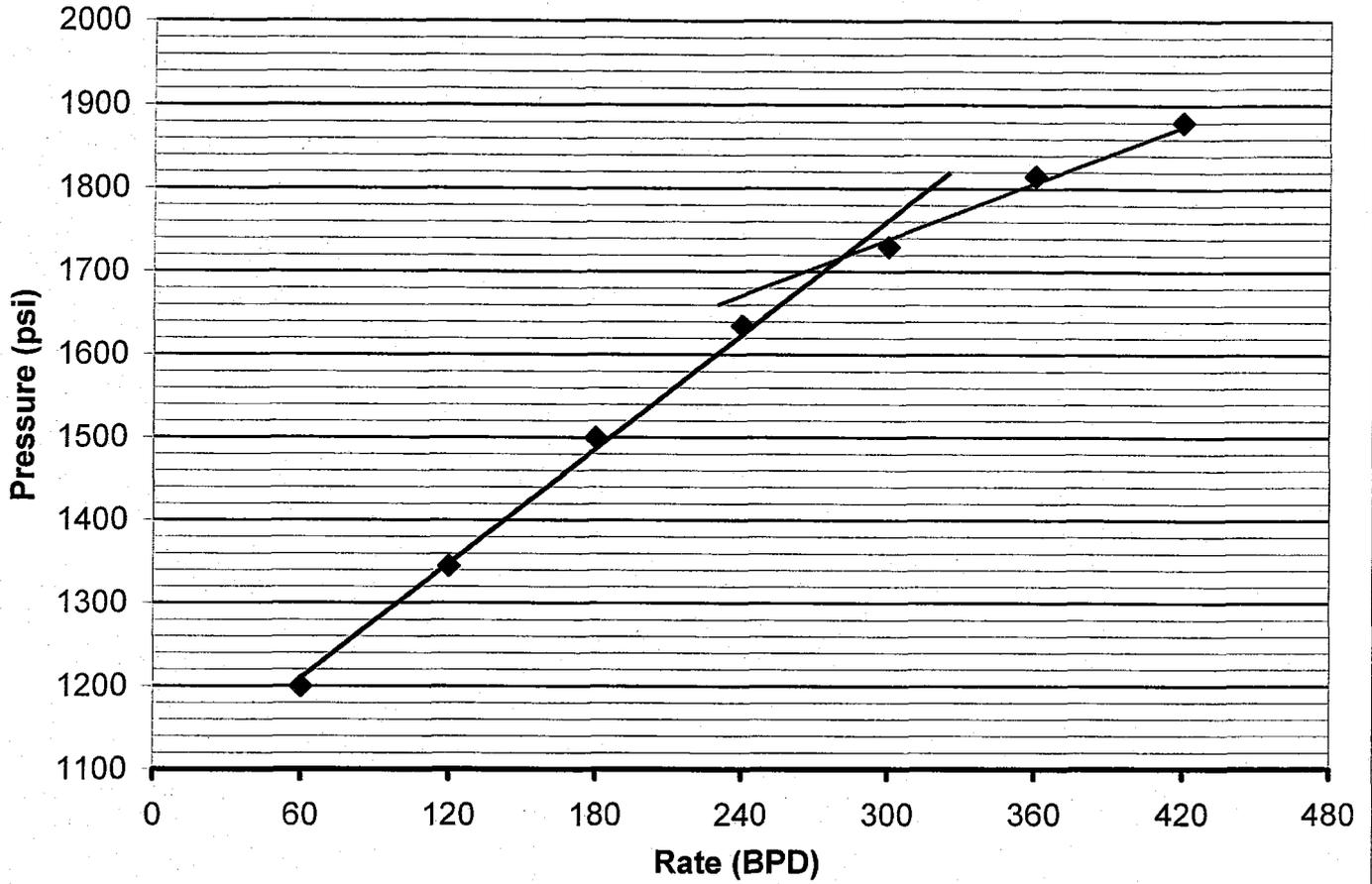
TITLE Engineer

SIGNATURE



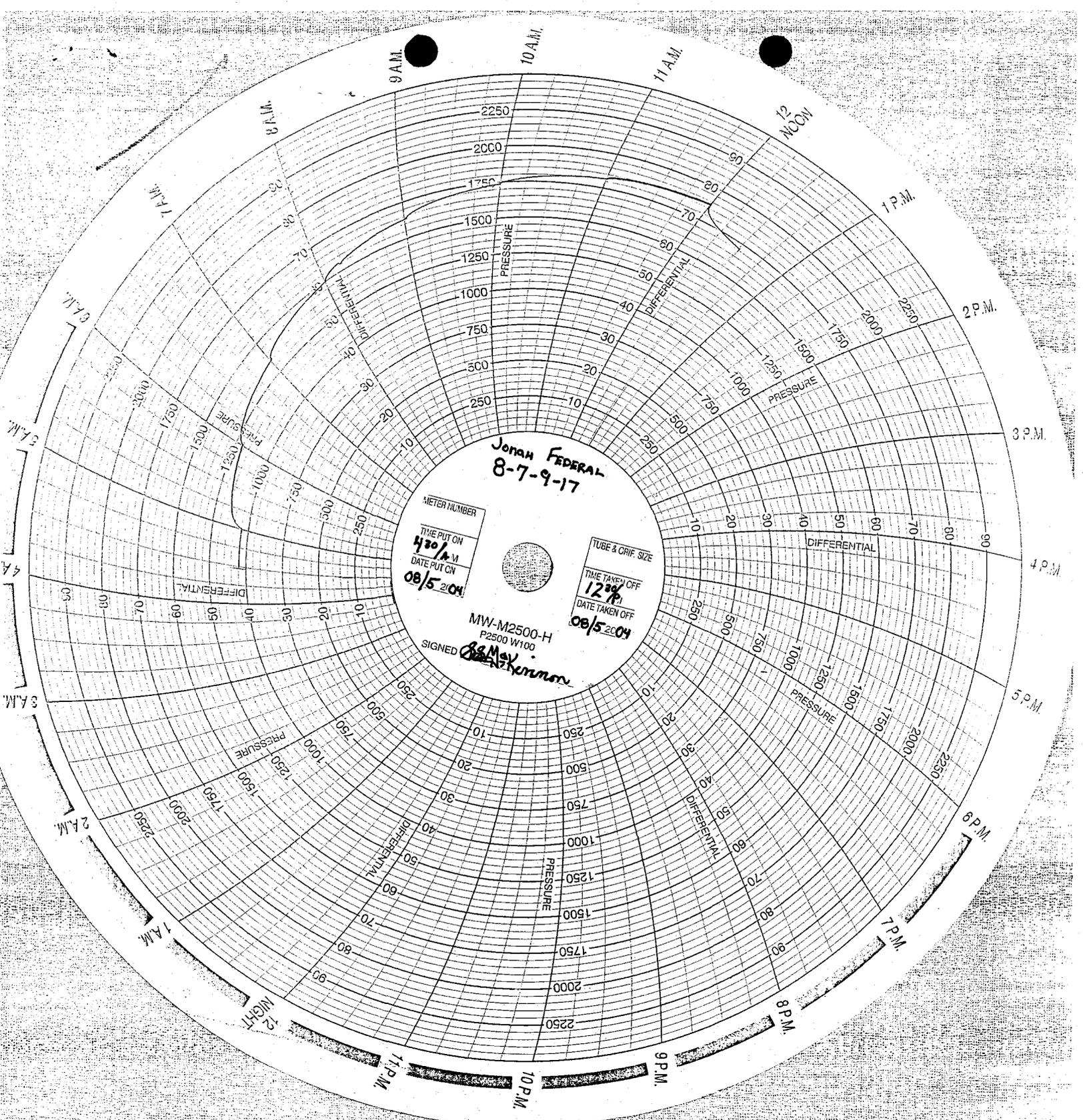
DATE August 18, 2004

Jonah Federal 8-7-9-17  
Jonah Unit  
Step Rate Test  
August 5, 2004



**Start Pressure:** 1050 psi  
**Instantaneous Shut In Pressure (ISIP):** 1860 psi  
**Top Perforation:** 4538 feet  
**Fracture pressure (Pfp):** 1715 psi  
**FG:** 0.813 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	60	1200
2	120	1345
3	180	1500
4	240	1635
5	300	1730
6	360	1815
7	420	1880



Jonah FEDERAL  
8-7-9-17

METER NUMBER

TIME PUT ON

4:30 A.M.

DATE PUT ON

08/5/2004

TUBE & ORIF SIZE

TIME TAKEN OFF

12:00 P.M.

DATE TAKEN OFF

08/5/2004

MW-M2500-H  
P2500 W100

SIGNED

J. May



# 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



## 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

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		

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

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

Approval Date: *9-20-04*

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

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

**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>	
1. GLH	
2. CDW	
3. FILE	

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit: JONAH (GREEN RIVER)**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	A
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	OW	P
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	A
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	OW	P
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	OW	P
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	OW	P
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	OW	P
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	OW	P
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD
JONAH 8-7	107	090S	170E	4301331989	11492	Federal	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU3563A

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: Newfield Production Company		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: JONAH 8-7
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2046 FNL 810 FEL		9. API NUMBER: 4301331989
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SE/NE, 7, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
		COUNTY: Duchesne
		STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	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:  04/07/2005	<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.

A 5 Year MIT was conducted on the subject well. On 3/24/05 Mr. Nathan Wiser was notified of the intent to conduct a MIT on the casing. On 3/30/05 the casing was pressured to 1120 psi w/ 5 psi pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

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

NAME (PLEASE PRINT) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u>Krishna Russell</u>	DATE <u>04/07/2005</u>

(This space for State use only)

**RECEIVED**  
**APR 11 2005**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 03 / 30 / 2005  
 Test conducted by: J.D. Hancock  
 Others present: \_\_\_\_\_

Well Name: <u>Tom's Field R-7-9-17</u>		Type: ER SWD	Status: AC TA UC
Field: <u>Tom's Unit</u>			
Location: <u>SE/4E</u>	Sec: <u>7 T 9</u>	N/S R <u>17 (E) W</u>	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield</u>			
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1715</u>		PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No If yes, rate: 16 bpd

Pre-test casing/tubing annulus pressure: 0 psig

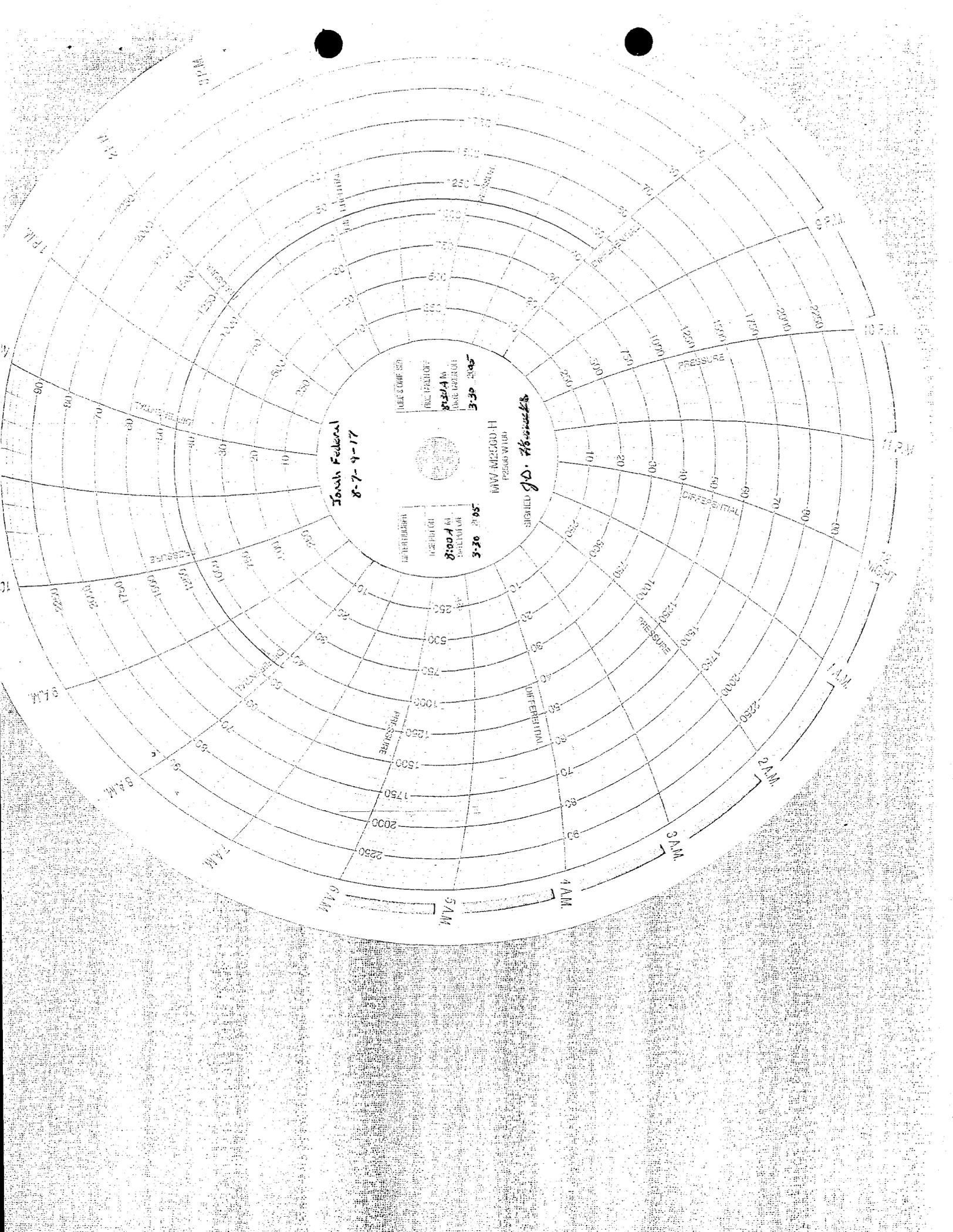
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial pressure	<u>1690</u> psig	psig	psig
End of test pressure	<u>1690</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1120</u> psig	psig	psig
5 minutes	<u>1120</u> psig	psig	psig
10 minutes	<u>1120</u> psig	psig	psig
15 minutes	<u>1120</u> psig	psig	psig
20 minutes	<u>1120</u> psig	psig	psig
25 minutes	<u>1120</u> psig	psig	psig
30 minutes	<u>1120</u> psig	psig	psig
____ minutes	psig	psig	psig
____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

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APR 11 2005

DIV. OF OIL, GAS & MINING





# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 03/04/2010  
 Test conducted by: Lynn Monson  
 Others present: \_\_\_\_\_

Well Name: <u>Joseph Federal 8-7-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte Field</u>		
Location: <u>SE/NE</u> Sec: <u>7</u> T <u>9</u> N <u>(S)</u> R <u>17</u> (E) W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>New Field</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0/1468 psig

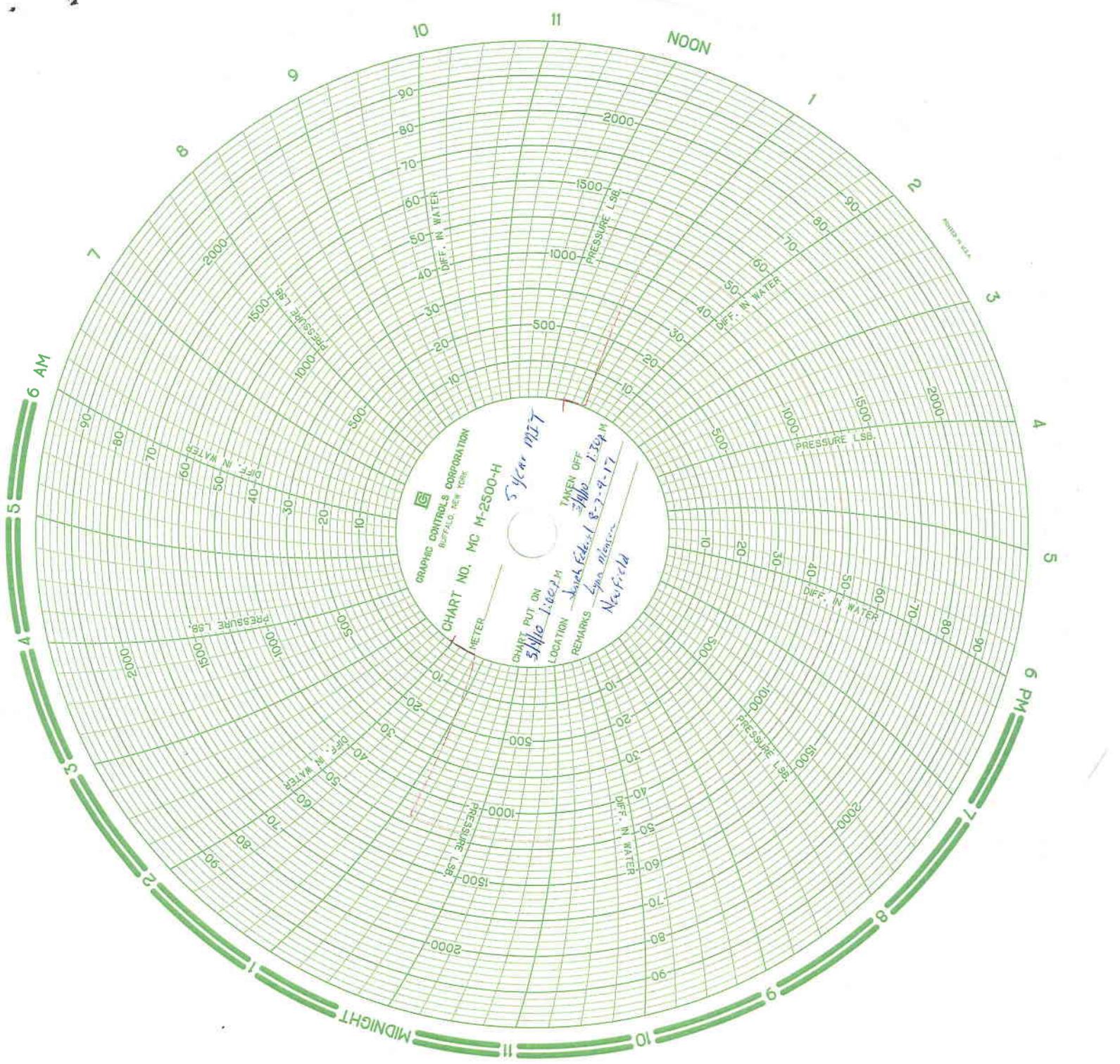
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1468</u> psig	psig	psig
End of test pressure	<u>1468</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1195</u> psig	psig	psig
5 minutes	<u>1195</u> psig	psig	psig
10 minutes	<u>1195</u> psig	psig	psig
15 minutes	<u>1195</u> psig	psig	psig
20 minutes	<u>1195</u> psig	psig	psig
25 minutes	<u>1195</u> psig	psig	psig
30 minutes	<u>1195</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



GRAPHIC CONTROLS CORPORATION  
BUFFALO, N.Y.

CHART NO. MC M-2500-H  
METER

CHART PUT ON  
5/11/17

LOCATION  
Joseph Edwards

TAKEN OFF  
1/20/17

REMARKS  
Lynn Robinson  
Newfield

8-7-9-17

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-3563-A

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
GMBU

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

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
JONAH 8-7

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331989

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

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2046 FNL 810 FEL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 7, T9S, R17E STATE: UT

**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 begin: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/10/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
A step rate test was conducted on the subject well on December 10, 2010. Results from the test indicate that the fracture gradient is 0.860 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1715 psi to 1940 psi.

EPA: UT20642-04445 API: 43-013-31989

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE *Lucy Chavez-Naupoto* DATE 12/14/2010

(This space for State use only)

**RECEIVED  
DEC 16 2010  
DIV. OF OIL, GAS & MINING**

## Step Rate Test (SRT) Analysis

Date: 12/13/2010

Operator: Newfield Production Company

Well: Jonah 8-7-9-17

Permit #: UT20642-04445

**Enter the following data :**

Specific Gravity (sg) of injectate =	<u>1.015</u>	g/cc	
Depth to top perforation (D) =	<u>4622</u>	feet	4622
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		feet	
Estimated Formation Parting Pressure (P <sub>fp</sub> ) from SRT chart =	<u>1945</u>	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =	<u>2018</u>	psi	1945
Bottom Hole Parting Pressure (P <sub>bhp</sub> ) from downhole pressure recorder =		psi	no downhole

### Part One - Calculation of Fracture Gradient (fg)

**Calculated Fracture Gradient = 0.860 psi/ft.**

where: fg = P<sub>bhp</sub> / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 2018

D = depth used = 4622

P<sub>bhp</sub> used = 3976

**Calculated Bottom Hole Parting Pressure (P<sub>bhp</sub>) = 3976 psi**

to calculate Bottom Hole Parting Pressure (P<sub>bhp</sub>) = Formation Fracture Pressure (ISIP or P<sub>fp</sub>) + (0.433 \* SG \* D)

(Uses lesser of ISIP or P<sub>fp</sub>) Value used = 1945

3976.346

### Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

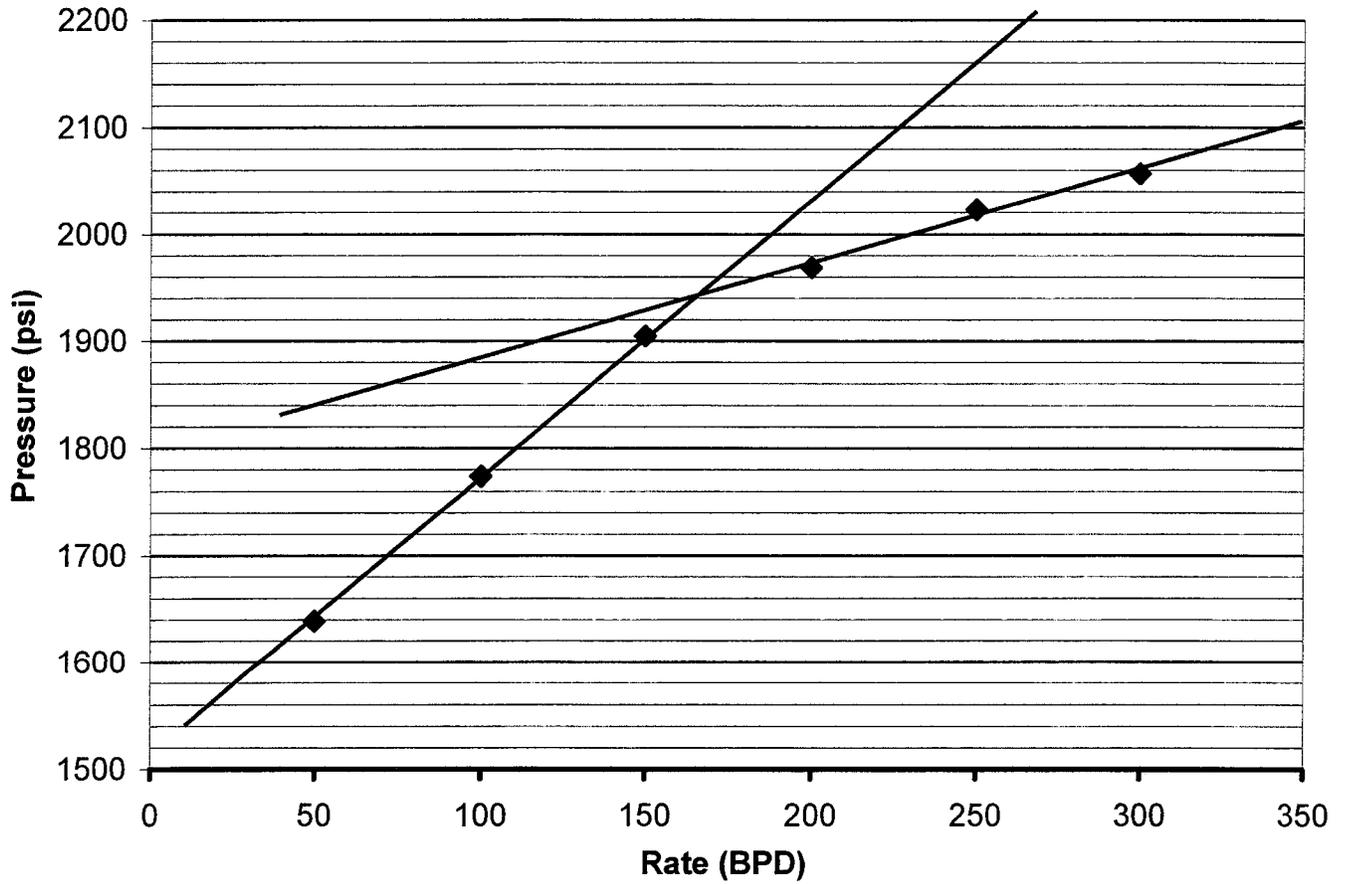
**Maximum Allowable Injection Pressure (MAIP) = 1940 psig**

D = depth used = 4622

MAIP = fg · (0.433 \* SG) · D = 1943.574

(rounded down to nearest 5 psig)

**Jonah 8-7-9-17  
Greater Monument Butte Unit  
Step Rate Test  
December 10, 2010**



		<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
<b>Start Pressure:</b>	1515 psi	1	50	1639
<b>Instantaneous Shut In Pressure (ISIP):</b>	2018 psi	2	100	1774
<b>Top Perforation:</b>	4622 feet	3	150	1905
<b>Fracture pressure (Pfp):</b>	1945 psi	4	200	1969
<b>FG:</b>	0.860 psi/ft	5	250	2023
		6	300	2057

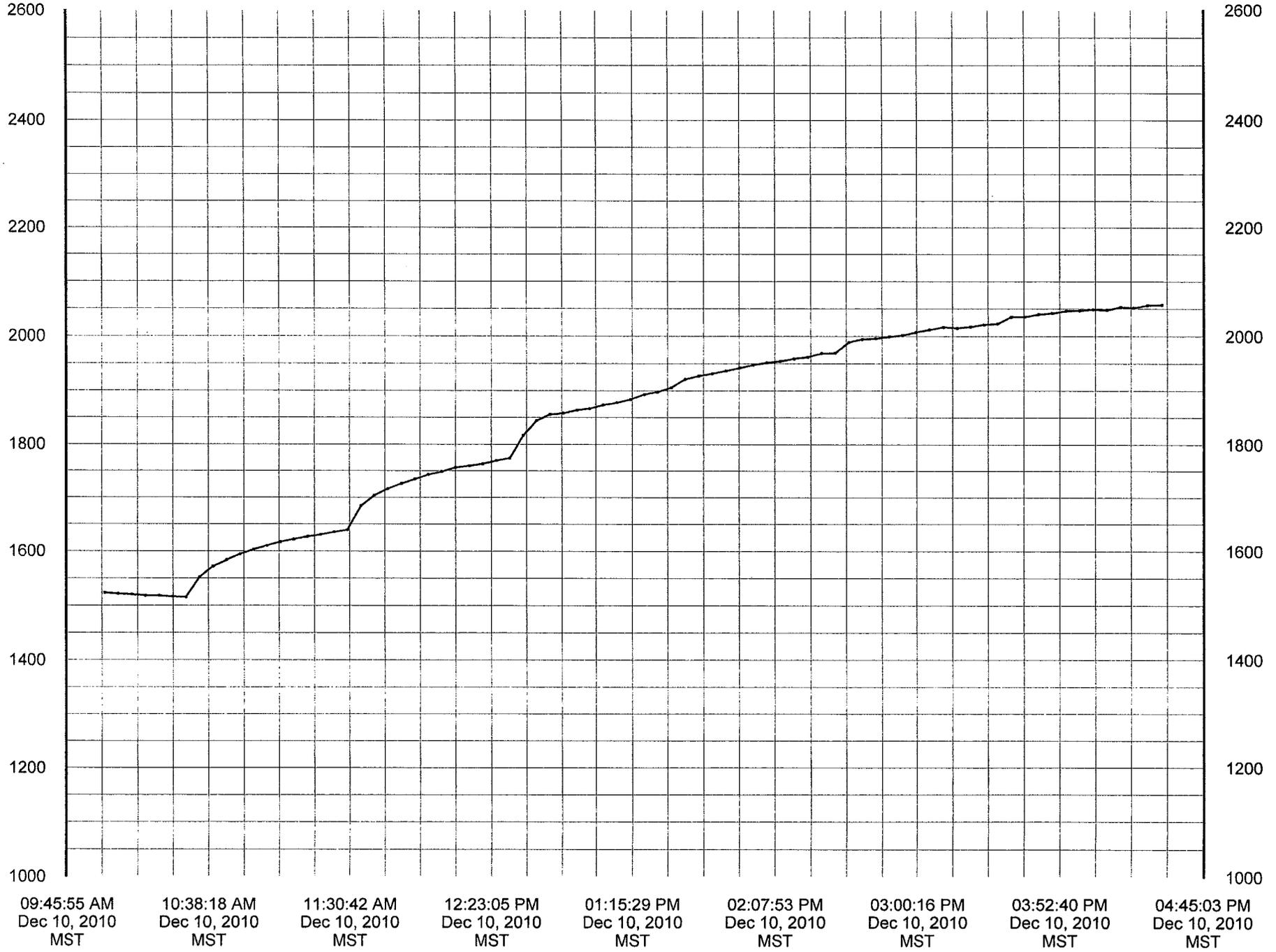
PSIA

Absolute Pressure

Jonah 8-7-9-17 SRT (12-10-10)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Dec 13, 2010 01:58:27 PM MST  
 File Name: C:\Program Files\PTC® Instruments 2.00\Jonah Federal 8-7-9-17 SRT (12-10-10).csv  
 Title: Jonah 8-7-9-17 SRT (12-10-10)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Dec 10, 2010 09:59:59 AM MST  
 Data End Date: Dec 10, 2010 04:29:59 PM MST  
 Reading Rate: 2 Seconds  
 Readings: 1 to 79 of 79  
 Last Calibration Date: May 22, 2009  
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Dec 10, 2010 09:59:59 AM	1523.400	PSIA
2	Dec 10, 2010 10:04:59 AM	1521.600	PSIA
3	Dec 10, 2010 10:09:59 AM	1520.200	PSIA
4	Dec 10, 2010 10:14:59 AM	1518.000	PSIA
5	Dec 10, 2010 10:19:59 AM	1517.800	PSIA
6	Dec 10, 2010 10:24:59 AM	1516.200	PSIA
7	Dec 10, 2010 10:30:00 AM	1515.200	PSIA
8	Dec 10, 2010 10:34:59 AM	1552.000	PSIA
9	Dec 10, 2010 10:39:59 AM	1571.800	PSIA
10	Dec 10, 2010 10:44:59 AM	1583.600	PSIA
11	Dec 10, 2010 10:49:59 AM	1594.400	PSIA
12	Dec 10, 2010 10:54:59 AM	1602.600	PSIA
13	Dec 10, 2010 11:00:03 AM	1609.800	PSIA
14	Dec 10, 2010 11:04:59 AM	1616.800	PSIA
15	Dec 10, 2010 11:09:59 AM	1621.800	PSIA
16	Dec 10, 2010 11:14:59 AM	1626.600	PSIA
17	Dec 10, 2010 11:19:59 AM	1630.400	PSIA
18	Dec 10, 2010 11:24:59 AM	1635.400	PSIA
19	Dec 10, 2010 11:29:59 AM	1639.400	PSIA
20	Dec 10, 2010 11:34:59 AM	1684.000	PSIA
21	Dec 10, 2010 11:39:59 AM	1703.600	PSIA
22	Dec 10, 2010 11:44:59 AM	1716.000	PSIA
23	Dec 10, 2010 11:49:59 AM	1725.800	PSIA
24	Dec 10, 2010 11:54:59 AM	1734.200	PSIA
25	Dec 10, 2010 11:59:59 AM	1742.800	PSIA
26	Dec 10, 2010 12:04:59 PM	1748.400	PSIA
27	Dec 10, 2010 12:10:01 PM	1756.200	PSIA
28	Dec 10, 2010 12:14:59 PM	1759.600	PSIA
29	Dec 10, 2010 12:19:59 PM	1763.000	PSIA
30	Dec 10, 2010 12:24:59 PM	1769.200	PSIA
31	Dec 10, 2010 12:29:59 PM	1774.000	PSIA
32	Dec 10, 2010 12:35:00 PM	1816.400	PSIA
33	Dec 10, 2010 12:39:59 PM	1844.200	PSIA
34	Dec 10, 2010 12:44:59 PM	1855.400	PSIA
35	Dec 10, 2010 12:49:59 PM	1858.000	PSIA
36	Dec 10, 2010 12:54:59 PM	1863.400	PSIA
37	Dec 10, 2010 12:59:59 PM	1866.400	PSIA
38	Dec 10, 2010 01:04:59 PM	1873.000	PSIA
39	Dec 10, 2010 01:09:59 PM	1877.600	PSIA
40	Dec 10, 2010 01:14:59 PM	1883.800	PSIA
41	Dec 10, 2010 01:19:59 PM	1892.800	PSIA
42	Dec 10, 2010 01:24:59 PM	1897.600	PSIA
43	Dec 10, 2010 01:29:59 PM	1905.400	PSIA
44	Dec 10, 2010 01:34:59 PM	1921.200	PSIA
45	Dec 10, 2010 01:39:59 PM	1927.400	PSIA
46	Dec 10, 2010 01:44:59 PM	1931.600	PSIA
47	Dec 10, 2010 01:49:59 PM	1936.800	PSIA
48	Dec 10, 2010 01:54:59 PM	1942.000	PSIA
49	Dec 10, 2010 01:59:59 PM	1947.400	PSIA
50	Dec 10, 2010 02:04:59 PM	1951.800	PSIA
51	Dec 10, 2010 02:09:59 PM	1954.200	PSIA
52	Dec 10, 2010 02:14:59 PM	1958.800	PSIA
53	Dec 10, 2010 02:19:59 PM	1962.200	PSIA
54	Dec 10, 2010 02:24:59 PM	1968.600	PSIA
55	Dec 10, 2010 02:29:59 PM	1969.400	PSIA
56	Dec 10, 2010 02:34:59 PM	1989.200	PSIA
57	Dec 10, 2010 02:39:59 PM	1994.400	PSIA
58	Dec 10, 2010 02:44:59 PM	1995.800	PSIA
59	Dec 10, 2010 02:49:59 PM	1999.200	PSIA

60	Dec 10, 2010 02:54:59 PM	2001.600	PSIA
61	Dec 10, 2010 02:59:59 PM	2007.200	PSIA
62	Dec 10, 2010 03:04:59 PM	2011.800	PSIA
63	Dec 10, 2010 03:09:59 PM	2016.600	PSIA
64	Dec 10, 2010 03:14:59 PM	2014.800	PSIA
65	Dec 10, 2010 03:19:59 PM	2017.200	PSIA
66	Dec 10, 2010 03:24:59 PM	2021.000	PSIA
67	Dec 10, 2010 03:29:59 PM	2022.800	PSIA
68	Dec 10, 2010 03:34:59 PM	2035.200	PSIA
69	Dec 10, 2010 03:39:59 PM	2035.600	PSIA
70	Dec 10, 2010 03:44:59 PM	2040.000	PSIA
71	Dec 10, 2010 03:49:59 PM	2042.000	PSIA
72	Dec 10, 2010 03:54:59 PM	2046.200	PSIA
73	Dec 10, 2010 03:59:59 PM	2046.600	PSIA
74	Dec 10, 2010 04:04:59 PM	2048.800	PSIA
75	Dec 10, 2010 04:09:59 PM	2047.800	PSIA
76	Dec 10, 2010 04:14:59 PM	2053.200	PSIA
77	Dec 10, 2010 04:19:59 PM	2052.000	PSIA
78	Dec 10, 2010 04:24:59 PM	2056.400	PSIA
79	Dec 10, 2010 04:29:59 PM	2057.400	PSIA

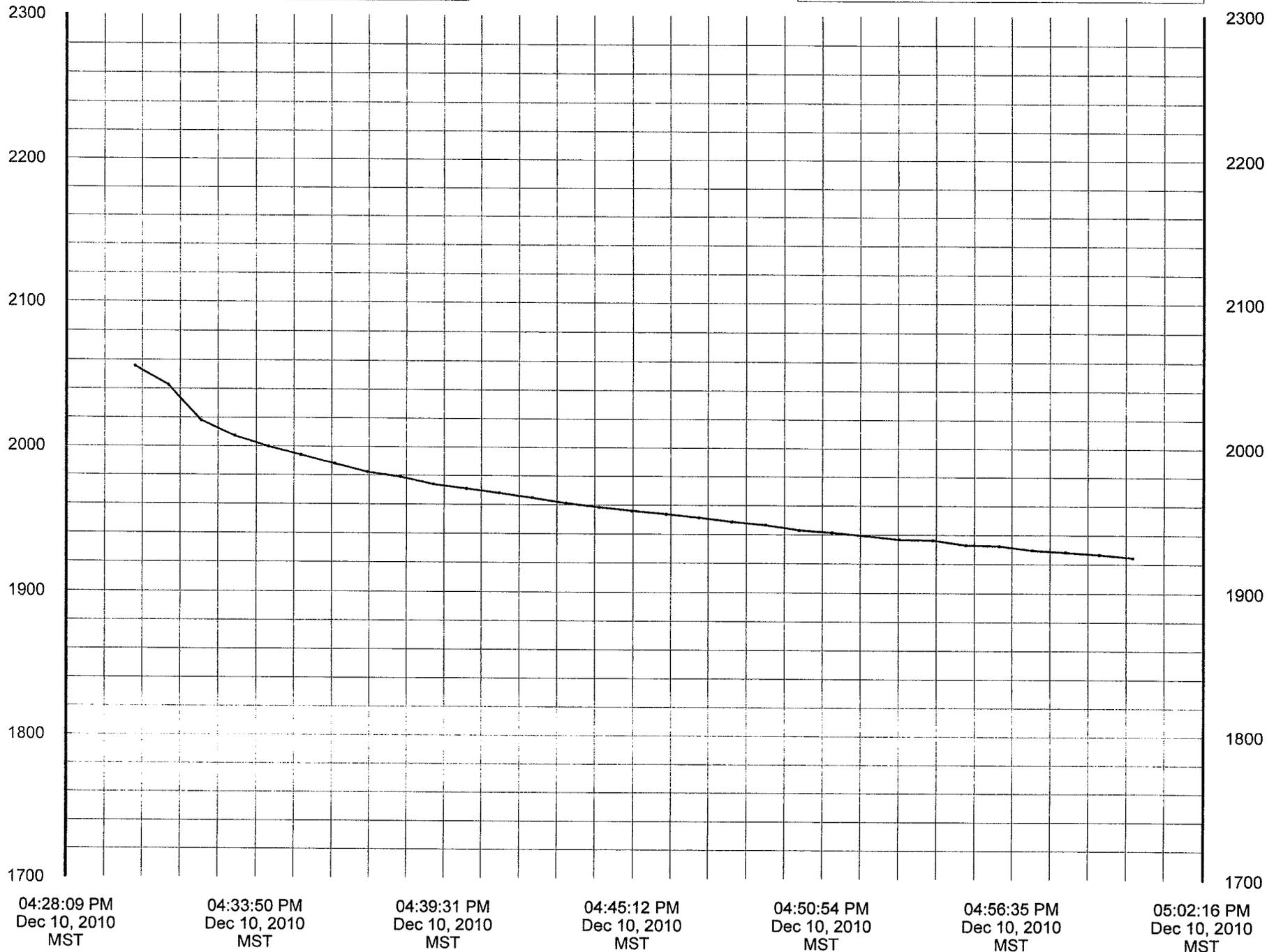
PSIA

Absolute Pressure

Jonah 8-7-9-17 ISIP (12-10-10)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table  
 Report Date: Dec 13, 2010 01:58:19 PM MST  
 File Name: C:\Program Files\PTC® Instruments 2.00\Jonah Federal 8-7-9-17 ISIP (12-10-10).csv  
 Title: Jonah 8-7-9-17 ISIP (12-10-10)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Dec 10, 2010 04:30:12 PM MST  
 Data End Date: Dec 10, 2010 05:00:12 PM MST  
 Reading Rate: 2 Seconds  
 Readings: 1 to 31 of 31  
 Last Calibration Date: May 22, 2009  
 Next Calibration Date: May 22, 2010

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Dec 10, 2010 04:30:12 PM	2055.600	PSIA
2	Dec 10, 2010 04:31:12 PM	2042.800	PSIA
3	Dec 10, 2010 04:32:11 PM	2018.000	PSIA
4	Dec 10, 2010 04:33:12 PM	2007.200	PSIA
5	Dec 10, 2010 04:34:12 PM	1999.800	PSIA
6	Dec 10, 2010 04:35:11 PM	1994.000	PSIA
7	Dec 10, 2010 04:36:12 PM	1988.000	PSIA
8	Dec 10, 2010 04:37:12 PM	1982.200	PSIA
9	Dec 10, 2010 04:38:12 PM	1979.000	PSIA
10	Dec 10, 2010 04:39:12 PM	1974.000	PSIA
11	Dec 10, 2010 04:40:12 PM	1971.000	PSIA
12	Dec 10, 2010 04:41:12 PM	1968.000	PSIA
13	Dec 10, 2010 04:42:11 PM	1964.800	PSIA
14	Dec 10, 2010 04:43:12 PM	1961.000	PSIA
15	Dec 10, 2010 04:44:12 PM	1958.400	PSIA
16	Dec 10, 2010 04:45:11 PM	1956.000	PSIA
17	Dec 10, 2010 04:46:12 PM	1953.800	PSIA
18	Dec 10, 2010 04:47:12 PM	1951.400	PSIA
19	Dec 10, 2010 04:48:11 PM	1948.600	PSIA
20	Dec 10, 2010 04:49:12 PM	1946.400	PSIA
21	Dec 10, 2010 04:50:12 PM	1943.000	PSIA
22	Dec 10, 2010 04:51:11 PM	1941.400	PSIA
23	Dec 10, 2010 04:52:12 PM	1939.200	PSIA
24	Dec 10, 2010 04:53:12 PM	1936.800	PSIA
25	Dec 10, 2010 04:54:12 PM	1936.200	PSIA
26	Dec 10, 2010 04:55:11 PM	1933.000	PSIA
27	Dec 10, 2010 04:56:12 PM	1932.400	PSIA
28	Dec 10, 2010 04:57:12 PM	1929.600	PSIA
29	Dec 10, 2010 04:58:11 PM	1928.200	PSIA
30	Dec 10, 2010 04:59:12 PM	1926.600	PSIA
31	Dec 10, 2010 05:00:12 PM	1924.400	PSIA

## *Jonah 8-7-9-17 Rate Sheet (12-10-10)*

<i>Step # 1</i>	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	50.6	50.6	50.6	50.5	50.5	50.5
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	50.5	50.4	50.4	50.4	50.3	50.3
<i>Step # 2</i>	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	100.3	100.3	100.2	100.2	100.2	100.2
	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	100.1	100.1	100.1	100.1	100	100
<i>Step # 3</i>	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	150.5	150.5	150.5	150.5	150.5	150.4
	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	150.4	150.3	150.3	150.3	150.3	150.3
<i>Step # 4</i>	Time:	1:35	1:40	1:45	1:50	1:55	2:00
	Rate:	200.8	200.7	200.7	200.7	200.7	200.6
	Time:	2:05	2:10	2:15	2:20	2:25	2:30
	Rate:	200.6	200.6	200.5	200.5	200.5	200.5
<i>Step # 5</i>	Time:	2:35	2:40	2:45	2:50	2:55	3:00
	Rate:	250.4	250.4	250.4	250.3	250.3	250.2
	Time:	3:05	3:10	3:15	3:20	3:25	3:30
	Rate:	250.2	250.2	250.2	250.2	250.1	250.1
<i>Step # 6</i>	Time:	3:35	3:40	3:45	3:50	3:55	4:00
	Rate:	300.6	300.6	300.6	300.6	300.5	300.5
	Time:	4:05	4:10	4:15	4:20	4:25	4:30
	Rate:	300.4	300.4	300.4	300.4	300.2	300.2
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-3563A
<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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: JONAH 8-7
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013319890000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2046 FNL 0810 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 07 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	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: 2/4/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 02/04/2015 the casing was pressured up to 1052 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1833 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04445

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 05, 2015

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/5/2015	

## Mechanical Integrity Test

### Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 02 / 04 / 15  
 Test conducted by: Michael Jensen  
 Others present: \_\_\_\_\_

Well Name: <u>Jonah 8-7-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/NE</u> Sec: <u>7</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u>	State: <u>Ut</u>
Operator: <u>Newfield</u>		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1954</u>	PSIG

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

Pre-test casing/tubing annulus pressure: 0 / 1833 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1833</u> psig	psig	psig
End of test pressure	<u>1833</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1049.6</u> psig	psig	psig
5 minutes	<u>1051.2</u> psig	psig	psig
10 minutes	<u>1051.2</u> psig	psig	psig
15 minutes	<u>1052.0</u> psig	psig	psig
20 minutes	<u>1052.0</u> psig	psig	psig
25 minutes	<u>1052.4</u> psig	psig	psig
30 minutes	<u>1052.4</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

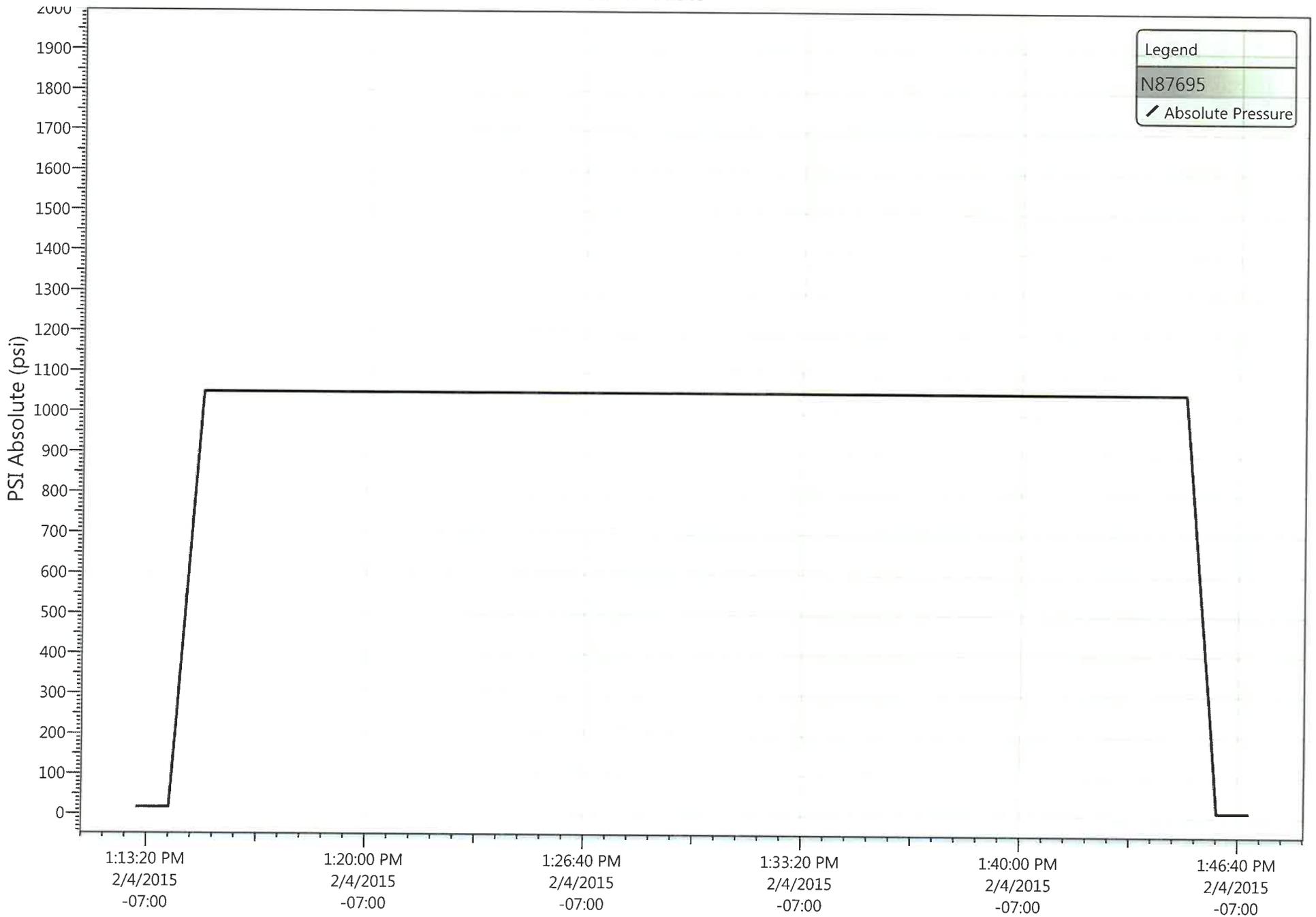
### MECHANICAL INTEGRITY PRESSURE TEST

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

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

### Jonah 8-7-9-17 5 Year MIT

2/4/2015 1:12:26 PM



Spud Date: 1-13-98  
 Put on Production: 2-13-98  
 GL: 5304' KB: 5316'

# Jonah 8-7-9-17

Initial Production: 45 BOPD, 40 MCFD, 4 BOPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt; est 4 bbl cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts (5695')  
 DEPTH LANDED: 5687'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Hibond & 370 sxs Thixotropic  
 CEMENT TOP AT: 1778'

### Tubing Record

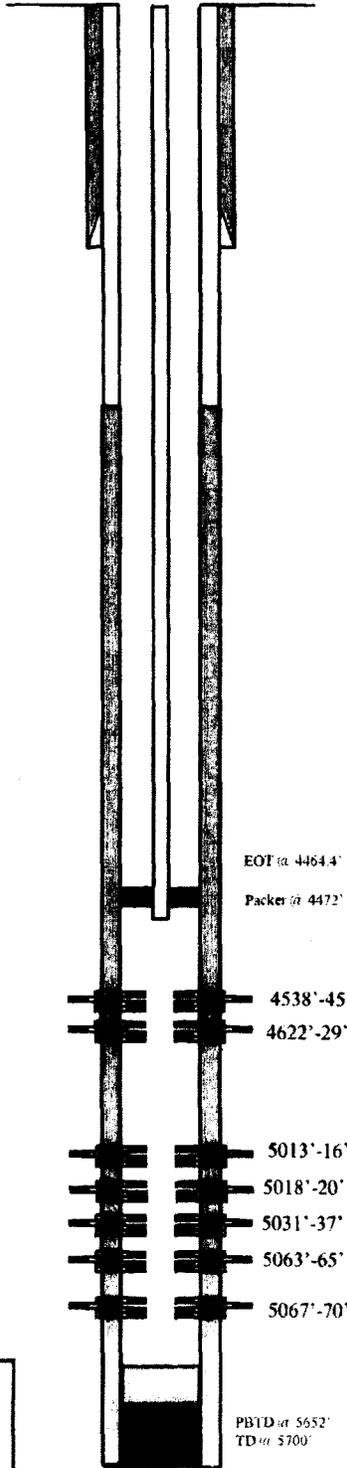
SIZE GRADE WT.: 2-7/8" M-50 6.5#  
 NO. OF JOINTS: 143 jts (4463.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4463.3' KB  
 PACKER: 4464.4'  
 TOTAL STRING LENGTH: EOT @ 4472'

### FRAC JOB

**2-8-98 5013'-5070' Frac A sand as follows:**  
 111,400# 20-40 sand in 548 bbls Delta Frac. Breakdown @ 2700 psi. Treated w avg press of 2130 psi w avg rate of 30.8 BPM. ISIP-2176 psi, 5 min 1984 psi. Flowback on 12.64" ck for 3-1.2 hrs & died.

**2-11-98 4538'-4629' Frac D/YDC sands as follows:**  
 111,300# 20-40 sand in 535 bbls Delta Frac. Breakdown @ 2652 psi. Treated w avg press of 2050 psi w avg rate of 30.2 BPM. ISIP-2337 psi, 5 min 2220 psi. Flowback on 12.64" ck for 4-1.2 hrs & died.

03-04-10 5 YR MIT  
 10.18.10 Well Stimulation. Tubing detail updated



EOT @ 4464.4'

Packer @ 4472'

4538'-45'

4622'-29'

5013'-16'

5018'-20'

5031'-37'

5063'-65'

5067'-70'

PBTD @ 5652'  
 TD @ 5700'

### PERFORATION RECORD

2-7-98	5013'-5016'	4 SPF	12 holes
2-7-98	5018'-5020'	4 SPF	8 holes
2-7-98	5031'-5037'	4 SPF	24 holes
2-7-98	5063'-5065'	4 SPF	8 holes
2-7-98	5067'-5070'	4 SPF	12 holes
2-10-98	4538'-4545'	4 SPF	28 holes
2-10-98	4622'-4629'	4 SPF	28 holes

**NEWFIELD**

**Jonah 8-7-9-17**

2046' FNL 810' FWL

SENE Section 7-T9S-R17E

Duchesne Co, Utah

API #43-013-31989; Lease #UTU-3563A

TW 01/13/2011