

UTAH OIL AND GAS CONSERVATION COMMISSION

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

970730 Amended footages for APD:

DATE FILED JANUARY 27, 1997

LAND FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-74826 INDIAN

DRILLING APPROVED: JULY 7, 1997

SPUDED IN 6.26.97

COMPLETED: 8.2.97 PDW PUT TO PRODUCING

INITIAL PRODUCTION 90 BBL, 85 MCF, 8 BBL

GRAVITY API .944

PRODUCING ZONES 4866-5896' ARRIV

TOTAL DEPTH 5980'

WELL ELEVATION: 5851' GR

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:

COUNTY: DUCHESNE

WELL NO. NORTH ASHLEY 1-1

API NO. 43-013-31787

LOCATION 533 FNL FT FROM (N) (S) LINE. 516 FEL

FT FROM (E) (W) LINE. NE NE

1/4 - 1/4 SEC 1

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	15E	1	INLAND PRODUCTION				

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgait Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
garden gulch	4150	Dakota	Park City
Point 3	4418	Burro Canyon	Rico (Goodridge)
x marker	4681	Cedar Mountain	Supai
y marker	4718	Buckhorn	Wolfcamp
DECKER	4831	JURASSIC	CARBON I FEROUS
Carbonate	5018	Morrison	Pennsylvanian
Carbon	5196	Salt Wash	Oquirrh
Castle Peak	5724	San Rafael Gr.	Weber
Basal Carb.	NDE	Summerville	Morgan
North Horn		Bluff Sandstone	Hermosa
Almy		Curtis	CAMBRIAN
Paleocene		Entrada	Pardox
Current Creek		Moab Tongue	Ismay
North Horn		Carmel	Desert Creek
CRETACEOUS		Glen Canyon Gr.	Akah
Montana		Navajo	Barker Creek
Mesaverde		Kayenta	
Price River		Wingate	Cane Creek
Blackhawk		TRIASSIC	

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-74826**

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

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**North Ashley**

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

9. WELL NO.  
**#1-1**

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

10. FIELD AND POOL OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **NE/NE**  
 At proposed Prod. Zone **523' FNL & 533' FEL**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 1, T9S, R15E**

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

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**523'**

16. NO. OF ACRES IN LEASE

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.  
**None**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5851' GR**

22. APPROX. DATE WORK WILL START\*  
**First quarter 1997**

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

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

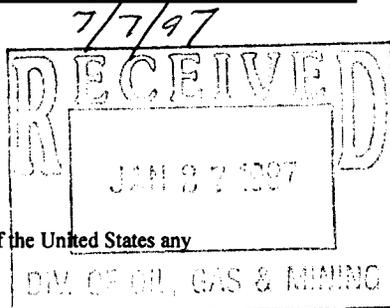
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
 If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout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

24. SIGNED *Brad Mechem* TITLE **District Manager** DATE **1/16/97**  
**Brad Mechem**

(This space for Federal or State office use)  
 PERMIT NO. 43-013-31787 APPROVAL DATE \_\_\_\_\_

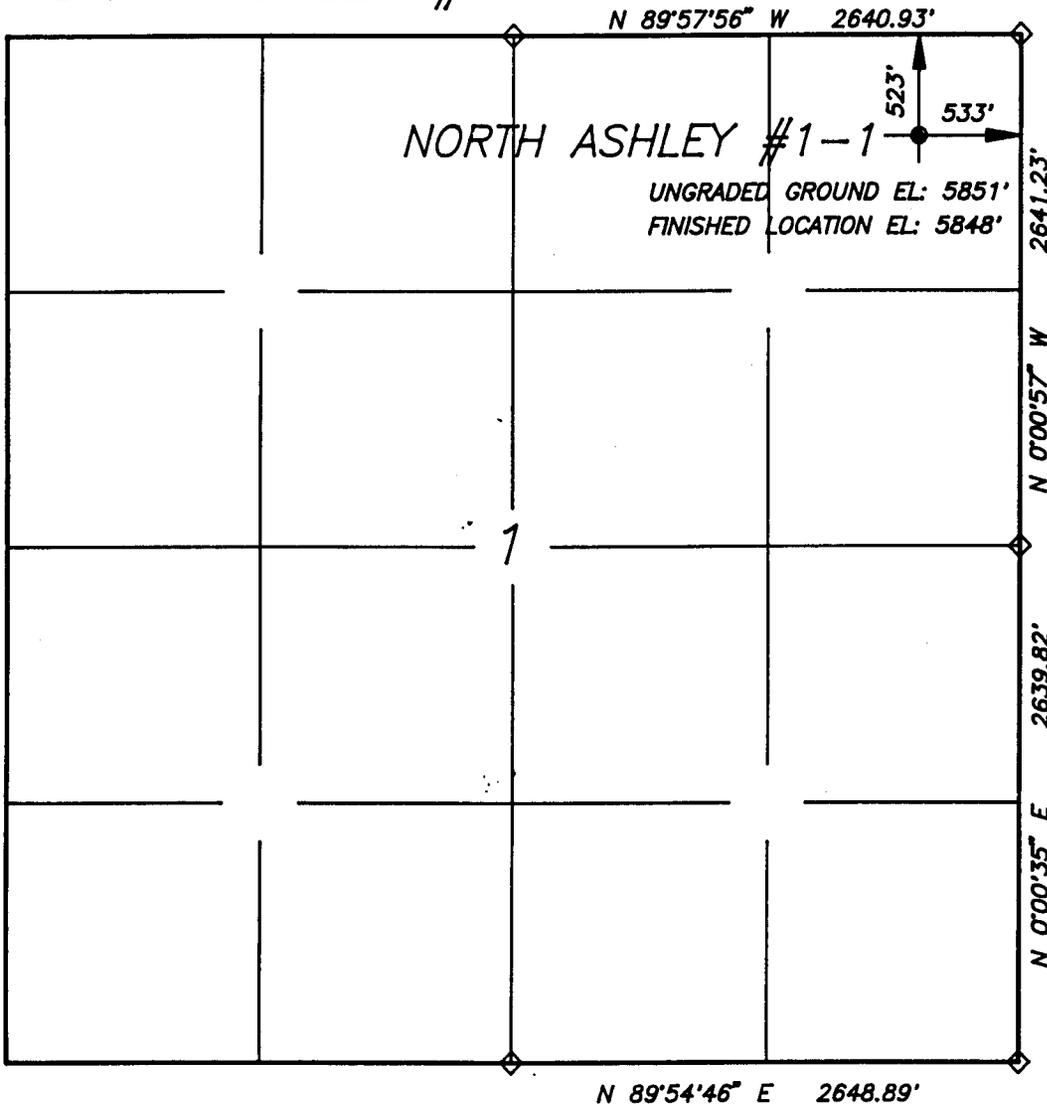
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 CONDITIONS OF APPROVAL, IF ANY:  
*John R. Bay* *Petroleum Engineer*

\*See Instructions On Reverse Side

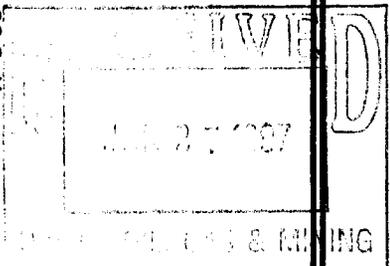


**INLAND PRODUCTION CO.**  
**WELL LOCATION PLAT**  
**NORTH ASHLEY #1-1**

LOCATED IN THE NE1/4 OF THE NE1/4  
 SECTION 1, T9S, R15E, S.L.B.&M.

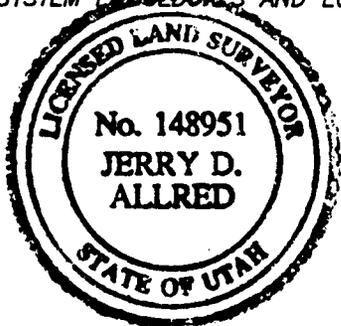


SCALE: 1" = 1000'



**LEGEND AND NOTES**

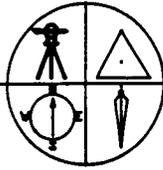
- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.
- THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.
- THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT.



**SURVEYOR'S CERTIFICATE**

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

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



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

**INLAND PRODUCTION COMPANY  
NORTH ASHLEY #1-1  
NE/NE SECTION 1, T9S, R15E  
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	6600'

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

Green River Formation 3050' - 6600' - & Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' KB (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 chrometes 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 PBSD 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 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

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

It is anticipated that the drilling operations will commence the first quarter of 1997, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
NORTH ASHLEY #1-1  
NE/NE SECTION 1, T9S, R15E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site North Ashley #1-1 located in the NE 1/4 NE 1/4 Section 1, T9S, R15E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 1.7 miles to its junction with an existing paved road to the southwest; proceed southwesterly along this road 4.6 miles to the junction of an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to the junction of an existing dirt road to the southeast; proceed southeasterly 2.5 miles to the beginning of the proposed access road, to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 53 ends, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

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

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

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SE 1/4 NE 1/4 Section 1, T9S, R15E, S.L.B., and proceeds in a northeasterly direction approximately 1700'  $\pm$ , to the proposed location site.

The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road where 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%.

## NORTH ASHLEY #1-1

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

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

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

### 3. LOCATION OF EXISTING WELLS

There is one (1) producing, Inland Production Co. Well, and three (3) oil producing, and one (1) P&A, Dalen wells, within a one (1) mile radius of this well. See Exhibit "D".

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

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

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

Tank batteries will be built to BLM specifications.

### 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, Gilsonite, and Ashley 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 North Ashley #1-1.

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

There will be no water well drilled at this site.

### 6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit ( 80 X 30 X 6' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. 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 east between stakes 4 & 5.

No flare pit will be used at this location.

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

Access to the well pad will be from the southwest corner, between stakes 7 & 8.

**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 will 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 Company 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 will be submitted, as soon as it becomes available.

*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 North Ashley #1-1 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 North Ashley #1-1 we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #1-1 NE/NE Section 1, Township 9S, Range 15E: Lease U-74826, Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

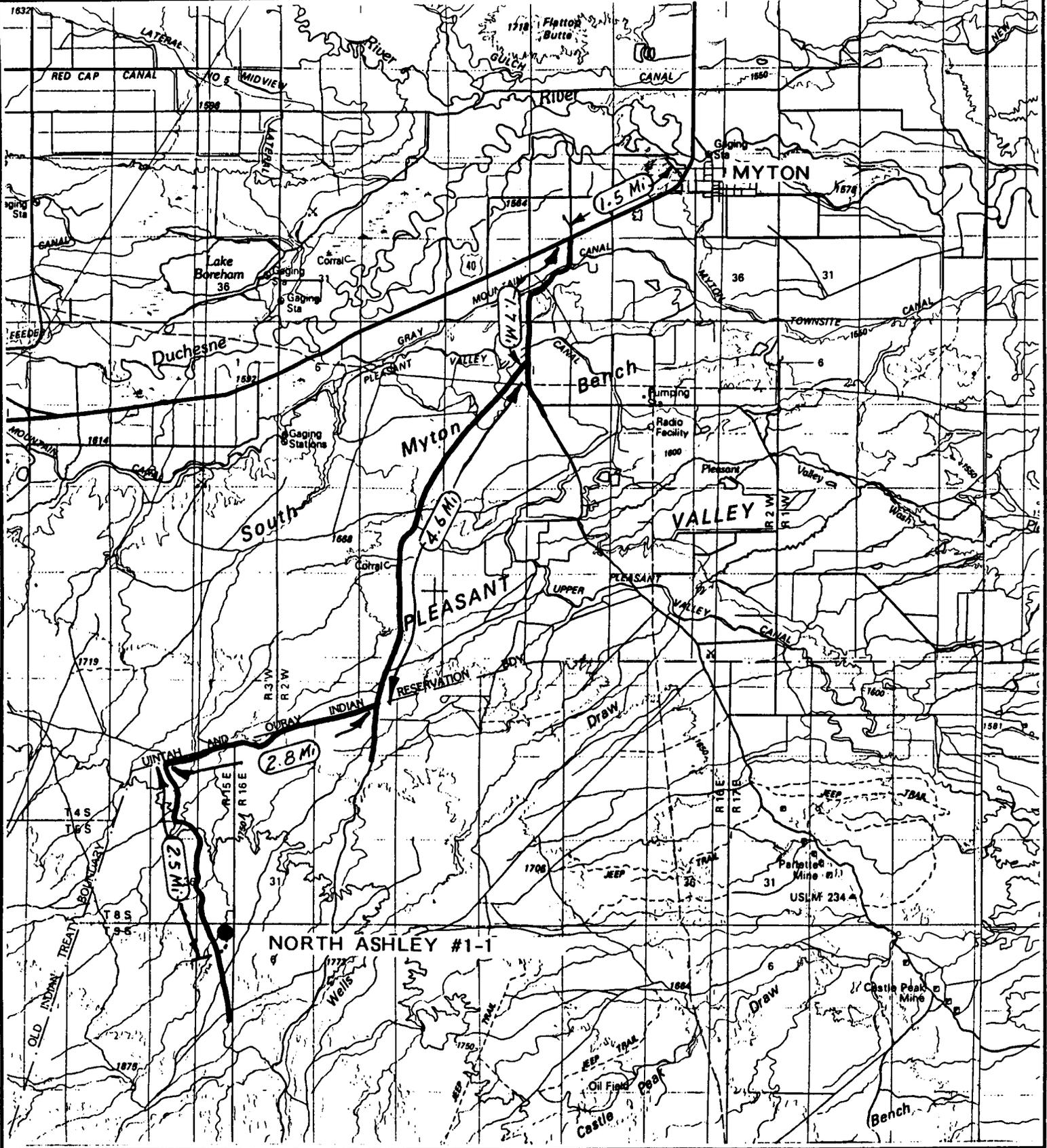
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with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

1-20-97

Date

Brad Mecham

Brad Mecham  
District Manager



TOPOGRAPHIC  
MAP "A"

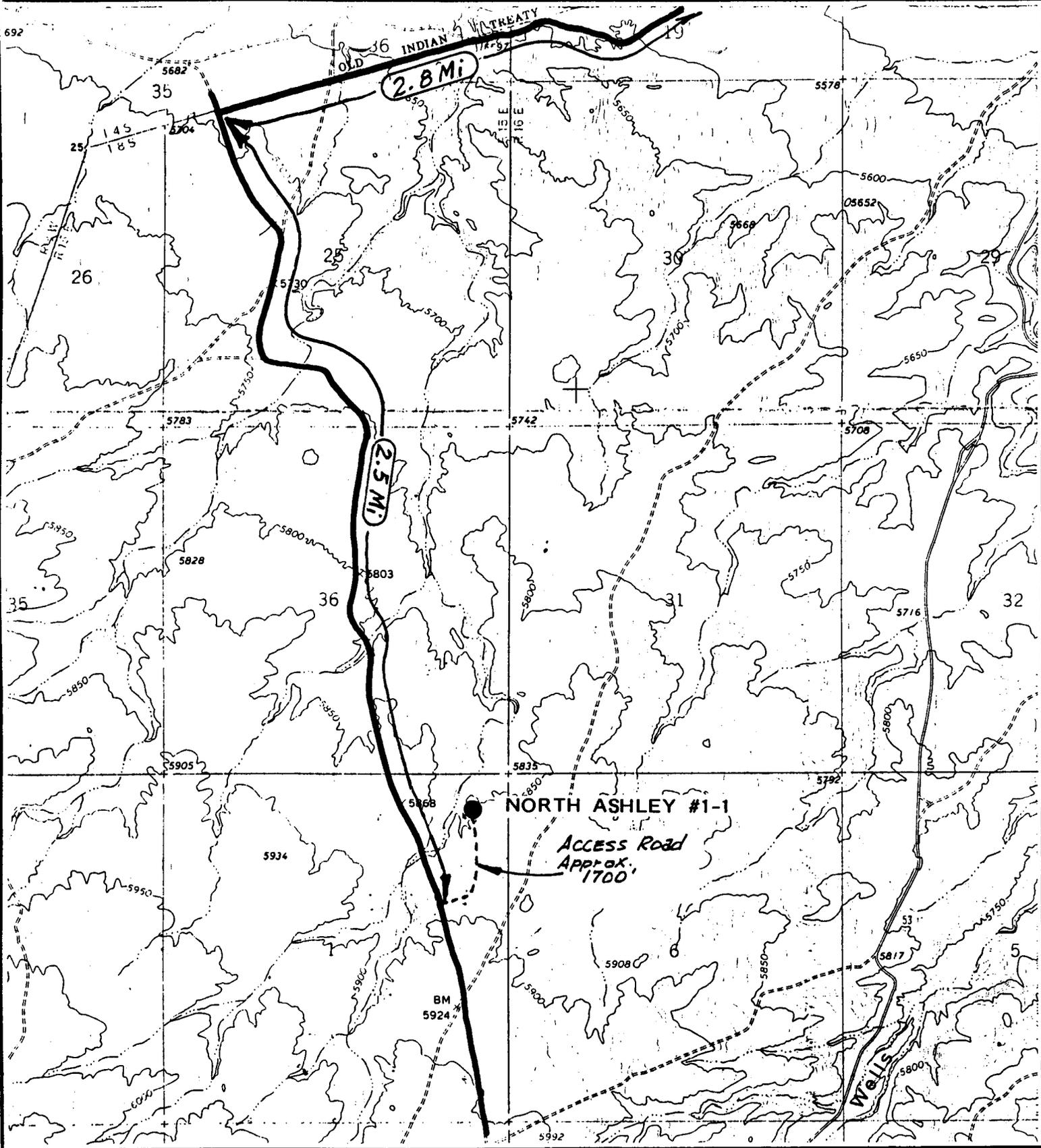


**INLAND PRODUCTION COMPANY**

NORTH ASHLEY #1-1  
SECTION 1, T9S, R15E, S.L.B.&M.

17 Dec '96

84-121-065



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

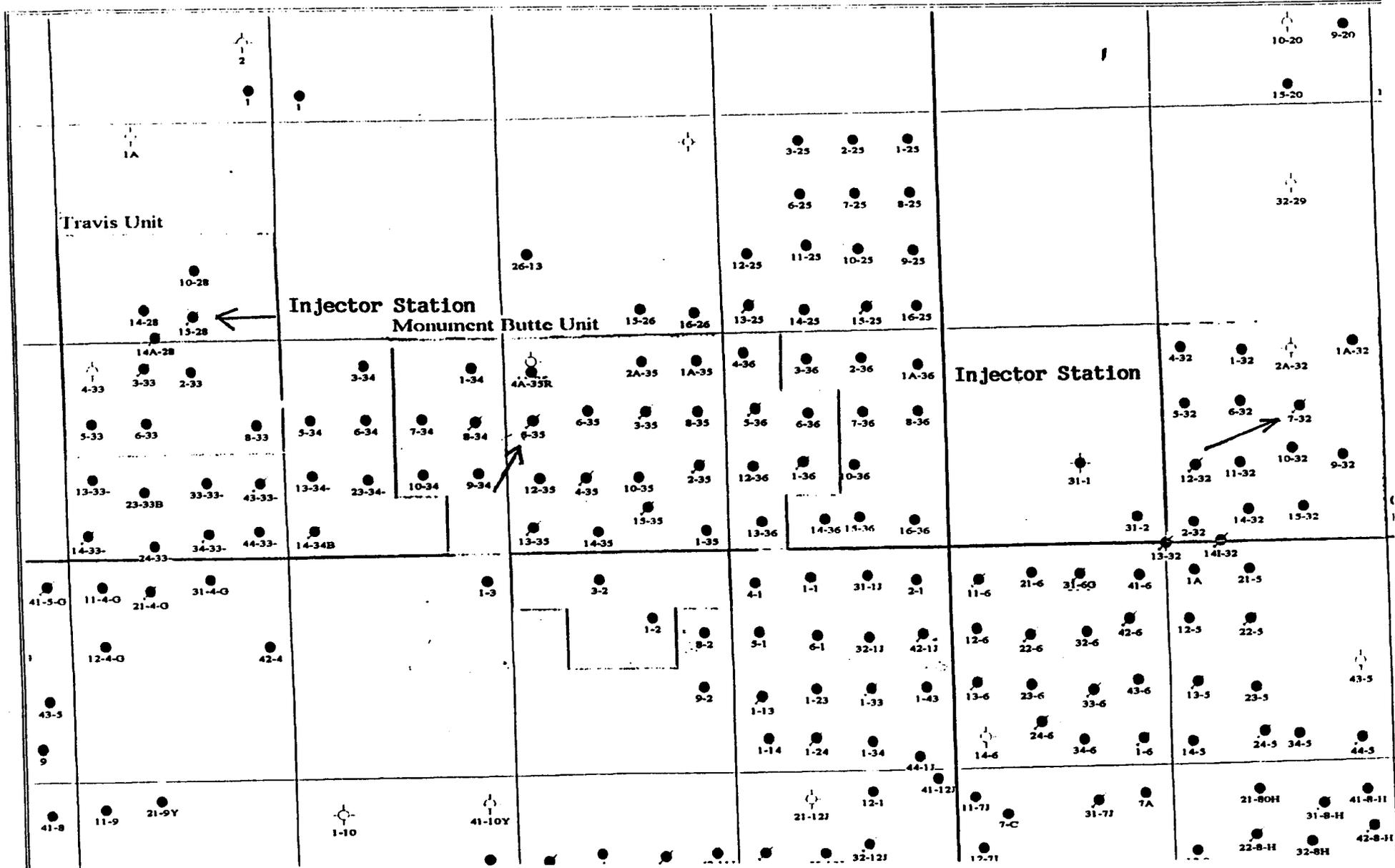


**INLAND PRODUCTION COMPANY**

NORTH ASHLEY #1-1  
SECTION 1, T9S, R15E, S.L.B.&M.

17 Dec '96 84-121-065

EXHIBIT "C"



**Inland**  
 415 17<sup>th</sup> Street, Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 291-0900

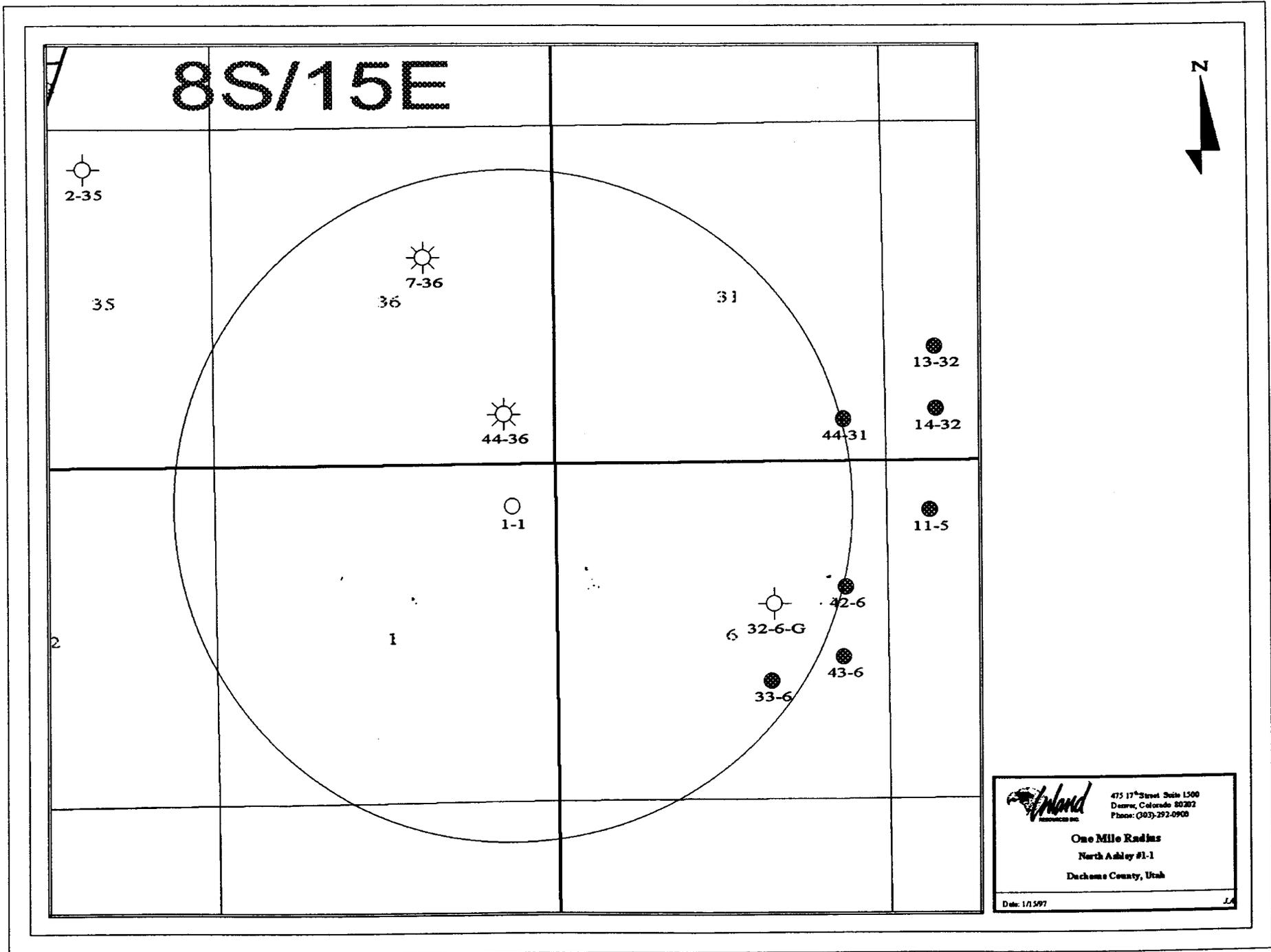
Regional Area

Dechene Counties, Utah

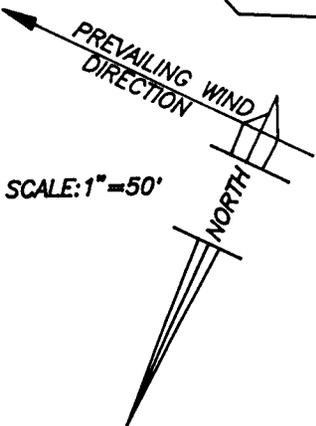
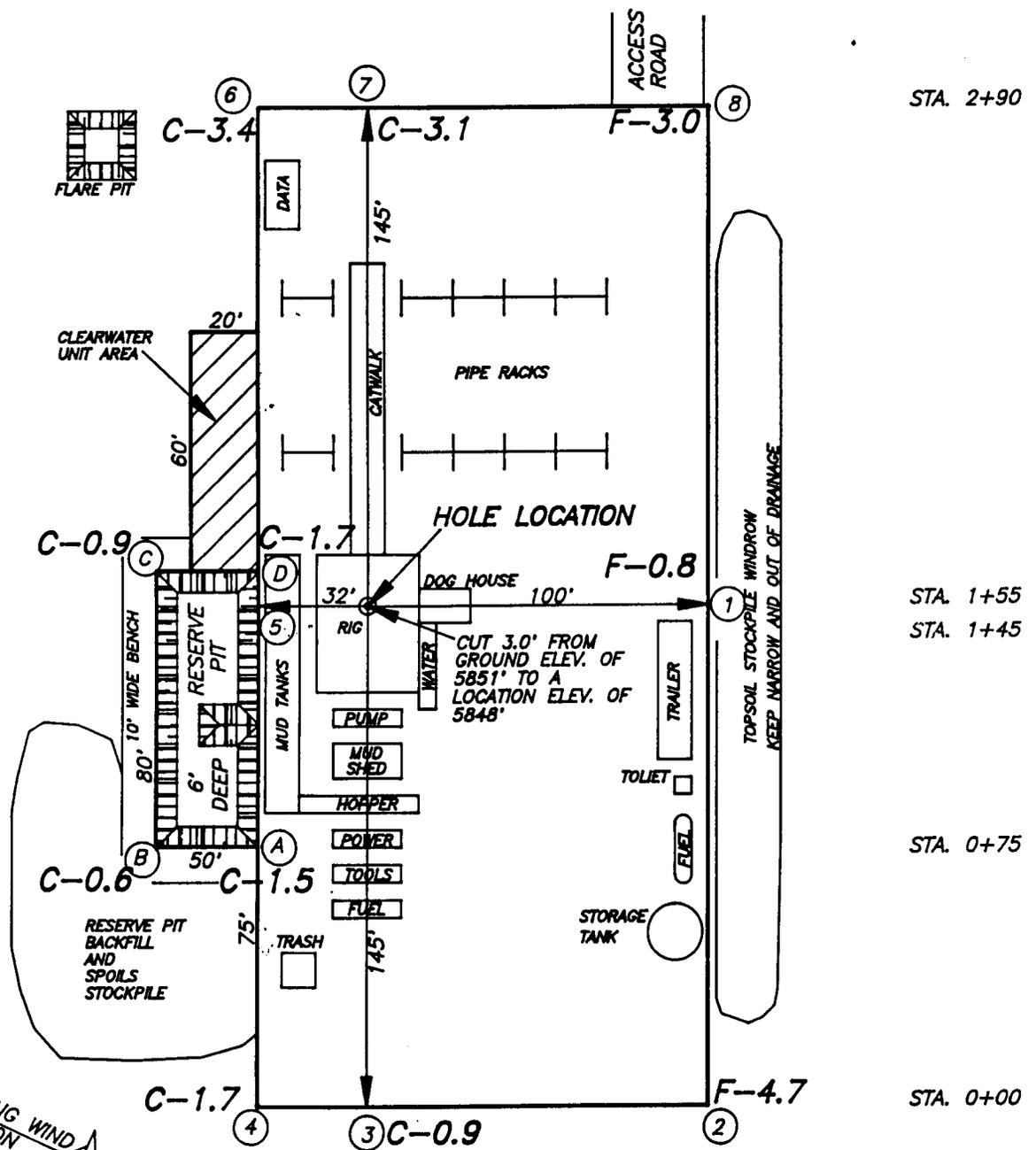
Dec 31/96 J.A.



EXHIBIT "D"



# INLAND PRODUCTION CO. LOCATION LAYOUT PLAT NORTH ASHLEY #1-1 SECTION 1, T9S, R15E, S.L.B.7M.

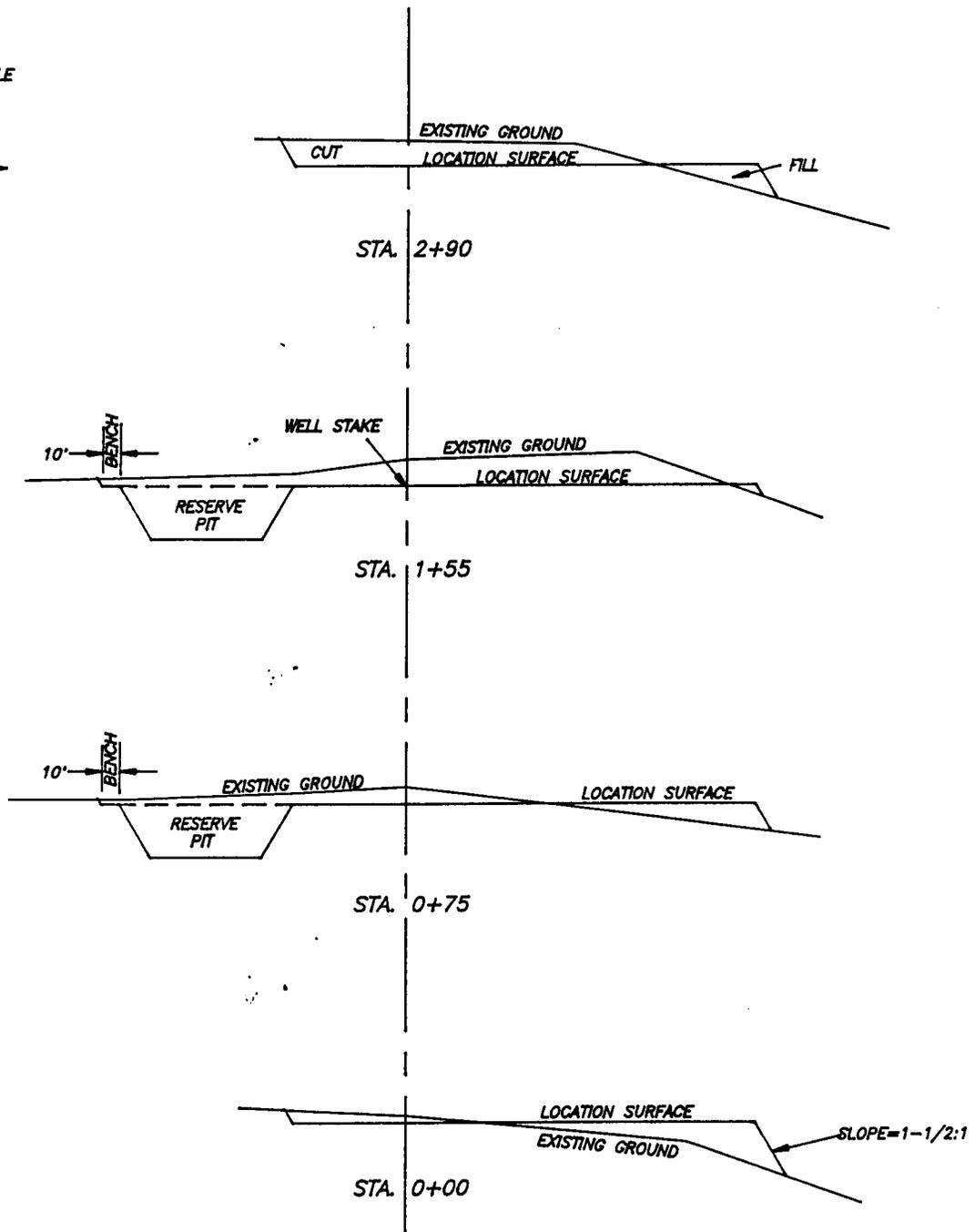
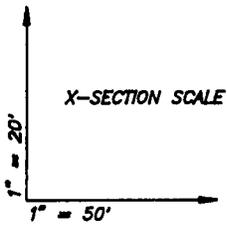


JERRY D. ALLRED AND ASSOCIATES  
121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESNE, UTAH 84021  
(801) 738-5352

16 DEC 1996

84-121-065

INLAND PRODUCTION CO.  
LOCATION LAYOUT PLAT  
NORTH ASHLEY #1-1  
SECTION 1, T9S, R15E, S.L.B.7M.



APPROXIMATE QUANTITIES

CUT: 3420 CU. YDS. (INCLUDES PIT)  
FILL: 620 CU. YDS

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

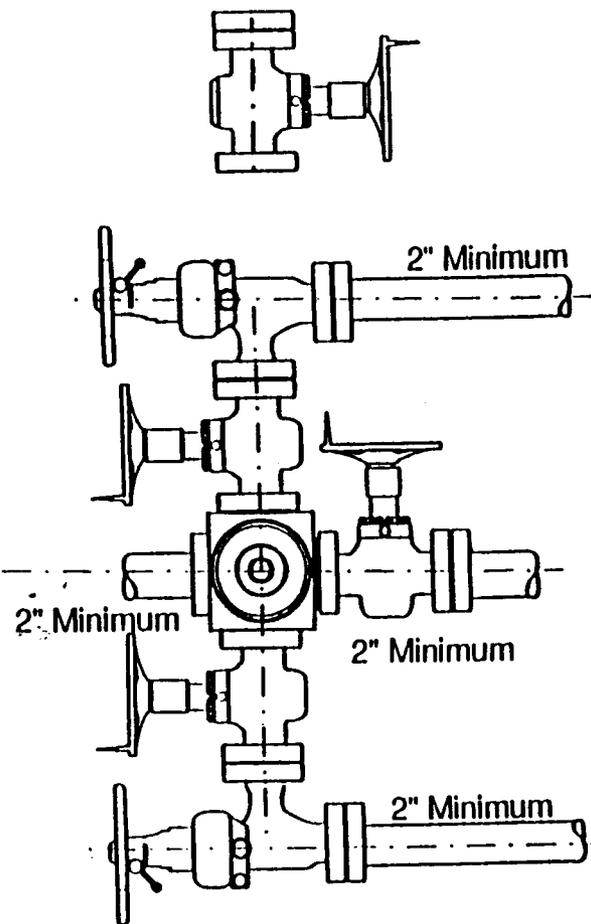
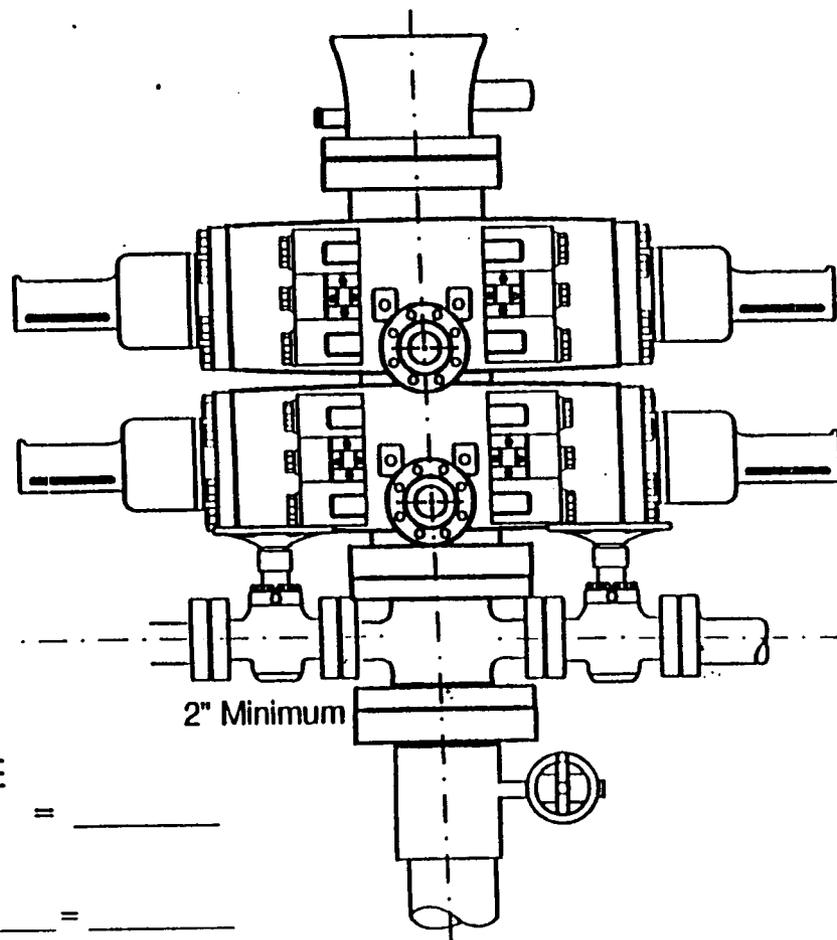
17 DEC 1996

84-121-065

# 2-M SYSTEM

## EXHIBIT F

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



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

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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/27/97

API NO. ASSIGNED: 43-013-31787

WELL NAME: NORTH ASHLEY #1-1  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:  
 NENE 01 - T09S - R15E  
 SURFACE: 0523-FNL-0533-FEL  
 BOTTOM: 0523-FNL-0533-FEL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 74826

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal [ State [ Fee []  
 (Number 4488944)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number GILSONITE STATE 132)
- 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: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-74826**

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

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**North Ashley**

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

9. WELL NO.  
**#1-1**

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

10. FIELD AND POOL OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **NE/NE**  
 At proposed Prod. Zone **523' FNL & 533' FEL** **43-013-31787**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 1, T9S, R15E**

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

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drlg. unit line, if any)  
**523'**

16. NO. OF ACRES IN LEASE

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.  
**None**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary** **JAN 24 1997**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5851' GR**

22. APPROX. DATE WORK WILL START\*  
**First quarter 1997**

23. PROPOSED CASING AND CEMENTING PROGRAM

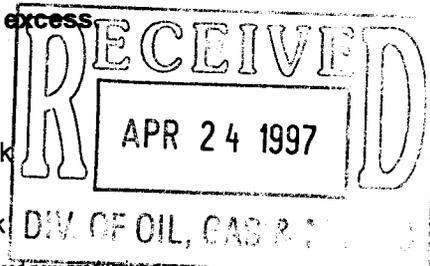
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	See Below
7 7/8"	5 1/2"	15.5#	TD	

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

**SURFACE PIPE - Premium Plus Cement, w/ 2% CaCl2, 1/4# Flocele/sk**  
 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 Brad Mechem TITLE **District Manager** DATE **1/16/97**

(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

Assistant Field Manager  
 Mineral Resources

**APR 21 1997**

\*See Instructions On Reverse Side  
**CONDITIONS OF APPROVAL ATTACHED**

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.

DOG M

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: North Ashley 1-1

API Number: 43-013-31787

Lease Number: U -74826

Location: NENE Sec. 23 T. 9S R. 15E

**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 the field representative 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.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at 416 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  216 ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) 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 3162.7-4.

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 onlease 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 on initial meter installations 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 approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

## SURFACE USE PROGRAM

- All travel will be confined to the existing access road right-of-way.

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

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

-One erosion dam would be constructed west of the location as designated by BLM.

-The topsoil should be placed around corner 6 and on the north side of the location instead of west side of the location as shown on the cut sheet.

### **-Mountain Plover**

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

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

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

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

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: NORTH ASHLEY FEDERAL 1-1

Api No. 43-013-31787

Section: 1 Township: 9S Range: 15E County: DUCHESNE

Drilling Contractor UNION

Rig # 7

SPUDDED:

Date 6/26/97

Time \_\_\_\_\_

How ROTARY

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

Reported by FAX

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

Date: 7/2/97 Signed: JLT

INLAND PRODUCTION CO. TEL: 801-722-5103 Jul 01, 97 9:36 No. 005 P.03

STATE OF UTAH  
 DEPARTMENT OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 5

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

OPERATOR ACCT. NO. H 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					90	SE	TP	RG			
	99999		43-013-31787	N. Ashley Federal #1-1	NENE	1	9S	15E	Duchesne	6/26/97	6/26/97
WELL 1 COMMENTS: Spud w/ Union, Rig #7 @ 2:00 PM on 6/26/97.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)**
- A - Establish new entity for new well (single well only)
  - D - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - B - 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.

  
 Signature/ Cheryl Cameron  
 RCS 7/1/97  
 Title Date  
 Phone No. 801, 789-1866



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)

July 7, 1997

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

Re: North Ashley 1-1 Well, 523' FNL, 533' FEL, NE NE,  
Sec. 1, T. 9 S., R. 15 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 43-013-31787.

Sincerely,

  
Lowell P. Braxton  
Deputy Director

lwp

Enclosures

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

Operator: Inland Production Company  
Well Name & Number: North Ashley 1-1  
API Number: 43-013-31787  
Lease: U-74826  
Location: NE NE Sec. 1 T. 9 S. R. 15 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-74826**

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

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**North Ashley**

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

9. WELL NO.  
**#1-1**

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

10. FIELD AND POOL OR WILDCAT  
**43-013-31787**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At Surface **NE/NE**  
 At proposed Prod. Zone **533' FNL & 516' FEL**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 1, T9S, R15E**

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

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**523'**

16. NO. OF ACRES IN LEASE

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.  
**None**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5851' GR**

22. APPROX. DATE WORK WILL START\*  
**First quarter 1997**

**23. PROPOSED CASING AND CEMENTING PROGRAM**

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

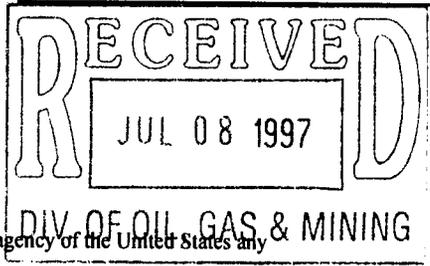
**The actual cement volumes will be calculated off of the open hole logs, plus 15% excess.**  
**SURFACE PIPE - Premium Plus Cement, w/ 2% CaCl2, 1/4# Flocele/sk**  
 Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 Gal/sk  
**LONG STRING - Lead: Hibond 65 Modified**  
 Weight: 11.0 PPG YIELD: 3.00 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 **6/30/97**  
**Cheryl Cameron**

(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: \_\_\_\_\_

**\*See Instructions On Reverse Side**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or 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)  
**NE/NE                      533' FNL & 516' FEL**  
**Sec. 1, T9S, R15E**

5. Lease Designation and Serial No.  
**U-74826**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation  
**Ashley Unit**

8. Well Name and No.  
**N. Ashley Federal #1-1**

9. API Well No.  
**43-013-31787**

10. Field and Pool, or Exploratory Area  
**Ashley**

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

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

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

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

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

**Inland Production requests that the attached Regulation Variance's be granted (Please refer to attachment "A") for the continued drilling operations for Ari Drilling with Union, Rig #7.**

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

Signed *Cheryl Cameron* Title **Regulatory Compliance Specialist** Date **6/30/97**  
**Cheryl Cameron**

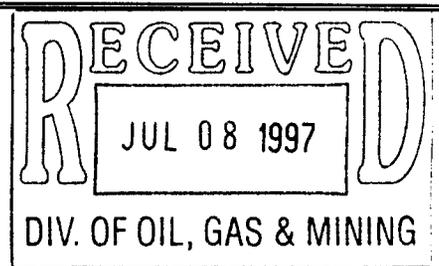
(This space of Federal or State office use.)

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

Conditions of approval, if any:

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\*See Instruction on Reverse Side



**Attachment "A"**

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

RE: Regulation Variance for continued drilling operations for Air Drilling with Union, Rig #7.

**N. Ashley Federal #1-1  
NE/NE Sec. 1, T9S, R15E  
Lease No. U-74826**

- (1) Inland Production Company requests that the mud type and program variance be granted for the following:

**MUD PROGRAM**

**MUD PROGRAM**

Surface - 320'  
320' - 4200'  
4200' - TD

**MUD TYPE**

Air  
Air/Mist & Foam  
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.

- (2) Inland Production Company requests that a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90 degree turns.
- (3) Inland Production Company requests that 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'.

- (4) The installation of the reserve pit fencing will be installed today (6/30/97,) on three sides during the drilling operations and the fourth side when the rig moves off location.
- (5) Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.
- (6) Inland Production Company requests authorization be granted a location move from the original footage permitted at 523' FNL & 533' FEL to 533' FNL & 516' FEL, in order to accommodate the drilling rig, Union, Rig #7.

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

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEXT ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12185	43-013-31787	N. Ashley Federal #1-1	WENE	1	9S	15E	Duchesne	6/26/97	6/26/97
WELL 1 COMMENTS: Spud w/ Union, Rig #7 @ 2:00 PM on 6/26/97. Entity added 8-20-97. Lec											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - D - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - B - 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.

Cheryl Cameron  
 Signature Cheryl Cameron  
 RCS 7/1/97  
 Title Date  
 Phone No. (301) 789-1866

TOTAL P.01

13/89

AUG-20-1997 11:49 FROM INLAND RESOURCES TO 18013593940 P.01

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas well     Other

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

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

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7. If unit or CA, Agreement Designation  
**Ashley Unit**

8. Well Name and No.  
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9. API Well No.  
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10. Field and Pool, or Exploratory Area  
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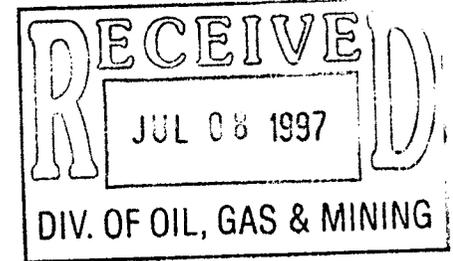
**12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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

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

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**Drilled 17 1/2" conductor hole (21' KB). Set 15' of 13 3/8" conductor. SPUD surface hole w/ Rotary Rig (Union, Rig #7) @ 2:00 pm 6/26/97. Drill rathole & mousehole. Drill from 21' - 41'. Drill surface hole from 41'-297'. Run 302.74' of 8 5/8" 24# ST&C csg. Pump 10 bbls dye wtr & 20 bbls gel. Cmt w/ 180 sx Prem + w/ 2% CC, 1/4#/sk flocele mixed @ 15.6 ppg w/ 1.18 ft/sk yield. Est 16 bbls cmt to surface.**



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

Signed *Cheryl Cameron* Title **Regulatory Compliance Specialist** Date **7/1/97**  
**Cheryl Cameron**

(This space of Federal or State office use.)

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

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*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)  
**NE/NE 533' FNL & 516' FEL  
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5. Lease Designation and Serial No.

**U-74826**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

**Ashley Unit**

8. Well Name and No.

**N. Ashley Federal #1-1**

9. API Well No.

**43-013-31787**

10. Field and Pool, or Exploratory Area

**Ashley**

11. County or Parish, State

**Duchesne, UT**

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	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Weekly Status</u>	<input type="checkbox"/> Dispose Water

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**WEEKLY STATUS REPORT FOR WEEK OF 6/27/97 - 7/3/97:**

**Finished drlg from 297' - 5980' w/ Union, Rig #7. Set 5964.87' of 5 1/2" 15.5# J-55 LT&C csg. Pump 20 bbls dye wtr & 20 bbls gel. Cmt w/ 300 sx Hibond 65 Mod, 11.0 ppg, 3.0 ft/sk yield, and followed w/ 340 sx Thixo w/ 10% CalSeal, 14.2 ppg, 1.59 ft/sk yield. Good returns w/ 20 bbls cmt to surface. Rig released @ 11:15 am 7/3/97. RDMOL.**

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

Signed *Cheryl Cameron*  
**Cheryl Cameron**

Title **Regulatory Compliance Specialist**

Date **7/11/97**

(This space of Federal or State office use.)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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*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)

**NE/NE                      533' FNL & 516' FEL  
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**U-74826**

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11. County or Parish, State

**Duchesne, UT**

**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**

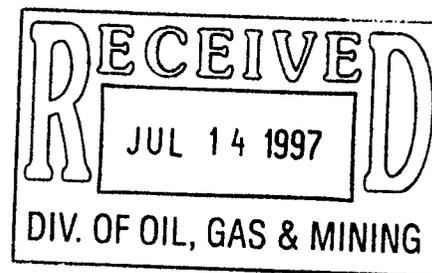
- |  |  |
|--|--|
| <input type="checkbox"/> Abandonment                           | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Recompletion                          | <input type="checkbox"/> New Construction        |
| <input type="checkbox"/> Plugging Back                         | <input type="checkbox"/> Non-Routine Fracturing  |
| <input type="checkbox"/> Casing repair                         | <input type="checkbox"/> Water Shut-off          |
| <input type="checkbox"/> Altering Casing                       | <input type="checkbox"/> Conversion to Injection |
| <input checked="" type="checkbox"/> Other <u>Weekly Status</u> | <input type="checkbox"/> Dispose Water           |

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

Signed *Cheryl Cameron*  
**Cheryl Cameron**

Title **Regulatory Compliance Specialist**

Date **7/11/97**

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5. Lease Designation and Serial No. <b>U-74826</b>
6. If Indian, Allottee or Tribe Name
7. If unit or CA, Agreement Designation <b>Ashley Unit</b>
8. Well Name and No. <b>N. Ashley Federal #1-1</b>
9. API Well No. <b>43-013-31787</b>
10. Field and Pool, or Exploratory Area <b>Ashley</b>
11. County or Parish, State <b>Duchesne, UT</b>

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1. Type of Well  
 Oil Well     Gas well     Other

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**Inland Production Company**

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	<input type="checkbox"/> New Construction
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Signed *Cheryl Cameron* Title **Regulatory Compliance Specialist** Date **7/11/97**  
**Cheryl Cameron**

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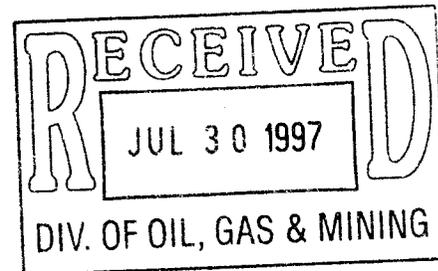
TYPE OF SUBMISSION		TYPE OF ACTION			
<input type="checkbox"/>	Notice of Intent	<input type="checkbox"/>	Abandonment	<input type="checkbox"/>	Change of Plans
<input checked="" type="checkbox"/>	Subsequent Report	<input type="checkbox"/>	Recompletion	<input type="checkbox"/>	New Construction
<input type="checkbox"/>	Final Abandonment Notice	<input type="checkbox"/>	Plugging Back	<input type="checkbox"/>	Non-Routine Fracturing
		<input type="checkbox"/>	Casing repair	<input type="checkbox"/>	Water Shut-off
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**WEEKLY STATUS REPORT FOR WEEK OF 7/15/97 - 7/24/97:**

**Perf CP sd 5824'-5831', 5878'-5884', 5888'-5896'**  
**Perf C sd 5025'-5029', 5036'-5040', 5043'-5045'**  
**Perf B sd 5144'-5147', 5155'-5157', 5169'-5172'**  
**Perf D sd 4866'-4877'**



14. I hereby certify that the foregoing is true and correct  
 Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 7/25/97  
 Cheryl Cameron

(This space of Federal or State office use.)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
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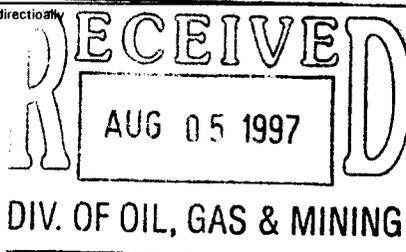
TYPE OF SUBMISSION	TYPE OF ACTION	
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**WEEKLY STATUS REPORT FOR WEEK OF 7/25/97 - 7/31/97:**

**Hunt f/ hole in csg. Found split @ 141' - 143' & 0' - 2' @ surface. Relog - fr/ 3100' - surf to check ID's of csg. RIH & chemical cut csg @ 244'. Fish w/ 5 1/2" csg. Latch onto fish @ 244'. Separation in csg @ 254'. TIH w/ 5 1/2" csg pup jt (8.80') skirted w/ cut lip guide, 6 jts 5 1/2" J-55 LT&C csg (263.05' total.) Screw onto csg string. Fill new 5 1/2" csg & press test to 2000 psi. Cut of 8 5/8" below split. Weld on new section of 8 5/8" 24# csg. Cut off csg & weld on pin. Re-frac D sd.**



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

Signed *Cheryl Cameron* Title Regulatory Compliance Specialist Date 8/1/97  
**Cheryl Cameron**

(This space of Federal or State office use.)

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

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SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well [X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator Inland Production Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE/NE 533' FNL & 516' FEL Sec. 1, T9S, R15E

5. Lease Designation and Serial No. U-74826

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation Ashley Unit

8. Well Name and No. N. Ashley Federal #1-1

9. API Well No. 43-013-31787

10. Field and Pool, or Exploratory Area Ashley

11. County or Parish, State Duchesne, UT

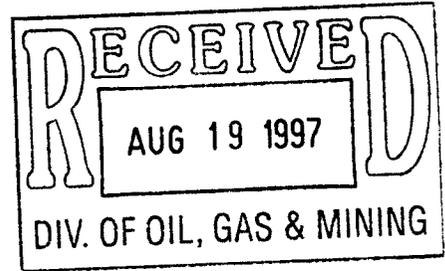
12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

WEEKLY STATUS REPORT FOR WEEK OF 8/1/97 - 8/3/97:

RIH w/ Production String. On Production @ 4:00 PM 8/2/97



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

Signed Cheryl Cameron

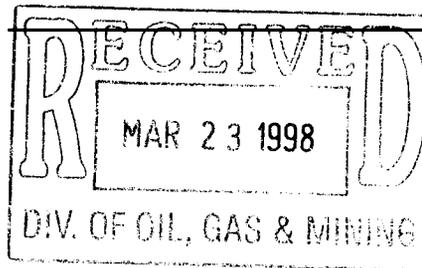
Title Regulatory Compliance Specialist Date 8/11/97

(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.



March 20, 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  
Ashley Federal #1-1, Ashley Unit  
Monument Butte Field, Lease #U-74826  
Section 1-Township 9S-Range 15E  
Duchesne County, Utah

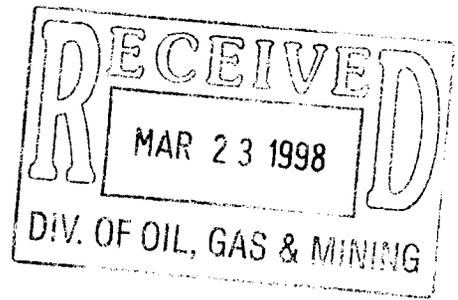
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Ashley Federal #1-1 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Ashley Unit.

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

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**

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

**ASHLEY FEDERAL #1-1**

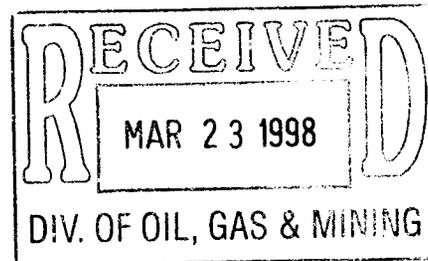
**ASHLEY UNIT**

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

**LEASE #U-74826**

**MARCH 10, 1998**

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<b>ATTACHMENT H-1</b>	<b>WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL</b>



# North Ashley #1-1

Spud Date: 6/26/97  
 Put on Production: 8/02/97  
 GL: 5851' KB: 5861'

Initial Production: 90  
 BOPD, 85 MCFPD, 8 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. 302.74'  
 DEPTH LANDED: 312.41' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 180 sxs Premium cmt, est 16 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5964.87')  
 DEPTH LANDED: 5975.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Hibond mixed & 340 sxs thixotropic  
 CEMENT TOP AT: 1050' per CBL

## TUBING

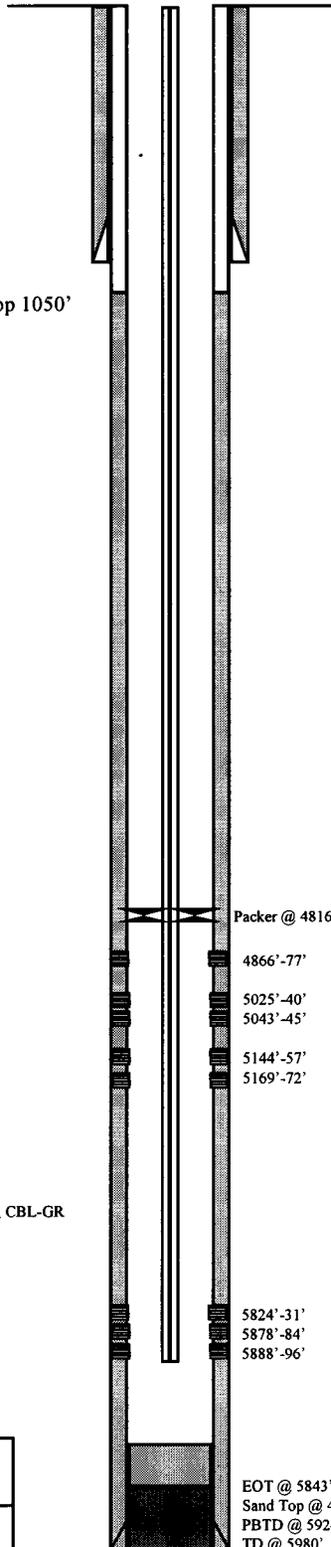
SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING PACKER: 4816'  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5843')  
 SN LANDED AT: ?

## SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

## Proposed Injection Wellbore Diagram

Cement Top 1050'



## FRAC JOB

7/18/97 5824'-5896' **Frac CP sand as follows:**  
 95,900# of 20/40 sand in 531 bbls of Boragel. Breakdown @ 1630 psi.  
 Treated @ avg rate of 30.5 bpm w/avg press of 2630 psi. ISIP-2685 psi, 5-min 2260 psi. Flowback on 12/64" ck for 4 - 1/2 hours and died.

7/22/97 5025'-5157' **Frac C/B sand as follows:**  
 122,700# of 20/40 sand in 6137 bbls of Boragel. Breakdown @ 2330 psi.  
 Treated @ avg rate of 25.5 bpm w/avg press of 2200 psi. ISIP-2723 psi, 5-min 2576 psi. Flowback on 12/64" ck for 4 - 1/2 hours and died.

7/24/97 4866'-4877' **Frac D sand as follows:**  
 82,300# of 20/40 sand in 416 bbls of Boragel. Breakdown @ 3339 psi.  
 Treated @ avg rate of 25.8 bpm w/avg press of 6420 psi. ISIP-4806 psi, 5-min 4549 psi. Flowback on 12/64" ck for 10 minutes and died.

## PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
7/19/97	5888'-5896'	4	JSPF 32 holes
7/19/97	5878'-5884'	4	JSPF 24 holes
7/19/97	5824'-5831'	4	JSPF 28 holes
7/22/97	5169'-5172'	4	JSPF 12 holes
7/22/97	5144'-5157'	4	JSPF 20 holes
7/22/97	5043'-5045'	4	JSPF 8 holes
7/22/97	5025'-5040'	4	JSPF 32 holes
7/24/97	4866'-4877'	4	JSPF 44 holes



**Inland Resources Inc.**

**North Ashley #1-1**

533 FNL 516 FEL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31787; Lease #U-74826

EOT @ 5843'  
 Sand Top @ 4866'  
 PBTD @ 5924'  
 TD @ 5980'

## **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 Ashley Federal #1-1 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Ashley Unit. 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. In the Ashley Federal #1-1 well, the proposed injection zone is from 4866'-5896'. 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 4866'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Ashley Federal #1-1 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 State lease (Lease #U-74826), in the Monument Butte (Green River) Field, Ashley Unit, and this request is for administrative approval.

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

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

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

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

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

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

The casing program is 8-5/8", 24#, J-55 surface casing run to 302.74' GL, and the 5-1/2" casing run from surface to 5964.87' 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 2649 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 Ashley Federal #1-1, for proposed zones (4866' – 5896') calculates at .89 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 2649 psig. See Attachment G through G-4.

**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 Ashley Federal #1-1, the injection zone (4866'-5896') 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-6.

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

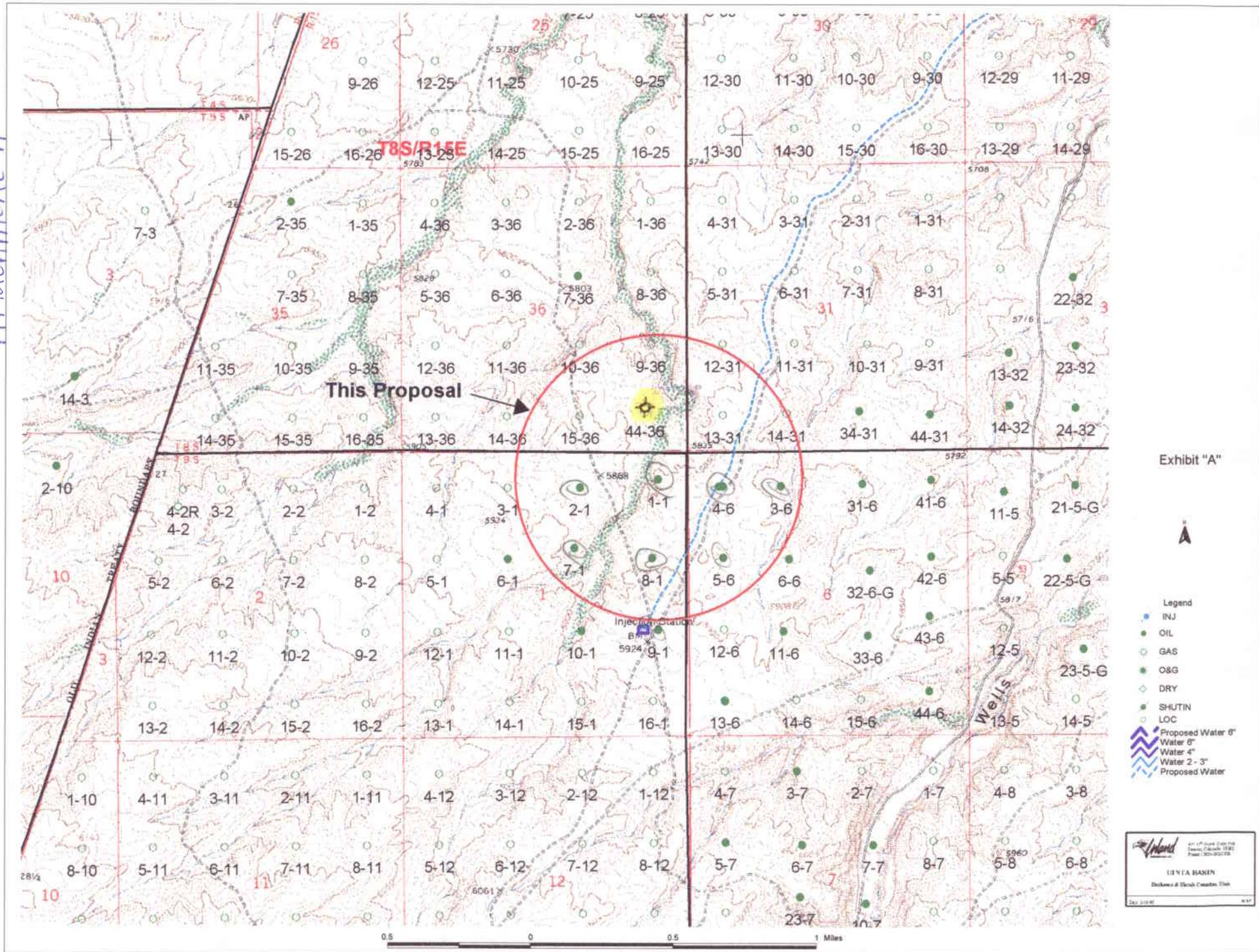


Exhibit "A"

- Legend
- INJ
- OIL
- GAS
- O&G
- DRY
- SHUTIN
- LOC
- Proposed Water 8"
- Water 8"
- Water 4"
- Water 2 - 3"
- Proposed Water

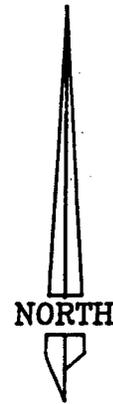
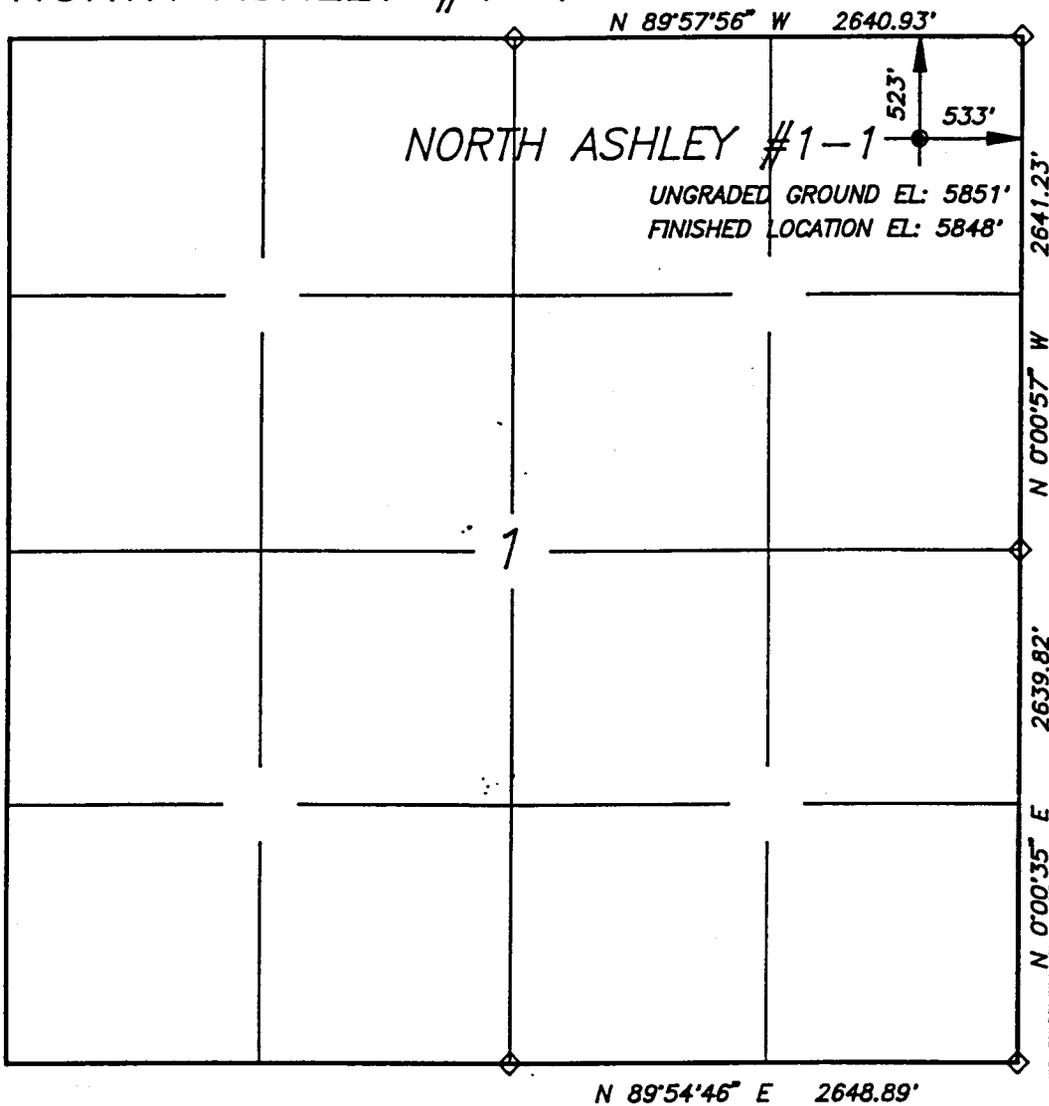
**Inland** Energy Services  
an offshoot of Inland Energy Services  
Denver, Colorado 80202  
Phone: 303-907-0778

**URYA BASIN**  
Bakken & Three Counties, Utah

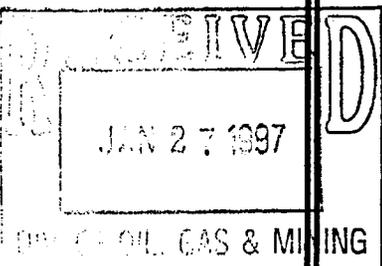
Map 2018-01

# INLAND PRODUCTION CO. WELL LOCATION PLAT NORTH ASHLEY #1-1

LOCATED IN THE NE1/4 OF THE NE1/4  
SECTION 1, T9S, R15E, S.L.B.&M.

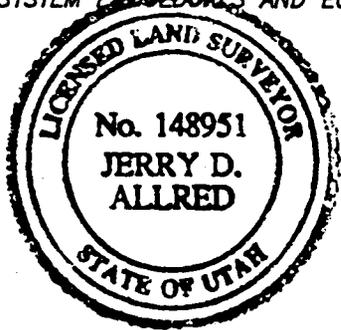


SCALE: 1" = 1000'



### LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.
- THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.
- THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT.



### SURVEYOR'S CERTIFICATE

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

*Jerry D. Allred*

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



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

EXHIBIT B

Page 1

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased By
1	Township 9 South, Range 15 East Section 1: All HBP Section 3: All Section 10: All Section 11: All Section 12: All	UTU-74826	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
2	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 17: NW/4 Section 18: N/2	UTU-74390 HBP	Inland Production Company Yates Petroleum Corp. Abo Petroleum Corp. Myco Industries, Inc. Yates Drilling Co.	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased By
3	Township 8 South, Range 16 East Section 31: SE/4SW/4, SE/4SE/4	UTU-49950 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
4	Township 8 South, Range 16 East Section 13: Lots 1-4, NE/4, E/2NW/4, NE/4SW/4 N/2SE/4, SW/4SE/4	UTU-74389 10/18/2005	Inland Production Company Yates Petroleum Corp. Abo Petroleum Corp. Mycro Industries, Inc. Yates Drilling Co.	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
5	Township 8 South, Range 15 East Section 36: All	ML-21835 HBP	Inland Production Company Global Natural Resources Corp.	(Surface Rights) State (Grazing Rights) Elmer Moon & Sons

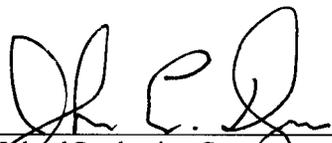
Attachment B  
(Pg 2 of 2)

ATTACHMENT C

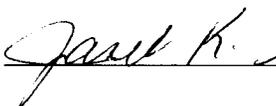
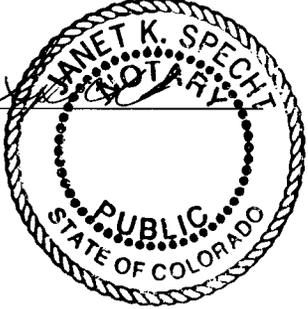
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Ashley Federal #1-1

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

Notary Public in and for the State of Colorado:   


# North Ashley #1-1

Spud Date: 6/26/97  
 Put on Production: 8/02/97  
 GL: 5851' KB: 5861'

Initial Production:90  
 BOPD, 85 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
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 CEMENT TOP AT: 1050' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING ANCHOR: 5675'  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5843')  
 SN LANDED AT: 5772'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 98-3/4" scraped, 4-1-1/2" guided rods, 127-3/4" slick rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16 RHAC rod pump  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

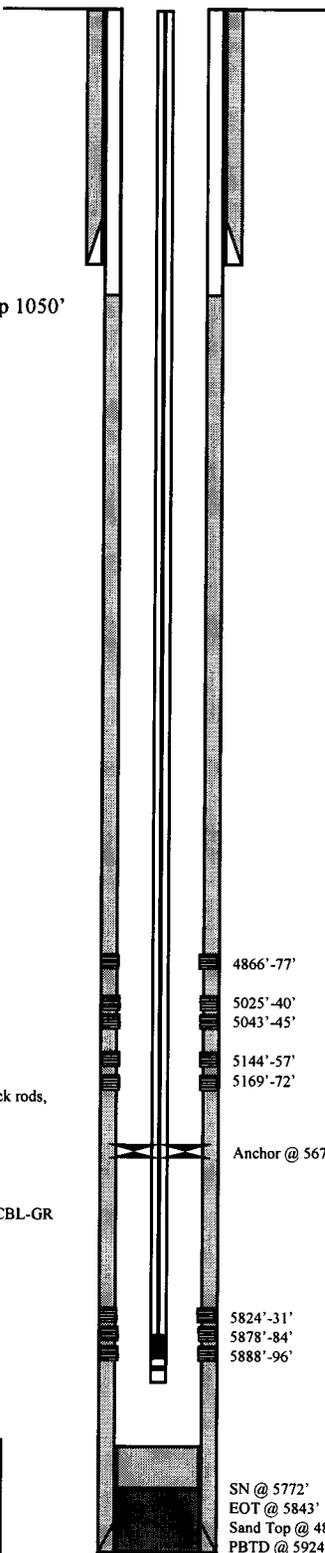
**FRAC JOB**

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7/22/97 5025'-5157' **Frac C/B sand as follows:**  
 122,700# of 20/40 sand in 6137 bbls of Boragel. Breakdown @ 2330 psi.  
 Treated @ avg rate of 25.5 bpm w/avg press of 2200 psi. ISIP-2723 psi, 5-min 2576 psi. Flowback on 12/64" ck for 4 - 1/2 hours and died.

7/24/97 4866'-4877' **Frac D sand as follows:**  
 82,300# of 20/40 sand in 416 bbls of Boragel. Breakdown @ 3339 psi.  
 Treated @ avg rate of 25.8 bpm w/avg press of 6420 psi. ISIP-4806 psi, 5-min 4549 psi. Flowback on 12/64" ck for 10 minutes and died.

Cement Top 1050'



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
7/19/97	5888'-5896'	4 JSPF	32 holes
7/19/97	5878'-5884'	4 JSPF	24 holes
7/19/97	5824'-5831'	4 JSPF	28 holes
7/22/97	5169'-5172'	4 JSPF	12 holes
7/22/97	5144'-5157'	4 JSPF	20 holes
7/22/97	5043'-5045'	4 JSPF	8 holes
7/22/97	5025'-5040'	4 JSPF	32 holes
7/24/97	4866'-4877'	4 JSPF	44 holes

SN @ 5772'  
 EOT @ 5843'  
 Sand Top @ 4866'  
 PBT D @ 5924'  
 TD @ 5980'

**Inland Resources Inc.**

**North Ashley #1-1**

533 FNL 516 FEL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31787; Lease #U-74826

# North Ashley #2-1

Spud Date: 7/22/97  
 Put on Production: 8/23/97  
 GL: 5878' KB: 5888'

Initial Production: 56 BOPD,  
 12 MCFPD, 36 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (299.7')  
 DEPTH LANDED: 309.45' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (5995.47')  
 DEPTH LANDED: 6005.79' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sk Hibond mixed & 325 sxs thixotropic  
 CEMENT TOP AT: NA per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 182 jts  
 TUBING ANCHOR: 5737'  
 SEATING NIPPLE: 5-1/2" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5872')  
 SN LANDED AT: 5803'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 92-3/4" scraped, 4 - 1-1/2" guided rods, 128-3/4" plain rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 - 1/2 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

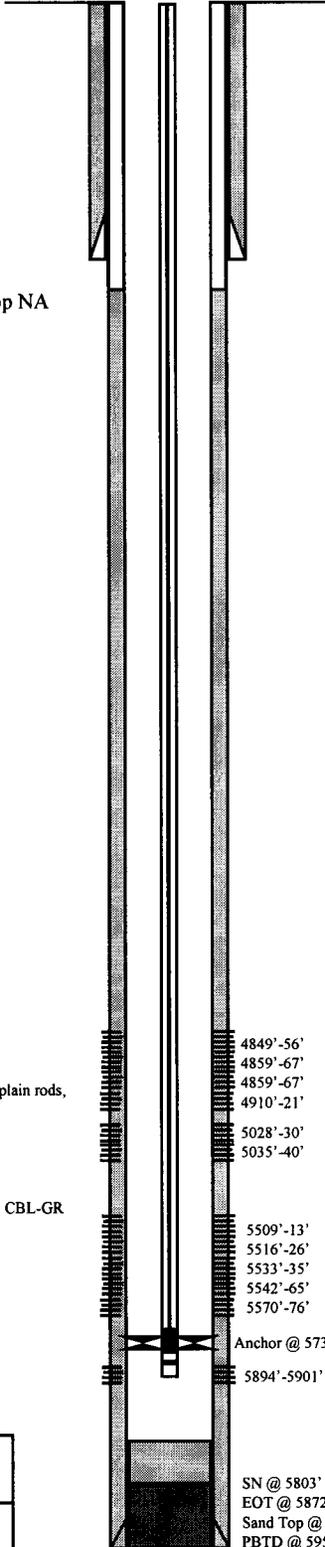
**FRAC JOB**

8/14/97 5894'-5901' **Frac CP sand as follows:**  
 96700# of 20/40 sand in 521 bbls of Boragel. Breakdown @ 3042 psi. Treated @ avg rate of 26.6 bpm w/avg press of 2150 psi. ISIP-2510 psi, 5-min 1975 psi. Flowback on 12/64" ck for 4 hours and died.

8/16/97 5509'-5576' **Frac A sands as follows:**  
 130,600# of 20/40 sand in 636 bbls of Boragel. Breakdown @ 3061 psi. Treated @ avg rate of 32.4 bpm w/avg press of 2100 psi. ISIP-2548 psi, 5-min 2442 psi. Flowback on 12/64" ck for 4 hours and died.

8/19/97 4849'-5040' **Frac DC sand as follows:**  
 154,800# of 20/40 sand in 688 bbls of Boragel. Breakdown @ 2220 psi. Treated @ avg rate of 33.3 bpm w/avg press of 1770 psi. ISIP-2723 psi, 5-min 2206 psi. Flowback on 12/64" ck for 3-1/2 hours and died.

Cement Top NA



**PERFORATION RECORD**

Date	Interval	Tool	Holes
8/14/97	5894'-5901'	4 JSPF	28 holes
8/16/97	5570'-5576'	4 JSPF	24 holes
8/16/97	5542'-5565'	4 JSPF	92 holes
8/16/97	5533'-5535'	4 JSPF	8 holes
8/16/97	5516'-5526'	4 JSPF	40 holes
8/16/97	5509'-5513'	4 JSPF	16 holes
8/19/97	5035'-5040'	4 JSPF	20 holes
8/19/97	5028'-5030'	4 JSPF	8 holes
8/19/97	4910'-4921'	4 JSPF	44 holes
8/19/97	4859'-4867'	4 JSPF	32 holes
8/19/97	4849'-4856'	4 JSPF	28 holes



**Inland Resources Inc.**

**North Ashley #2-1**

1980 FEL 661 FNL

NENE Section 2-T9S-R15E

Duchesne Co, Utah

API #43-013-31883; Lease #U-74826

# Ashley Federal #7-1

Spud Date: 7/7/97  
 Put on Production: 8/11/97  
 GL: 5896' KB: 5906'

Initial Production: 133 BOPD,  
 190 MCFPD, 33 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (292.11')  
 DEPTH LANDED: 291.01'(GL.)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5967.32')  
 DEPTH LANDED: 5979.83'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 340 sk HiBond mixed & 300 sxs thixotropic  
 CEMENT TOP AT: 1118' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/J-55/6.5#  
 NO. OF JOINTS: 188 jts.  
 TUBING ANCHOR: 5711'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5880'  
 SN LANDED AT: 5809'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod.  
 SUCKER RODS: 4-1" guided, 4-3/4" scapered, 130-3/4" plain rods, 94-3/4" scapered  
 TOTAL ROD STRING LENGTH: ?  
 PUMP NUMBER: ?  
 PUMP SIZE: 2-1/2 x 1-1/2 z 12 x 15 RHAC pump  
 STROKE LENGTH: 82"  
 PUMP SPEED, SPM: 9 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

**FRAC JOB**

7/30/97 5734'-5808' **Frac CP-0.5 & CP-2 sands as follows:**  
 180,700# of 20/40 sand in 478 bbls of Boragel. Perfs broke down @ 3242 psi. Treated @ avg press of 4800 psi w/avg rate of 28 bpm. ISIP-2268, 5-min 2050 psi. Flowback on 12/64" ck. for 3-1/2 hours and died.

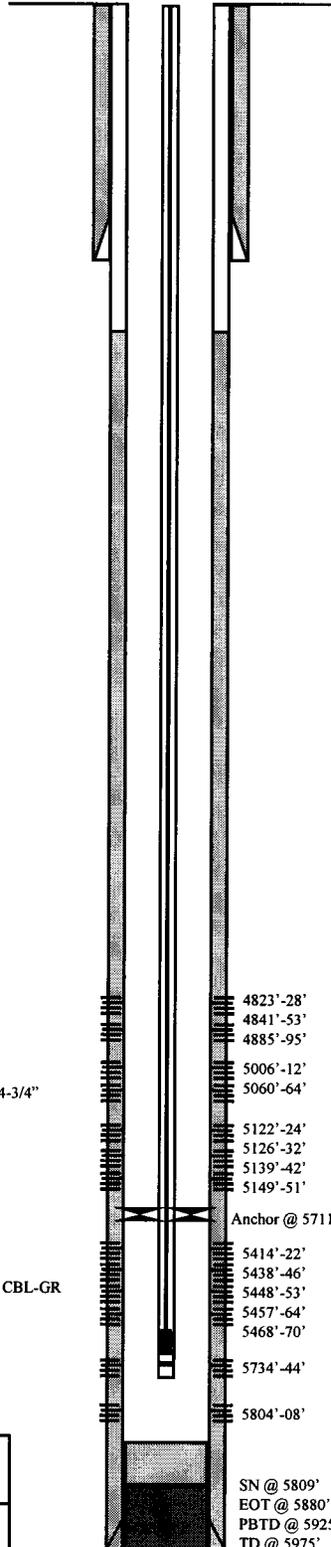
8/1/97 5414'-5470' **Frac LODC sands as follows:**  
 112,900# of 20/40 sand in 473 bbls of Boragel. Perfs brokedown @ 4336 psi. Treated @ avg press of 6850 psi w/avg rate of 27.3 bpm. 441 gal into flush, it appeared the pkr failed.

8/4/97 5006'-5151' **Frac C, B-1 & B-2 sands as follows:**  
 128,600# of 20/40 sand in 554 bbls of Boragel. Breakdown @ 4800 psi. Treated w/avg rate 31.5 bpm w/avg press of 660 psi. ISIP 2195 psi, 5-min 1993 psi. Shut flowback on 12/64" ck @ 1 bpm until dead.

8/6/97 4823'-4895' **Frac D-1 & D-2 sands as follows:**  
 95,500# of 20/40 sand in 422 bbls of Boragel. Brokedown @ 2740 psi. Treated @ avg rate 26 bpm w/avg press of 5800 psi. ISIP-2897 psi, 5-min 2856 psi. Flowback @ 1 bpm until dead.

**PERFORATION RECORD**

Date	Interval	Tool	Holes
7/28/97	5804'-5808'	4 JSPF	16 holes
7/28/97	5734'-5744'	4 JSPF	40 holes
7/31/97	5414'-5422'	4 JSPF	32 holes
7/31/97	5438'-5446'	4 JSPF	32 holes
7/31/97	5448'-5453'	4 JSPF	20 holes
7/31/97	5457'-5464'	4 JSPF	28 holes
7/31/97	5468'-5470'	4 JSPF	8 holes
8/2/97	5006'-5012'	4 JSPF	24 holes
8/2/97	5060'-5064'	4 JSPF	16 holes
8/2/97	5122'-5124'	4 JSPF	8 holes
8/2/97	5126'-5132'	4 JSPF	24 holes
8/2/97	5139'-5142'	4 JSPF	12 holes
8/2/97	5149'-5151'	4 JSPF	8 holes
8/5/97	4823'-4828'	4 JSPF	20 holes
8/5/97	4841'-4853'	4 JSPF	48 holes
8/5/97	4885'-4895'	4 JSPF	40 holes



SN @ 5809'  
 EOT @ 5880'  
 PBTD @ 5925'  
 TD @ 5975'



**Inland Resources Inc.**

**Ashley Federal #7-1**

1787 FNL 2092 FEL

SWNE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31823; Lease #U-74826

# N. Ashley Federal #8-1

Spud Date: 5/19/97  
 Put on Production: 7/16/97  
 GL: 5888' KB: ?

Initial Production: 163 BOPD,  
 246 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294.64')  
 DEPTH LANDED: 294.64' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts. (6227.54')  
 DEPTH LANDED: 6223' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sxs Hibond mixed & 370 sxs thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
 NO. OF JOINTS: 184 jts  
 TUBING ANCHOR: 5765'  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5622')  
 SN LANDED AT: 5831'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1" scraped; 5-7/8" plain, 124-3/4" plain, 99-3/4" scraped, 1-8", 1-2"x3/4" pony  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump  
 STROKE LENGTH: 66"  
 PUMP SPEED, SPM: 9.5 SPM  
 LOGS: DIFL/SP/GR/CAL (6223'-302')  
 CNL/CDL/GR/CAL (6190'-3000')

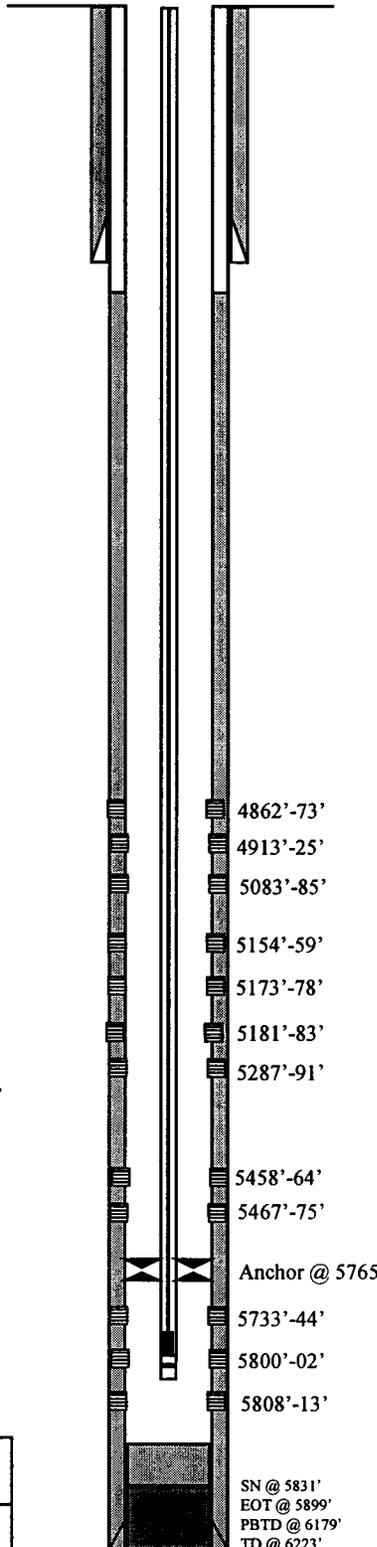
**FRAC JOB**

7-3-97 5733'-5813' **Frac CP sand as follows:**  
 109,700# of 20/40 sand in 548 bbls of Boragel. Breakdown @ 3009 psi.  
 Treated @ avg rate of 28.3 bpm w/avg press of 1650 psi. ISIP-2230 psi, 5-min 2025 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

7-8-97 5458'-5475' **Frac A sand as follows:**  
 122,700# of 20/40 sand in 598 bbls of Boragel. Breakdown @ 3326 psi.  
 Treated @ avg rate of 32.4 bpm w/avg press of 2360 psi. ISIP-2870 psi, 5-min 2510 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

7-10-97 5083'-5291' **Frac B/B/A sands as follows:**  
 129,300# of 20/40 sand in 666 bbls of Boragel. Breakdown @ 2494 psi.  
 Treated @ avg rate of 35 bpm w/avg press of 2100 psi. ISIP-2124 psi, 5-min 1995 psi. Flowback on 12/64" ck for 3 - 1/2 hours and died.

7-12-97 4862'-4925' **Frac D sand as follows:**  
 110,500# of 20/40 sand in 556 bbls of Boragel. Breakdown @ 2953 psi.  
 Treated @ avg rate of 34 BPM w/avg press of 2800 psi. ISIP-3581 psi, 5 min 3467 psi. Flowback on 12/64" ck for 3 hrs & died.



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
7/02/97	5733'-5744'	4 JSPF	44 holes
7/02/97	5800'-5802'	4 JSPF	8 holes
7/02/97	5808'-5813'	4 JSPF	20 holes
7/04/97	5458'-5464'	4 JSPF	24 holes
7/04/97	5467'-5475'	4 JSPF	32 holes
7/09/97	5287'-5291'	4 JSPF	16 holes
7/09/97	5181'-5183'	4 JSPF	8 holes
7/09/97	5173'-5178'	4 JSPF	20 holes
7/09/97	5154'-5159'	4 JSPF	20 holes
7/09/97	5083'-5085'	4 JSPF	8 holes
7/11/97	4913'-4925'	4 JSPF	48 holes
7/11/97	4862'-4873'	4 JSPF	44 holes

SN @ 5831'  
 EOT @ 5899'  
 PBTD @ 6179'  
 TD @ 6223'



**Inland Resources Inc.**

**N. Ashley Federal #8-1**

1980 FNL 660 FEL

SENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31809; Lease #U-74826

# Nine Mile #3-6

Spud Date: 10/16/97  
 Put on Production: 12/3/97  
 GL: 5841' KB: 5853'

Initial Production: 52 BOPD,  
 81 MCFPD, 12 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH:  
 DEPTH LANDED: 282.12'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est ? bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5931')  
 DEPTH LANDED: 5944'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sks Hibond mixed & 335 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 182 jts  
 TUBING ANCHOR: 5706'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5770'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 126-3/4" plain; 95-3/4" scraped; 1-8", 1-4", 1-4"x3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 5.5 SPM  
 LOGS: DIGL/SP/GR/CAL (5950'-300')  
 DSN/SDL/GR (5918'-3000')

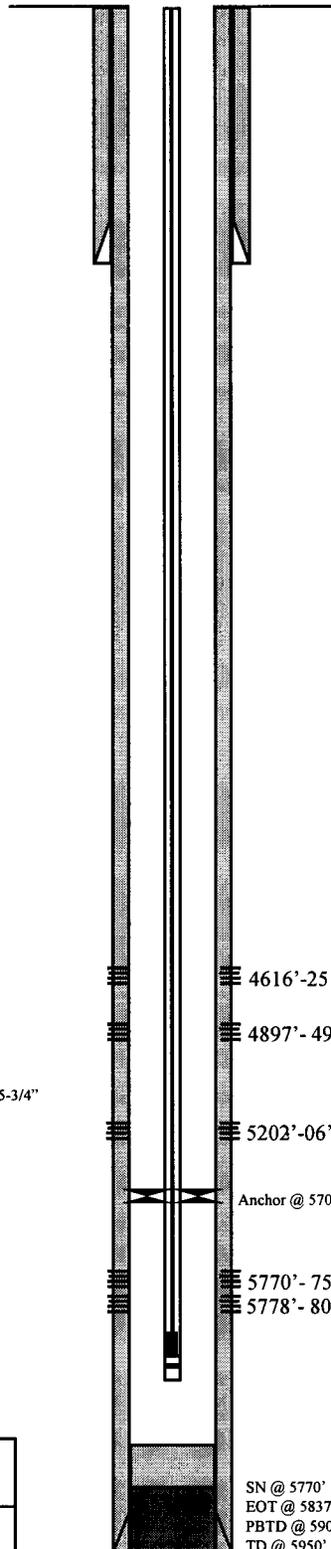
**FRAC JOB**

11/21/97 5770'-5780' **Frac CP sand as follows:**  
 95,300# of 20/40 sd in 504 bbls  
 Delta Frac. Treated @ avg rate 28 bpm,  
 avg press 2110 psi. Breakdown @ 3618  
 psi. ISIP-2612 psi, 5-min 2117 psi.  
 Flowback for 3 hrs & died.

11/23/97 5202'-5206' **Frac B sand as follows:** 95,300#  
 of 20/40 sd in 492 bbls Delta Frac.  
 Breakdown @ 3401 psi. Treated @ avg  
 rate of 26.4 BPM, avg press 2250 psi.  
 ISIP-2060 psi, 5-min 1866 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

11/26/97 4897'-4904' **Frac D sand as follows:**  
 95,300# 20/40 sand in 501 bbls Delta  
 Frac. Breakdown @ 2095 psi. Treated  
 w/avg press of 2090 psi w/avg rate of  
 25.9 BPM. ISIP - 2611 psi, 5 min 2496  
 psi. Flowback on 12/64" ck for 3-1/2 hrs  
 & died.

11/29/97 4616'-4625' **Frac PB sand as follows:**  
 95,300# 20/40 sand in 479 bbls of Delta  
 Frac. Breakdown @ 2316 psi. Treated  
 @ avg press of 2210 psi w/avg rate of  
 26BPM. ISIP-2762 psi, 5 min 2551  
 psi. Flowback on 12/64" ck for 2 hrs &  
 died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
11/19/97	5770'-5775'	4 JSPF	20 holes
11/19/97	5778'-5780'	4 JSPF	8 holes
11/22/97	5202'-5206'	4 JSPF	16 holes
11/25/97	4897'-4904'	4 JSPF	28 holes
11/27/97	4616'-4625'	4 JSPF	36 holes

SN @ 5770'  
 EOT @ 5837'  
 PBTD @ 5904'  
 TD @ 5950'



**Inland Resources Inc.**

**Nine Mile #3-6**

663 FNL 1728 FWL

NENW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31816; Lease #UTU-74390

# Nine Mile #4-6-9-16

Spud Date: 12/18/97  
 Put on Production: 1/30/98  
 GL: 5864' KB: 5876'

Initial Production: 50 BOPD,  
 87 MCFPD, 56 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 293'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5965')  
 DEPTH LANDED: 5977'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sks Hibond mixed & 395 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 186 jts  
 TUBING ANCHOR: 5791'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5855'

**SUCKER RODS**

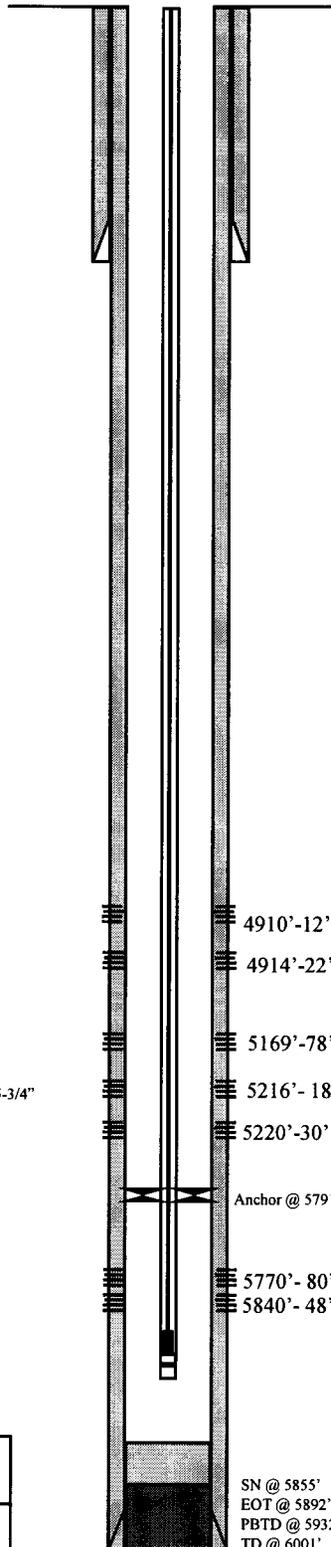
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 130-3/4" plain; 95-3/4" scraped; 1-8", 1-6" x 3/4" pony rod  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: DIGL/GR/CAL (6006"-306")  
 DSN/SDL/GR (5978"-3000')

**FRAC JOB**

1-17-98 5770'-5848' **Frac CP sand as follows:**  
 120,300# of 20/40 sd in 564 bbls Delta Frac. Treated @ avg rate 28 bpm, avg press 3300 psi. Breakdown @ 3137 psi. ISIP-3884 psi, 5-min 2285 psi. Flowback for 4 hrs & died.

1-20-98 5169'-5230' **Frac B sand as follows:** 130,200# of 20/40 sd in 609 bbls Delta Frac. Breakdown @ 2480 psi. Treated @ avg rate of 28.4 BPM, avg press 1650 psi. ISIP-2056 psi, 5-min 1750 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.

1-22-98 4910'-4922' **Frac D sand as follows:**  
 120,300# 20/40 sand in 568 bbls Delta Frac. Breakdown @ 3940 psi. Treated w/avg press of 2400 psi w/avg rate of 26.5 BPM. ISIP - 3065 psi, 5 min 2753 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
1-17-98	5770'-5780'	4 JSPF	40 holes
1-17-98	5840'-5848'	4 JSPF	32 holes
1-20-98	5169'-5178'	4 JSPF	36 holes
1-20-98	5216'-5218'	4 JSPF	8 holes
1-20-98	5220'-5230'	4 JSPF	40 holes
1-22-98	4910'-4912'	4 JSPF	8 holes
1-22-98	4914'-4922'	4 JSPF	32 holes

SN @ 5855'  
 EOT @ 5892'  
 PBTD @ 5932'  
 TD @ 6001'



**Inland Resources Inc.**

**Nine Mile #4-6-9-16**

660 FNL 583 FWL

NWNW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31952; Lease #UTU-74390

# Nine Mile #5-6

Spud Date: 12/7/97  
 Put on Production: 1/7/98  
 GL: 5882' KB: 5894'

Initial Production: 263 BOPD,  
 196 MCFPD, 9 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 291'  
 DEPTH LANDED: 292'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sks Premium cmt, est 8 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5925')  
 DEPTH LANDED: 5937'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sks Hibond mixed & 375 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 182 jts  
 TUBING ANCHOR: 5690'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5755'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1 1/2" wt rods, 4-3/4" scraped; 126-3/4" plain, 96-3/4" scraped;  
 PUMP SIZE: 2-1/2" x 1-1/2" x 17' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8.5 SPM  
 LOGS: DIGL/SP/GR/CAL (5946'-304')  
 DSN/SDL/GR (5920'-3000')

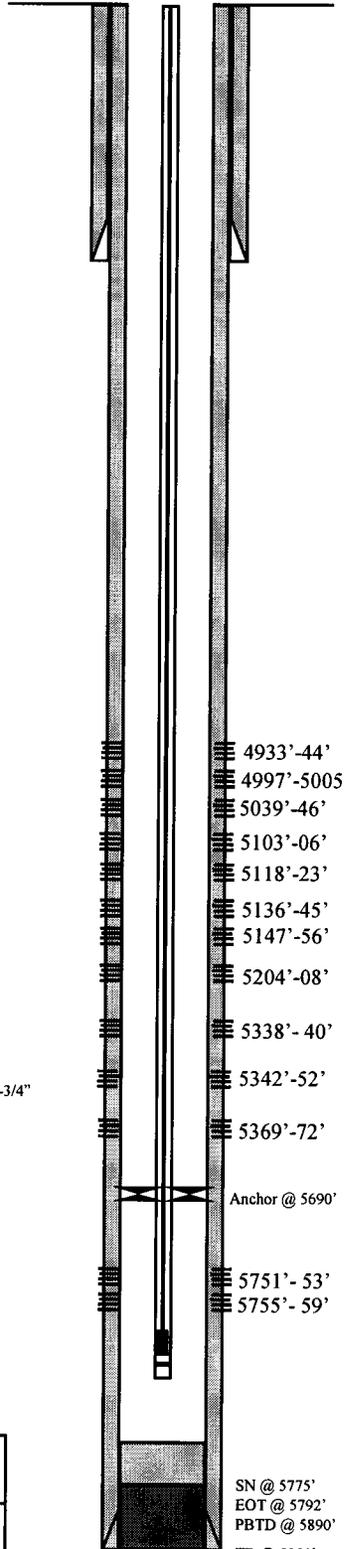
**FRAC JOB**

1/6/98 5751'-5759' **Frac CP sand as follows:**  
 95,300# of 20/40 sd in 509 bbls  
 Delta Frac. Treated @ avg rate 28.3 bpm,  
 avg press 2000 psi. Breakdown @ 3129  
 psi. ISIP-2268 psi, 5-min 1884 psi.  
 Flowback for 4 hrs & died.

1/9/98 5338'-5372' **Frac A sand as follows:** 105,400#  
 of 20/40 sd in 538 bbls Delta Frac.  
 Breakdown @ 2051 psi. Treated @ avg  
 rate of 35.2 BPM, avg press 2051 psi.  
 ISIP-2822 psi, 5-min 2577 psi. Flowback  
 on 12/64" ck for 2-1/2 hrs & died.

1/11/98 5103'-5208' **Frac B sand as follows:**  
 124,300# 20/40 sand in 580 bbls Delta  
 Frac. Breakdown @ 1712 psi. Treated  
 w/avg press of 1600 psi w/avg rate of  
 32.5 BPM. ISIP - 3165 psi, 5 min 2712  
 psi. Flowback on 12/64" ck for 3 hrs  
 & died.

1/14/98 4933'-5046' **Frac D/C sand as follows:**  
 131,300# 20/40 sand in 597 bbls of Delta  
 Frac. Breakdown @ 1358 psi. Treated  
 @ avg press of 1900 psi w/avg rate of  
 35.3 BPM. ISIP-2893 psi, 5 min 2551  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.



**PERFORATION RECORD**

1/4/98	5751'-5753'	4 JSPF	8 holes
1/4/98	5755'-5759'	4 JSPF	16 holes
1/8/98	5338'-5340'	4 JSPF	8 holes
1/8/98	5342'-5352'	4 JSPF	40 holes
1/8/98	5369'-5372'	4 JSPF	12 holes
1/10/98	5103'-5106'	4 JSPF	12 holes
1/10/98	5118'-5123'	4 JSPF	20 holes
1/10/98	5136'-5145'	4 JSPF	36 holes
1/10/98	5147'-5156'	4 JSPF	36 holes
1/10/98	5204'-5208'	4 JSPF	16 holes
1/13/98	4933'-4944'	4 JSPF	44 holes
1/13/98	4997'-5005'	4 JSPF	32 holes
1/13/98	5039'-5046'	4 JSPF	28 holes

SN @ 5775'  
 EOT @ 5792'  
 PBDT @ 5890'  
 TD @ 5950'



**Inland Resources Inc.**

**Nine Mile #5-6**

1923 FNL 695 FWL

SWNW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31953; Lease #U-74390

Attachment F

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5088  
Fax (801) 722-5727

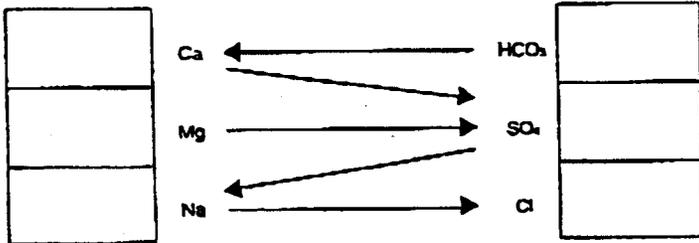
## WATER ANALYSIS REPORT

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

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u>	+ 61 <u>5</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	+ 35.5 <u>1</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u>	+ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>44</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)		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			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	Σ	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>2</u>		<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>2</u>		<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	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 84066

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

Attachment F-1

## WATER ANALYSIS REPORT

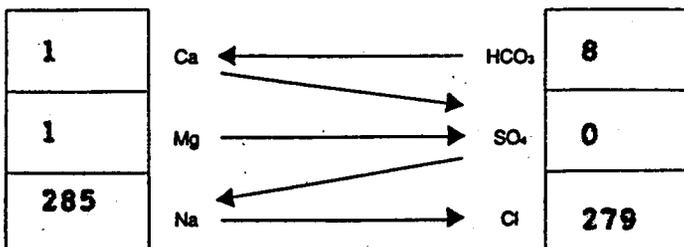
Company Inland Address \_\_\_\_\_ Date 3-6-98

Source Ashley Fed. 1-1 Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.6</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.014</u>		
4. Dissolved Solids		<u>16,985</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>500</u>	÷ 61 <u>8</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>9,900</u>	÷ 35.5 <u>279</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>20</u>	÷ 20 <u>1</u> Ca
11. Magnesium (Mg)		MG <u>10</u>	÷ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>90</u>	
13. Total Iron (Fe)		<u>4.4</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>1</u>		<u>81</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>1</u>		<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00		<u>6</u>		<u>504</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46		<u>279</u>		<u>16,310</u>

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

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

03-06-98

WATER DESCRIPTION:	JOHNSON WATER	NAF 1-1
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	820
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	9900
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	50
MAGNESIUM AS PPM CaCO3	90	41
SODIUM AS PPM Na	92	6555
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	16985
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.6

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND NAF 1-1

CONDITIONS: TEMP.=150AND pH=7.8

WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.13	34	0	0	0
90	1.07	32	0	0	0
80	1.01	30	0	0	0
70	.95	28	0	0	0
60	.89	25	0	0	0
50	.82	23	0	0	0
40	.75	20	0	0	0
30	.68	18	0	0	0
20	.63	16	0	0	0
10	.56	13	0	0	0
0	.50	11	0	0	0

**Attachment G**

**Ashley Federal #1-1  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5824	5896	5860	2685	0.89	2649 ←
5025	5172	5099	2723	0.97	2688
4866	4877	4872	4806	1.42	4792
<b>Minimum</b>					<u>2649</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 North Ashley 1-1 Report Date 7/19/97 Completion Day 4
Present Operation Log tagged sd Rig Basin #2

WELL STATUS

Surf Csg: 8-5/8 @ 312' KB Liner @ Prod Csg 5-1/2 @ 5976 Csg PBDT 5924
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ BP/Sand PBDT:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: CP, 5824-31', 4/28, 5878-84', 4/24, 5888-96, 4/32

CHRONOLOGICAL OPERATIONS

Date Work Performed: 7/18/97 SITP: 100 SICP 200

Bleed gas off well. IFL @ 4900'. Made 17 swab runs rec 43 BTF (est 35 BO, 8 BW). Oil cut @ 80%. Strong gas w/runs. FFL @ 5900'. Final swab rate 2 BPH. TOH w/tbg. NU isolation tool. RU Halliburton to frac CP sands w/95,900# R.A. tagged 20/40 sd in 531 bbls Boragel. Perfs broke back @ 1630 psi. Treated @ ave press of 2630 psi w/ave rate of 30.5 BPM. ISIP 2685 psi, 5 min - 2260 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 129 BTF (est 24% of load). SIFN w/est 387 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered 7 over Starting oil rec to date 20
Fluid lost/recovered today 394 Oil lost/recovered today 35
Ending fluid to be recovered 387 Cum oil recovered 35
IFL 4900' FFL 5900' FTP Choke 12/64 Final Fluid Rate 2 BPH Final oil cu 80%

STIMULATION DETAIL

COSTS

Base Fluid used: Boragel Job Type: Sand Frac
Company: Halliburton
Procedure:
4000 gal of pad
1000 gal of 1-6 ppg of 20/40 sd
6000 gal of 6-8 ppg of 20/40 sd
3000 gal of 8-10 ppg of 20/40 sd
2562 gal of 10 ppg of 20/40 sd
Flush w/5737 gal of 10# linear gel
Sand tagged w/Protechnics R.H. isotope @ .425/1000 gal.
Max TP 3150 Max Rate 31.2 Total fluid pmpd: 531 bbls
Avg TP 2630 Avg Rate 30.5 Total Prop pmpd: 95,900#
ISIP 2685 5 min 2260 10 min 15 min
Completion Supervisor: Gary Dietz

Basin-rig 1,342
BOP 140
Tanks 45
Water 750
HO trk 715
Frac 20,024
Flowback - super 150
IPC Supervision 200
DAILY COST: \$23,366
TOTAL WELL COST: \$203,327



**DAILY COMPLETION REPORT**

**WELL NAME** North Ashley 1-1 **Report Date** 7/23/97 **Completion Day** 7  
**Present Operation** Perf D sand **Rig** Basin #2

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 312' **Liner**          **Prod Csg** 5-1/2 @ 5976 **Csg PBD** 5924  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT @**          **BP/Sand PBD:** 5240

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	5824-31'	4/28	C	5043-45'	4/8
CP	5878-84'	4/24	B	5144-47', 55-57'	4/20
CP	5888-96'	4/32	B	5169-72'	4/12
C	5025-29', 36-40'	4/32			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 7/22/97 **SITP:** 0 **SICP** 450

Bleed gas off csg. IFL @ 4900'. Made 3 swab runs rec 10 BTF. FFL @ 5100'. TOH w/tbg. NU isolation tool. RU Halliburton to frac C/B sands w/122,700# 20/40 sd in 613 bbls Boragel. Perfs broke dn @ 2330 psi. Treated @ ave press of 2200 psi w/ave rate of 35.5 bpm. ISIP - 2723 psi, 5 min - 2576 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 122 BTF (est 20% of load). SIFN w/est 758 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b> <u>277</u>	<b>Starting oil rec to date</b> <u>55</u>
<b>Fluid lost/recovered today</b> <u>481</u>	<b>Oil lost/recovered today</b> <u>0</u>
<b>Ending fluid to be recovered</b> <u>758</u>	<b>Cum oil recovered</b> <u>55</u>
<b>IFL</b> <u>4900'</u> <b>FFL</b> <u>5100'</u> <b>FTP</b> <u>        </u>	<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> <u>        </u> <b>Final oil cu</b> <u>tr</u>

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** Boragel **Job Type:** Sand frac  
**Company:** Halliburton  
**Procedure:**           
4000 gal of pad  
2000 gal of 1-6 ppg of 20/40 sd  
10,000 gal of 6-8 ppg of 20/40 sd  
4770 gal of 8-10 ppg of 20/40 sd  
Flush w/4958 gal of 10# linear gel.

Basin rig	753
BOP	140
Tanks	45
Water	962
HO trk	889
Frac	23,459
Flowback - super	150
IPC Supervision	200

**Max TP** 3120 **Max Rate** 38 **Total fluid pmpd:** 613 bbls  
**Avg TP** 2200 **Avg Rate** 35.5 **Total Prop pmpd:** 122,700 #  
**ISIP** 2723 **5 min** 2576 **10 min**          **15 min**           
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$26,598  
**TOTAL WELL COST:** \$235,927



DAILY COMPLETION REPORT

WELL NAME North Ashley 1-1 Report Date 7/25/97 Completion Day 9
Present Operation Hunt hole in csg Rig Basin #2

WELL STATUS

Surf Csg: 8-5/8 @ 312' Liner @ Prod Csg 5-1/2 @ 5976 Csg PBTD 5924
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 (Pkr/EO) @ 1523 (BP) Sand PBTD: 4956

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include CP, B, and D zones with various perforation intervals and rates.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 7/24/97 SITP: 0 SICP 0

IFL @ 4300'. Made 5 swab runs rec 10 BTF. FFL @ 4800'. TOH w/tbg. NU isolation tool. RU Halliburton to frac D sand w/100,500# 20/40 sd in 491 bbls Boragel. Perfs broke dn @ 2543 psi. Treated @ ave press of 2600 psi w/ave rate of 28.5 bpm, w/4136 gal flushed (644 left) the sfc csg burst @ sfc (just under 5-1/2" slips). The hole unloaded heavy sand laden fluids for 15 min & turned to flush wtr. Flowed for 2 hrs then slowed to a small amt. Est flowback of 120 BTF (25% of load). ND isolation tool - stuck. Work loose & pulled 80,000# to retrieve from wellbore. Can see 1-1/2" split in 5-1/2" csg 2' from top. TIH w/NC & tbg. Hit sd bridge @ 20'. CO to 345' - fell out. TIH & circ out sd to 1896'. Add pkr to string & set @ 25'. Pump dn tbg - immediate returns out hole in 8-5/8". Pull out hole w/pkr & LD. (Lost 1 drag block f/pkr). TOH w/NC & tbg. PU RTTS pkr & TIH to 1523'. (Hard time getting pkr through split area of 5-1/2" csg.) Set pkr. Pump dn tbg. Pressure up to 1000 psi - mostly holds w/no returns f/8-5/8". SIFN w/est 1027 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered 666 Starting oil rec to date 55
Fluid (lost) recovered today 361 Oil lost/recovered today 0
Ending fluid to be recovered 1027 Cum oil recovered 55
IFL 4300' FFL 4800' FTP Choke Final Fluid Rate Final oil cut

STIMULATION DETAIL

COSTS

Base Fluid used: Boragel Job Type: Sand frac
Company: Halliburton
Procedure:
3000 gal of pad
1000 gal of 1-6 ppg of 20/40 sd
10000 gal of 6-8 ppg of 20/40 sd
2499 gal of 8-10 ppg of 20/40 sd
Flushed w/4136 gal of 10# linear gel (644 short)

Basin rig 1,919
BOP 140
Tanks 45
Water 1,120
HO trk 713
Frac 21,069
Halco (Tools, hand) 2,200
Halco (cmt equip) 2,000
IPC Supervision 400

Max TP 3635 Max Rate 28.9 Total fluid pmpd: 491 bbls
Avg TP 2600 Avg Rate 28.5 Total Prop pmpd: 100,500#
ISIP 5 min 10 min 15 min
Completion Supervisor: Gary Dietz

DAILY COST: \$29,606
TOTAL WELL COST: \$269,693



### DAILY COMPLETION REPORT

**WELL NAME** North Ashley 1-1 **Report Date** 7/31/97 **Completion Day** 15  
**Present Operation** Pull plugs **Rig** Basin #2

#### WELL STATUS

**Surf Csg:** 8-5/8 @ 312' **Liner**          **@**          **Prod Csg** 5-1/2 @ 5976 **Csg PBD** 5924  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** N-80 **PKR/EOB** @ 3344 **BP/Sand** **PBTD:** 4956/4920

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	5824-31'	4/28	C	5043-45'	4/8
CP	5878-84'	4/24	B	5144-47', 55-57'	4/20
CP	5888-96'	4/32	B	5169-72'	4/12
C	5025-29', 36-40'	4/32	D	4866-77'	4/44

#### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 7/30/97 **SITP:** 200 **SICP:** 200

Bleed gas off well. IFL @ 1700'. Made 3 swab runs rec 30 BTF (est 15 BW, 15 BO) w/good gas. FFL @ 1500'. TOH w/tbg. PU & TIH w/5-1/2" RTTS pkr & 107 jts 2-7/8" 6.5# N-80 tbg. Set pkr @ 3344'. Fill csg w/24 BW. Press test pkr to 1000 psi & hold during frac job. RU Halliburton to tbg to re-frac D sand w/82,300# 20/40 sd in 416 bbls Boragel. Perfs broke back @ 3339 psi. Treated @ ave press of 6420 psi w/ave rate of 25.8 bpm. ISIP - 4806 psi, 5 min - 4549 psi. Flowback on 12/64 choke for 10 min & died. Watch for 1 hr & rec 7 bbls total fluid. SIFN w/est 1361 BWTR.

#### FLUID RECOVERY (BBLs)

<b>Starting fluid load to be recovered</b> <u>943</u>	<b>Starting oil rec to date</b> <u>55</u>
<b>Fluid lost/recovered today</b> <u>418</u>	<b>Oil lost/recovered today</b> <u>15</u>
<b>Ending fluid to be recovered</b> <u>1361</u>	<b>Cum oil recovered</b> <u>70</u>
<b>IFL</b> <u>1700'</u> <b>FFL</b> <u>1500'</u> <b>FTP</b> <u>        </u>	<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> <u>        </u> <b>Final oil cu</b> <u>50%</u>

#### STIMULATION DETAIL

**Base Fluid used:** Boragel **Job Type:** Sand frac  
**Company:** Halliburton  
**Procedure:** Down 2-7/8" tbg.  
4000 gal of pad  
1000 gal of 1-6 ppg of 20/40 sd  
6000 gal of 6-8 ppg of 20/40 sd  
4201 gal of 8-10 ppg of 20/40 sd  
Flush w/2262 gal of 10# linear gel.

#### COSTS

<b>Basin rig</b>	<u>1,303</u>
<b>BOP</b>	<u>140</u>
<b>Tanks</b>	<u>45</u>
<b>Wtr</b>	<u>400</u>
<b>HO trk</b>	<u>760</u>
<b>Pkr &amp; hand</b>	<u>1,130</u>
<b>Frac</b>	<u>19,641</u>
<b>trucking (tbg)</b>	<u>300</u>
<b>Flowback - super</b>	<u>100</u>
<b>IPC Supervision</b>	<u>200</u>

**Max TP** 6980 **Max Rate** 26.4 **Total fluid pmpd:** 416 bbls  
**Avg TP** 6420 **Avg Rate** 25.8 **Total Prop pmpd:** 82,300#  
**ISIP** 4806 **5 min** 4549 **10 min**          **15 min**         

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$24,019  
**TOTAL WELL COST:** \$334,003

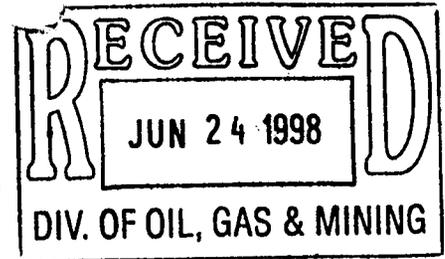
## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 222' plug from 5724'-5946' with 30 sxs Class "G" cement.
2. Plug #2 Set 456' plug from 4766'-5222' with 75 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 253'-353' (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 303' to surface.

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

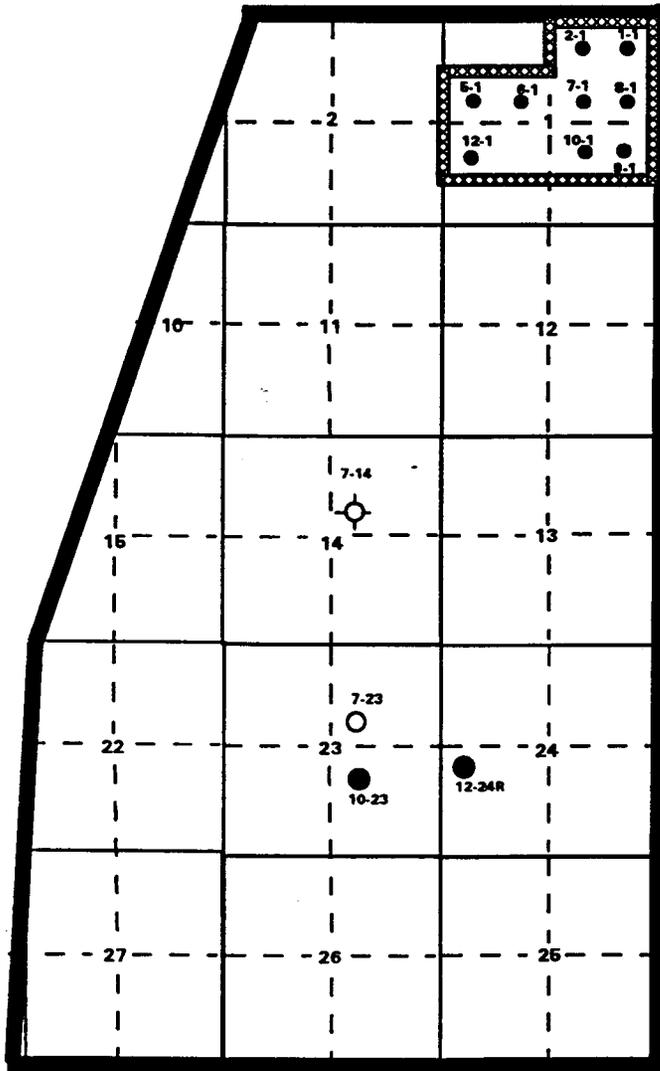




# ASHLEY UNIT

## Duchesne County, Utah

EFFECTIVE: DECEMBER 22, 1994



9S

15E

- UNIT OUTLINE (UTU73520X)
- ..... GREEN RIVER PA "A"

8,277.43 ACRES

GRRV PA "A"  
ALLOCATION  
FEDERAL 100%  
400.12 Acres

MONTHLY OIL AND GAS PRODUCTION REPORT

**\*ASHLEY UNIT EFF 12-22-94; ENTITY CHANGES TO 12419 EFF 6/98; UPDATED 7-15-98.**

Operator name and address

INLAND PRODUCTION COMPANY  
P.O. BOX 1446  
ROOSEVELT UT 84066

Utah Account No: N5160

Report Period (Month/Year) 04/98

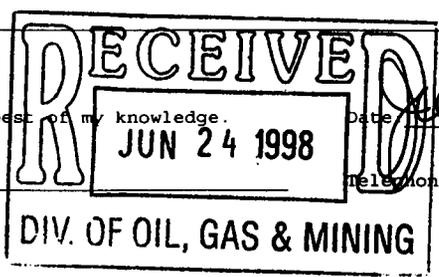
Amended Report | | (Highlight Changes)

Well Name	Producing	Well	Days	Production Volume				
API Number	Entity	Location	Zone	Status	Oper	OIL (BBL)	GAS (MSCF)	WATER (BBL)
8-1 ASHLEY FEDERAL								
4301331809	12128	1 9S 15E	GRRV	POW	29	568	2273	0
9-1 ASHLEY FEDERAL								
4301331859	12129	1 9S 15E	GRRV	POW	27	69	811	199
1-1 NORTH ASHLEY FEDERAL								
4301331883	12167	1 9S 15E	GRRV	POW	30	688	2131	901
1-29 TAR SANDS FEDERAL								
4301331743	12168	29 8S 17E	GRRV	POW	30	614	1550	0
10-1 ASHLEY FEDERAL								
4301331825	12169	1 9S 1 5E	GRRV	POW	30	846	3574	0
5-28I TAR SANDS FEDERAL								
4301331697	12171	28 8S 17E	GRRV	POW	30	688	5075	0
13-28 TAR SANDS FEDERAL								
4301331771	12176	28 8S 17E	GRRV	POW	30	577	6194	0
1-1 NORTH ASHLEY FEDERAL *								
4301331787	12185	1 9S 15E	GRRV	POW	30	369	557	0
26-13 BOLLWEEVIL								
4301330770	12187	26 8S 16E	GRRV	SOW	0	0	0	0
16-23 MONUMENT BUTTE FEDERAL								
4301331474	12187	23 8S 16E	GRRV	POW	29	812	4957	112
13-26 MONUMENT BUTTE FEDERAL								
4301331512	12187	26 8S 16E	GRRV	<del>POW</del> *	0	0	0	0
4-25 MONUMENT BUTTE FEDERAL								
4301331639	12187	25 8S 16E	GRRV	POW	30	160	2062	107
10-26 MONUMENT BUTTE FEDERAL								
4301331668	12187	26 8S 16E	GRRV	POW	29	487	5511	0
TOTAL						5878	34695	1319

Comments: \* Converted to injection

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

Name & Signature: *Abbie S. Jones*



Date: *June 16, 1998*

Telephone: (435)-722-5103

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-74826**

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

7. If Unit or CA, Agreement Designation  
**ASHLEY (GR RVR)**

8. Well Name and No.  
**NORTH ASHLEY 1-1**

9. API Well No.  
**43-013-31787**

10. Field and Pool, or Exploratory Area  
**UNDESIGNATED**

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)  
**0533 FNL 0516 FEL                      NE/NE Section 1, T09S R15E**

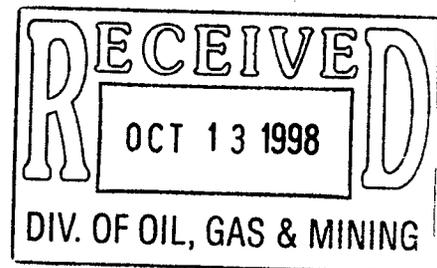
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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>Site Security</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.)\*

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



14. I hereby certify that the foregoing is true and correct  
Signed Lebbie E. Knight Title Manager, Regulatory Compliance Date 10/7/98

(This space for Federal or State office use)

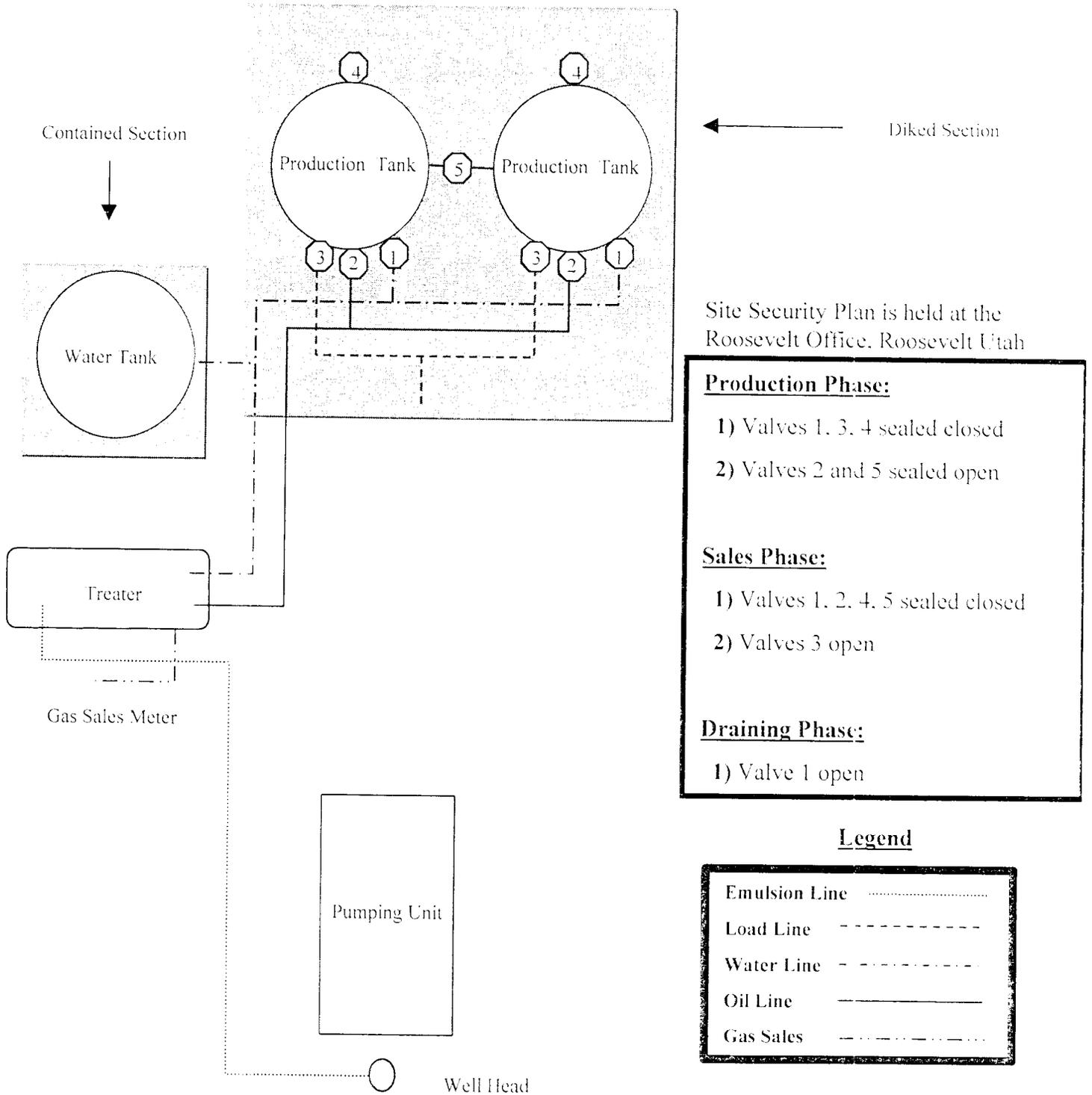
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

North Ashley 1-1  
NE/NE Sec. 1, T9S, 15E  
Duchesne County  
May 12, 1998



DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Ashley Federal #1-1

**Location:** 1/9S/15E

**API:** 43-013-31787

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the proposed Ashley Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah, School and Institutional Trust Lands Administration (SITLA). 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 Ashley 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 312 feet and is cemented to surface. A 5 ½ inch production casing is set at 5976 feet and has a cement top at approximately 1050 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4816 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells and 1 P&A well 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 400 feet. Injection shall be limited to the interval between 4866 feet and 5896 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #1-1 well is .89 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2649 psig. The requested maximum pressure is 2649 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.

**Ashley Federal #1-1**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining will hear Cause #242-1 on the Ashley Unit proposal on July 29, 1998. Correlative rights issues will be 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: 6/15/98

INJECTION WELL - PRESSURE TEST

Well Name: N. Ashley Fed 1-1-9-15 API Number: 43-013-31787  
 Qtr/Qtr: NE/NE Section: 1 Township: 7S Range: 15E  
 Company Name: 1st/2nd Production Co.  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal  Indian \_\_\_\_\_  
 Inspector: David W. Keefe Date: 12/14/99

Initial Conditions:

Tubing - Rate: 0 Pressure: 510 psi  
 Casing/Tubing Annulus - Pressure: 1020 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1020</u>	<u>510</u>
5		
10		
15		
20		
25		
30	<u>1020</u>	<u>510</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 510 psi  
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: First test after conversion from POW.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Ray Liddell  
 Operator Representative



December 16, 1999

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

Dear Dan:

Please find enclosed a Mechanical Integrity Test for the Ashley Federal #1-1-9-15. This well has been converted to water injection and Dave Hackford with your office witnessed this test on December 14, 1999. Inland Production Company is requesting permission to commence injection.

As always, thanks for your assistance. If you have any questions or need further information, please don't hesitate to call me at our office in Pleasant Valley or on my cellular at (435) 823-7975.

Sincerely,

Jody Liddell  
Production Foreman

Enclosures

cc: George Rooney – Inland Production Company  
Roosevelt & Denver Well Files

/jl

RECEIVED

DEC 17 1999

DIVISION OF OIL, GAS & MINING

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

		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>	
1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  N/A	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>ASHLEY (GR RVR)</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>NORTH ASHLEY 1-1</b>	
3. ADDRESS OF OPERATOR <b>Route #3 Box 3630, Myton Ut. 84052 (435)-646-3721</b>		9. WELL NO. <b>H1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/NE 0533 FNL 0516 FEL</b>		10. FIELD AND POOL, OR WILDCAT  <b>UNDESIGNATED</b>	
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/NE Section 1, T09S R15E</b>	
14. API NUMBER <b>43-013-31787</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5851 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

The subject well was converted from a production well to an injector 12-14-99. On 12-13-99 David Hackford with the state of Utah was notified to perform and MIT. On 12-14-99 the casing was pressured to 1020 psi and maintained for 1 hr w/ no pressure loss. The test was witnessed by Mr. David Hackford of the DOGM. Inland Production Co. requests permission to inject.

18 I hereby certify that the foregoing is true and correct  
SIGNED Jody Liddell TITLE Production Foreman DATE 12/14/99  
Jody Liddell

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

DEC 17 1999

DIVISION OF OIL, GAS & MINING



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
485-646-3721

Witness: David W. Newsham (DOG M) Date 12/14/1999 Time 12:15 am (pm)

Test Conducted by: Roy Liddell

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

Well: N. Ashley Fed 1-1-9-15	Field: Ashley Unit
Well Location: NE/NE Sec. 1, T9S, R15E	API No: 43-013-31787

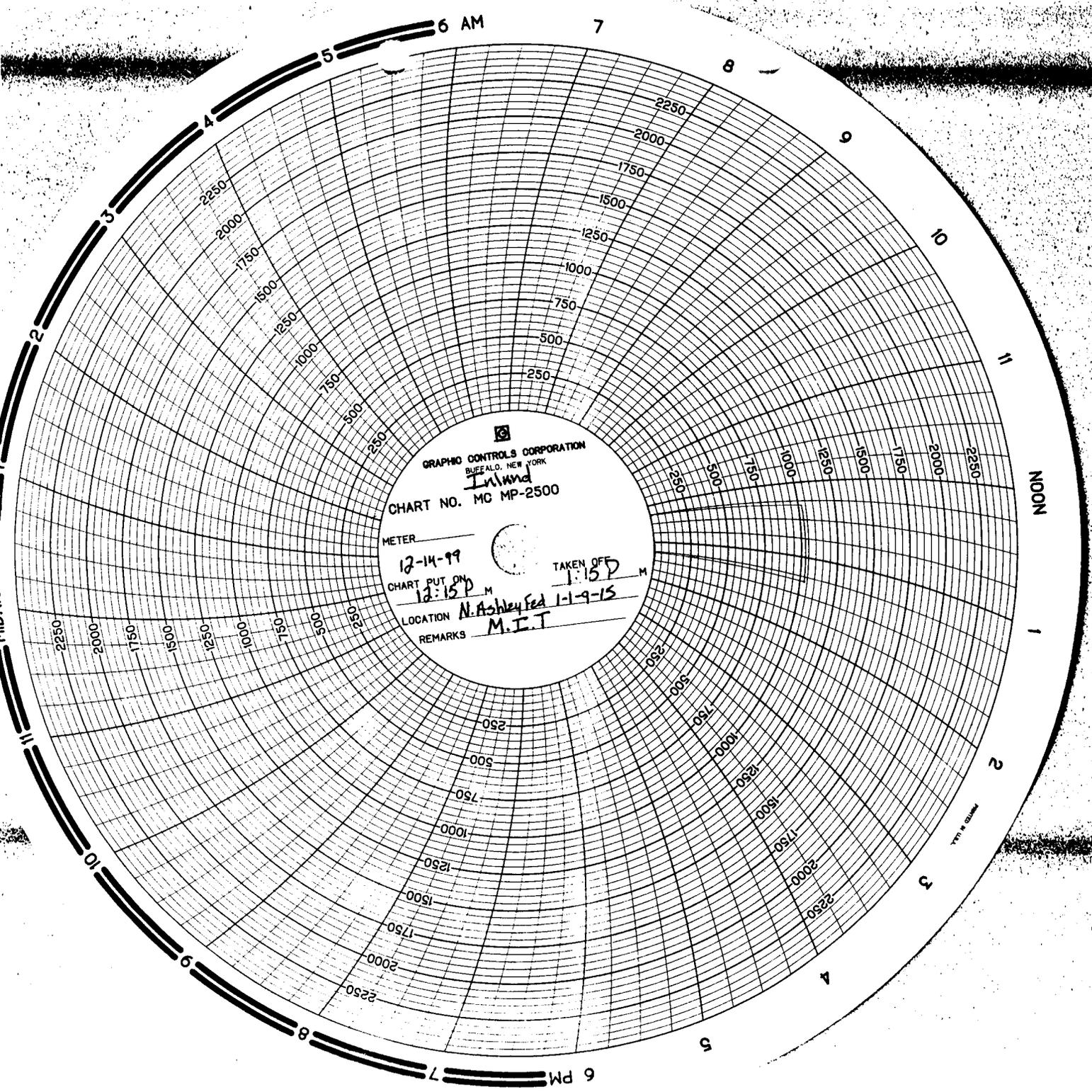
Time	Casing Pressure	
0 min	<u>1020</u>	psig
5	<u>1020</u>	psig
10	<u>1020</u>	psig
15	<u>1020</u>	psig
20	<u>1020</u>	psig
25	<u>1020</u>	psig
30 min	<u>1020</u>	psig
35	<u>1020</u>	psig
40	<u>1020</u>	psig
45	<u>1020</u>	psig
50	<u>1020</u>	psig
55	<u>1020</u>	psig
60 min	_____	psig

Tubing pressure: 510 psig

Result: Pass Fail

Signature of Witness: David W. Newsham (DOG M)

Signature of Person Conducting Test: Roy Liddell



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK  
*Inland*  
CHART NO. MC MP-2500

METER \_\_\_\_\_  
12-14-99  
CHART PUT ON 12:15 P M  
TAKEN OFF 1:15 P M  
LOCATION N. Ashley Fed 1-1-9-15  
REMARKS M.I.T

TYPE & NUMBER

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>ASHLEY (GR RVR)</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>NORTH ASHLEY 1-1</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>NORTH ASHLEY 1-1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/NE 0533 FNL 0516 FEL</b>		10. FIELD AND POOL, OR WILDCAT  <b>UNDESIGNATED</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/NE Section 1, T09S R15E</b>	
14. API NUMBER <b>43-013-31787</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5851 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

The subject well was converted from a production to an injection well on December 12, 1999. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

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

SIGNED: [Signature] TITLE: District Engineer DATE: 12/17/99

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

DEC 17 1999

DIVISION OF OIL, GAS & MINING

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

		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74826</b>	
1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>ASHLEY (GR RVR)</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>NORTH ASHLEY 1-1</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>NORTH ASHLEY 1-1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/NE 0533 FNL 0516 FEL</b>		10. FIELD AND POOL OR WILDCAT  <b>UNDESIGNATED</b>	
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/NE Section 1, T09S R15E</b>	
14. API NUMBER <b>43-013-31787</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5851 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

The subject well was placed on water injection on 12/21/99.

18 I hereby certify that the foregoing is true and correct.  
SIGNED [Signature] TITLE District Engineer DATE 12/28/99

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

\* See Instructions On Reverse Side

**RECEIVED**  
**DEC 29 1999**  
DIVISION OF OIL, GAS & MINING



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. 242-1

**Operator:** Inland Production Company  
**Well:** Ashley Federal #1-1  
**Location:** Section 1 , Township 9 South, Range 15 East, Duchesne County  
**API No.:** 43-013-31787  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 25, 1998.
2. Maximum Allowable Injection Pressure: 2649 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4866 feet - 5896 feet)

Approved by:

  
\_\_\_\_\_  
John R. Baza  
Associate Director, Oil And Gas

12/20/99  
\_\_\_\_\_  
Date

**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-74826</b>
6. If Indian, Allottee or Tribe Name <b>NA</b>
7. If Unit or CA, Agreement Designation <b>ASHLEY (GR RVR)</b>
8. Well Name and No. <b>NORTH ASHLEY 1-1</b>
9. API Well No. <b>43-013-31787</b>
10. Field and Pool, or Exploratory Area <b>UNDESIGNATED</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)  
**0533 FNL 0516 FEL                      NE/NE Section 1, T09S R15E**

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

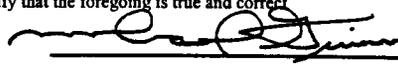
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

The subject well was converted from a production to an injection well on December 12, 1999. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

**RECEIVED**  
MAR 06 2000  
DIVISION OF  
OIL, GAS AND MINING

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

Signed  Title District Engineer Date 12/17/99

(This space for Federal or State office use)

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

Conditions of approval, if any: with 15700

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.



cc: Bob J.  
Luci S.  
Don N  
George

### SUMMARY WORKOVER REPORT

**ASHLEY FED 1-1**

NE/NE Section 1 - T9S - R15E  
Duchesne Co., UT  
API # 43-013-1787

Spud Dat 6/26/97  
TD 5980'  
Completion or Workover Rig KES #51

**Report Date 3/12/99 Day 1**

**Pump Change**

**Date Work Performed 3/11/99**

MIRU KES #51. Pump 100 BW dn csg @ 250°F. RD pumping unit. Work rods, couldn't unseat pump. RU hot oil trk pump additional 50 BW @ 250 F. Work rods, unseat rod pump pulling 10,000# over string WT. Flush tbg & rods w/38 BW @ 250°F. TOH w/rods & pump. LD 20 plain rods. Rods & pump both looked good (plunger stuck open on pump). ND wellhead. Release TA. NU BOP. RU sand line. RIH check sand top w/depthometer, taged sand @ 5895' (29' of sand since completion). TOH w/production tbg & BHA. LD 16 jts tbg. LD perf sub. TIH w/production tbg as follows: 2-7/8 NC, 2 jts tbg, SN, 2 jts tbg, TA, 165 jts 2-7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5202' w/SN @ 5267' & EOT @ 5332'. Land tbg w/12,000# tension. NU wellhead. RDMOSU. Est - 188 BWTR.

Daily Cost \$3,733 Cumulative Cost \$3,733

**Report Date 3/13/99 Day 2**

**Pump Change**

**Date Work Performed 3/12/99**

RU hot oil trk flush tbg w/35 BW @ 250°F. TIH w/rods as follows: 2-1/2 x 1-1/2 x 12 x 15-1/2 RHAC Randys pump, 4 - 1" scraped rods, 108 - 3/4" plain rods, 97 - 3/4" scraped rods, 1 - 8', 1 - 6', 1 - 4', 2 - 2' pony rods, PU & space out w/1-1/2 x 22' polished rod. Seat pump. Fill tbg w/19 BW. Long stroke pump up to 800#. Held good w/good pump action. RU pumping unit. RDSUMOL. Est 296 BWTR. PLACE WELL ON PRODUCTION @ 10:00 AM, 3/12/99 W/64" SL @ 6 SPM.

Daily Cost \$1,248 Cumulative Cost \$4,981

**Report Date 12/10/99 Day 1**

**Injection Conversion**

**Date Work Performed 12/9/99**

MIRU LES #697. Pumped 90 BW down csg @ 250 deg and RD pumping unit. Unseat pump and flush rods and tbg w/45 BW @ 250 deg. Soft seat pump and test tbg to 3000 psi. POOH w/rods and pump LD on trailer. RD rod equipment and RU tbg equipment. ND wellhead and release TA. NU BOP and POOH w/180 jts tbg. SWIFN. EWL 135 BBLS.

Daily Cost \$1,900 Cumulative Cost \$6,881

**Report Date 12/11/99 Day 2**

**Injection Conversion**

**Date Work Performed 12/10/99**

Continue to POOH w/production string. TIH w/5-1/2" bit and scraper and 169 jts tbg. POOH w/151 jts tbg breaking, inspecting and applying Liquid-O-Ring to all pin ends. SWIFN.

Daily Cost \$2,500 Cumulative Cost \$9,381

**Report Date 12/12/99 Day 3**

**Injection Conversion**

**Date Work Performed 12/11/99**

Blow down well and LD 18 jts tbg and 5-1/2" scraper on trailer. TIH w/5-1/2" Arrow Set 1 Pkr w/wireline guide, 1 - 2-7/8" SN, 151 - 2-7/8" jts tbg, tightening each connection. ND BOP and pump 60 BW w/pkr fluid. Set pkr @ 4763' in 16,000# tension, NU wellhead. Fill csg w/30 BW w/pkr fluid and test to 1100 psi. RDMO SU. EWL 225 BBLS. Ready for MIT.



RESOURCES INC.

## SUMMARY WORKOVER REPORT

Daily Cost \$8,700 Cumulative Cost \$18,081

CUM INT CONU COSTS = \$13,100



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

**CURRENT OPERATOR**

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

**NEW OPERATOR**

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

(This space for State use only)

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

Approval Date: 9-20-04

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

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

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>Nashley Fed 1-1-9-15</u>	API Number: <u>43-013-31787</u>
Qtr/Qtr: <u>NE/NE</u> Section: <u>1</u>	Township: <u>9S</u> Range: <u>15E S01</u>
Company Name: <u>NEWFIELD</u>	
Lease: State <u>Utah</u> Fee <u>Fee</u>	Federal <u>U-74826</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>10-28-04</u>

Initial Conditions:

Tubing - Rate: Injecting @ 86.8 BPD Pressure: 1900 psi

Casing/Tubing Annulus - Pressure: 1200 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1200</u>	<u>1900</u>
5	<u>1200</u>	<u>1900</u>
10	<u>1200</u>	<u>1900</u>
15	<u>1200</u>	<u>1900</u>
20	<u>1200</u>	<u>1900</u>
25	<u>1200</u>	<u>1900</u>
30	<u>1200</u>	<u>1900</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1900 psi

Casing/Tubing Annulus Pressure: 1200 psi

COMMENTS: Tested for 5 year rule. Record test for  
Benton Check  
Tested @ 9:00AM

[Signature]  
Operator Representative

---

# Facsimile Cover Sheet

**To:** Lisha Cordova  
**Company:** State of Utah  
**Phone:** (801) 538-5296  
**Fax:** (801) 539-3940

**From:** Cheryl Cameron  
**Company:** Inland Production Company  
**Phone:** (801) 789-1866  
**Fax:** (801) 789-1877

**Date:** 7/1/97

**Pages including this  
cover page:** 2

**Comments:** Entity Action Form for N. Ashley Federal #1-1.

## Transmit Confirmation Report

No. : 005  
Receiver : 18013593940  
Transmitter : INLAND PRODUCTION CO.  
Date : Jul 01, 97 9:37  
Time : 01'49  
Mode : Norm  
Pages : 03  
Result : OK

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU74826

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ASHLEY PA A

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

8. WELL NAME and NUMBER:  
NORTH ASHLEY 1-1

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4301331787

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: 0533 FNL 0516 FEL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NE, 1, T9S, R15E

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  <hr/> <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/01/2004	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input 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 Five year MIT was conducted on the subject well. On 10/27/04 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 10/28/04 the casing was pressured to 1200 psi w/ no pressure loss charted in the 1/2 hour test. Dennis Ingram was there to witness the test.

RECEIVED

NOV 03 2004

DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 11-03-04  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 11-4-04  
Initials: *[Signature]*

NAME (PLEASE) Krishna Russell  
SIGNATURE *[Signature]*

TITLE Production Clerk  
DATE November 01, 2004

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: [Signature] Date 10/28/04 Time 9:00 am pm  
Test Conducted by: BRET HENRIE  
Others Present: \_\_\_\_\_

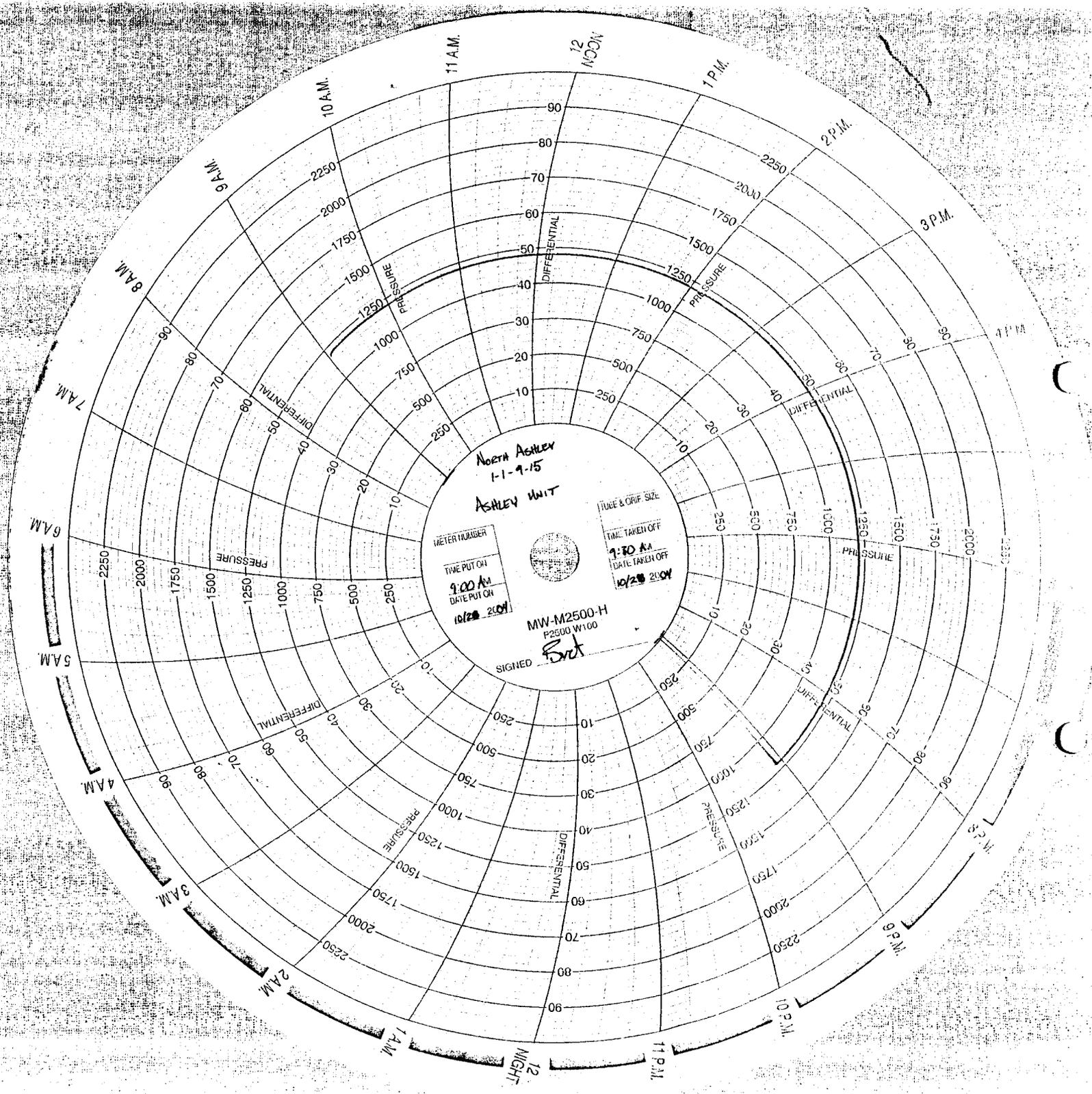
Well: North Ashley Fed. 1-1-9-15	Field: ASHLEY UNIT
Well Location: NE/NE Sec. 1-T9S-R-15E	API No: 43-013-31787

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psig

Result: Pass Fail

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



**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

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

**CA No.** \_\_\_\_\_ **Unit:** **ASHLEY**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NORTH ASHLEY 1-1	01	090S	150E	4301331787	12419	Federal	WI	A
NORTH ASHLEY 8-1	01	090S	150E	4301331809	12419	Federal	OW	P
ASHLEY FED 7-1	01	090S	150E	4301331824	12419	Federal	WI	A
ASHLEY FED 10-1	01	090S	150E	4301331825	12419	Federal	OW	P
ASHLEY FED 9-1	01	090S	150E	4301331859	12419	Federal	WI	A
ASHLEY FED 2-1	01	090S	150E	4301331883	12419	Federal	OW	P
ASHLEY FED 11-1	01	090S	150E	4301331926	12419	Federal	WI	A
ASHLEY FED 6-1	01	090S	150E	4301331927	12419	Federal	OW	P
ASHLEY FED 5-1-9-15	01	090S	150E	4301331998	12419	Federal	WI	A
ASHLEY FED 12-1-9-15	01	090S	150E	4301332000	12419	Federal	OW	P
ASHLEY FED 13-1-9-15	01	090S	150E	4301332001	12419	Federal	D	PA
ASHLEY FED 14-1	01	090S	150E	4301332002	12419	Federal	OW	P
ASHLEY FED 15-1	01	090S	150E	4301332003	12419	Federal	WI	A
ASHLEY FED 16-1	01	090S	150E	4301332004	12419	Federal	OW	P
ASHLEY U 3-1-9-15	01	090S	150E	4301332117	12419	Federal	WI	A
ASHLEY U 4-1-9-15	01	090S	150E	4301332118	12419	Federal	OW	P
ASHLEY U 1-12	12	090S	150E	4301332005	12419	Federal	WI	A
ASHLEY U 2-12	12	090S	150E	4301332006	12419	Federal	OW	P
ASHLEY U 4-12	12	090S	150E	4301332007	12419	Federal	OW	P
ASHLEY U 7-12	12	090S	150E	4301332008	12419	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:  
USA UTU-74826

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
ASHLEY PA A

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

8. WELL NAME and NUMBER:  
NORTH ASHLEY 1-1

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331787

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 533 FNL 516 FEL

COUNTY: DUCHESNE

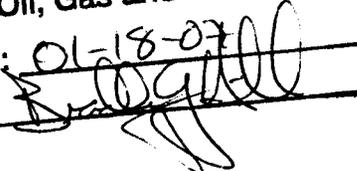
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 1, T9S, R15E

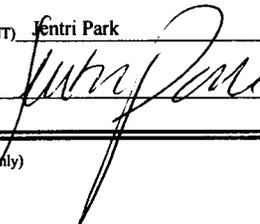
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>01/15/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Recompletion/MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The subject well had workover procedures initiated on 12-27/06 and finished on 01/02/07. Acidized CP sds @ 5724'-5896' set packer @ 4807'.  
On 1-2-07 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 1-4-07. On 1-4-07 the csg was pressured up to 1540 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1100 psig during the test. There was not a State representative available to witness the test.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 01-18-07  
By: 

NAME (PLEASE PRINT) Jenri Park      TITLE Production Clerk  
SIGNATURE       DATE 01/15/2007

(This space for State use only)

**RECEIVED**  
**JAN 17 2007**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Dennis Ingram Date 1/4/07 Time 12:45 am/pm

Test Conducted by: Chris Wilkerson

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

Well: <u>N. Ashley Fed 1-1-9-15</u>	Field: <u>Mon Botte / Ashley Unit</u>
Well Location: <u>NE/NE Sec 1-T9S-R15E</u> <u>Duchesne County UTAH</u>	API No: <u>43-013-31787</u>

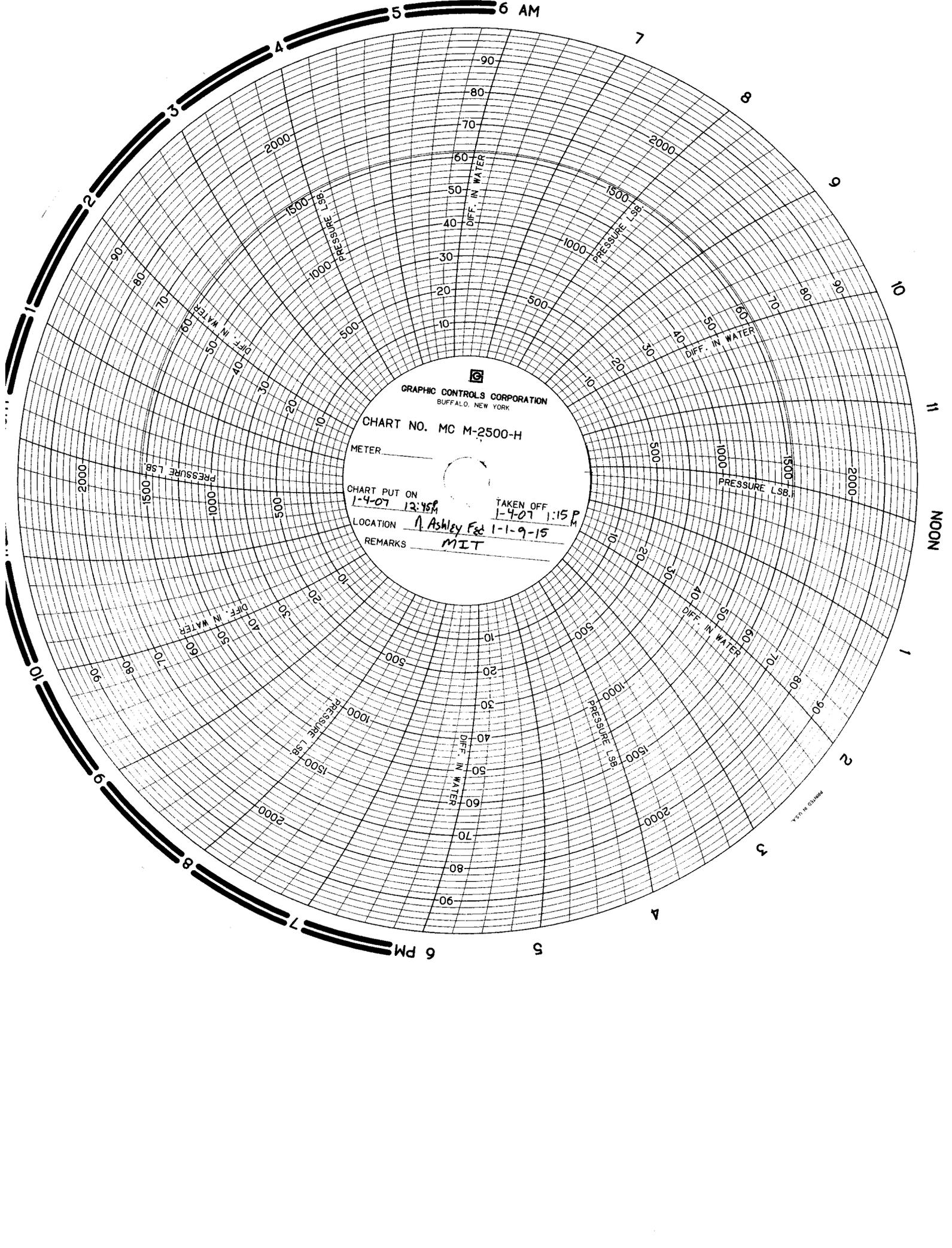
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1540</u>	psig
5	<u>1540</u>	psig
10	<u>1540</u>	psig
15	<u>1540</u>	psig
20	<u>1540</u>	psig
25	<u>1540</u>	psig
30 min	<u>1540</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1100 psig

Result: Pass Fail

Signature of Witness: Dennis Ingram

Signature of Person Conducting Test: Chris Wilkerson



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

CHART PUT ON

1-4-07 12:45 P

TAKEN OFF

1-4-07 1:15 P

LOCATION

N. Ashley Fed 1-1-9-15

REMARKS

MIT

PRINTED IN U.S.A.

INJECTION WELL - PRESSURE TEST

Well Name: NAF 1-1-9-15 API Number: 43-013-31787  
 Qtr/Qtr: NE/NE Section: 1 Township: 9S Range: 15E  
 Company Name: NEWFIELD PRODUCTION CO  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal UT4-735 Indian \_\_\_\_\_  
 Inspector: [Signature] Date: 1-4-07

Initial Conditions:

Tubing - Rate: Static Pressure: 1540 psi

Casing/Tubing Annulus - Pressure: 1100 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1540</u>	<u>1100</u>
5	<u>1540</u>	<u>1100</u>
10	<u>1540</u>	<u>1100</u>
15	<u>1540</u>	<u>1100</u>
20	<u>1540</u>	<u>1100</u>
25	<u>1540</u>	<u>1100</u>
30	<u>1540</u>	<u>1100</u>

Results: Pass Fail

Conditions After Test:

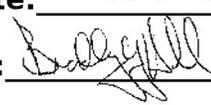
Tubing Pressure: 1100 psi

Casing/Tubing Annulus Pressure: 1540 psi

COMMENTS: Tested after Workover log on Well, Record on  
Beaker Records.

[Signature]  
Operator Representative

RECEIVED  
JAN 17 2007  
12:00 Am  
DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74826
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> NORTH ASHLEY 1-1	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013317870000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0533 FNL 0516 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 01 Township: 09.0S Range: 15.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/13/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION  <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 12/06/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 12/13/2011 the casing was pressured up to 1280 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 2096 psig during the test. There was not a State representative available to witness the test.</p>		
		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>
		Date: <u>12/19/2011</u>
		By: <u></u>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/15/2011	

# Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 12/13/11 Time 9:00A am pm

Test Conducted by: DAVE CLAWARD

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

Well: <u>NORTH ASHLEY</u> <u>1-1-9-15</u>	Field: <u>NORTH ASHLEY 1-1-9-15</u> <u>Duchesne County, UTAH UTA 87538</u>
Well Location: <u>NORTH ASHLEY 1-1-9-15</u>	API No: _____
<u>NE/NE Sec. 1, T9S, R15E</u>	<u>43-013-31787</u>

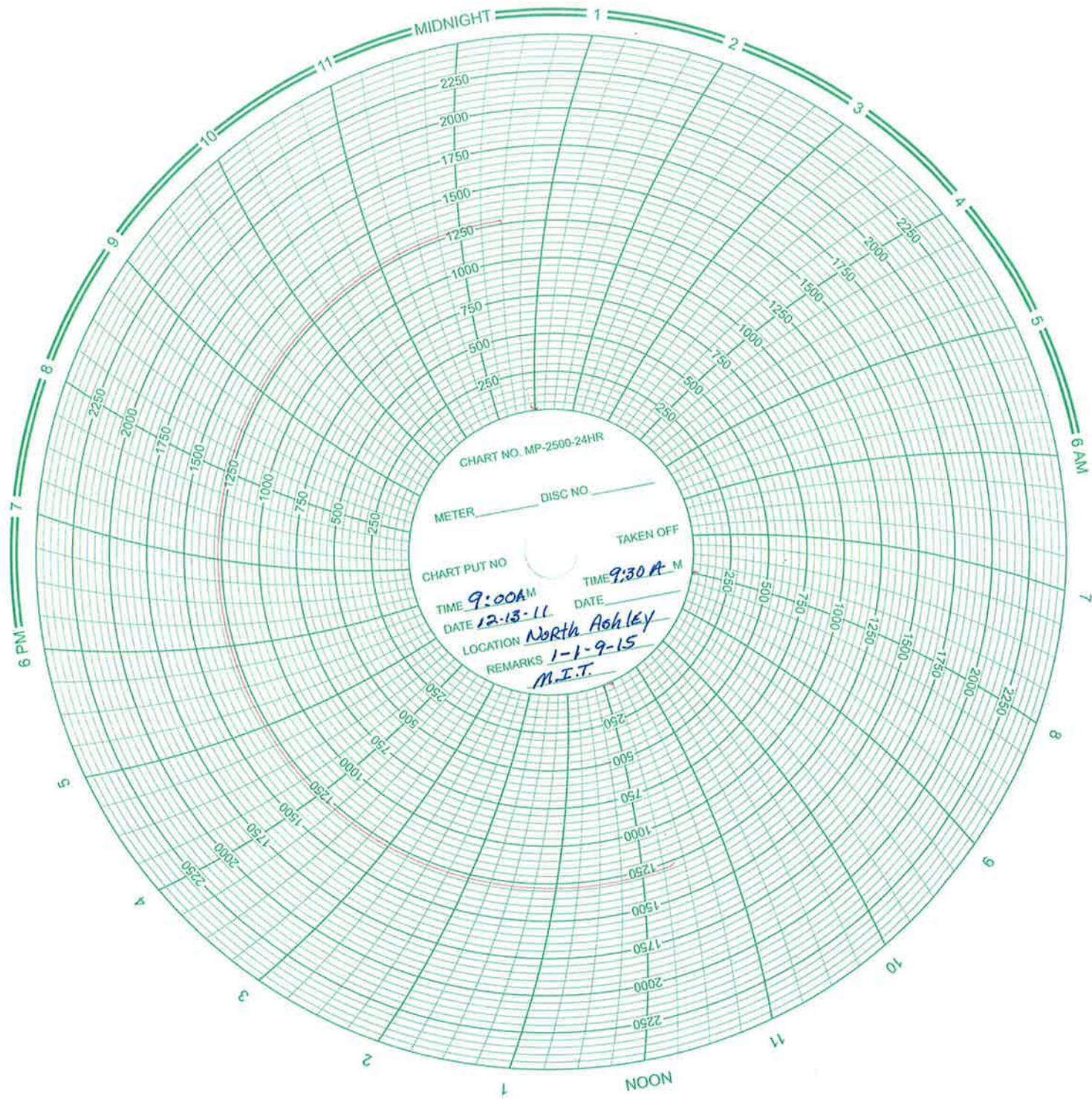
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1280</u>	psig
5	<u>1280</u>	psig
10	<u>1280</u>	psig
15	<u>1280</u>	psig
20	<u>1280</u>	psig
25	<u>1280</u>	psig
30 min	<u>1280</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2096 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Dave Cloward



43-013-31787

**Well Name: Ashley 1-1-9-15**

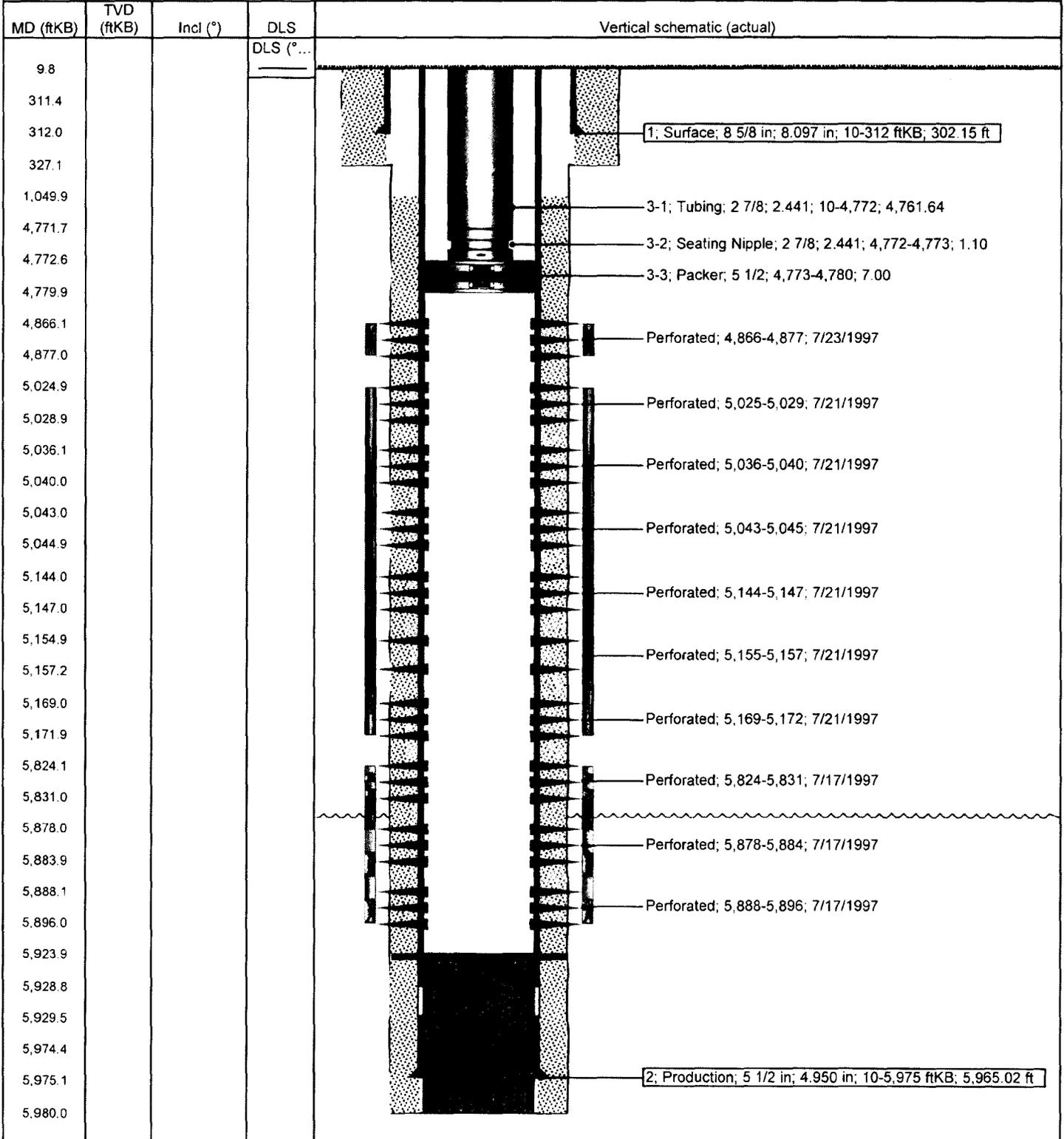
Surface Legal Location 01-9S-15E		API/UWI 43013317870000	Well RC 500151146	Lease	State/Province Utah	Field Name GMBU CTB2	County Duchesne
Spud Date 6/26/1997	Rig Release Date 7/3/1997	On Production Date 8/2/1997	Original KB Elevation (ft) 5,861	Ground Elevation (ft) 5,851	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,924.0

**Most Recent Job**

Job Category Testing	Primary Job Type Other	Secondary Job Type N/A	Job Start Date 12/13/2011	Job End Date 12/13/2011
-------------------------	---------------------------	---------------------------	------------------------------	----------------------------

**TD: 5,980.0**

Vertical - Original Hole, 3/29/2016 10:11:47 AM





**Newfield Wellbore Diagram Data  
Ashley 1-1-9-15**

Surface Legal Location 01-9S-15E		API/UVI 43013317870000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 6/26/1997		Spud Date 6/26/1997		Final Rig Release Date 7/3/1997	
Original KB Elevation (ft) 5,861		Ground Elevation (ft) 5,851		Total Depth (ftKB) 5,980.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,924.0	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/27/1997	8 5/8	8.097	24.00	J-55	312
Production	7/4/1997	5 1/2	4.950	15.50	J-55	5,975

**Cement**

**String: Surface, 312ftKB 6/28/1997**

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 327.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCl+ 1/4#/sk Flocele	Fluid Type Lead	Amount (sacks) 180	Class Premium Plus	Estimated Top (ftKB) 10.0

**String: Production, 5,975ftKB 7/4/1997**

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 1,050.0	Bottom Depth (ftKB) 5,980.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 300	Class Hi bond mixed	Estimated Top (ftKB) 1,050.0
Fluid Description	Fluid Type Tail	Amount (sacks) 340	Class Thixotropic	Estimated Top (ftKB) 3,515.0

**Tubing Strings**

Tubing Description Tubing				Run Date 12/11/1999	Set Depth (ftKB) 4,779.7			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	151	2 7/8	2.441	6.50	J-55	4,761.64	10.0	4,771.6
Seating Nipple		2 7/8	2.441			1.10	4,771.6	4,772.7
Packer		5 1/2				7.00	4,772.7	4,779.7

**Rod Strings**

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

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
3	D, Original Hole	4,866	4,877	4			7/23/1997
2	C, Original Hole	5,025	5,029	4			7/21/1997
2	C, Original Hole	5,036	5,040	4			7/21/1997
2	C, Original Hole	5,043	5,045	4			7/21/1997
2	B, Original Hole	5,144	5,147	4			7/21/1997
2	B, Original Hole	5,155	5,157	4			7/21/1997
2	B, Original Hole	5,169	5,172	4			7/21/1997
1	CP, Original Hole	5,824	5,831	4			7/17/1997
1	CP, Original Hole	5,878	5,884	4			7/17/1997
1	CP, Original Hole	5,888	5,896	4			7/17/1997

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,685		31.2	3,150			
2	2,723		38.0	3,120			
3	2,600		28.9	3,635			
4	4,806		26.4	6,980			
5	2,500						
5	2,500						

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 95900 lb
2		Proppant White Sand 122700 lb
3		Proppant White Sand 100500 lb
4		Proppant White Sand 82300 lb
5		
5		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74826
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> NORTH ASHLEY 1-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013317870000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0533 FNL 0516 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 01 Township: 09.0S Range: 15.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/3/2016		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:		OTHER: <input style="width: 50px;" type="text" value="5 YR MIT"/>
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 11/01/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 11/03/2016 the casing was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 2166 psig during the test. There was a State representative available to witness the test - Amy Doebele.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 25, 2016</b></p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/4/2016

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Amy Doebele Date 11/3/16 Time 8:23  am  pm  
Test Conducted by: Michael Jensen  
Others Present: Brian Jensen

Well: North Ashley 1-1-9-15 Field: Monument Butte  
Well Location: NE/NE Sec. 1, T9S, R15E API No: 43-013-31787

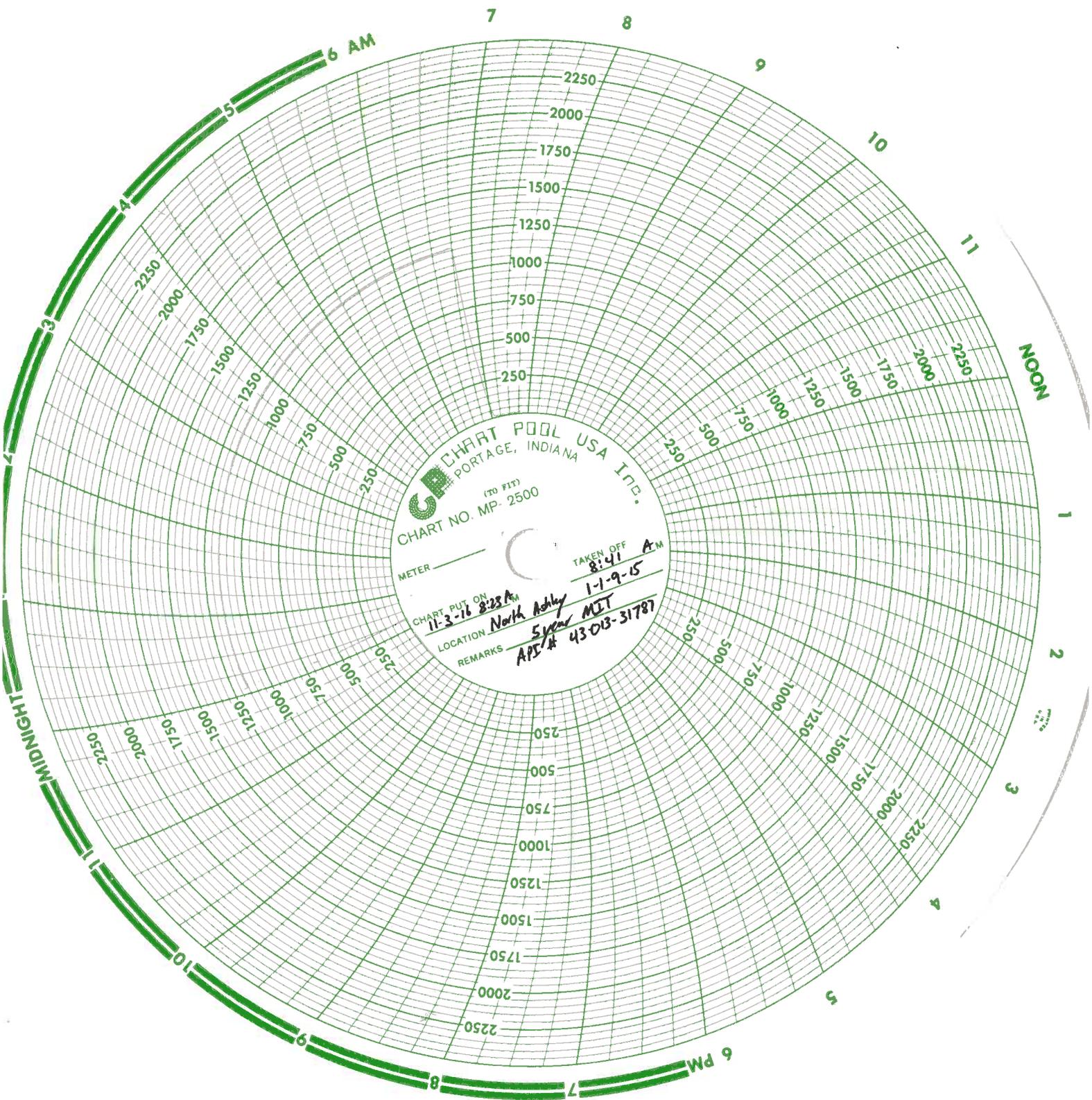
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1150</u>	psig
5	<u>1150</u>	psig
10	<u>1150</u>	psig
15	<u>1150</u>	psig
20		psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 2166 psig

Result:  Pass  Fail

Signature of Witness: Amy Doebele

Signature of Person Conducting Test: Michael Jensen



**CHART POOL USA INC.**  
PORTAGE, INDIANA  
(70 FT)  
CHART NO. MP-2500

METER \_\_\_\_\_

CHART PUT ON 11-3-16 8:28 AM

LOCATION North Ashby

REMARKS 5 year MIT  
API # 43013-31787

TAKEN OFF 8:41 AM  
1-1-9-15