

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED NOVEMBER 17, 1997

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-74805 INDIAN

DRILLING APPROVED: DECEMBER 18, 1997

SPUDDED IN: 1.21.98

COMPLETED: 3.11.98 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 105 BBL, 55 MCF, 12 BBL

GRAVITY A.P.I.

GOR: .524

PRODUCING ZONES: 4614-5299' MRRV

TOTAL DEPTH: 5500

WELL ELEVATION: 5250' KB

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. S. PLEASANT VALLEY 11-15 API NO. 43-013-31991

LOCATION 1980 FSL FT. FROM (N) (S) LINE. 1980 FWL FT. FROM (E) (W) LINE. NE SW 1/4 - 1/4 SEC. 15

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	15	INLAND PRODUCTION

QUATERNARY		Star Point	Chinle	Molas
Alluvium		Wahweap	Shinarump	Manning Canyon
Lake beds		Masuk	Moenkopi	Mississippian
Pleistocene		Colorado	Sinbad	Humbug
Lake beds		Sego	PERMIAN	Brazer
TERTIARY		Buck Tongue	Kaibab	Pilot Shale
Pliocene		Castlegate	Coconino	Madison
Salt Lake		Mancos	Cutler	Leadville
Oligocene		Upper	Hoskinnini	Redwall
Norwood		Middle	DeChelly	DEVONIAN
Eocene		Lower	White Rim	Upper
Duchesne River		Emery	Organ Rock	Middle
Uinta		Blue Gate	Cedar Mesa	Lower
Bridger		Ferron	Halgaite Tongue	Ouray
Green River		Frontier	Phosphoria	Elbert
<i>Garden gulch</i>	<i>3400</i>	Dakota	Park City	McCracken
<i>Garden gulch 2</i>	<i>3108</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>Point 3</i>	<i>3954</i>	Cedar Mountain	Supai	Simonson Dolomite
<i>X marker</i>	<i>4197</i>	Buckhorn	Wolfcamp	Sevy Dolomite
<i>Y marker</i>	<i>4231</i>	JURASSIC	CARBON I FEROUS	North Point
<i>DACK</i>	<i>4356</i>	Morrison	Pennsylvanian	SILURIAN
<i>BI CARB</i>	<i>4587</i>	Salt Wash	Oquirrh	Laketown Dolomite
<i>BI TIME</i>	<i>4708</i>	San Rafael Gr.	Weber	ORDOVICIAN
<i>CASTLE PEAK</i>	<i>5175</i>	Summerville	Morgan	Eureka Quartzite
<i>Basal CARB</i>	<i>NDE</i>	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy		Curtis		CAMBRIAN
Paleocene		Entrada	Pardox	Lynch
Current Creek		Moab Tongue	Ismay	Bowman
North Horn		Carmel	Desert Creek	Tapeats
CRETACEOUS		Glen Canyon Gr.	Akah	Ophir
Montana		Navajo	Barker Creek	Tintic
Mesaverde		Kayenta		PRE - CAMBRIAN
Price River		Wingate	Cane Creek	
Blackhawk		TRIASSIC		

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL GAS SINGLE MULTIPLE WELL [X] WELL [ ] OTHER [ ] ZONE [ ] ZONE [ ]
2. NAME OF OPERATOR Inland Production Company
3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface NE/SW At proposed Prod. Zone 1980' FSL & 1980' FWL 603 603
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12.9 Miles southeast of Myton, Utah
15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 16. NO. OF ACRES IN LEASE 520 17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 19. PROPOSED DEPTH 6500' 20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5240.4' GR 22. APPROX. DATE WORK WILL START\* 4th Quarter 1997

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

The actual cement volumes will be calculated off of the open hole logs, plus 15% excess. SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl2, 1/4# /sk Flocele Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 Gal/sk LONG STRING - Lead: Hibond 65 Modified Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H2O Req: 18.08 Gal/sk Tail: Premium Plus Thixotropic Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 Gal/sk

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. 24. SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 11/11/97

(This space for Federal or State office use) PERMIT NO. 43-013-31991 APPROVAL DATE Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: APPROVED BY John R. Baya TITLE Associate Director Utah DOGM DATE 12/10/97

\*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. RECEIVED NOV 17 1997 DIV. OF OIL, GAS & MINING

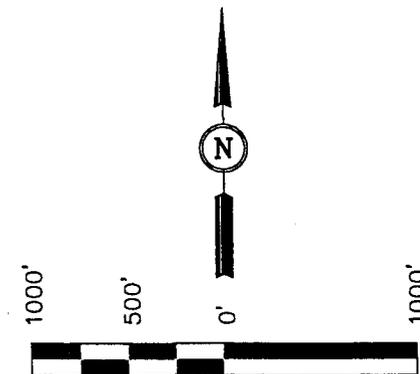
**INLAND PRODUCTION CO.**

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

Well location, S. PLEASANT VALLEY #11-15, located in the NE 1/4 SW 1/4 of Section 15, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 15, T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5233 FEET.



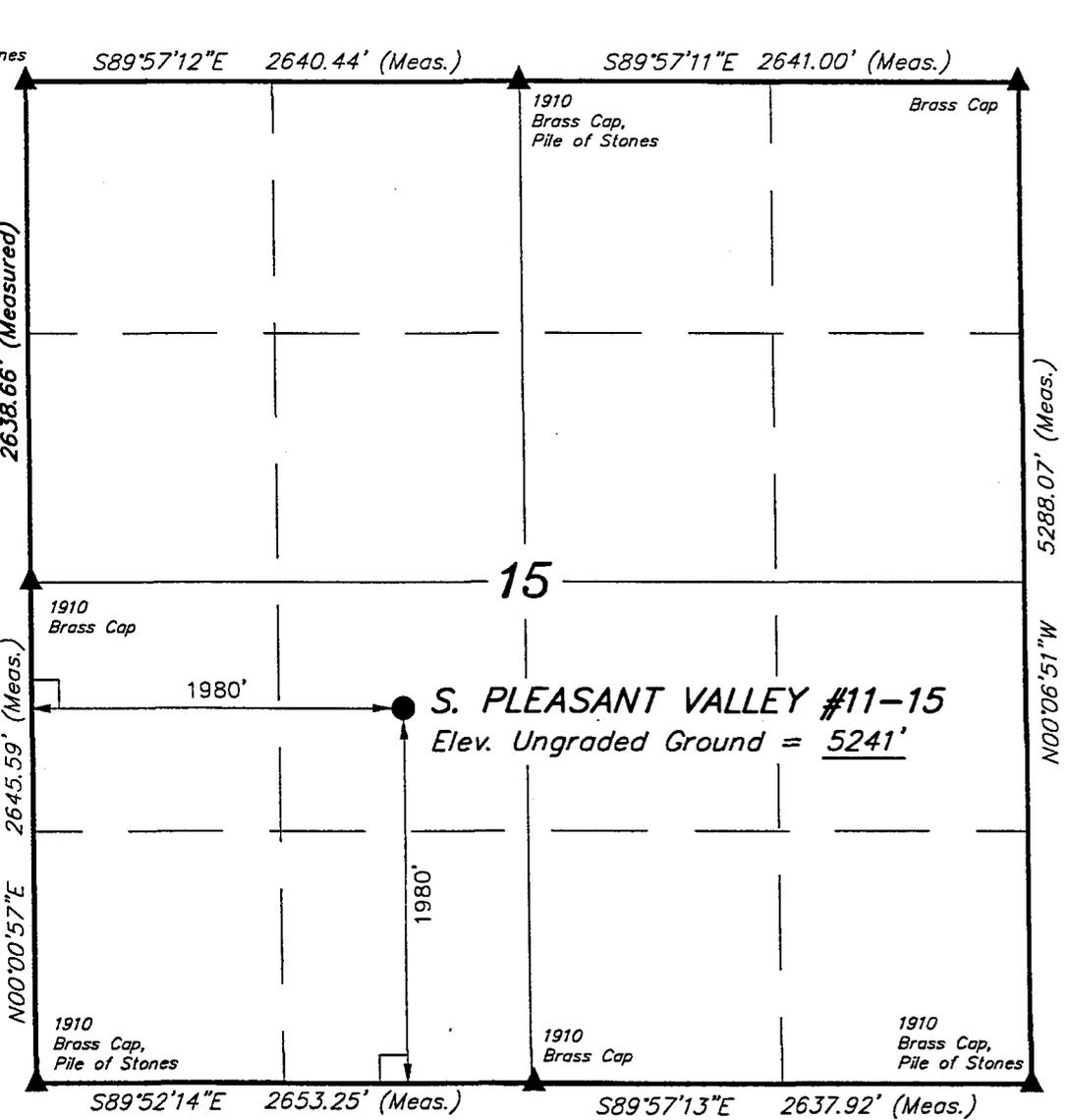
SCALE

**CERTIFICATE**

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

*Robert L. Hays*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

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



**LEGEND:**

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

SCALE 1" = 1000'	DATE SURVEYED: 9-26-97	DATE DRAWN: 10-2-97
PARTY D.A. K.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
S. PLEASANT VALLEY #11-15  
NE/SW SECTION 15, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' - 1280'
Green River	1280'
Wasatch	6500'

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

Green River Formation 1280' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

(See Exhibit F)

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

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050'  $\pm$ , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions of 5 lb. - 8 lb. per barrel of DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromate's will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

S. PLEASANT VALLEY #11-15

**AIR DRILLING**

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

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

**MUD PROGRAM**

**MUD TYPE**

Surface - 320'

Air

320' - 4200'

Air/Mist & Foam

4200' - TD

The well will be drilled with fresh water through the Green River Formation @ 4200' ±, to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

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

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

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

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300' ±, and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500' ±. The cement bond log will be run from 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 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

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

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

**INLAND PRODUCTION COMPANY  
S. PLEASANT VALLEY #11-15  
NE/SW SECTION 15, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site S. Pleasant Valley #11-15 located in the NE1/4 SW 1/4 Section 15, T9S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles to its junction with an existing dirt road to the southeast; proceed southeasterly along this road 5.1 miles to its junction with a dirt road to the south; proceed southerly 2.8 miles to its junction with an existing dirt road to the east; proceed easterly 1.3 miles to its junction with an existing dirt road to the north; proceed northerly 0.2 miles to the existing two track road to the beginning of the access road, to be discussed in Item #2.

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

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

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

**2. PLANNED ACCESS ROAD**

The planned access road is approximately 50' to the proposed location.  
See Topographic Map "B".

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

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

**S. PLEASANT VALLEY #11-15**

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**

See Exhibit "D".

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

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

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

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

Tank batteries will be built to BLM specifications.

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

5. **LOCATION AND TYPE OF WATER SUPPLY**

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the S. Pleasant Valley #11-15, or trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/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.

## S. PLEASANT VALLEY #11-15

### 7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A small reserve pit (90' X 40' X 8' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

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

A portable toilet will be provided for human waste.

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

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

### 8. ANCILLARY FACILITIES

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

### 9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

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

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

Access to the well pad will be from the northwest corner near stake #8.

## S. PLEASANT VALLEY #11-15

### Fencing Requirements

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

- a) A 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

### 10. PLANS FOR RESTORATION OF SURFACE

#### a) *Producing Location*

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

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

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

#### b) *Dry Hole Abandoned Location*

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

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

S. PLEASANT VALLEY #11-15

12. OTHER ADDITIONAL INFORMATION

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

The Archaeological Cultural Resource Survey Report is attached.

*Additional Surface Stipulations*

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

*Hazardous Material Declaration*

Inland Production Company guarantees that during the drilling and completion of the S. Pleasant Valley #11-15 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 S. Pleasant Valley #11-15, 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.

S. PLEASANT VALLEY #11-15

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, UT 84079  
Telephone: (801) 789-1866

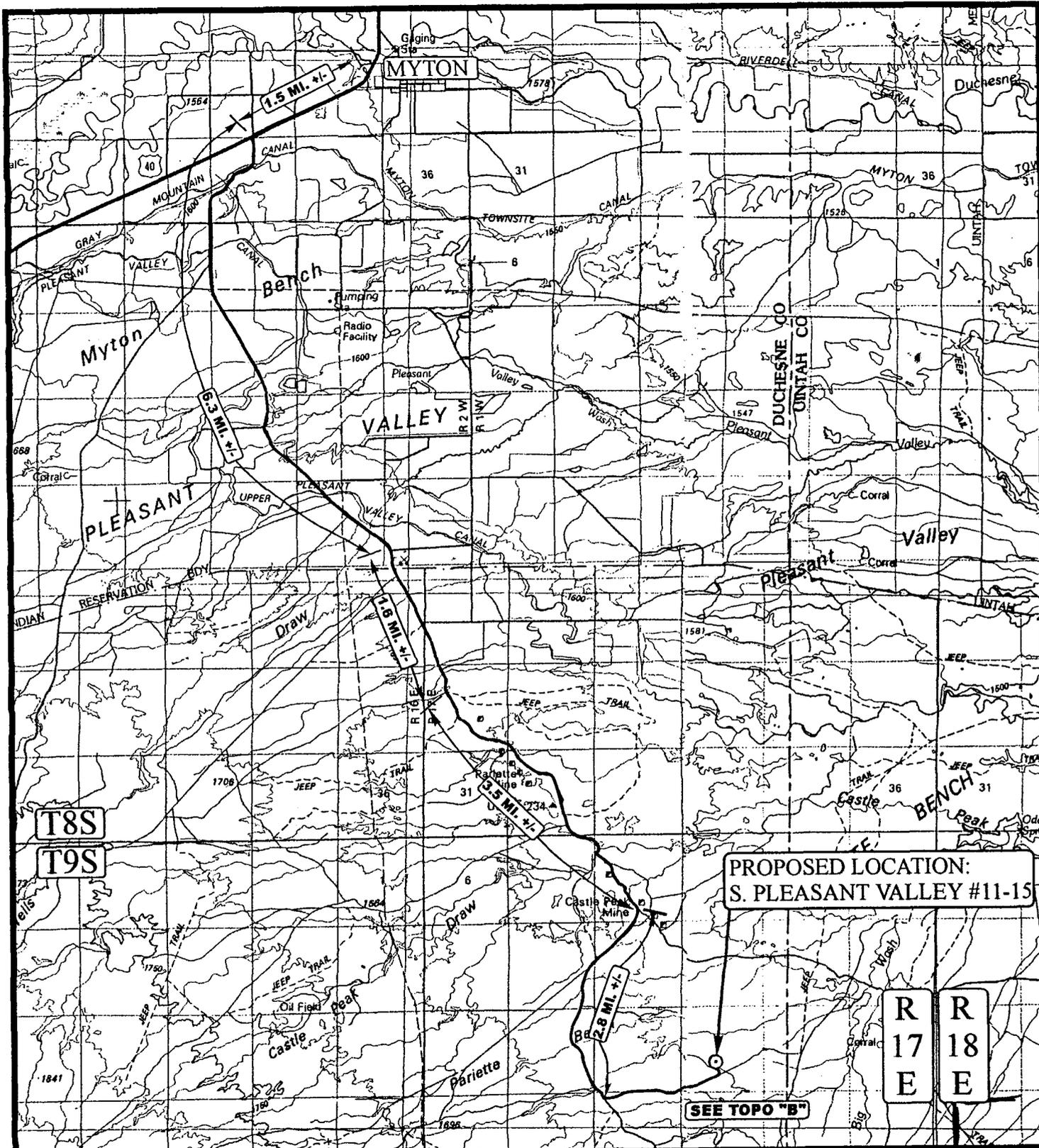
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #11-15 NE/SW Section 15, Township 9S, Range 17E: Lease #U-74805 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

11/11/97  
Date

Cheryl Cameron  
Cheryl Cameron  
Regulatory Compliance Specialist



PROPOSED LOCATION:  
S. PLEASANT VALLEY #11-15

R 17  
R 18  
E E

SEE TOPO "B"

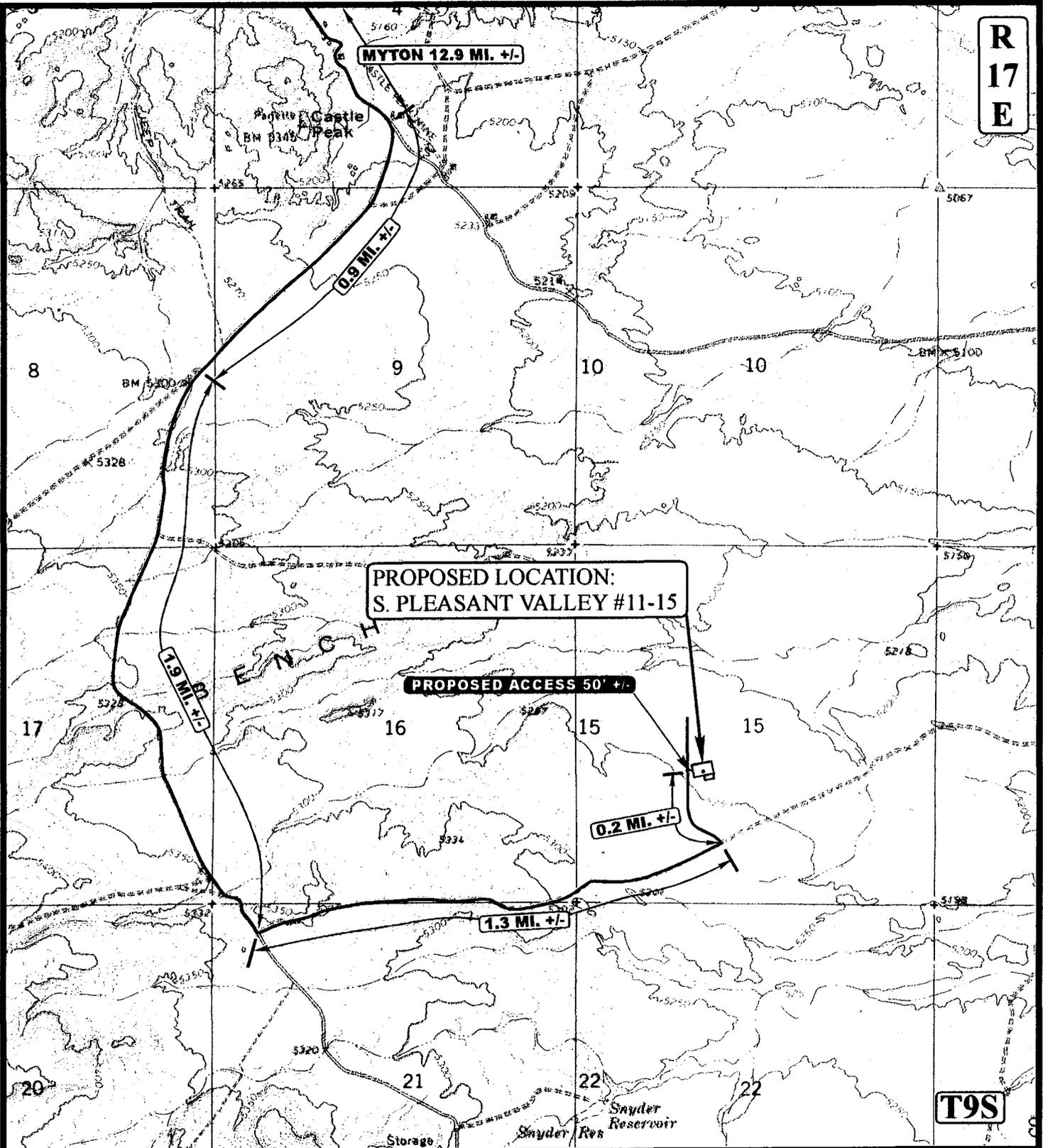
LEGEND:  
○ PROPOSED LOCATION



INLAND PRODUCTION CO.  
S. PLEASANT VALLEY #11-15  
SECTION 15, T9S, R17E, S.L.B.&M.  
1980' FSL 1980' FWL

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

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



R  
17  
E

T9S

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**INLAND PRODUCTION CO.**

S. PLEASANT VALLEY #11-15  
SECTION 15, T9S, R17E, S.L.B.&M.  
1980' FSL 1980' FWL

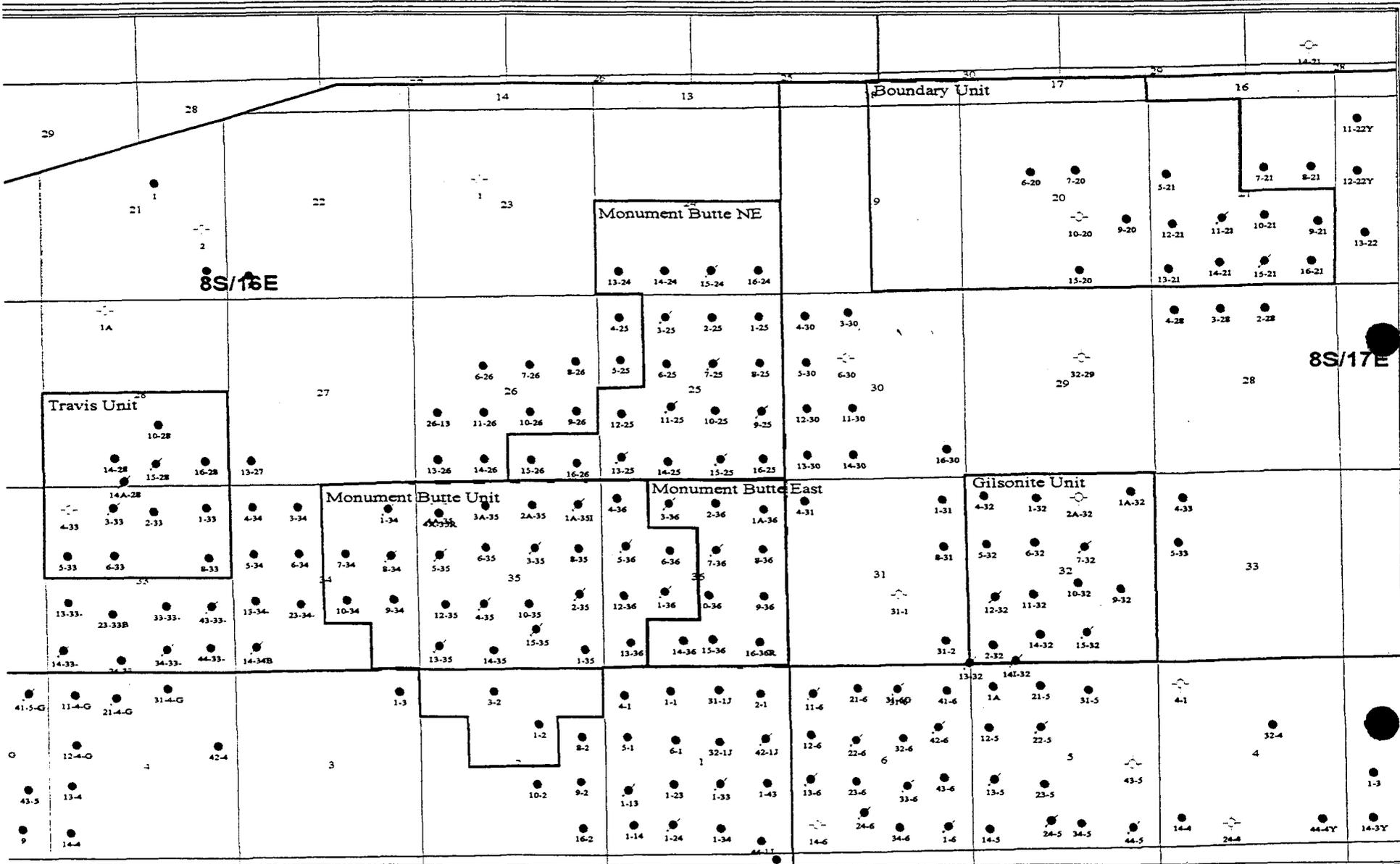


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(801) 789-1017 \* FAX (801) 789-1813  
Email: uels@easilink.com

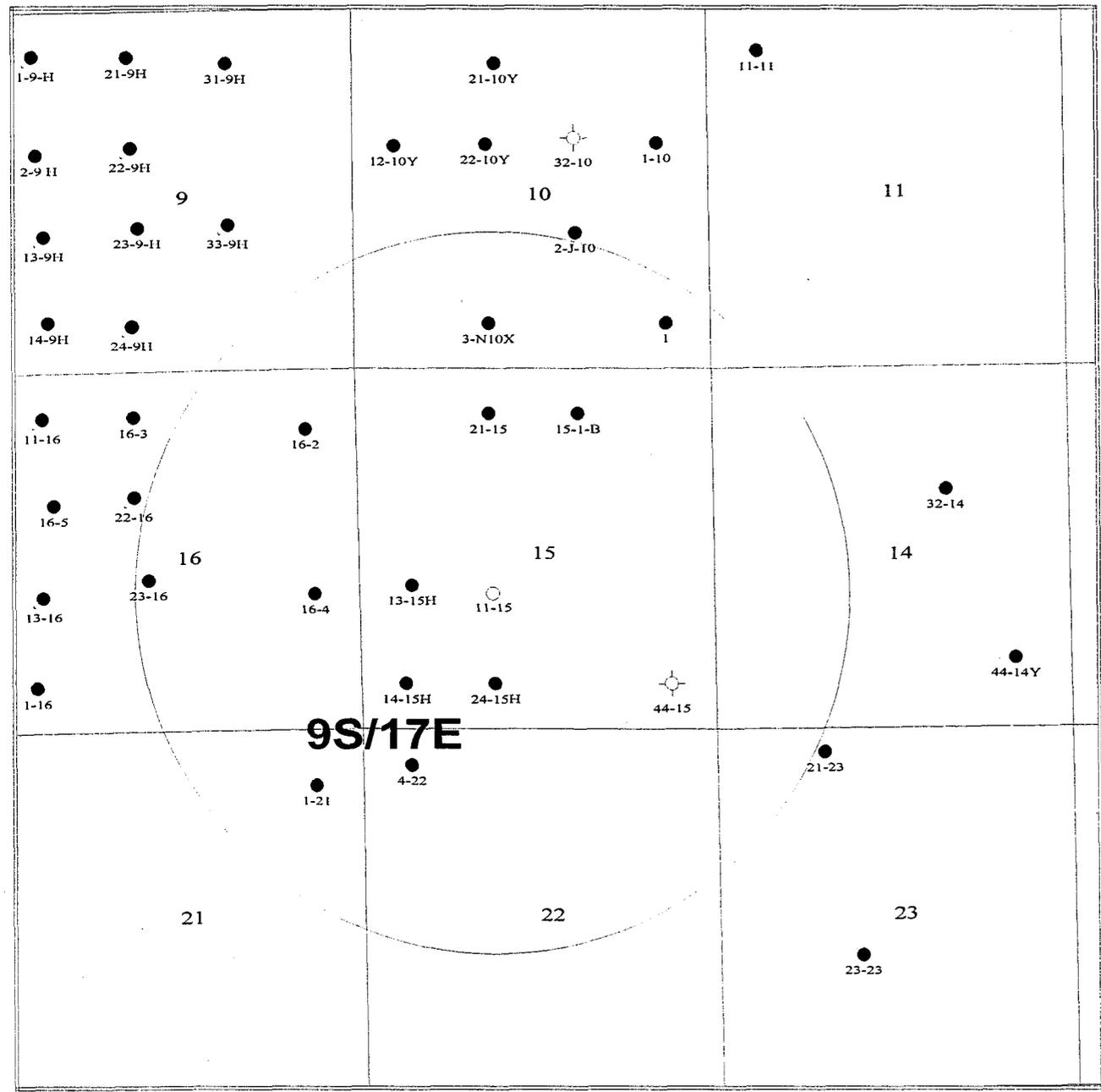
**TOPOGRAPHIC** 10 2 97  
**MAP** MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00



EXHIBIT "C"




 475 17<sup>th</sup> Street Suite 1500  
 Denver, Colorado 80202  
 Phone: (303) 292-0900  
**Regional Area**  
 Duchesne County, Utah  
 Date: 4/18/97 J.A.



9S/17E

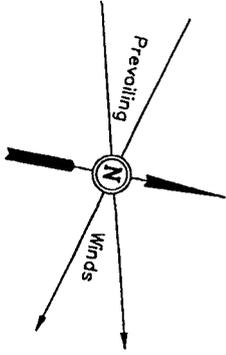
EXHIBIT "D"

INLAND PRODUCTION COMPANY		
ONE MILE RADIUS S PLEASANT VALLEY 11-15		
Josh Acobson		10/24/97
Scale 1:28720.73		

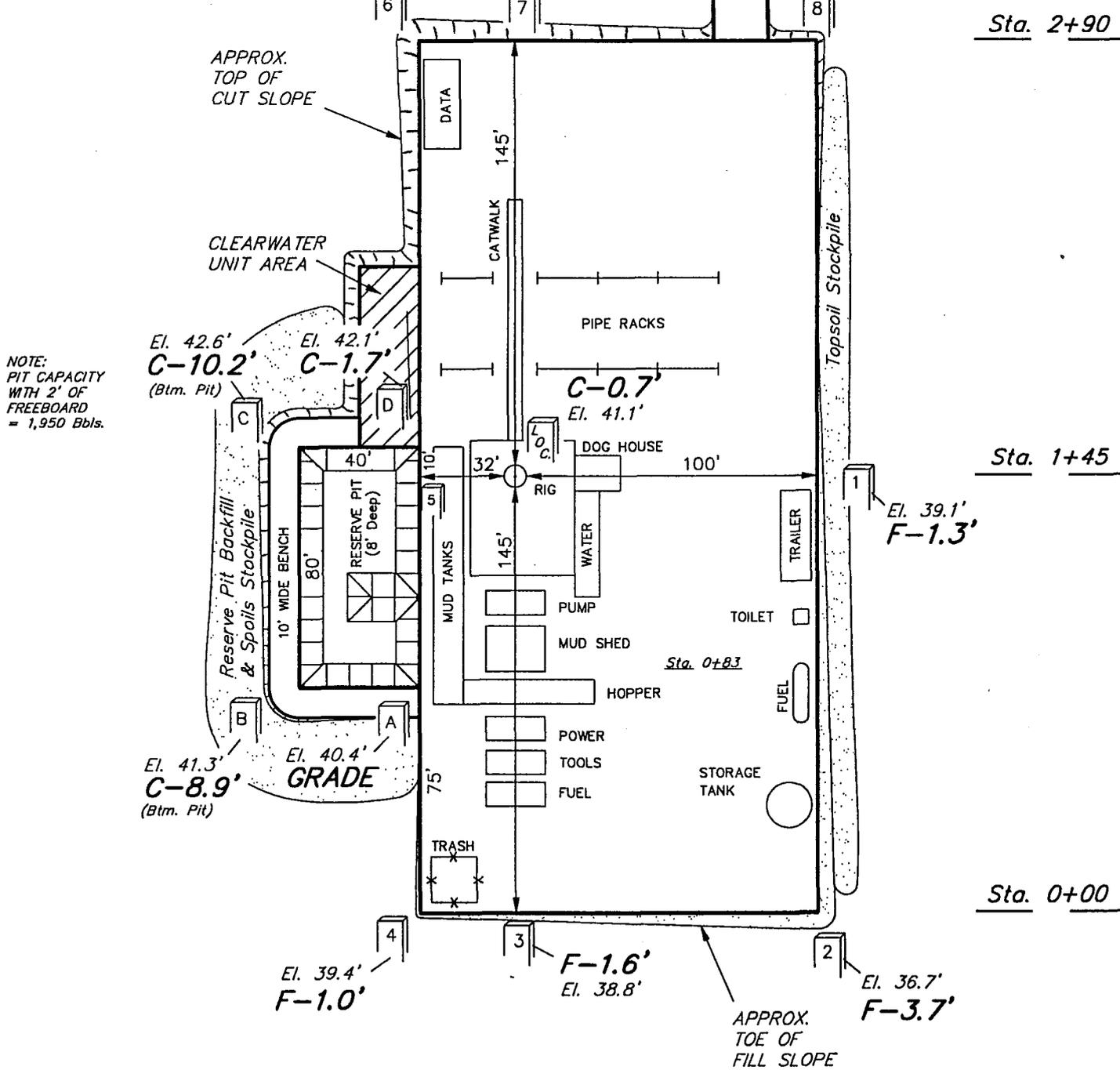
INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

S. PLEASANT VALLEY #11-15  
SECTION 15, T9S, R17E, S.L.B.&M.  
1980' FSL 1980' FWL



SCALE: 1" = 50'  
Date: 10-2-97  
Drawn By: D.COX



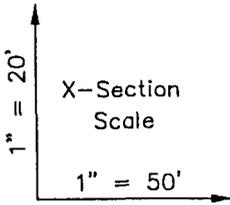
NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 1,950 Bbls.

Elev. Ungraded Ground at Location Stake = 5241.1'  
Elev. Graded Ground at Location Stake = 5240.4'

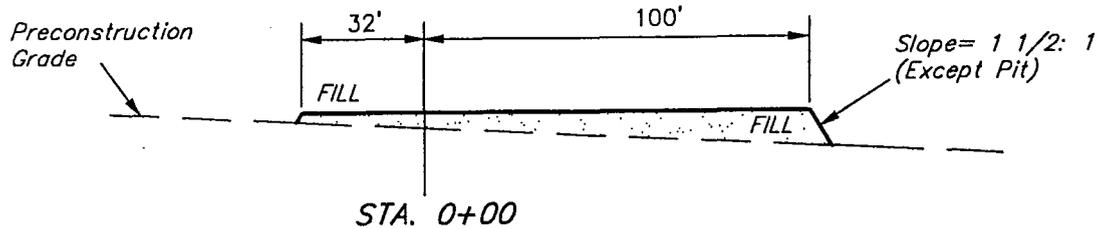
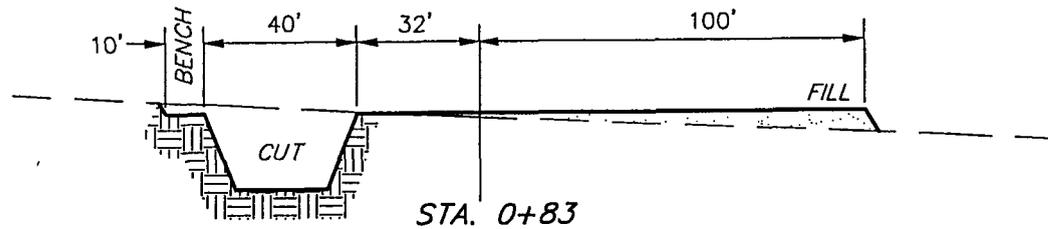
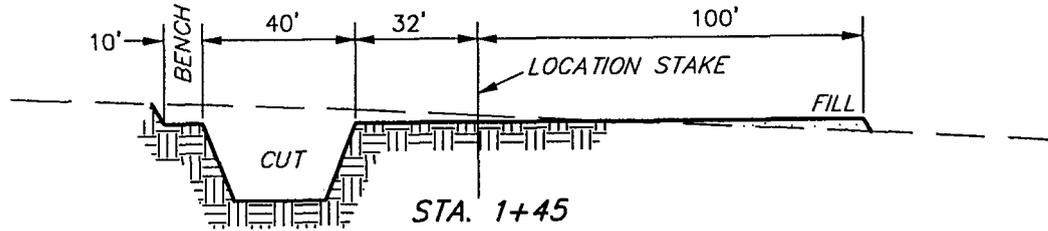
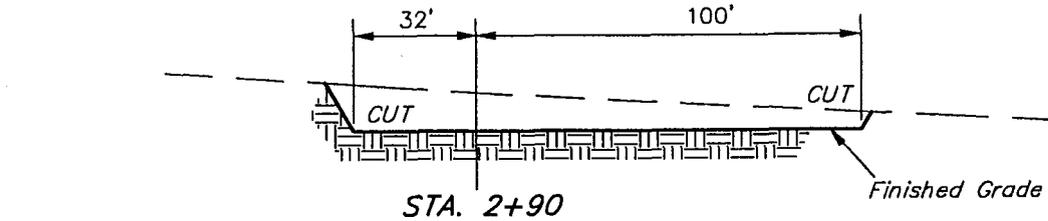
**INLAND PRODUCTION CO.**

**TYPICAL CROSS SECTIONS FOR**

S. PLEASANT VALLEY #11-15  
SECTION 15, T9S, R17E, S.L.B.&M.  
1980' FSL 1980' FWL



Date: 10-2-97  
Drawn By: D.COX



**APPROXIMATE YARDAGES**

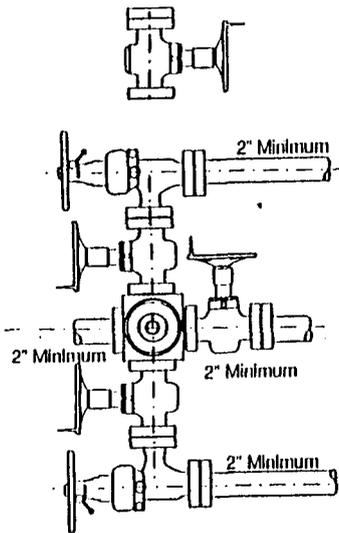
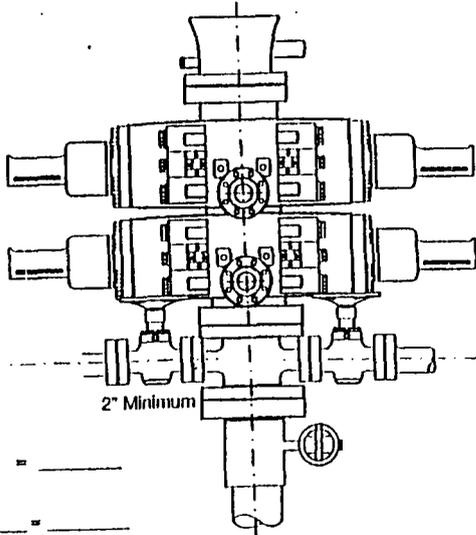
<b>CUT</b>	
(6") Topsoil Stripping	= 780 Cu. Yds.
Remaining Location	= 1,770 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 2,550 CU.YDS.</b>
<b>FILL</b>	<b>= 1,390 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,090 Cu. Yds.
EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed	= 0 Cu. Yds.

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

2-M SYSTEM

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



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

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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/17/97

API NO. ASSIGNED: 43-013-31991

WELL NAME: SOUTH PLEASANT VALLEY 11-15  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:  
 NESW 15 - T09S - R17E  
 SURFACE: 1980-FSL-1980-FWL  
 BOTTOM: 1980-FSL-1980-FWL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (~~104~~)/105

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 74805

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 1-32)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_

R649-3-2. General.

\_\_\_ R649-3-3. Exception.

\_\_\_ Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

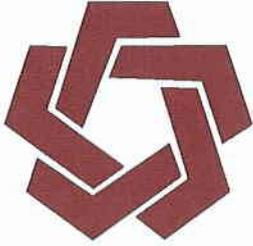
STIPULATIONS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



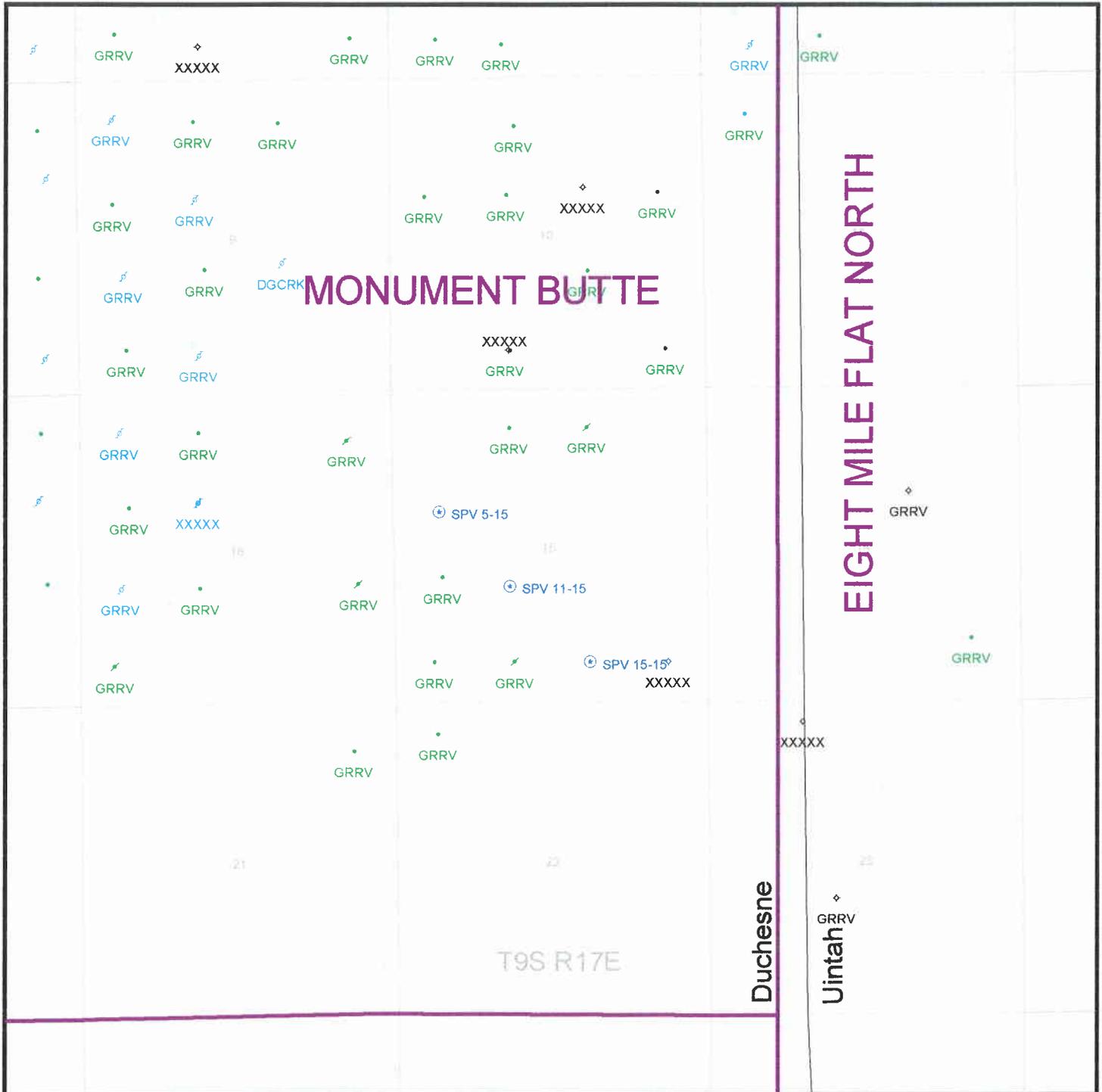
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. TWP. RNG.: SEC. 15, T9S, R17E

COUNTY: DUCHESNE UAC: R649-3-2



DATE PREPARED:  
20-NOV-1997

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1 Type of Well

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

2 Name of Operator

Inland Production Company

3 Address and Telephone No.

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

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

See Attached

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

See Attached

9. API Well No.

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

- [X] Notice of Intent
[ ] Subsequent Report
[ ] Final Abandonment Notice

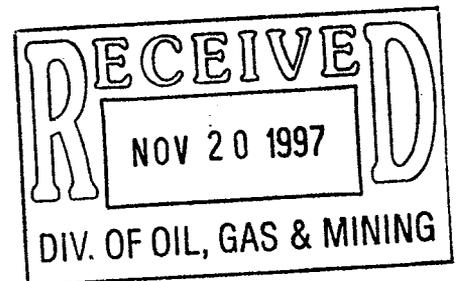
- [ ] Abandonment
[ ] Recompletion
[ ] Plugging Back
[ ] Casing repair
[ ] Altering Casing
[ ] Other

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

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

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

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



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

Signed Cheryl Cameron

Title Regulatory Compliance Specialist Date 11/14/97

(This space of Federal or State office use.)

Approved by Title Date

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

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

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



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

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

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

December 18, 1997

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

Re: S. Pleasant Valley 11-15 Well, 1980' FSL, 1980' FWL, NE SW,  
Sec. 15, T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31991.

Sincerely,

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

lwp

Enclosures

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

Operator: Inland Production Company  
Well Name & Number: S. Pleasant Valley 11-15  
API Number: 43-013-31991  
Lease: U-74805  
Location: NE SW Sec. 15 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

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

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

3. Reporting Requirements

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

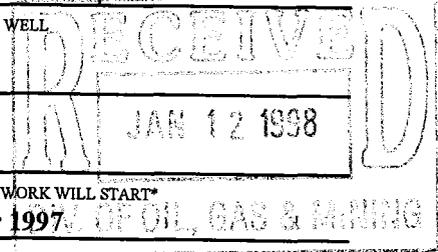
5. LEASE DESIGNATION AND SERIAL NO. U-74805
6. IF INDIAN, ALOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME S. Pleasant Valley
9. WELL NO. #11-15
10. FIELD AND POOL OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T9S, R17E

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL OIL GAS SINGLE MULTIPLE WELL [X] WELL [ ] OTHER [ ] ZONE [ ] ZONE [ ]
2. NAME OF OPERATOR Inland Production Company
3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At Surface NE/SW At proposed Prod. Zone 1980' FSL & 1980' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12.9 Miles southeast of Myton, Utah
12. County Duchesne 13. STATE UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dng. unit line, if any) 16. NO. OF ACRES IN LEASE 520 17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 19. PROPOSED DEPTH 6500' 20. ROTARY OR CABLE TOOLS Rotary



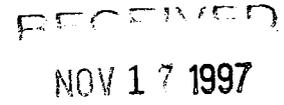
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5240.4' GR 22. APPROX. DATE WORK WILL START\* 4th Quarter 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl2, 1/4# /sk Flocele
Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 Gal/sk
LONG STRING - Lead: Hibond 65 Modified
Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H2O Req: 18.08 Gal/sk
Tail: Premium Plus Thixotropic
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 Gal/sk



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

24. SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 11/11/97

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

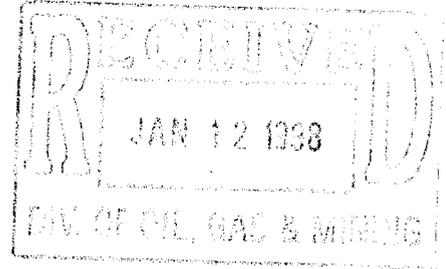
CONDITIONS OF APPROVAL, IF ANY:
APPROVED [Signature] TITLE Assistant Field Manager Mineral Resources DATE JAN 09 1998

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Inland Production Company

Well Name & Number: S. Pleasant Valley 11-15

API Number: 43-013-31991

Lease Number: U - 74805

Location: NESW Sec. 15 T. 8S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished 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 shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the shallowest potential productive zone. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. 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 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

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 Field 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) 781-1190  
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**

### **Location Reclamation**

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

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

Immediately after spreading topsoil over these reclaimed areas, the rehabilitated areas and the remaining topsoil stockpile shall be seeded by broadcasting the seed and then walking the seed in with a "CAT":

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

All seed poundages are in Pure Live Seed.

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

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

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

### **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.

**Burrowing Owl**

No new construction or surface disturbing activities will be allowed within a 0,5 mile radius of an active burrowing owl nest from April 1 through July 15.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: SOUTH PLEASANT VALLEY 11-15

Api No. 43-013-31991

Section 15 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED:

Date 1/26/98

Time \_\_\_\_\_

How ROTARY

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

Reported by MIKE WARD

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

Date: 1/27/98 Signed: JLT

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-74805**

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

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL      R17E**

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

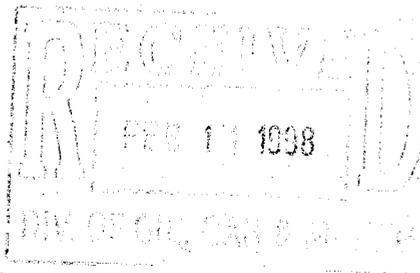
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 1/22/98 - 1/28/98**

NU BOP's. 4-3/4 hrs – Test lines, valves, rams & manifold to 3000 psi, annular preventer & csg to 1500 psi.  
Drl plug, cmt & GS. Drl 320' - 991'



14. I hereby certify that the foregoing is true and correct  
Signed Shannon Stewart Title Engineering Secretary Date 1/28/98

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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**NA**

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL                      R17E**

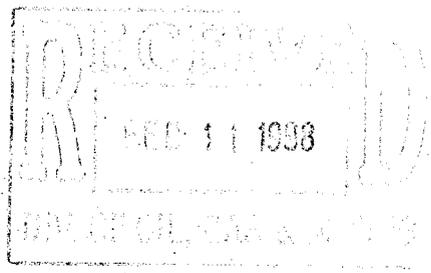
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

MIRU Union #17. Drl & set 14" conductor @ 35' KB. Spud well @ 4:30 pm, 1/26/98. Drl mouse & rat hole. NU air bowl & flowline. Dlr 12-1/4" sfc hole to 320'. C&C. TOH. ND air bowl & flowline. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg, WHI "W92", 2000 psi WP csg head (294'). Csg set @ 309'. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/140 sx Premium Plus w/2% CC, 1/2#/sk Flocele (15.6 ppg 1.18 cf/sk yield). Had 7 bbl cmt returns. Cmt lvl held. RD Halliburton. WOC.



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

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

(This space for Federal or State office use)

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

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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-74805**

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

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL                      R17E**

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

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

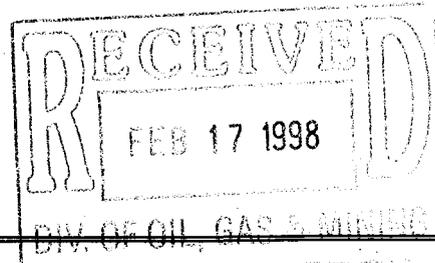
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 1/29/98 - 2/4/98**

Drilled 7-7/8" hole w/Union, Rig #17 from 991' - 5500'.

Run 5-1/2" GS, 1 jt 5-1/2" csg (42'), 5-1/2" FC, 128 jt 5-1/2", 15.5#, J-55, LT & C csg (5474'). Csg set @ 5488'. RD Casers. RU Halliburton. Wash & circ fill on bottom. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/260 sx Hibond 65 Modified (11.0 ppg 3.0 cf/sk yield) & tailed w/210 sx Thixotropic & 10% Calseal (14.2 ppg 1.59 cf/sk yield). Good returns until POB w/1800 psi @ 7:00 am, 2/4/98. RD Halliburton. No dye to sfc. ND BOP's. Set slips w/80,000#, dump pits. Rig released @ 9:00 am, 2/4/98. RDMOL.



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

Signed Shawven Smith Title Engineering Secretary Date 2/4/98

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-74805**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. PLEASANT VALLEY 11-15**

9. API Well No.

**43-013-31991**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1980 FSL 1980 FWL                      NE/SW Section 15, T09S R17E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

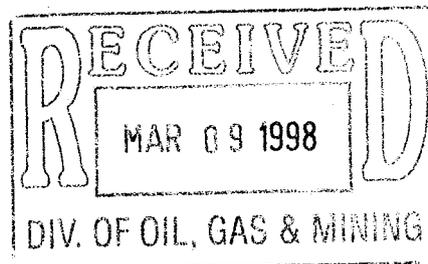
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 2/26/98 - 3/4/98**

Perf CP sds @ 5246-55', 5276-80' & 5294-99'.

Perf A sds @ 4851-59'.



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

Signed Shannon Smith Title Engineering Secretary Date 3/5/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

OPERATOR Inland Production Company

OPERATOR ACCT. NO. N5160

ENTITY ACTION FORM - FORM 6

ADDRESS 475 17th St., Suite 1500

Denver, CO 80202

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12299	43-013-31826	PARLETTE DRAW 8-22-8-17	SE/NE	22	8S	17E	Duchesne	1/11/98	1/11/98
WELL 1 COMMENTS: Spud well w/Union, Rig #7 @ 12:00am 1/11/98. Entities added 3-3-98. Lec											
B	99999	11492	43-013-31889	JONAH 8-7	SE/NE	7	4S	17E	Duchesne	1/13/98	1/13/98
WELL 2 COMMENTS: Spud well w/zcm Drilling @ 1:40 pm 1/13/98. Jonah Unit											
B	99999	11492	43-013-31988	JONAH 7-7	SW/NE	7	4S	17E	Duchesne	1/20/98	1/20/98
WELL 3 COMMENTS: Spud well w/zcm Drilling @ 11:30 am, 1/20/98. Jonah Unit											
A	99999	12300	43-013-31813	PARLETTE DRAW 9-22-8-17	NE/SE	22	8S	17E	Duchesne	1/21/98	1/21/98
WELL 4 COMMENTS: Spud well w/Union, Rig #7 @ 2:00 pm. 1/21/98											
B	99999	12187	43-013-31986	HAWKEYE 14-23-8-16	SE/SW	23	8S	16E	Duchesne	1/23/98	1/23/98
WELL 5 COMMENTS: Spud well w/zcm drilling @ 3:00 pm, 1/23/98. Hawkeye Unit											

- NOTE: Use COMMENT section to explain why each Action Code was selected.
- TIOWI CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

Shannon Smith  
Signature

Engineering Technician  
Title

303, 376-8107  
Date

Phone No. 303, 376-8107

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 WELL ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SE	TP	RG	COUNTY		
B	99999	12187	43-03-3984	HAWKEYE 9-23-8-16	NE/SE	23	8S	16E	Duchesne	1/26/98	1/26/98
COMMENTS: Spud well w/zcm Drilling @ 12:05 pm, 1/26/98. Holes added 3-3-98. Lic HAWKEYE UNIT											
A	99999	12301	43-013-3941	S. PLEASANT VALLEY 11-5	NE/SW	15	9S	17E	Duchesne	1/26/98	1/26/98
COMMENTS: Spud well w/union, Rig #17 @ 4:30 pm, 1/26/98.											
A	99999	12302	43-047-3945	ODEKIRK SPRING 3-36	NE/NW	36	8S	17E	Uintah	1/30/98	1/30/98
COMMENTS: Spud well w/union, Rig #7 1/30/98											
B	99999	12187	43-013-3985	HAWKEYE 10-23-8-16	NW/SE	23	8S	16E	Duchesne	2/4/98	2/4/98
COMMENTS: Spud well w/zcm Drilling @ 7:30 pm, 2/4/98 HAWKEYE UNIT											
A	99999	12303	43-013-3942	S. Pleasant Valley 15-15	SW/SE	15	9S	17E	Duchesne	2/5/98	2/5/98
COMMENTS: Spud well w/union, Rig #17 @ 1:00 pm, 2/5/98.											

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

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

NOTE: Use COMMENT section to explain why each Action Code was selected.  
 (89)

ENTITY ACTION FORM - FORM 6

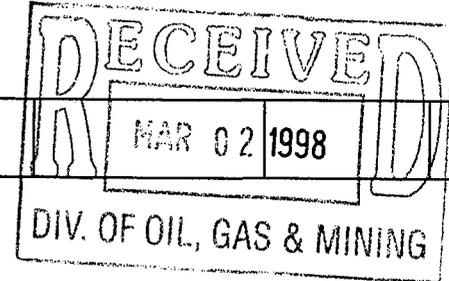
OPERATOR Coastal Oil & Gas Corporation

OPERATOR ACCT. NO. N 0230

ADDRESS P.O. Box 749

Denver, CO 80201-0749

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



ACTION CODES (See instructions on back of form)

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

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

*Sheila Bremer*

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

Phone No. (303) 573-4455

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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5. Lease Designation and Serial No.

**U-74805**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. PLEASANT VALLEY 11-15**

9. API Well No.

**43-013-31991**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1980 FSL 1980 FWL NE/SW Section 15, T09S R17E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> Notice of Intent
<input checked="" type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

<input type="checkbox"/> Abandonment
<input type="checkbox"/> Recompletion
<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Altering Casing
<input checked="" type="checkbox"/> Other <u>Weekly Status</u>

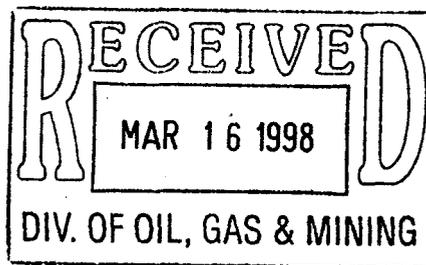
<input type="checkbox"/> Change of Plans
<input type="checkbox"/> New Construction
<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Dispose Water

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

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**WEEKLY STATUS REPORT FOR THE PERIOD OF 3/4/98 - 3/11/98**

Perf B sds @ 4614-16' & 4618-25'.  
Swab well. Trip & land production tbg.



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

Signed Shannon Smith Title Engineering Secretary Date 3/12/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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**U-74805**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.

**S. PLEASANT VALLEY 11-15**

2. Name of Operator

**INLAND PRODUCTION COMPANY**

9. API Well No.

**43-013-31991**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**1980 FSL 1980 FWL      NE/SW Section 15, T09S R17E**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

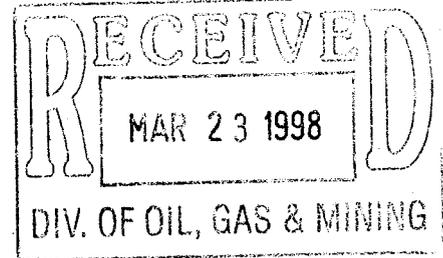
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 3/12/98 - 3/18/98**

PLACE WELL ON PRODUCTION @ 1:30 PM, 3/11/98.



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

Signed Shannon Smith Title Engineering Secretary Date 3/19/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

U-74805

16. TYPE OF WELL:  OIL WELL  GAS WELL  DRY  Other

17. TYPE OF COMPLETION:  NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DISP. HORIZ.  Other

MAY 27 1998

18. NAME OF OPERATOR  
Inland Production Company

DIV. OF OIL, GAS & MIN.

19. ADDRESS OF OPERATOR  
410 17th Street Suite 700 Denver CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface NE/SW  
At top prod. interval reported below 1980' FSL and 1980' FWL  
At total depth

1. NAME, DESIGNATION AND SERIAL NO. OF INDIAN, ALLOTTEE OR TRUST NAME  
2. NEAR ATTACHMENT NAME  
3. NAME OF LEASE NAME  
S. Pleasant Valley  
4. WELL NO.  
# 11-15  
10. FIELD AND POOL OR WILDCAT  
Monument Butte  
11. M.C. T. R. N. OR BLOCK AND SURVEY OR ARRA

14. PERMIT NO. 43-013-31991 | DATE ISSUED 12-18-97

12. COUNTY OR PARISH Duchesne | 13. STATE Utah

15. DATE SPUNDED 1-26-98 | 16. DATE T.D. REACHED 2-2-98 | 17. DATE COMPL. (Ready to prod.) 3-11-98  
18. ELEVATIONS (DF, RKB, RT, OR, ETC.) 5250' KB; 5240' GL  
19. ELEV. CASINGHEAD  
20. TOTAL DEPTH, MD & TVD 5500' | 21. FLUID, BASH TVD, MD & TVD 5428' | 22. IF MULTIPLE COMPL. HOW MANY? NA  
23. INTERVALS DRILLED BY ROTARY TOOLS SFC to TD | CABLE TOOLS  
24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Green River 4614'-5299'  
25. TYPE ELECTRIC AND OTHER LOGS R/W HRTSP/GR/CAL; DSNT/SDL/GR; CBL 3-27-98  
26. WAS DIRECTIONAL SURVEY MADE No  
27. WAS WELL CORRECTION No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED
8 5/8"	24# J-55	309'	12 1/4"	140 sx Premium	
5 1/2"	15.5# J-55	5488'	7 7/8"	260 sx Hibond and 210 sx Thixotropic	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT?	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5351'	

31. PERFORATION RECORD (Interval, size and number)

CP Sand - 5246'-55; 5276'-80; 5294'-99' 4 JSPP  
A Sand - 4851'-59' 4 JSPP  
B Sand - 4614'-16; 4618'-25' 4 JSPP

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5246'-5299'	120,300 # 20/40 sd in 577 Delta
4851'-4859'	120,300 # 20/40 sd in 575 Delta
4614'-4625'	120,300 # 20/40 sd in 560 Delta

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut in)					
3-11-98	Pumping 2 1/2" x 1 1/2" x 16' RHAC	Producing					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
10 Day Avg	3-98			105	55	12	.524
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS  
Items in #26

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

SIGNED Debbie Knight TITLE Permitting Specialist DATE 3-24-98

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3400'					
Garden Gulch 2	3698'					
Point 3	3954'					
X Marker	4197'					
Y Marker	4231'					
Douglas Crk	4356'					
Bi-Carb	4587'					
B-Lime	4708'					
Castle Peak	5175'					
Basal Carbonate	NDE					
TD	5500'					

Time Mar. 4. 10:28AM

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0111  
Expires: March 31, 1991

SUNDRY NOTICES AND REPORTS ON WELLS

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

3. Lease Designation and Serial No.

U-74805

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or C.A. Agreement Designation

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Inland Production Company (303) 292-0900

3. Address and Telephone No.

410 17th Street Suite 700, Denver, CO 80202

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

Section 15-T9S-R17E  
NE/SW  
1980' FSL and 1980' FWL

5. Well Name and No.

S. Pleasant Valley

# 11-15-9-17

8. API Well No.

43-013-31991

10. Field and Plant, or Regulatory Area

Monument Butte

11. County or Parish, State

Duchesne, Utah

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Resumption
- Plugging Back
- Casing Repair
- Altering Casing
- Other Well Name Change
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report result of multiple completion on Completion or Resumption Report and Log)

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

Inland Production Company requests approval to change the well name from S. Pleasant Valley #11-15 to S. Pleasant Valley #11-15-9-17.

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

Signed Debbie Knight

Title Permitting Specialist

Date 3-25-98

(This space for Federal or State office use)

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

Title \_\_\_\_\_ Date \_\_\_\_\_

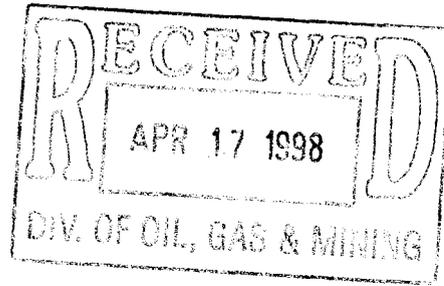
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

Received Time Mar. 4, 10:28AM

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1



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

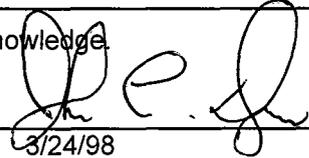
Well Name and number: S. Pleasant Valley #11-15  
Field or Unit name: Monument Butte (Green River) Lone Tree (Prop) Lease No. U-74805  
Well Location: QQ NESW section 15 township 9S range 17E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for:   Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
  Disposal? . . . . . Yes [ ] No [ X ]  
  Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ X ] No [ ]  
Date of test: 2/28/98  
API number: 43-013-31991

Proposed injection interval: from 4614' to 5299'  
Proposed maximum injection: rate 500 bpd pressure 1822 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

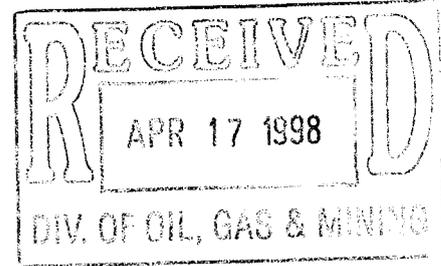
**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

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

I certify that this report is true and complete to the best of my knowledge.  
Name: John E. Dyer Signature   
Title Chief Operating Officer Date 3/24/98  
Phone No. (303) 292-0900

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

Comments:



**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**S. PLEASANT VALLEY #11-15**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LONE TREE UNIT (PROPOSED)**  
**LEASE #U-74805**  
**MARCH 24, 1998**

**TABLE OF CONTENTS**

**LETTER OF INTENT**  
**COVER PAGE**  
**TABLE OF CONTENTS**  
**UIC FORM 1 – APPLICATION FOR INJECTION WELL**  
**WELLBORE DIAGRAM OF PROPOSED INJECTION**  
**WORK PROCEDURE FOR INJECTION CONVERSION**  
**COMPLETED RULE R615-5-1 QUESTIONNAIRE**  
**COMPLETED RULE R615-5-2 QUESTIONNAIRE**  
**ATTACHMENT A ONE-HALF MILE RADIUS MAP**  
**ATTACHMENT A-1 WELL LOCATION PLAT**  
**ATTACHMENT B LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS**  
**ATTACHMENT C CERTIFICATION FOR SURFACE OWNER NOTIFICATION**  
**ATTACHMENT E WELLBORE DIAGRAM – S. PLEASANT VALLEY #11-15**  
**ATTACHMENT E-1 WELLBORE DIAGRAM – S. PLEASANT VALLEY #5-15**  
**ATTACHMENT E-2 WELLBORE DIAGRAM – FEDERAL #13-15H**  
**ATTACHMENT E-3 WELLBORE DIAGRAM – S. PLEASANT VALLEY#10-15**  
**ATTACHMENT E-4 WELLBORE DIAGRAM – FEDERAL #14-15H**  
**ATTACHMENT E-5 WELLBORE DIAGRAM – S. PLEASANT VALLEY #15-15**  
**ATTACHMENT E-6 WELLBORE DIAGRAM – FEDERAL #21-15H**  
**ATTACHMENT E-7 WELLBORE DIAGRAM – FEDERAL #24-15H**  
**ATTACHMENT E-8 WELLBORE DIAGRAM – JORGENSON STATE #16-4**  
**ATTACHMENT F WATER ANALYSIS OF THE FLUID TO BE INJECTED**  
**ATTACHMENT F-1 WATER ANALYSIS OF THE FLUID IN THE FORMATION**  
**ATTACHMENT F-2 WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS**  
**ATTACHMENT G FRACTURE GRADIENT CALCULATIONS**  
**ATTACHMENT G-1 FRACTURE REPORT DATED 3-3-98**  
**ATTACHMENT G-2 FRACTURE REPORT DATED 3-6-98**  
**ATTACHMENT G-3 FRACTURE REPORT DATED 3-8-98**  
**ATTACHMENT H WORK PROCEDURE FOR PROPOSED PLUGGING AND**  
**ABANDONMENT**  
**ATTACHMENT H-1 WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL**

# S. Pleasant Valley #11-15

Spud Date: 1/26/98  
 Put on Production: 3/11/98  
 GL: 5240' KB: 5250'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 128 jts. (5474')  
 DEPTH LANDED: 5488'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 260 sxs Hifill and 210 sxs Thixotropic  
 CEMENT TOP AT:

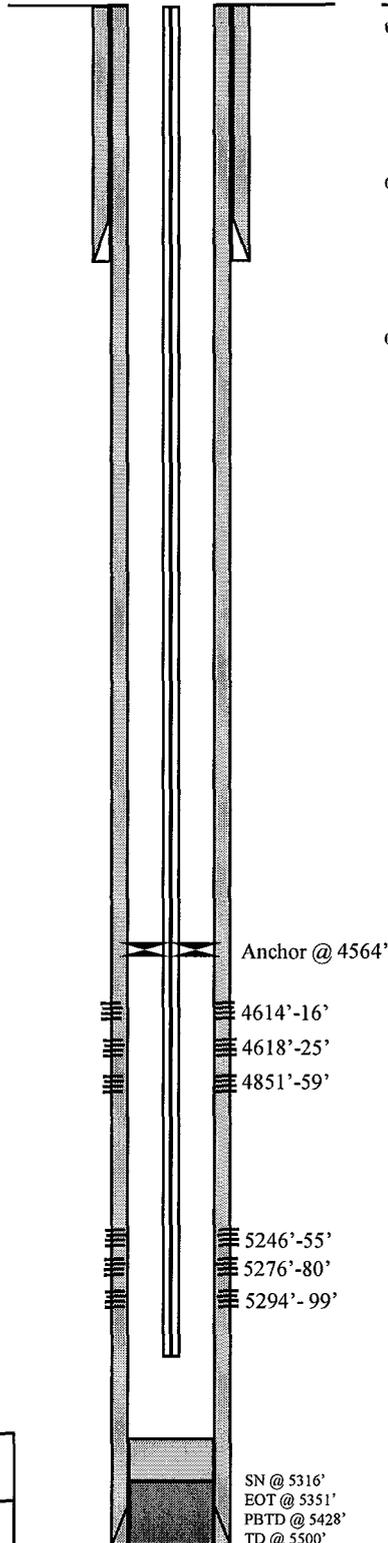
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts  
 TUBING ANCHOR: 5223'  
 TOTAL STRING LENGTH: (EOT @ 5351')  
 SN LANDED AT: 5316'

## SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: HRI/SP/GR/CAL (5482'-307')  
 DSN/SDL/GR (5450'-3000')

Proposed Injection  
 Wellbore Diagram



## FRAC JOB

03/03/98 5246'-5299' **Frac CP sand as follows:**  
 Frac w/120,000# 20/40 sand in 577 bbls of Delta Frac. Breakdown perms @ 2636 psi. Treated w/avg press of 1800 psi w/avg rate of 30.5 BPM. ISIP-1932 psi, 5 min 1748 psi. Flowback on 12/64" ck for 6 hrs & died.

03/06/98 4851'-4859' **Frac A sand as follows:**  
 Frac w/120,300# 20/40 sand in 595 bbls Delta Frac. Breakdown perms @ 3011 psi. Treated w/avg press of 3150 psi w/avg rate of 28.9 BPM. ISIP-3249 psi, 5 min 3117 psi. Flowback on 12/64" ck for 5-1/2 hrs & died.

03/08/98 4614'-4625' **Frac sand as follows:**  
 Frac w/ 120,300# 20/40 sand in 560 bbls Delta Frac. Breakdown perms @ 2892 psi. Treated w/avg press of 1436 psi, w/avg rate of 26 BPM. ISIP-1855 psi, 5 min 1669 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.

## PERFORATION RECORD

Date	Interval	SPF	Holes
03/01/98	5246'-5255'	4 JSPF	36 holes
03/01/98	5276'-5280'	4 JSPF	16 holes
03/01/98	5294'-5299'	4 JSPF	20 holes
03/04/98	4851'-4859'	4 JSPF	32 holes
03/07/98	4614'-4616'	4 JSPF	16 holes
03/07/98	4618'-4625'	4 JSPF	28 holes

SN @ 5316'  
 EOT @ 5351'  
 PBTD @ 5428'  
 TD @ 5500'



**Inland Resources Inc.**  
**S. Pleasant Valley #11-15**  
 1980 FSL 1980 FWL  
 NESW Section 15-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31991; Lease #U-74805

## 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 S. Pleasant Valley #11-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Lone Tree Unit (proposed).

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

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

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

The injection zone is in the Douglas Creek Member of the Green River Formation. At the S. Pleasant Valley #11-15 well, the proposed injection zone is from 4614'-5299'. 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 4614'.

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

The referenced log for the S. Pleasant Valley #11-15 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a <sup>Federal</sup>~~State~~ lease (Lease #U-74805), in the Monument Butte (Green River) Field, Lone Tree Unit (proposed), 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 309' GL, and the 5-1/2" casing run from surface to 5488' 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 1822 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 S. Pleasant Valley #11-15, for proposed zones (4614' – 5299') calculates at .83 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 1822 psig. See Attachment G through G-3.

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

In the S. Pleasant Valley #11-15, the injection zone (4614'-5299') 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-8.

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.

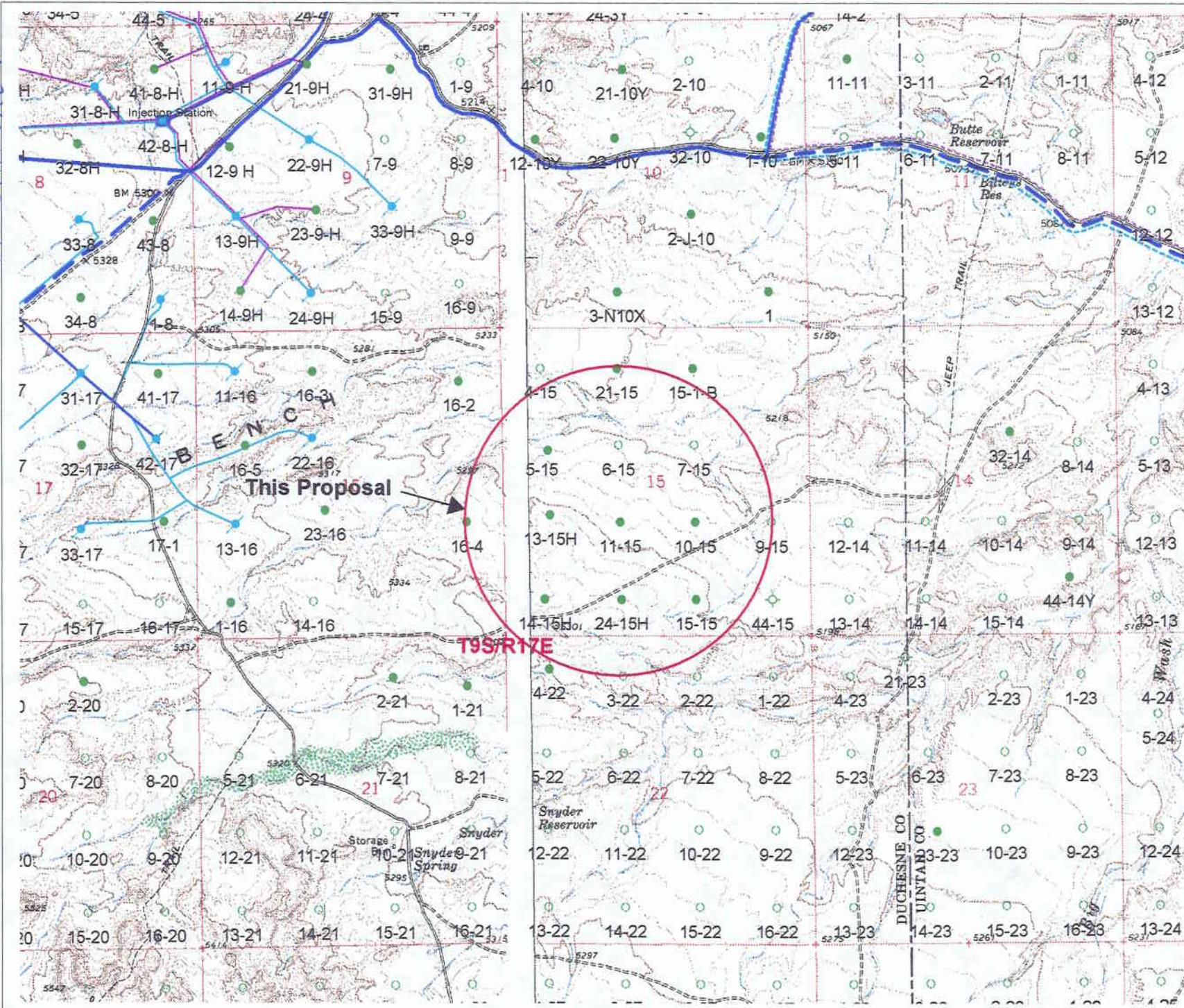
**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

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



This Proposal

T9SR17E

Exhibit "A"



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

**Inland**  
 11' OF PLAIN COPY FROM  
 DEWEE, COLORED, 2002  
 FROM 1306/2002/09

**UNITA HARIN**  
 DeWane & Clark Consulting, Inc.

DATE: 11/14/05

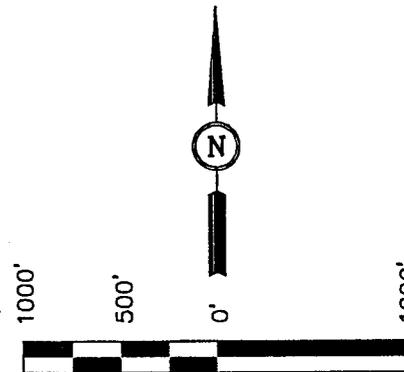
INLAND PRODUCTION CO.

Well location, S. PLEASANT VALLEY #11-15, located in the NE 1/4 SW 1/4 of Section 15, T9S, R17E, S.L.B.&M. Duchesne County, Utah.

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

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 15, T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5233 FEET.



SCALE

CERTIFICATE

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

*Robert L. Hays*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 9-26-97	DATE DRAWN: 10-2-97
PARTY D.A. K.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO.	

LEGEND:

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

1310  
Brass Cap,  
Pile of Stones

N00°02'W - G.L.O. (Basis of Bearings)  
2638.66' (Measured)

S89°57'12"E 2640.44' (Meas.)

S89°57'11"E 2641.00' (Meas.)

1910  
Brass Cap,  
Pile of Stones

Brass Cap

5288.07' (Meas.)

15

1910  
Brass Cap

1980'

S. PLEASANT VALLEY #11-15  
 Elev. Ungraded Ground = 5241'

2645.59' (Meas.)

N00°06'51"W

N00°00'57"E

1980'

1910  
Brass Cap,  
Pile of Stones

1910  
Brass Cap

1910  
Brass Cap,  
Pile of Stones

S89°52'14"E 2653.25' (Meas.)

S89°57'13"E 2637.92' (Meas.)

Attachment A-1

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 17 East Section 15: NW/4, SENE, S/2	UTU-74805 HBP	Inland Production Company Key Production Company	(Surface Rights) USA
2	Township 9 South, Range 17 East Section 19: All Section 20: W/2, SE/4, W/2NE/4, SE/4NE/4 Section 21: S/2, NE/4, S/2NW/4 Section 22: N/2, SW/4, N/2SE/4, SW/4SE/4	UTU-13905 HBP	Inland Production Company Key Production Company	(Surface Rights) USA

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3	Township 9 South, Range 17 East Section 16: E/2, E/2W/2, SW/4NW/4, NW/4SW/4,	ML-3453B HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Myco Industries Yates Drilling Company	(Surface Rights) <del>USA</del> STATE (SITLA)

Attachment B  
(Pg 2 of 2)

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
S. Pleasant Federal #11-15

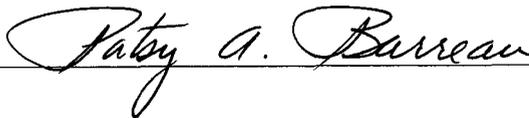
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:

  
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 24<sup>th</sup> day of March, 1998.

Notary Public in and for the State of Colorado:





My Commission Expires 11/14/2000

# S. Pleasant Valley #11-15

Spud Date: 1/26/98  
 Put on Production: 3/11/98  
 GL: 5240' KB: 5250'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 128 jts. (5474')  
 DEPTH LANDED: 5488'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 260 sxs Hifill and 210 sxs Thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts  
 TUBING ANCHOR: 5223'  
 TOTAL STRING LENGTH: (EOT @ 5351')  
 SN LANDED AT: 5316'

**SUCKER RODS**

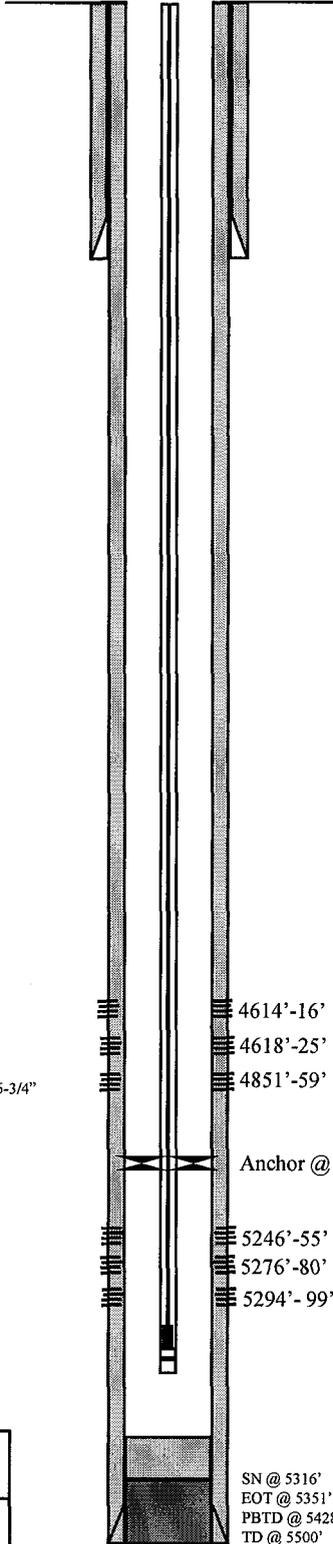
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 3-11/2" wt rods, 4-3/4" scraped, 108-3/4" plain, 96-3/4" scraped, 1-8", 1-2"x3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 56"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: HRI/SP/GR/CAL (5482'-307')  
 DSN/SDL/GR (5450'-3000')

**FRAC JOB**

03/03/98 5246'-5299' **Frac CP sand as follows:**  
 Frac w/120,000# 20/40 sand in 577 bbls of Delta Frac. Breakdown perfs @ 2636 psi. Treated w/avg press of 1800 psi w/avg rate of 30.5 BPM. ISIP-1932 psi, 5 min 1748 psi. Flowback on 12/64" ck for 6 hrs & died.

03/06/98 4851'-4859' **Frac A sand as follows:**  
 Frac w/120,300# 20/40 sand in 595 bbls Delta Frac. Breakdown perfs @ 3011 psi. Treated w/avg press of 3150 psi w/avg rate of 28.9 BPM. ISIP-3249 psi, 5 min 3117 psi. Flowback on 12/64" ck for 5-1/2 hrs & died.

03/08/98 4614'-4625' **Frac sand as follows:**  
 Frac w/ 120,300# 20/40 sand in 560 bbls Delta Frac. Breakdown perfs @ 2892 psi. Treated w/avg press of 1436 psi, w/avg rate of 26 BPM. ISIP-1855 psi, 5 min 1669 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.



**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Number of Holes
03/01/98	5246'-5255'	4 JSPF	36 holes
03/01/98	5276'-5280'	4 JSPF	16 holes
03/01/98	5294'-5299'	4 JSPF	20 holes
03/04/98	4851'-4859'	4 JSPF	32 holes
03/07/98	4614'-4616'	4 JSPF	16 holes
03/07/98	4618'-4625'	4 JSPF	28 holes

SN @ 5316'  
 EOT @ 5351'  
 PBTD @ 5428'  
 TD @ 5500'



**Inland Resources Inc.**

**S. Pleasant Valley #11-15**

1980 FSL 1980 FWL  
 NESW Section 15-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31991; Lease #U-74805

# South Pleasant Valley #5-15

Spud Date: 2/12/98

Put on Production:

GL: 5213' KB:

Initial Production: BOPD,  
MCFPD, BWPD

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 ST&C

WEIGHT: 24#

LENGTH: 7 jts. (291')

DEPTH LANDED: 306'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sxs Premium Plus w/2% CC & 1/2#/sx flocele

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5#

LENGTH: 5506'

DEPTH LANDED: 5519'

HOLE SIZE: 7-7/8"

CEMENT DATA: 265 sxs Hibond 65 Modified tail w/185 sxs  
Thixotropic & 10% Calseal

CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.:

NO. OF JOINTS:

TUBING ANCHOR:

TOTAL STRING LENGTH:

SN LANDED AT:

SUCKER RODS

POLISHED ROD:

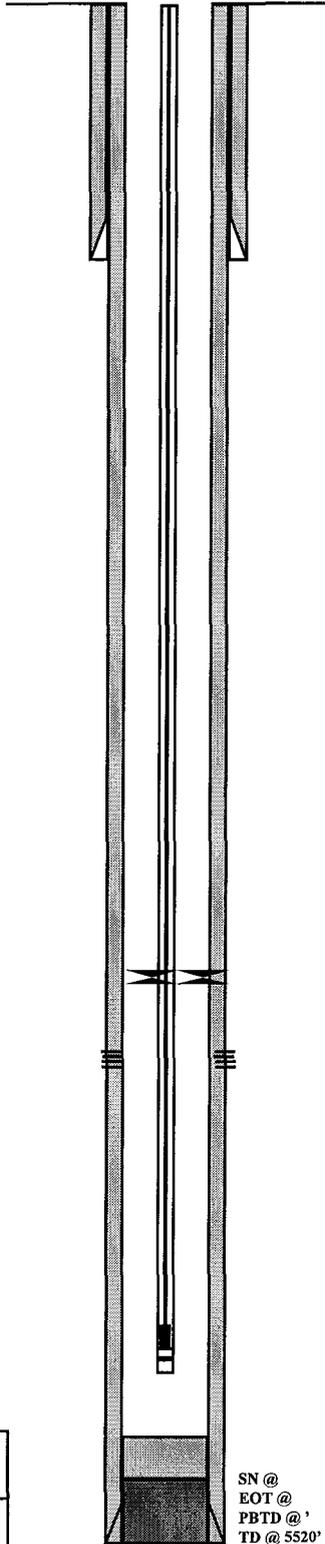
SUCKER RODS:

PUMP SIZE:

STROKE LENGTH:

PUMP SPEED:

LOGS: DIGL/SP/GR/CAL, DSN/SDL/GR



PERFORATION RECORD

SN @  
EOT @  
PBTD @ '  
TD @ 5520'



**Inland Resources Inc.**

**South Pleasant Valley #5-15**

2069' FNL & 759' FWL

SWNW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31886; Lease #U-74805

# Federal #13-15H

Spud Date: 10/16/97  
 Put on Production: 4/08/97  
 GL: 5260' KB: 5273'

Initial Production: 77 BOPD, 0  
 MCFPD, 164 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH:  
 DEPTH LANDED: 415'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 js. (5698')  
 DEPTH LANDED: 5698'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic  
 CEMENT TOP AT: 700' per CBL

**TUBING**

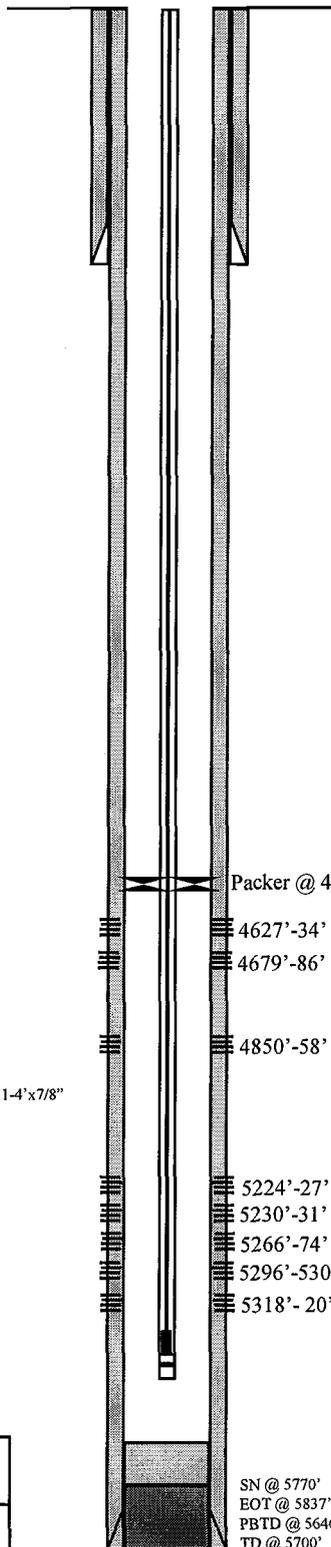
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 171 js  
 TUBING ANCHOR: 4592'  
 TOTAL STRING LENGTH: 5321'  
 SN LANDED AT: 5321'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 9 sinker bars, 97-7/8" rods, 105-3/4" rods, 1-8", 1-6", 1-4" x 7/8"  
 pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHBC  
 STROKE LENGTH: ?  
 PUMP SPEED, SPM: ? SPM  
 LOGS: DLL w/GR & SP (5660'-2750')  
       SDLT/DNS (5660'-2750')  
       CBL w/GR & CCL (5262'-6')

**FRAC JOB**

03/13/97 5224'-5320' **Frac sand as follows:**  
 Frac w/942 bbls of fluid and 203,500#  
 20/40 sand. Treated w/avg rate of 50.2  
 BPM w/avg press of 1800 psi. ISIP-1577  
 psi.  
 03/17/97 4850'-4858' **Frac sand as follows:**  
 466 bbls of fluid and 86,100# 20/40 sand.  
 Treated w/avg rate of 20.7 BPM w/avg  
 press of 1850 psi. ISIP-1864 psi.  
 03/19/97 4627'-4686' **Frac sand as follows:**  
 601 bbls of fluid and 130,600# 20/40  
 sand. Treated w/avg rate of 40 BPM  
 w/avg press of 1950 psi. ISIP-1884 psi.



**PERFORATION RECORD**

Date	Interval	SPF	Holes
03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 holes
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'		
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes

SN @ 5770'  
 EOT @ 5837'  
 PBTD @ 5646'  
 TD @ 5700'



**Inland Resources Inc.**

**Federal #13-15H**

1980 FSL 660 FWL  
 NWSW Section 6-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31698; Lease #U-74805

# South Pleasant Valley 10-15

Spud Date: 2/20/98  
 Put on Production:  
 GL: 5226' KB:

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55 LT&C  
 WEIGHT: 15.5#  
 LENGTH: 7 jts (291')  
 DEPTH LANDED: 307'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 280 sxs Hibond 65 Mod & 215 sx Thixotropic & 10% Calseal

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55 LT&C  
 WEIGHT: 15.5  
 LENGTH: 128 jts (5469')  
 DEPTH LANDED: 5484'  
 HOLE SIZE: 4-7/8"  
 CEMENT DATA: 280 sxs Hibond 65 Modified tail w/215 sxs Thixotropic & 10% Calseal

TUBING

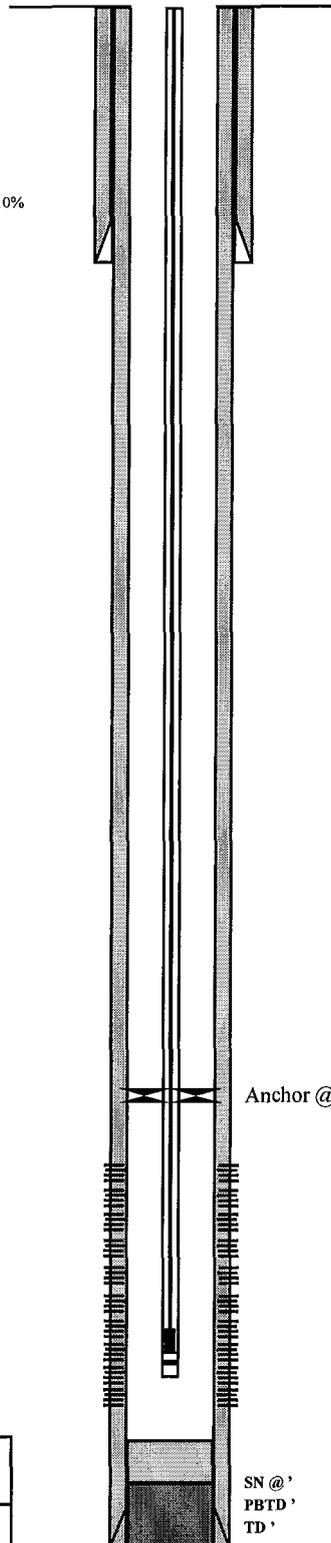
SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

ROD STRING

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 LOGS: DIGL/SP/GR/CAL (5458'-306')  
 DSN/SDL/GR (5426'-3000')

FRAC JOB

DATE	DEPTHS'



PERFORATION RECORD

	<b>Inland Resources Inc.</b>
	SOUTH PLEASANT VALLEY 10-15
	1980' FSL and 1980' FEL
	NWSE Section 18-T9S-R16E
	Duchesne Co, Utah
API #43-013-32022; Lease #U-74805	

SN @ '  
 PBTD '  
 TD '

# Federal #14-15H

Spud Date: 1/08/97  
 Put on Production: 3/06/97  
 GL: 5282' KB: 5295'

Initial Production: 132 BOPD,  
 100 MCFPD, 35 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55 ST&C  
 WEIGHT: 24#  
 LENGTH: 10 jts. (400')  
 DEPTH LANDED: 400'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 290 sxs Premium w/2% CaCl<sub>2</sub>

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55 LT&C  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5700')  
 DEPTH LANDED: 5700'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 260 sxs Mod Hi-fill. Tail w/170 sxs Prem neat  
 CEMENT TOP AT: 750' est

**TUBING**

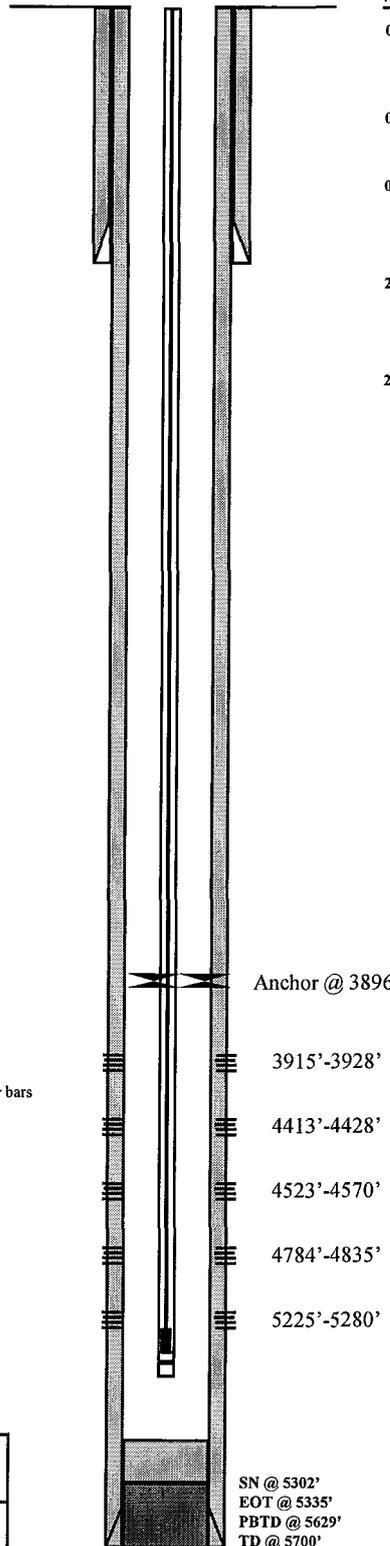
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts  
 TUBING ANCHOR: 3896'  
 TOTAL STRING LENGTH: 5335'  
 SN LANDED AT: 5302'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 92 - 7/8" rods (scrapered), 110 - 3/4" rods, 9 - sinker bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 15" RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM: SPM  
 LOGS: DLL/GR/SP, SDLTL, DSN, CBL/GR/CCL

**FRAC JOB**

02/23/97	3915'-3928'	529 bbls fluid and 99,200# 20/40 ss w/3 radioactive tracers @ 20 BPM (1750 psi). ISIP-1943 psi. Flowed back 77 bbls fluid in 2-1/2 hrs.
02/20/97	4413'-4428'	529 bbls fluid and 99,200# 20/40 ss @ 20 BPM (1750 psi). ISIP-2009. Immed flow back of 82 bbls fluid.
02/18/97	4523'-4570'	455 bbls fluid and 85,400# 20/40 ss @ 24.5 BPM (1960 psi). ISIP-1822 psi. Flowed back 121 bbls fluid in 4 hrs.
2/15/97	4784'-4835'	817 bbls fluid and 156,000# 20/40 ss @ 35.8 BPM (1950 psi). ISIP 2150. Flowed back 175 bbls fluid in 4 hrs.
2/13/97	5225'-5235'	524 bbls fluid and 94,300# 20/40 ss @ 32.5 BPM (2419 psi). ISIP 1750. Immed flowed back 400 bbls fluid in 3-1/2 hrs.



**PERFORATION RECORD**

"A" Sand	3915'-3928'	52 Holes
"DC4"	4413'-4428'	60 Holes
"DC5 & D"	4523'-4570'	48 Holes
"Ee"	4784'-4835'	132 Holes
"F2"	5225'-5280'	64 Holes

SN @ 5302'  
 EOT @ 5335'  
 PBTD @ 5629'  
 TD @ 5700'

cee



**Inland Resources Inc.**

**Federal #14-15H**

660' FSL & 660' FWL

SWSW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31695; Lease #U-74805

# South Pleasant Valley 15-15

Spud Date: 2/5/98  
 Put on Production: 3/11/98  
 GL: 5257' KB: 5272'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55 ST&C  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium Plus w/2% CC, 1/2#/sx Flocele

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55 ST&C  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5493')  
 DEPTH LANDED: 5474'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 305sxs Hibond 65 Modified, tail w/225 sxs Thixotropic & 10% calseal

**TUBING**

SIZE/GRADE/WT.: 2-7/8"  
 NO. OF JOINTS: 171'  
 TUBING ANCHOR: 5244'  
 TOTAL STRING LENGTH: 5346'  
 SN LANDED AT: 5309'

**ROD STRING**

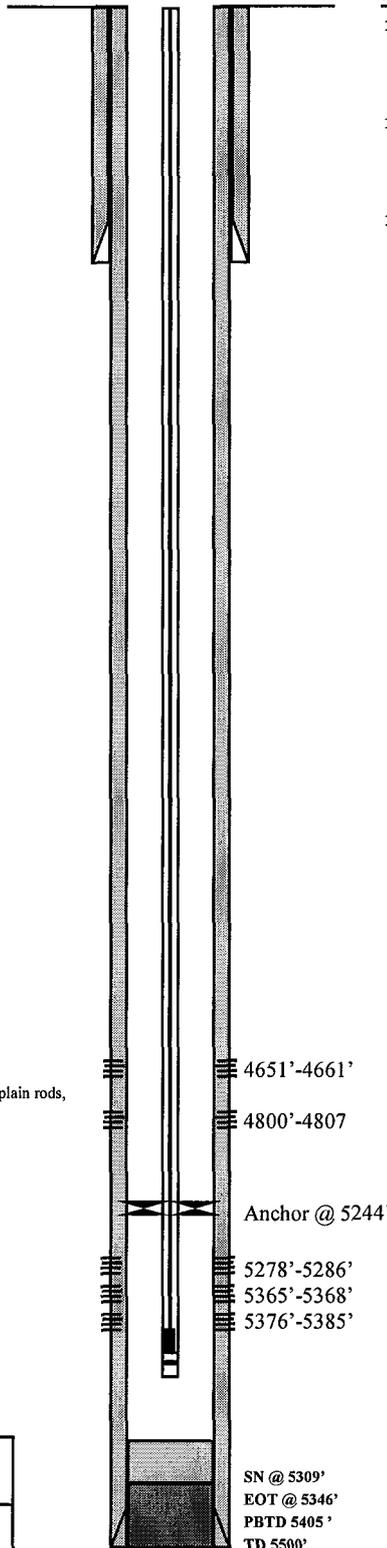
POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 4 - 1-1/2" weight rods, 4 - 3/4" scraped, 108 3/4" plain rods, 95 - 3/4" scraped rods, 1 - 2 x 3/4" pony rod  
 PUMP: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 68" 6 SPM  
 LOGS: DIGL/SP/GR/CAL (5482'-307')  
 DSN/SDL/GR (5452'-3000')

**FRAC JOB**

3/3/98	5278'-5286' 5365'-5368' 5376'-5385'	127,400# 20/40 sd in 613 bbl Delta frac. Treated @ avg press of 1550 @ 30.5 BPM. ISIP 1540. Flowback on 12/64 choke for 3 hrs and died.
3/6/98	4800'-4807'	120,400# 20/40 sd in 556 bbls Delta frac. Treated @ avg press of 280 @ 27 BPM. ISIP 2481. Flowback on 12/64 choke for 3-1/2 hrs and died.
3/7/98	4651'-4661'	120,300# 20/40 sd in 562 bbl Delta frac. Treated @ avg press of 1480 @ 26.2 BPM. ISIP 1860. Flowback on 12/64 choke for 4 hrs and died.

**PERFORATION RECORD**

B Sands	4651'-4661'	4 JSPF
A Sands	4800'-4807'	4 JSPF
CP Sands	5278'-5286' 5365'-5368' 5376'-5385'	4 JSPF



SN @ 5309'  
 EOT @ 5346'  
 PBTD 5405'  
 TD 5500'



**Inland Resources Inc.**

South Pleasant Valley 15-15  
 660' FSL and 1980' FWL  
 SWSE Section 18-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31992; Lease #U-74805

# Federal #21-15H

Spud Date: 7/07/82  
 Put on Production: 12/01/82  
 GL: 5197' KB: 5211'

Initial Production: 47 BOPD,  
 15 MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
 GRADE: K-55 ST&C  
 WEIGHT: 36#  
 LENGTH: 12 jts. (500')  
 DEPTH LANDED: 500'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: N-80 LT&C  
 WEIGHT: 17#  
 LENGTH: 148 jts. (5961')  
 DEPTH LANDED: 5961'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 175 sxs BJ lite, tail w/750 sxs BJ 50-50 poz mix

**TUBING**

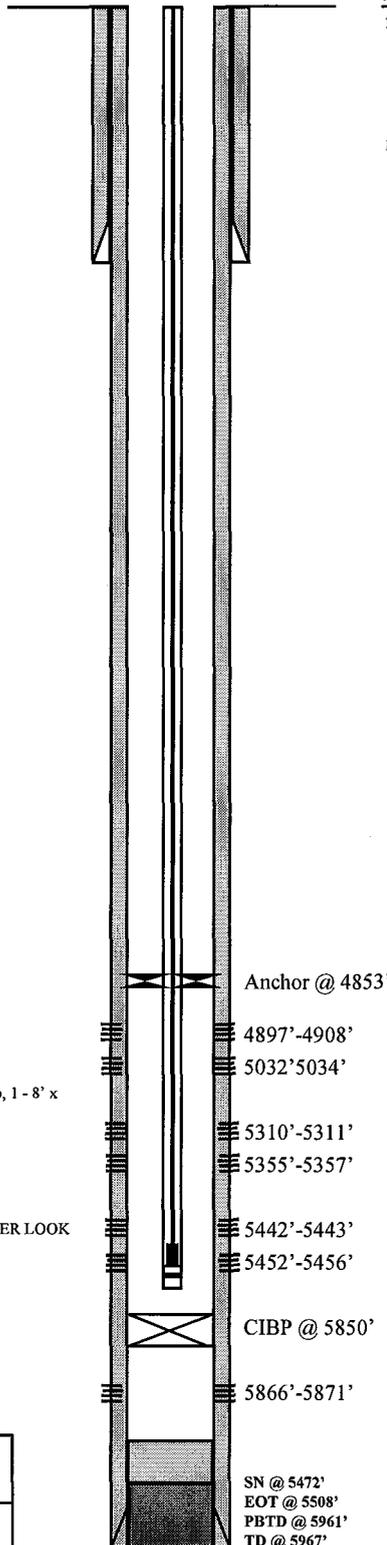
SIZE/GRADE/WT.: 2-7/8" / J-55/ 6.5# EUE  
 NO. OF JOINTS: 170 jts  
 TUBING ANCHOR: 4853'  
 TOTAL STRING LENGTH: 5508'  
 SN LANDED AT: 5472'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 100 - 7/8" rods, 108 - 3/4" rods, 9 - 1 - 6' x 7/8" sub, 1 - 8' x 7/8" sub, 9 - 150# sinker bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' Axelson  
 STROKE LENGTH:  
 PUMP SPEED, SPM: SPM  
 LOGS: DLL/GR/SP, FDC/CNL/GR/CAL, PROX MICROLOG, CYBER LOOK

**FRAC JOB**

12/07/82	5310'-5311'	20,000 gal gelled wtr and 44,000# 20/40 ss
	5355'-5357'	
	5442'-5443'	
	5452'-5456'	
12/07/82	4897'-4908'	22,500 gal gelled wtr and 84,000# 20/40 ss
	5032'-5034'	



**PERFORATION RECORD**

4897'-4908'	10 Holes
5032'-5034'	5 Holes
5310'-5311'	2 Holes
5355'-5357'	3 Holes
5442'-5443'	2 Holes
5452'-5456'	5 Holes
5866'-5871'	16 Holes



**Inland Resources Inc.**

**Federal #21-15H**

1981' FSL & 660' FWL  
 NENW Section 15-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30614; Lease #U-11385

# Federal #24-15H

Spud Date: 9/11/82  
 Put on Production: 12/08/82  
 GL: 5282' KB: 5296'

Initial Production: 100 BOPD,  
 115 MCFPD, 3.3 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
 GRADE: k-55 ST&C  
 WEIGHT: 36#  
 LENGTH: 7 jts. (315')  
 DEPTH LANDED: 315'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 130 sxs

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: N-80 LT&C  
 WEIGHT: 17# and 20#  
 LENGTH: 115 jts (1411') and 115 jts (4539')  
 DEPTH LANDED: 5952'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 80 sxs Diamix "F" Tail w/685 sxs Ideal 50/50  
 TOP OF CEMENT: 2570' est

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 165 jts  
 TUBING ANCHOR: 3914'  
 TOTAL STRING LENGTH: 5821'  
 SN LANDED AT: 5249'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 99 - 7/8" rods (scrapered), 97 - 3/4" rods (slick), 5 - 3/4" rods (scrapered), 9 sinker bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM: SPM  
 LOGS: DIL/GR/SP, FDC/CNL/GR/CAL, PROX MICRO LOG

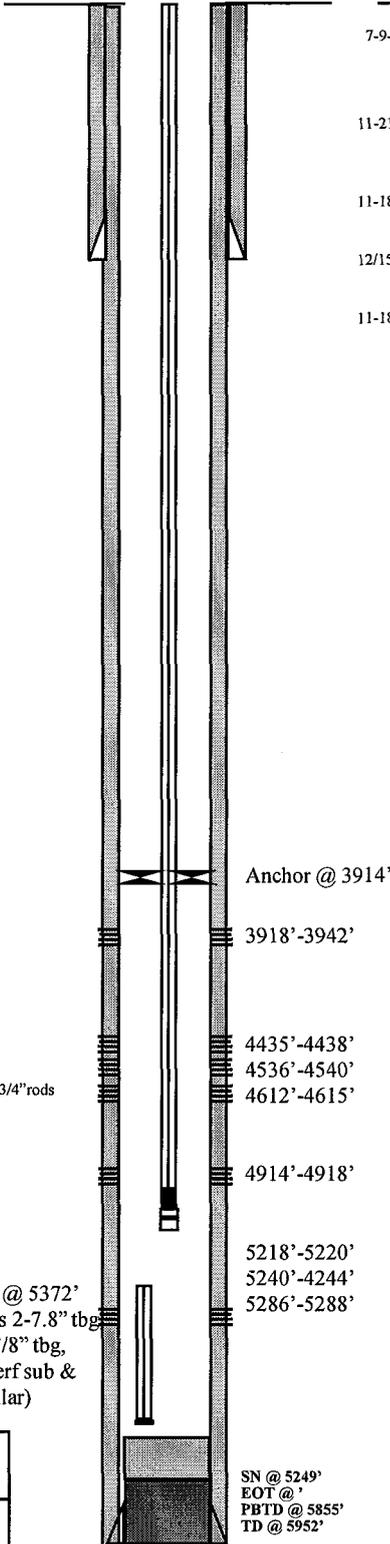
Top of fish @ 5372'  
 (Fish is 9 jts 2-7.8" tbgs  
 SN, 1 jt 2-7/8" tbgs,  
 3' 2-7/8" perf sub &  
 notched collar)

**FRAC JOB**

7-9-96	3918'-3942'	22,722 gal gel & 69,000# 16/30 ss @ 35.2 BPM (2000 psi). ISIP 2200. Flowed back 3 hrs.
11-21-82	4435'-4438' 4536'-4540' 4612'-4615'	36,080 gals fluid & 108,000 20/40 ss @ 30 BPM (2190 psi). ISIP 1790. Flowed back 60 bbls fluid in 1-1/2 hrs
11-18-82	4914'-4918'	31,050 gal fluid & 60,500 @ 20/40 ss @ 15 BPM (2397 psi). ISIP 2370. Flowed back 159 bbls in 4 hrs.
12/15/82	4914'-4918'	31,050 gals gelled wrt & 60,500 20/40 ss.
11-18-82	5218'-5220' 5240'-5244' 5286'-5288'	25,400 gal fluid & 64,000 # 20/40 ss @ 30 BPM (2194 psi). ISIP 1550. Flowed back 150 bbls in 3-1/2 hrs then died.

**PERFORATION RECORD**

4435'-4438'	1 SPF	4 Holes
4536'-4540'		5 Holes
4612'-4615'		4 Holes
4914'-4918'	3 SPF	13 Holes
5218'-5220'	1 SPF	3 Holes
5240'-4244'	1 SPF	5 Holes
5286'-5288'	1 SPF	3 Holes



Anchor @ 3914'

3918'-3942'

4435'-4438'

4536'-4540'

4612'-4615'

4914'-4918'

5218'-5220'

5240'-4244'

5286'-5288'

SN @ 5249'  
 EOT @ '  
 PBTB @ 5855'  
 TD @ 5952'



**Inland Resources Inc.**

**Federal #24-15H**

659' FSL & 1980' FWL

SWSW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-30681; Lease #U-10760

# K. Jorgenson State 16-4

Spud Date: 6/25/81  
 Put on Production: 10-21-81  
 GL: 5277' KB: 5289'

Initial Production: 12 BOPD,  
 0 MCFPD, 3 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE:  
 WEIGHT:  
 DEPTH LANDED: 261'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 428 sxs Class "G"

**PRODUCTION CASING**

CSG SIZE: 5-1/2" & 4-1/2"  
 GRADE:  
 WEIGHT: 15.5#  
 LENGTH:  
 DEPTH LANDED: 3013' & 5750'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 855 sxs 50/50 Type 5W

**TUBING**

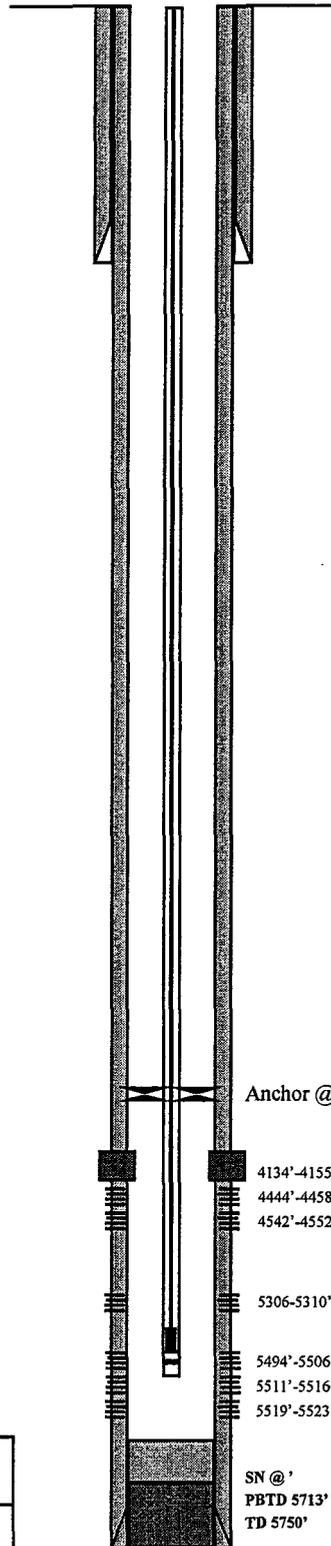
SIZE/GRADE/WT.: 2-3/8" / 11.6#  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 TOTAL STRING LENGTH: 4049'  
 SN LANDED AT:

**ROD STRING**

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 LOGS: DIPL, DNDR, CBL

**FRAC JOB**

10/81	4134'-4552'	16,168# 20/40 sd and 45,000 10/20# sd. 196 bbls diesel, 90 bbls flush.
06/84	5494'-5523'	390 sxs 20/40 sd and gel wtr
	5306'-5310'	200 sxs 20/40 sd and gel wtr
	4134'-4552'	1500 sxs 20/40 sd and gel wtr,



**PERFORATION RECORD**

6/84	5306'-5310'	2 SPF	
06/84	5494'-5506'	2 SPF	
	5511'-5516'	2 SPF	
	5519'-5523'	2 SPF	
10/81	4134'-4155'	2 SPF	Cement Squeezed 6/84
	4444'-4458'	2 SPF	
	4542'-4552'	2 SPF	



**Inland Resources Inc.**  
 K. Jorgenson State 16-4  
 660' FEL and 1984' FSL  
 NESE Section 16-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30572; Lease #ML-3453B

Attachment F

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

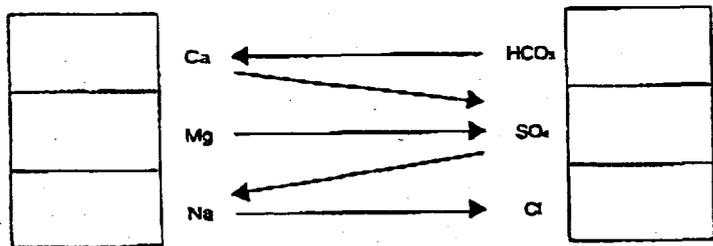
## WATER ANALYSIS REPORT

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

	Analysis	mg/l(ppm)	*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			

\*Mill equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equlv. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	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	58.46	<u>1</u>			<u>59</u>

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

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

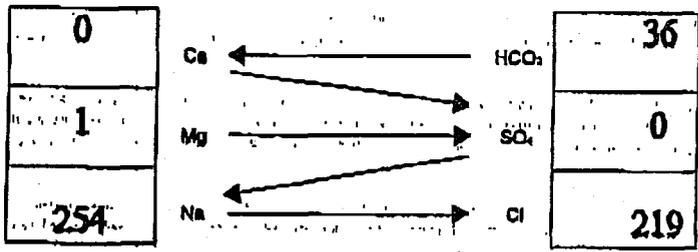
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 04-08-98  
Source SPV 11-15-9-17 TR Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

Analysis	mg/l(ppm)	*Meg/l
1. PH	8.6	
2. H <sub>2</sub> S (Qualitative)	15	
3. Specific Gravity	1.017	
4. Dissolved Solids	15,816	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub> 0	+ 30 0
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> 2,200	+ 61 36
7. Hydroxyl (OH)	OH 0	+ 17 0
8. Chlorides (Cl)	Cl 7,800	+ 35.5 219
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> 0	+ 48 0
10. Calcium (Ca)	Ca 6	+ 20 0
11. Magnesium (Mg)	Mg 10	+ 12.2 1
12. Total Hardness (CaCO <sub>3</sub> )	58	
13. Total Iron (Fe)	2.0	
14. Manganese	0.1	
16. 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				
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	1			73
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00	35			2,940
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	219			12,803

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,080 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

435 722 5727

Attachment F-2

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

04-13-98

WATER DESCRIPTION:	JOHNSON WATER	SPV 11-15-9-17 TR
P-ALK AS PPM CaCO <sub>3</sub>	0	0
M-ALK AS PPM CaCO <sub>3</sub>	492	3608
SULFATE AS PPM SO <sub>4</sub>	110	0
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO <sub>3</sub>	0	0
CALCIUM AS PPM CaCO <sub>3</sub>	110	15
MAGNESIUM AS PPM CaCO <sub>3</sub>	90	41
SODIUM AS PPM Na	92	5842
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	15816
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.6

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND SPV 11-15-9-17 TR  
 CONDITIONS: TEMP.=150 AND pH=7.8  
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.13	34	0	0	0
90	1.25	32	0	0	0
80	1.30	30	0	0	0
70	1.30	27	0	0	0
60	1.29	23	0	0	0
50	1.24	20	0	0	0
40	1.18	17	0	0	0
30	1.10	13	0	0	0
20	.99	10	0	0	0
10	.86	7	0	0	0
0	.66	4	0	0	0

**Attachment G**

**S. Pleasant Valley #11-15  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5246	5299	5273	1932	0.80	1914
4851	4859	4855	3249	1.10	3225
4614	4625	4620	1855	0.83	1822
				<b>Minimum</b>	<u>1822</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** S. Pleasant Valley 11-15 **Report Date** 3/3/98 **Completion Day** 3  
**Present Operation** Perf A sds. **Rig** Flint #1497

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 309' KB **Liner** @ **Prod Csg** 5-1/2 @ 5488 **Csg PBDT** 5428  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT @**  **BP/Sand PBDT:**

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	5246-55'	4/36			
CP	5276-80'	4/16			
CP	5294-99'	4/20			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 3/2/98 **SITP:** 100 **SICP:** 100

Bleed gas off well. IFL @ 5100'. Made 1 swab run, rec 1 BTF w/tr oil. FFL @ 5200'. TOH w/tbg. NU isolation tool. RU Halliburton & frac CP sds w/120,300# 20/40 sd in 577 bbls Delta Frac. Perfs broke dn @ 2636 psi. Treated @ ave press of 1800 psi w/ave rate of 30.5 BPM. ISIP: 1932 psi, 5 min: 1748 psi. Flowback on 12/64 choke for 6 hrs & died. Rec 178 BTF (est 31% of load). SIFN w/est 399 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>577</u>	<b>Starting oil rec to date</b>	<u>0</u>
<b>Fluid lost/recovered today</b>	<u>178</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>399</u>	<b>Cum oil recovered</b>	<u>0</u>
<b>IFL</b> <u>5100</u> <b>FFL</b> <u>5200</u> <b>FTP</b> <u></u>		<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> <u></u>	<b>Final oil cut</b> <u>Tr.</u>

**STIMULATION DETAIL**

**Base Fluid used:** Delta Frac **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:**   
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
9000 gal w/6-8 ppg of 20/40 sd  
6063 gal w/8-10 ppg of 20/40 sd  
Flush w/5175 gal of 10# Linear gel.

**COSTS**

Flint Rig	678
BOP	135
Tanks	30
Wtr	800
HO Trk	720
Frac	23,157
Flowback - super	240
IPC Supervision	200

**Max TP** 2636 **Max Rate** 31.2 **Total fluid pmpd:** 577 bbls  
**Avg TP** 1800 **Avg Rate** 30.5 **Total Prop pmpd:** 120,300#  
**ISIP** 1932 **5 min** 1748 **10 min**  **15 min**   
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$25,960  
**TOTAL WELL COST:** \$206,847



**DAILY COMPLETION REPORT**

**WELL NAME** S. Pleasant Valley 11-15 **Report Date** 3/6/98 **Completion Day** 6  
**Present Operation** Perf B sds. **Rig** Flint #1497

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 309' **KB** Liner @ Prod Csg 5-1/2 @ 5488 **Csg PBDT** 5425  
**Tbg:** Size 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT** @ BP/Sand PBDT: 4995

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A	4851-59'	4/32			
CP	5246-55'	4/36			
CP	5276-80'	4/16			
CP	5294-99'	4/20			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 3/5/98 **SITP:** 0 **SICP:** 0

IFL @ 800'. Made 11 swab runs, rec 80 BTF w/tr oil. FFL - 2 runs @ 4100'. TOH w/tbg. NU isolation tool. RU Halliburton & refrac A sds w/120,300# 20/40 sd in 595 bbls Delta Frac. Perfs broke back @ 3011 psi @ 6 BPM. Treated @ ave press of 3150 psi w/ave rate of 28.9 BPM. ISIP: 3249 psi, 5 min: 3117 psi. Flowback on 12/64 choke for 5-1/2 hrs & died. Rec 177 BTF (est 30% of load). SIFN w/est 741 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>403</u>	<b>Starting oil rec to date</b>	<u>2</u>
<b>Fluid lost/recovered today</b>	<u>338</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>741</u>	<b>Cum oil recovered</b>	<u>2</u>
<b>IFL</b> <u>800</u> <b>FFL</b> <u>4100</u> <b>FTP</b>		<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b>	<b>Final oil cut</b> <u>Tr.</u>

**STIMULATION DETAIL**

**Base Fluid used:** Delta Frac **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:**  
3000 gal of pad.  
1000 gal w/1-6 ppg of 20/40 sd  
9000 gal w/6-8 ppg of 20/40 sd  
6692 gal w/8-10 ppg of 20/40 sd  
Flush w/4787 gal of 10# Linear gel

**COSTS**

Flint Rig	<u>1,190</u>
BOP	<u>135</u>
Tanks	<u>30</u>
Wtr	<u>250</u>
HO Trk	<u>530</u>
Frac	<u>23,286</u>
Flowback - super	<u>220</u>
IPC Supervision	<u>200</u>

**Max TP** 3380 **Max Rate** 30 **Total fluid pmpd:** 595 bbls  
**Avg TP** 3150 **Avg Rate** 28.9 **Total Prop pmpd:** 120,300#  
**ISIP** 3249 **5 min** 3117 **10 min** 15 min  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$25,841  
**TOTAL WELL COST:** \$240,425



**DAILY COMPLETION REPORT**

**WELL NAME** S. Pleasant Valley 11-15 **Report Date** 3/8/98 **Completion Day** 8  
**Present Operation** Pull plug. CO PBTD. Swab well. **Rig** Flint #1497

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 309' KB **Liner** \_\_\_\_\_ **@** \_\_\_\_\_ **Prod Csg** 5-1/2 @ 5488 **Csg PBTD** 5425  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT @** \_\_\_\_\_ **BP/Sand PBTD:** 4725

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B	4614-16'	4/8	CP	5294-99'	4/20
B	4618-25'	4/28			
A	4851-59'	4/32			
CP	5246-55'	4/36			
CP	5276-80'	4/16			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 3/7/98 **SITP:** 0 **SICP:** 0

IFL @ 4200'. Made 4 swab runs, rec 8 BTF w/tr oil. FFL @ 4600'. TOH w/tbg. NU isolation tool. RU Halliburton & frac B sds w/120,300# 20/40 sd in 560 bbls Delta Frac. Perfs broke dn @ 2892 psi. Treated @ ave press of 1436 psi w/ave rate of 26 BPM. ISIP: 1855 psi, 5 min: 1669 psi. Flowback on 12/64 choke for 4-1/2 hrs & died. Rec 208 BTF (est 37% of load). SIFN w/est 992 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>648</u>	<b>Starting oil rec to date</b>	<u>2</u>
<b>Fluid lost/recovered today</b>	<u>344</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>992</u>	<b>Cum oil recovered</b>	<u>2</u>
<b>IFL</b> <u>4200</u> <b>FFL</b> <u>4600</u> <b>FTP</b> _____		<b>Choke</b> <u>12/64</u> <b>Final Fluid Rate</b> _____	<b>Final oil cut</b> <u>Tr.</u>

**STIMULATION DETAIL**

**Base Fluid used:** Delta Frac **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:** \_\_\_\_\_  
3000 gal of pad  
1000 gal w/1-6 ppg of 20/10 sd  
9000 gal w/6-8 ppg of 20/40 sd  
6022 gal w/8-10 ppg of 20/40 sd  
Flush w/4493 gal of 10# Linear gel

**COSTS**

Flint Rig	1,112
BOP	135
Tanks	30
Wtr	700
HO Trk	630
Frac	23,292
Flowback - super	180
IPC Supervision	200

**Max TP** 3785 **Max Rate** 26.7 **Total fluid pmpd:** 560 bbls  
**Avg TP** 1436 **Avg Rate** 26 **Total Prop pmpd:** 120,300#  
**ISIP** 1855 **5 min** 1669 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$26,279  
**TOTAL WELL COST:** \$270,626

**ATTACHMENT H**

**WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. **Plug #1** Set 203' plug from 5146'-5349' with 30 sxs Class "G" cement.
2. **Plug #2** Set 395' plug from 4514'-4909' with 30 sxs Class "G" cement.
3. **Plug #3** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
4. **Plug #4** Set 100' plug from 259'-359' (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 309' to surface.

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

# S. Pleasant Valley #11-15

Spud Date: 1/26/98

Put on Production: 3/11/98

GL: 5240' KB: 5250'

**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (294')

DEPTH LANDED: 309'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 128 jts. (5474')

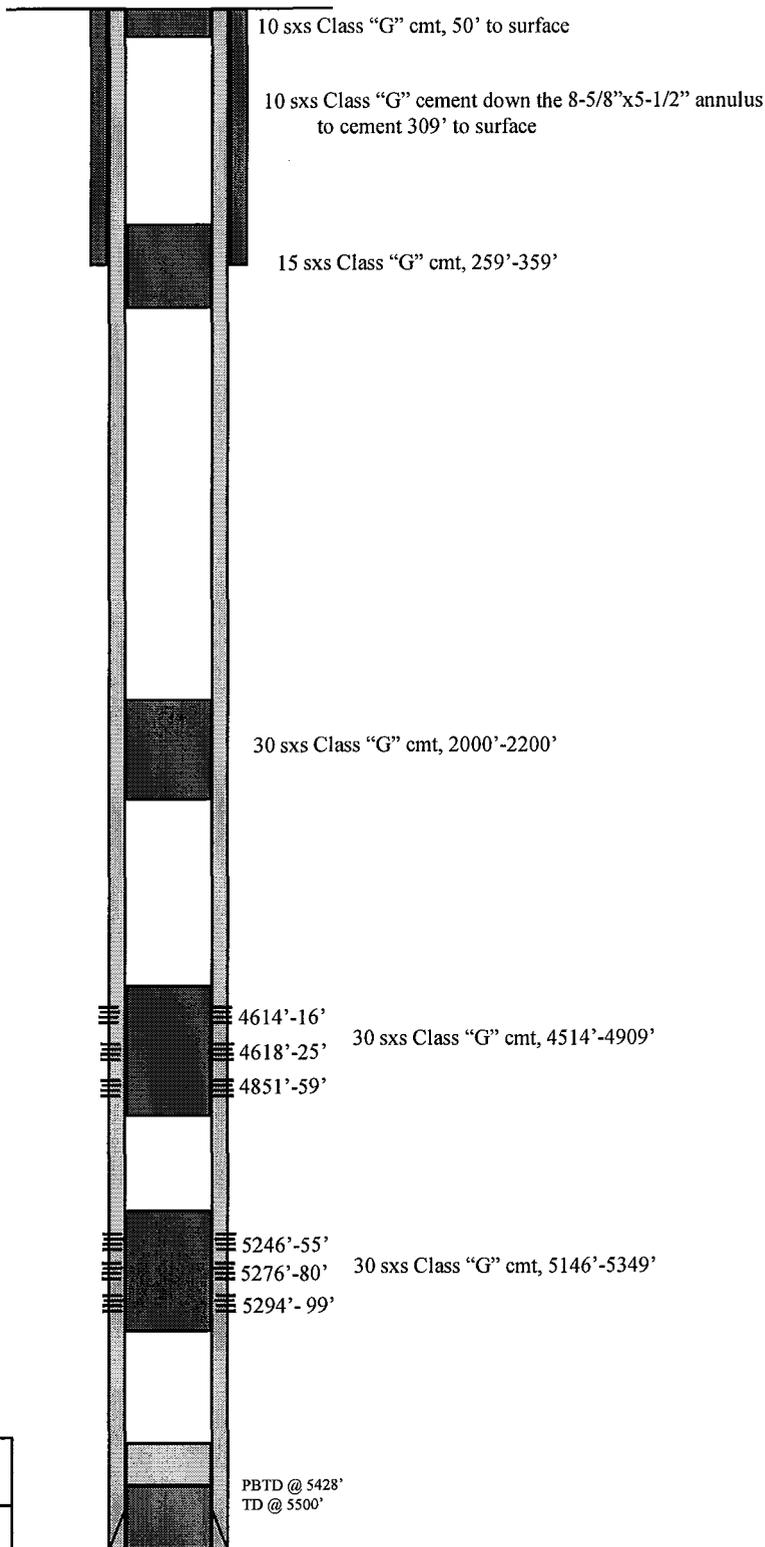
DEPTH LANDED: 5488'

HOLE SIZE: 7-7/8"

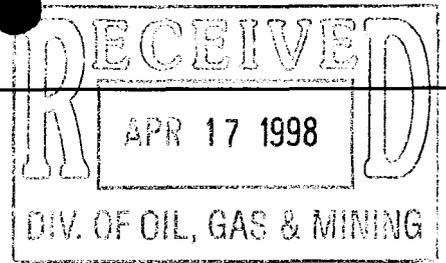
CEMENT DATA: 260 sxs Hifill and 210 sxs Thixotropic

CEMENT TOP AT:

Proposed P&A Wellbore Diagram



	<b>Inland Resources Inc.</b>
	<b>S. Pleasant Valley #11-15</b> 1980 FSL 1980 FWL NESW Section 15-T9S-R17E Duchesne Co, Utah API #43-013-31991; Lease #U-74805



March 24, 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  
S. Pleasant Valley #11-15, Lone Tree Unit (Proposed)  
Monument Butte Field, Lease #U-74805  
Section 15-Township 9S-Range 17E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the S. Pleasant Valley #11-15 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Lone Tree Unit (proposed).

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

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** S. Pleasant Valley #11-15

**Location:** 15/9S/17E

**API:** 43-013-31991

Note: A complete Statement of Basis was prepared for the Lone Tree Unit Project. All of the issues below were addressed in detail. This statement addresses only well specific issues.

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the proposed Lone Tree Unit. A request for Board approval of the unit, secondary recovery operations and for this well has been submitted. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government and the State of Utah are the mineral owners. 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 Lone Tree 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 309 feet and is cemented to surface. A 5 ½ inch production casing is set at 5488 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4564 feet. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4614 feet and 5299 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #11-15 well is .83 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1822 psig. The requested maximum pressure is 1822 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.

**Federal #11-15**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The proposed Lone Tree Unit (cause 228-5) matter will be heard before the Board of Oil, Gas and Mining on May 27, 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. BLM approval of the Unit is necessary. A casing/tubing pressure test will be required prior to injection. After hearing and testimony if there are no outstanding issues it is recommended that approval be granted.

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

Reviewer(s): Brad Hill Date: 5/21/98

**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-74805**

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

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15-9-17**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL                      NE/SW Section 15, T09S R17E**

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

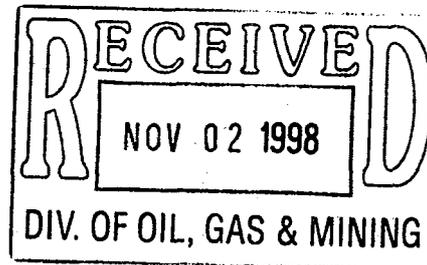
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 10/8/98 - 10/21/98**

TOH production tbg. Bit & scraper run. Set plug.  
Perf D sds @ 4422-27' & 4435-50'.  
Perf for injection.  
Install well head injection equipment.  
Waiting on approval to inject.



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

Signed Shannon Smith Title Engineering Secretary Date 10/28/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-74805**

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

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15-9-17**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL                      NE/SW Section 15, T09S R17E**

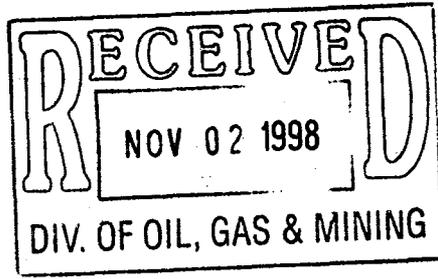
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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

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

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

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



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

Signed *Lebbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

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

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

# Inland Production Company Site Facility Diagram

S Pleasant Valley 11-15  
NE/SW Sec. 15, T9S, 17E  
Duchesne County  
May 12, 1998

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

**Production Phase:**

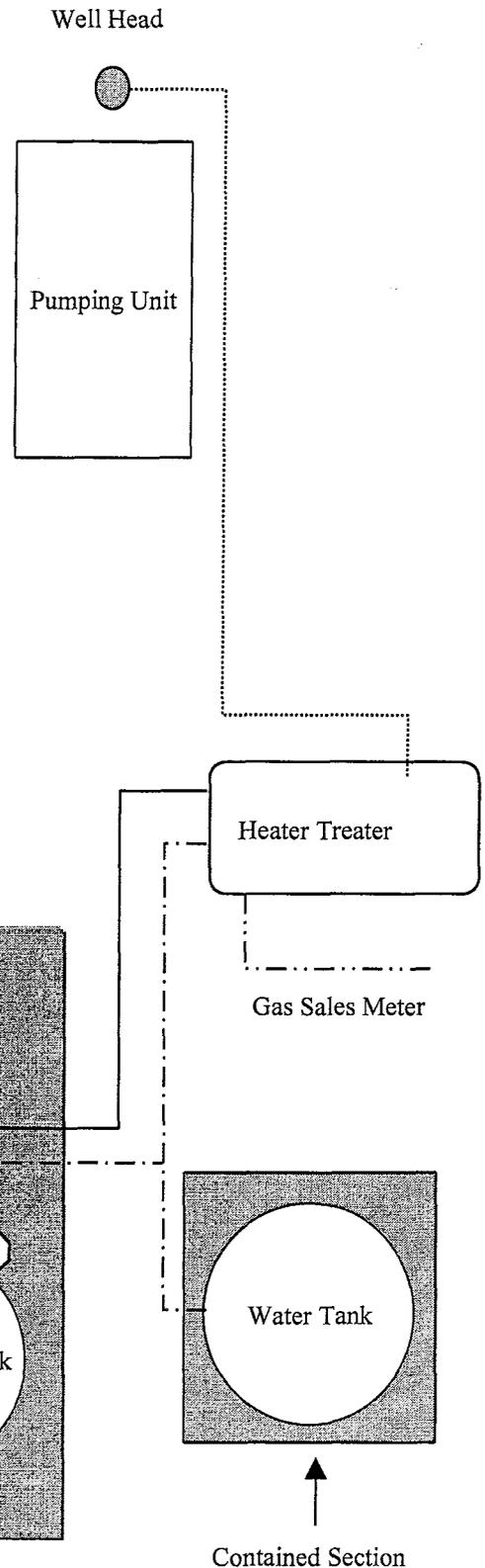
- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2 and 5 sealed open

**Sales Phase:**

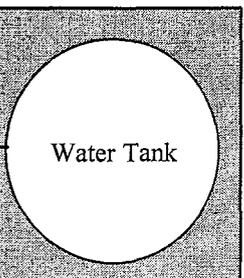
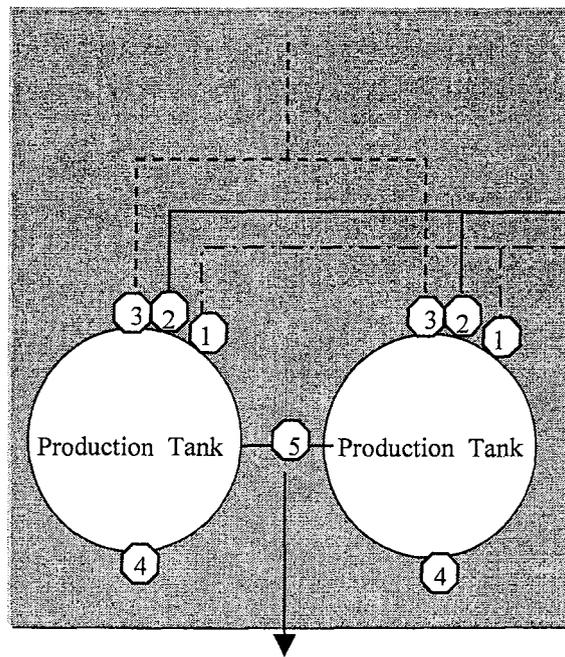
- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 3 open

**Draining Phase:**

- 1) Valve 1 open



Diked Section →



↑  
Contained Section

**Legend**

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

Equalizer Line

INJECTION WELL DATA  
(DATA INPUT SHEET FOR COMPUTER)

Township: 9S Range: 17E Section: 15 Qtr/Qtr: NE/SW  
API No: 43-013-31991  
Operator Nm: INLAND PRODUCTION COMPANY Account No: N 5160  
Well Nm: S. PLEASANT VALLEY 11-15  
Field Nm: MONUMENT BUTTE Field No: 105  
Unit Nm: LONE TREE Unit No: 580  
Cause No: 228-5  
1st Inj: 12/14/98 Surf Csg: 8 7/8 Set @: 309  
Avg InjP: 1100 Int Csg: \_\_\_\_\_ Set @: \_\_\_\_\_  
Max InjP: 1822 Prod Csg: 5 1/2 Set @: 5488  
Max Rate: 500 Liner: \_\_\_\_\_ Set @: \_\_\_\_\_  
PBD: 5428 Tbg: 2 7/8 Set @: 4564  
TD: 5500 Dual Completion: Y  N  
Inj Zone: 4614-5299 Well Type: INTW  
Formation: GRRV Lease Type: BLM  
Approval: 12/10/98 Surf Owner: BLM  
PA Date: \_\_\_\_\_ Indian Country:  Y N

\*\*\*\*\*

TEST DATE: 11/27/98

TEST TYPE: PRESSURE

WITNESSED: Y  N

1000 PSI/HELD 1 HR

COMMENTS:

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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-74805**

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

7. If Unit or CA, Agreement Designation  
**LONE TREE**

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15-9-17**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

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

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL                      NE/SW Section 15, T09S R17E**

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

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

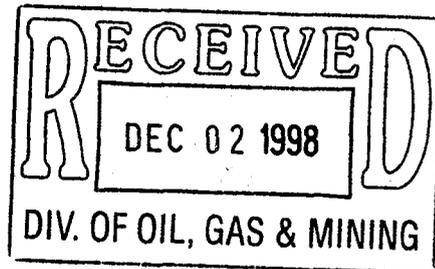
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 above referenced well converted from a producing oil well to a water injection well on 11-27-98. A mechanical integrity test was performed on 11-27-98. Casing was tested to 1000 psi for 1 hours.

**Attachments:**

1. Daily Workover Report"
2. Copy of Chart



*WTC  
3-23-99  
RJK*

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

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 11/30/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**



## Daily Workover Report

**S. PLEASANT VALLEY 11-15-9-17**  
NE/SW Section 15, T09S R17E  
DUCHESNE Co., Utah  
API # 43-013-31991

Spud Date: 1/26/98  
POP: 3/11/98  
TD: 5500'  
WO Rig: Flint #4355

**11/21/98 PO: TOH production tbg. Bit & scraper run. Set plug. (Day 1)**

Summary: 10/10/98 - TP: 0, CP: 0. MIRU CWS #57. Pmp 100 BW dn csg @ 250° w/HO Trk. RD pumping unit. Unseat rod pmp. Flush tbg w/50 BW @ 250°. Reseat pmp. Press test tbg to 2000 psi - held. TOH & LD rod string & pmp. ND wellhead. Release tbg anchor @ 5259'. Had some difficulties. NU BOP. TOH w/production tbg to 4111'. Having to rotate & work TA through csg collars. SIFN w/est 150 BWTR.  
DC: \$3,660 TWC: \$3,660

**11/22/98 SD for Sunday.**

**11/23/98 PO: Perf & frac D sds. (Day 2)**

Summary: 10/12/98 - TP: 0, CP: 0. Con't TOH w/production tbg f/4111'. LD BHA. TIH w/4-3/4" bit, 5-1/2" csg scraper, 178 jts 2-7/8" 8rd 6.5# M-50 tbg. Tag sd @ 5379'. Circ hole w/160 bbls clean 2% KCL wtr @ 140°. TOH w/tbg. LD bit & scraper. TIH w/5-1/2" RBP & tbg. Set plug @ 4580'. Fill hole w/35 BW. Press test plug & BOP to 3000 psi. Pull EOT to 4521'. IFL @ sfc. Made 2 swab runs, rec 25 BTF. Unable to get swab dn past 1300'. SIFN w/est 290 BWTR. Note: During circulation, returned 30 BW & 30 BO.  
DC: \$3,033 TWC: \$6,693

**11/24/98 PO: Frac D sds. (Day 3)**

Summary: 10/13/98 - TP: 0, CP: 0. HO Trk flushed tbg w/40 bbls KCL wtr @ 250°. Filled w/25 bbls. IFL @ sfc. Swab dn to 1300' & stacking on oil plug. Fill hole w/25 BW. Rev circ hole to clear oil plugs. Swab FL dn to 3900'. Rec 84 BTF. TOH w/tbg. RU Schlumberger & perf D sds @ 4422-27' & 4435-50' w/4 jsp. TIH w/tbg to 4420'. IFL @ 3900'. Made 3 swab runs, rec 8 BTF. FFL @ 4300'. SIFN w/est 198 BWTR.  
DC: \$3,990 TWC: \$10,683

**11/25/98 PO: Perf for injection. (Day 4)**

Summary: 10/15/98 - TP: 0, CP: 0. RU swab eq. Made 5 swab runs, recovered 45 BTF. IFL @ 1200'. FFL @ 3100'. TOH w/tbg. NU isolation tool. RU BJ Services & frac D sand w/47,200# of 20/40 sd in 300 bbls of Viking I-25 fluid. Perfs broke down @ 2840 psi. Treated @ ave press of 1655 psi w/ave rate of 26.2 bpm. ISIP - 2550 psi, 5 min SI - 2360 psi. Flowback on 12/64 choke for 2 hrs & died. Recovered 58 BTF. (Est 18 % of load) ND isolation tool. TIH w/tbg & RH to sand top @ 4488'. C/O sd to plug @ 4580'. Release plug & TO H breaking & doping each connection w/Liquid "O" Ring. LD RBP. SIFN w/est 395 BWTR.  
DC: \$16,339 TWC: \$27,022



**Daily Workover Report – Page Two**

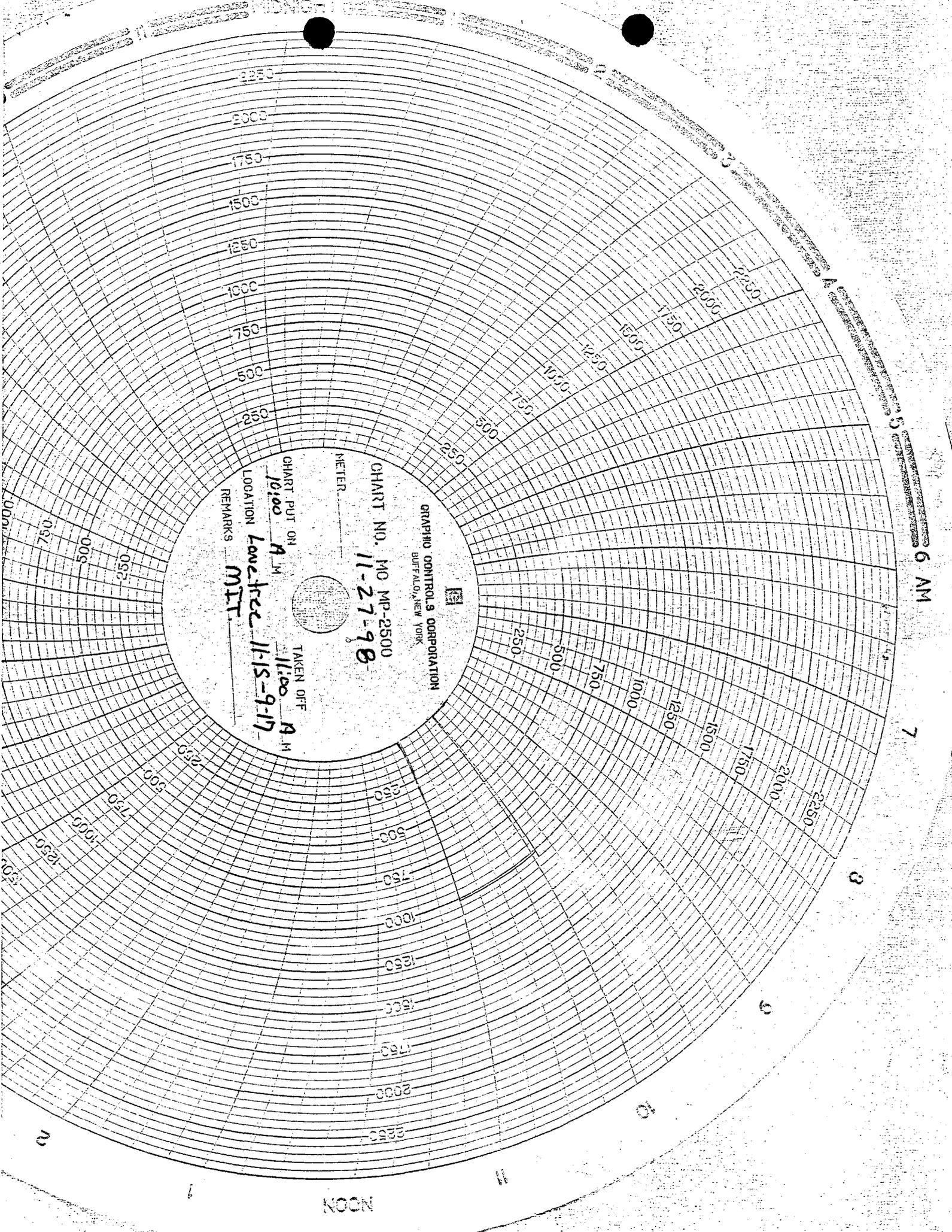
**S. PLEASANT VALLEY 11-15-9-17**  
NE/SW Section 15, T09S R17E  
DUCHESNE Co., Utah  
API # 43-013-31991

Spud Date: 1/26/98  
POP: 3/11/98  
TD: 5500'  
WO Rig: Flint #4355

**11/26/98 SD for Thanksgiving.**

**11/27/98 PO: Install well head injection equipment. (Day 5)**

Summary: 10/16/98 – TP: 0, CP: 0. TIH w/Halliburton 5-1/2 Arow Set XS -1 pkr, SN, 142 jts of 2-7/8" 8rd M-50 tbg. (Doping pins w/Liquid O Ring) RD floor. ND BOPs. NU wellhead. Displace behind pkr fluid. Land tbg & pkr w/12,000# psi tension. EOT @ 4326'. Top of pkr @ 4323'. NU well head. Press test csg to 1,000 psi. RDSUMOL. SIFN. (Installing surface eq & wo/approval to inject). Final report.  
DC: \$12,998 TWC: \$40,020



6 AM

7

8

9

10

11

NOON

GRAPHIC CONTROLS & CORPORATION  
BUFFALO, NEW YORK

CHART NO. MO MP-2500  
11-27-98

METER

CHART PUT ON

10:00 A.M.

TAKEN OFF

11:00 A.M.

LOCATION

Lowtree 11-15-9-17

REMARKS

MIT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other ADD'L PERFS

5. LEASE DESIGNATION AND SERIAL NO.  
**U-74805**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**LONE TREE**

8. FARM OR LEASE NAME, WELL NO.  
**S. PLEASANT VALLEY 11-15-9-17**

2. NAME OF OPERATOR  
**INLAND RESOURCES INC.**

9. API WELL NO.  
**43-013-31991**

3. ADDRESS AND TELEPHONE NO.  
**410 17th St. Suite 700 Denver, CO 80202**

10. FIELD AND POOL OR WILDCAT  
**MONUMENT BUTTE**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface  
**NE/SW**  
 At top prod. interval reported below **1980' FSL & 1980' FWL**  
 At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Section 15, T09S R17E**

14. PERMIT NO. **1/9/98** DATE ISSUED

12. COUNTY OR PARISH **DUCHESNE** 13. STATE **UT**

15. DATE SPUNDED **1/26/98** 16. DATE T.D. REACHED **2/2/98** 17. DATE COMPL. (Ready to prod.) **3/11/98** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5250' KB 5240' GL** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5500'** 21. PLUG BACK T.D., MD & TVD **5428'** 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

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

26. TYPE ELECTRIC AND OTHER LOGS RUN **DIGL/SP/GR/CAL - CN/CD/GR** 27. WAS WELL CORED  
**No**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	309'	12-1/4	140 sx Premium	
5-1/2	15.5#	5488'	7-7/8	260 sx Hibond and 210 sx Thixotropic	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	EOT @ 4326'	Pkr @ 4323'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
Added perforations D 4422-27', 4435-50'	4 SPF	80 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4422' - 4450'	47,200# 20/40 sd in 300 bbls Viking I-25

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in)  
**shut in waiting on injection**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO

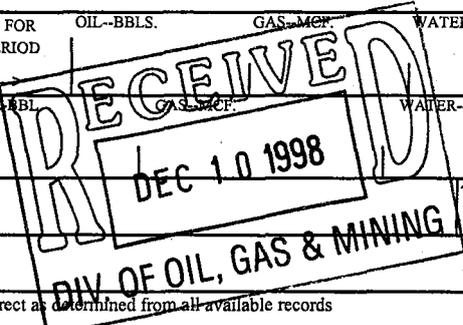
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

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

SIGNED Shannon Smith TITLE Engineering Secretary DATE 12/2/98



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



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

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

UNDERGROUND INJECTION CONTROL PERMIT

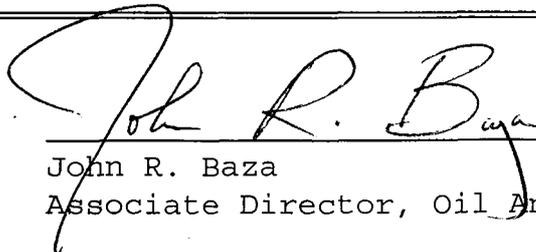
Cause No. 228-5

Operator: Inland Production Company  
Wells: S. Pleasaant Valley 11-15  
Location: Section 15, Township 9 South, Range 17 East,  
County: Duchesne  
API No.: 43-013-31991  
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 18, 1998
2. Maximum Allowable Injection Pressure: 1822 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Douglas Creek Member of the Green River Formation (4614 feet - 5299 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

12/10/98  
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.  
**U-74805**

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

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

8. Well Name and No.  
**S. PLEASANT VALLEY 11-15-9-17**

9. API Well No.  
**43-013-31991**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

3. Address and Telephone No.  
**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FWL      NE/SW Section 15, T09S R17E**

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

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

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

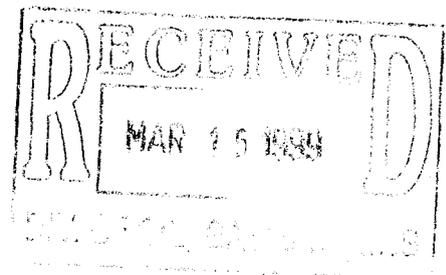
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 10/8/98 - 10/21/98**

TOH production tbg. Bit & scraper run. Set plug.  
Perf D sds @ 4422-27' & 4435-50'.  
Perf for injection.  
Install well head injection equipment.  
Waiting on approval to inject.

RECEIVED  
NOV 02 1998

*WTC  
3-23-99  
RJK*



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

Signed Sharon Smith Title Engineering Secretary Date 10/28/98

(This space for Federal or State Office use)

Approved by NOTED Title \_\_\_\_\_ Date NOV 10 1998

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

OPERATOR

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74805</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>ROUTE #3 BOX 3630, MYTON, UTAH 84052 (435) 646-3721</b>		7. UNIT AGREEMENT NAME  <b>LONE TREE</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1980 FSL 1980 FWL</b>		8. FARM OR LEASE NAME <b>S. PLEASANT VALLEY 11-15-9-17</b>	
14. API NUMBER <b>43-013-31991</b>		9. WELL NO. <b>Federal # 11-15</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5240 GR</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
12. COUNTY OR PARISH <b>DUCHESNE</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 15, T09S R17E</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>Step-Rate test</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.)\*

On April 5, 2000 Inland Production Company conducted a Step-Rate Test (SRT) on the S. Pleasant Valley # 11-15 injection well in the Lone Tree Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure from 1684 psi to 1242 psi on this well.

**RECEIVED**

APR 10 2000

DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED <u>[Signature]</u>	TITLE <u>Operations Manager</u>	DATE <u>4/5/00</u>
---------------------------	---------------------------------	--------------------

(This space for Federal or State office use)

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

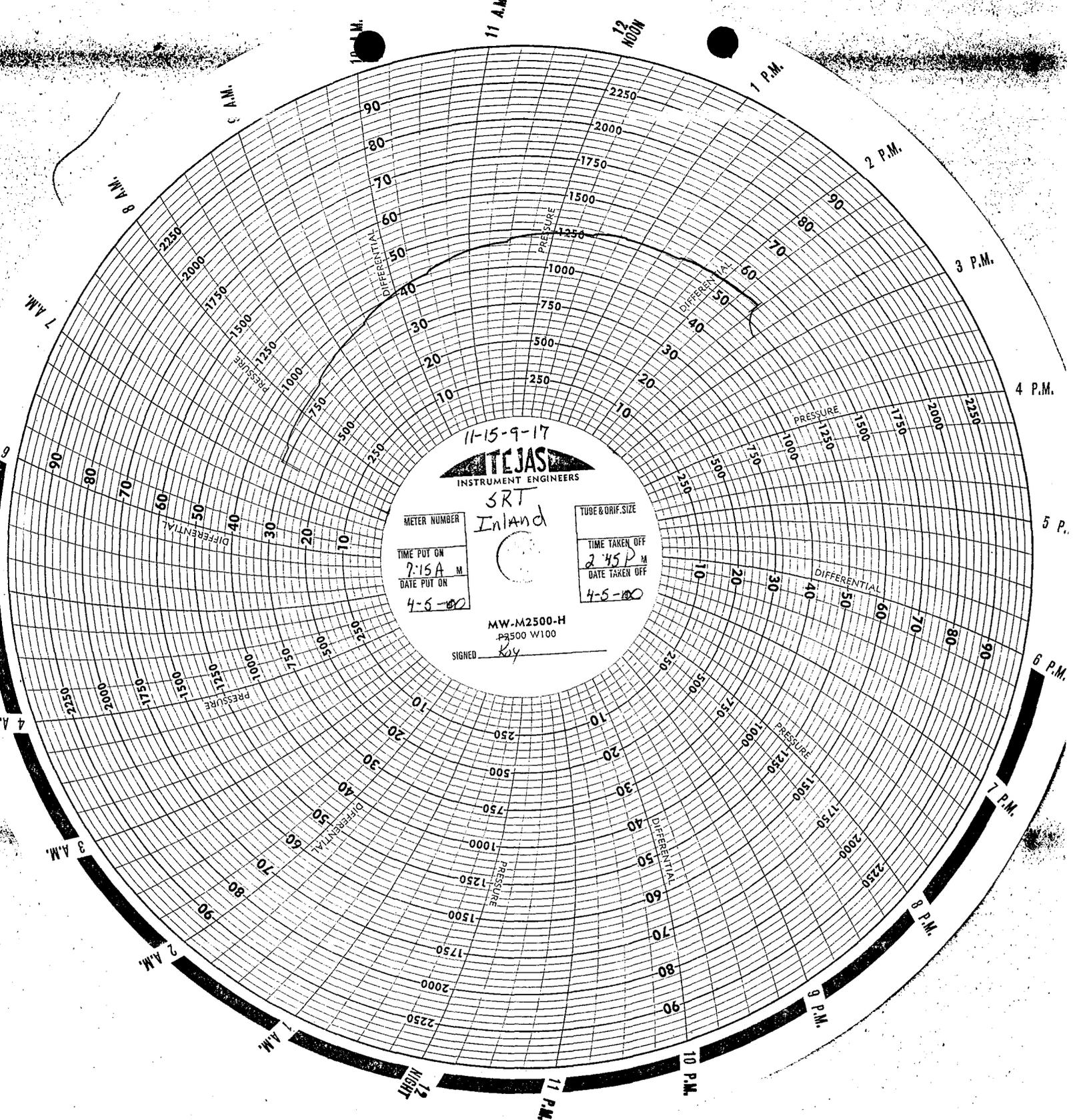
CONDITIONS OF APPROVAL, IF ANY:

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

Date: 4/10/00  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 4-20-00  
Initial: CHD

\* See Instructions On Reverse Side

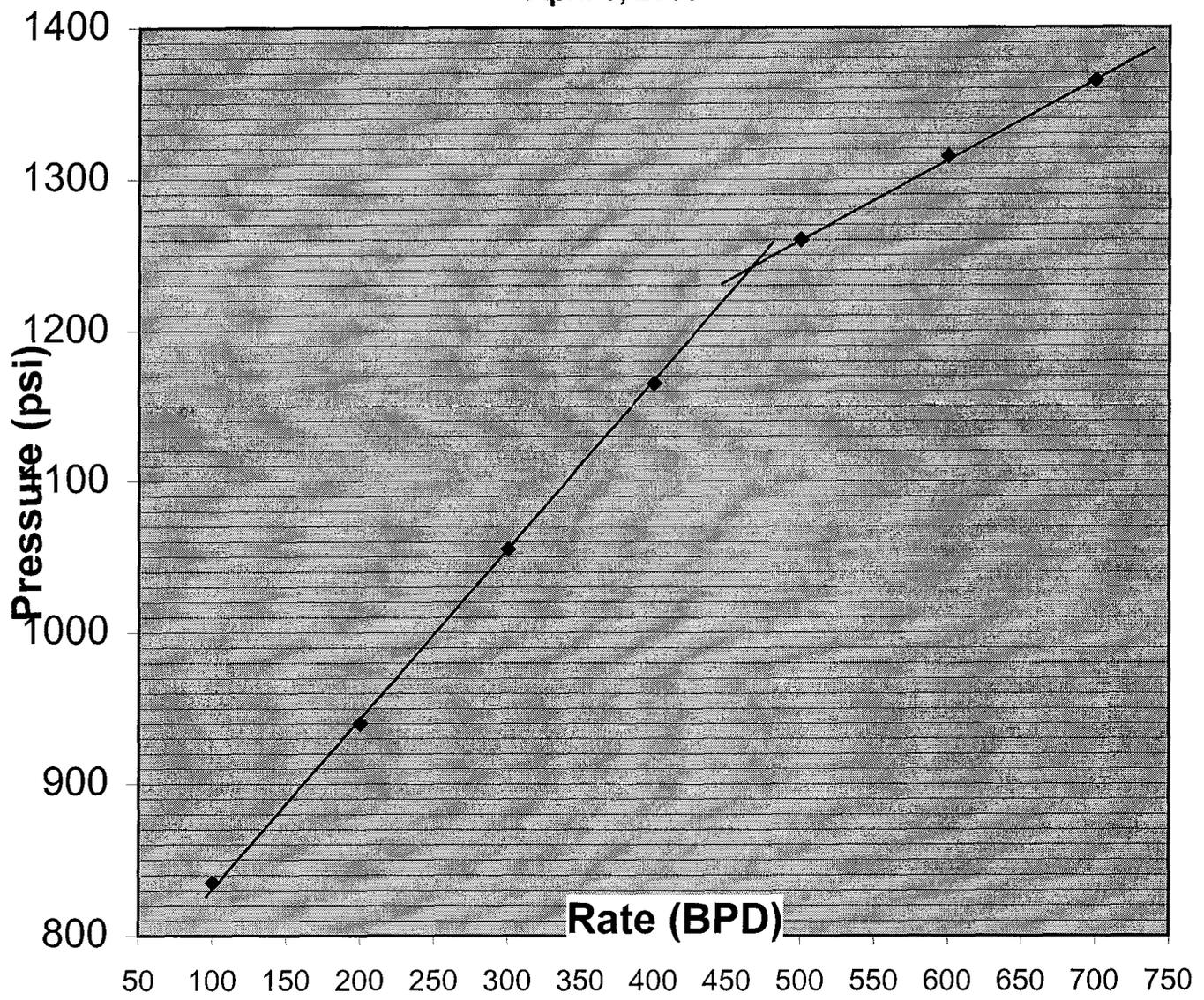


**RECEIVED**

APR 10 2000

DIVISION OF  
 OIL, GAS AND MINING

Pleasant Valley 11-15  
 (Lone Tree Unit)  
 Step Rate Test  
 April 5, 2000



ISIP: 1320 psi  
 Fracture pressure: 1242 psi  
 FG: 0.716

Step	Rate(bpm)	Pressure(psi)
1	100	835
2	200	940
3	300	1055
4	400	1165
5	500	1260
6	600	1315
7	700	1365

**RECEIVED**  
 APR 10 2000  
 DIVISION OF  
 OIL, GAS AND MINING



April 5, 2000

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

RE: Step-Rate Test  
South Pleasant Valley # 11-15

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the South Pleasant Valley #11-15 injection well in the Lone Tree Unit. Inland Production Company conducted the SRT on April 5, 2000. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure from 1684 psi to 1242 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

/bm

**RECEIVED**

APR 10 2000

DIVISION OF  
OIL, GAS AND MINING

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)  OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>U-74805</b>  6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>  7. UNIT AGREEMENT NAME <b>LONE TREE</b>  8. FARM OR LEASE NAME <b>S PLEASANT VALLEY 11-15-9-17</b>  9. WELL NO. <b>S PLEASANT VALLEY 11-15-9-17</b>  10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 15, T9S R17E</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>  3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		12. COUNTY OR PARISH <b>DUCHESNE</b>  13. STATE <b>UT</b>	
14. API NUMBER <b>43-013-31991</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5240 GR</b>	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW Section 15, T9S R17E 1980 FSL 1980 FWL</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) <input checked="" type="checkbox"/>	<b>Packer Leak</b>
(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 developed a packer leak, subsequently the leak was repaired. Mr. Dan Jackson w/EPA was contacted of the intent to conduct a MIT on the casing. On 6/30/03 the casing was pressured to 1170 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 7/2/2003  
Krishna Russell

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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

**RECEIVED  
JUL 03 2003  
DIV. OF OIL, GAS & MINING**



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

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

NEW OPERATOR

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

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

(This space for State use only)

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

Approval Date: 9-10-04

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

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

**OPERATOR CHANGE WORKSHEET**

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

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**CA No. Unit: LONE TREE (GREEN RIVER)**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FED NGC 21-15	15	090S	170E	4301330614	12417	Federal	WI	A
NGC 24-15H FED	15	090S	170E	4301330681	12417	Federal	OW	P
FEDERAL 14-15H	15	090S	170E	4301331695	12417	Federal	WI	A
FEDERAL 13-15H	15	090S	170E	4301331698	12417	Federal	OW	P
S PLEASANT VALLEY 5-15-9-17	15	090S	170E	4301331886	12417	Federal	WI	A
S PLEASANT VALLEY 11-15-9-17	15	090S	170E	4301331991	12417	Federal	WI	A
S PLEASANT VALLEY 15-15-9-17	15	090S	170E	4301331992	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-15-9-17	15	090S	170E	4301332018	12417	Federal	OW	P
S PLEASANT VALLEY FED 6-15-9-17	15	090S	170E	4301332019	12417	Federal	OW	P
S PLEASANT VALLEY FED 7-15-9-17	15	090S	170E	4301332020	12417	Federal	WI	A
S PLEASANT VALLEY FED 10-15-9-17	15	090S	170E	4301332022	12417	Federal	OW	P
STATE 16-2	16	090S	170E	4301330552	12417	State	OW	TA
K JORGENSON ST 16-4	16	090S	170E	4301330572	12417	State	WI	A
LONE TREE 10-16-9-17	16	090S	170E	4301332087	12417	State	OW	P
LONE TREE 15-16-9-17	16	090S	170E	4301332089	12417	State	OW	P
LONE TREE 16-16-9-17	16	090S	170E	4301332150	12417	State	OW	P
S PLEASANT VALLEY FED 2-20	20	090S	170E	4301331737	12417	Federal	OW	P
S PLEASANT VALLEY FED 1-21	21	090S	170E	4301331563	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-22	22	090S	170E	4301331522	12417	Federal	OW	P
S PLEASANT VALLEY FED 2-22-9-17	22	090S	170E	4301332023	12417	Federal	OW	P
S PLEASANT VALLEY FED 3-22-9-17	22	090S	170E	4301332024	12417	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:  
UTU74805

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
LONE TREE UNIT

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

8. WELL NAME and NUMBER:  
S PLEASANT VALLEY 11-15-9-17

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4301331991

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: 1980 FSL 1980 FWL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SW, 15, T9S, R17E

STATE: Utah

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

TYPE OF ACTION      SubDate

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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/22/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on July 21, 2005. Results from the test indicate that the fracture gradient is .804 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1630 psi.

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

NAME (PLEASE PRINT) Cheyenne Batemen

TITLE Well Analyst Foreman

SIGNATURE

*Cheyenne Batemen*

DATE 09/22/2005

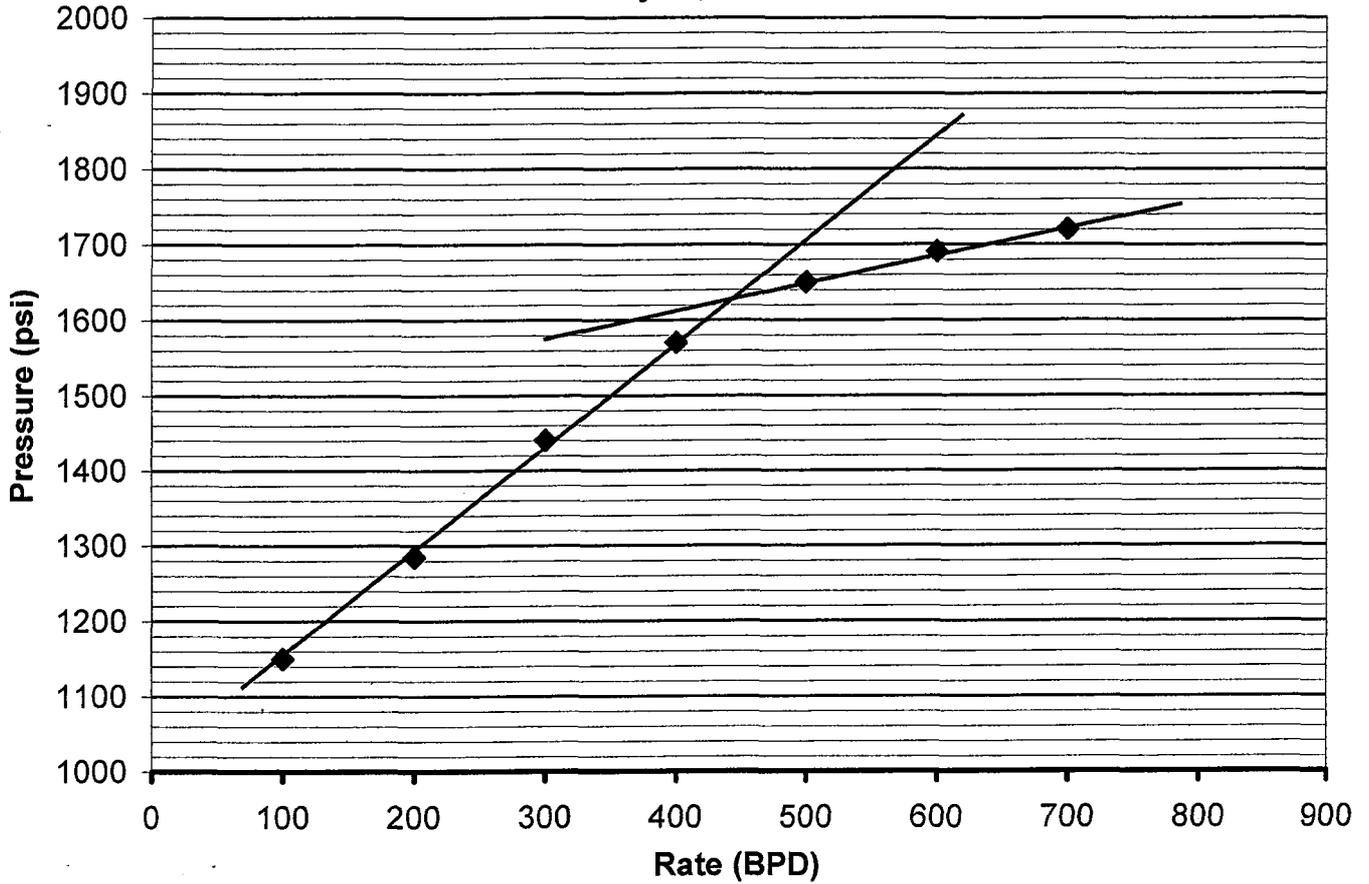
(This space for State use only)

**RECEIVED**

**OCT 03 2005**

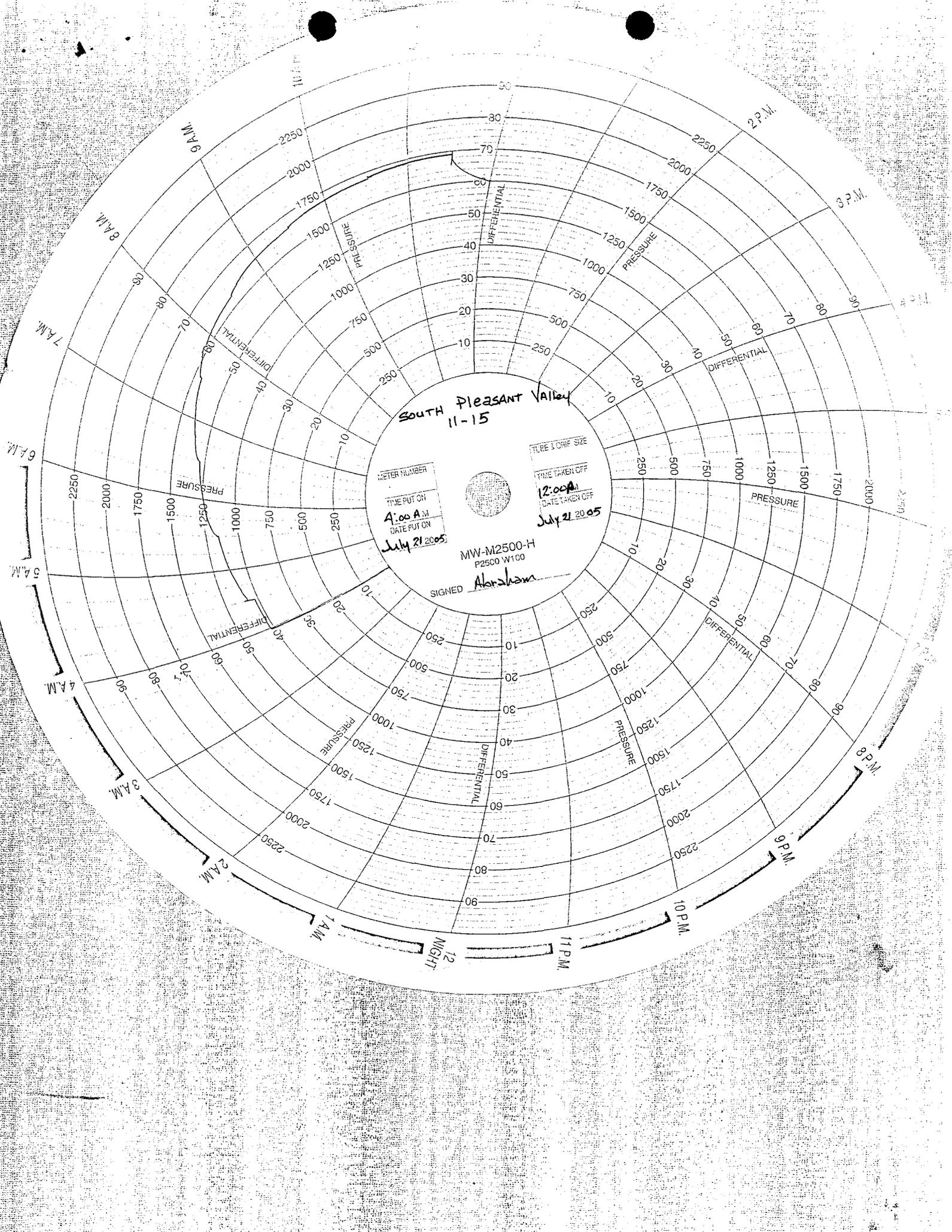
DIV. OF OIL, GAS & MINING

**South Pleasant Valley 11-15**  
**Lone Tree Unit**  
**Step Rate Test**  
**July 21, 2005**



**Start Pressure:** 1025 psi  
**Instantaneous Shut In Pressure (ISIP):** 1685 psi  
**Top Perforation:** 4422 feet  
**Fracture pressure (Pfp):** 1630 psi  
**FG:** 0.804 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1150
2	200	1285
3	300	1440
4	400	1570
5	500	1650
6	600	1690
7	700	1720



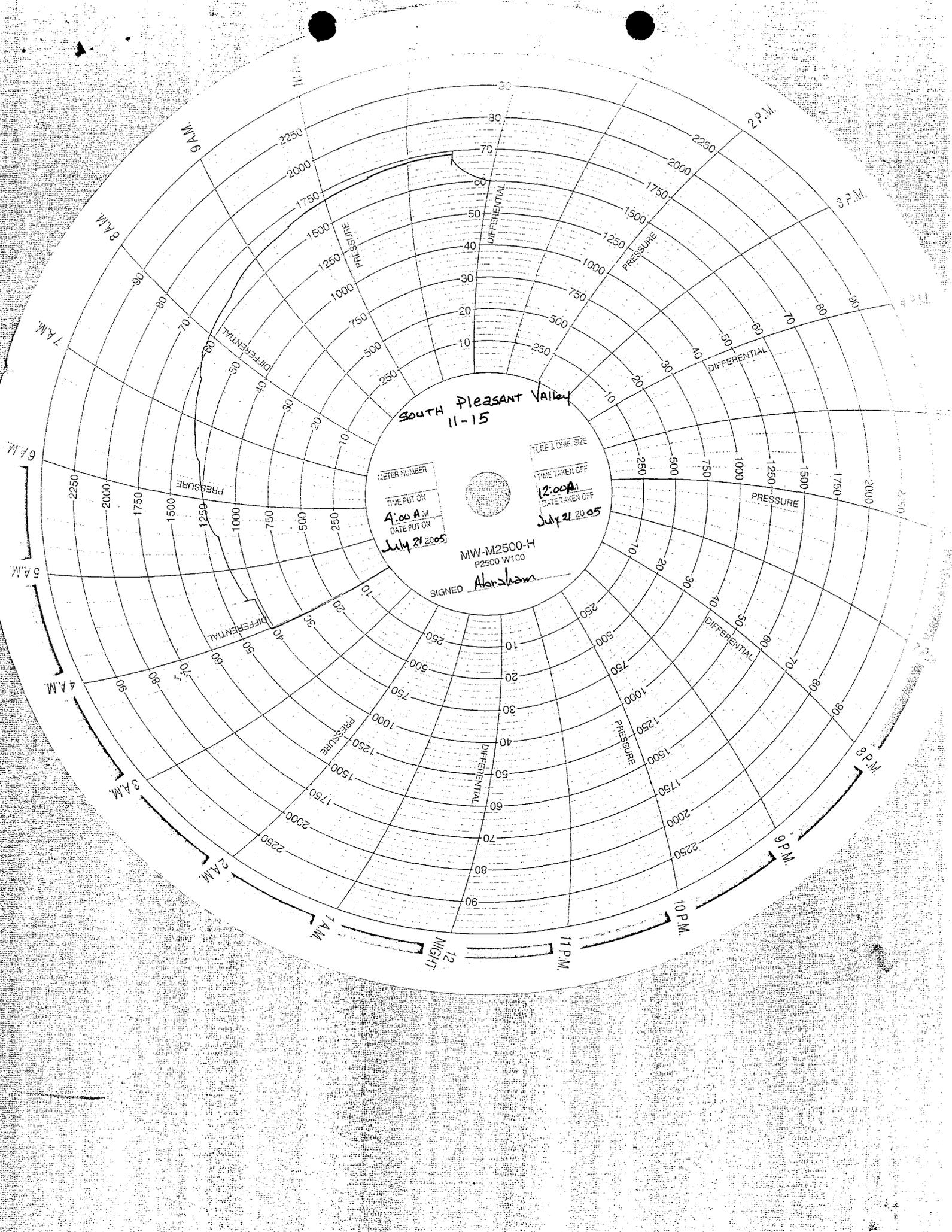
SOUTH PLEASANT VALLEY  
11-15

METER NUMBER  
TIME PUT ON  
4:00 A.M.  
DATE PUT ON  
July 21, 2005

TUBE & CRIP SIZE  
TIME TAKEN OFF  
12:00 P.M.  
DATE TAKEN OFF  
July 21, 2005

MW-M2500-H  
P2500 W100

SIGNED Aloraham





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18<sup>TH</sup> STREET - SUITE 200

DENVER, CO 80202-2466

Phone 800-227-8917

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

OCT 21 2005

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Michael Guinn  
Vice President - Operations  
Newfield Production Company  
Route 3 - Box 3630  
Myton, UT 84502

RECEIVED  
OCT 26 2005  
DIV. OF OIL, GAS & MINING

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

43-013-31991  
RE: UNDERGROUND INJECTION CONTROL (UIC)  
**Minor Permit Modification**  
Increase Injection Pressure: No. 2  
EPA Permit No. UT20853-04457  
South Pleasant Valley No. 11-15-9-17  
NE SW Sec. 15 - T9S - R17E  
Duchesne County, Utah

Dear Mr. Guinn:

The Region VIII Ground Water Program offices of the Environmental Protection Agency (EPA) received from Newfield Production Company (Newfield) the results and analysis of a July 21, 2005 Step-Rate Test (SRT) run on the South Pleasant Valley No. 11-15-9-17 enhanced recovery injection well, EPA Permit No. UT20853-04457. Included with the results was a request to increase the maximum allowable injection pressure (MAIP) from 1242 psig to 1630 psig.

EPA has reviewed the Permit File, and the submitted SRT information show that the formation parting pressure of the injection zone was reached under the conditions recorded during the test. Based upon this test and the EPA analysis, the Director has determined that a pressure of 1630 psig, measured at the surface, is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone overlying the injection zones, and underground sources of drinking water (USDW) will continue to be protected.



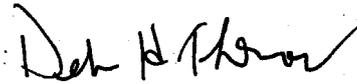
Therefore, pursuant to 40 CFR §144.41 (e), the EPA hereby modifies EPA Permit No. 20853-04457 and **authorizes a MAIP of 1630 psig** for the South Pleasant Valley No. 11-15-9-17 enhanced recovery injection well.

Should Newfield in the future choose to request a modification to the approved MAIP, new supporting data such as a new SRT will be required as part of your request. In order to inject at pressures greater than the permitted MAIP during any future test(s), the permittee must receive prior authorization from the Director.

If you have any questions in regard to the above action, please contact Dan Jackson of my staff by calling 303-312-6155, or 1-800-227-8917 (Ext. 6155).

Please send all compliance correspondence relative to this well to the **ATTENTION: NATHAN WISER**, at the letterhead address citing **MAIL CODE: 8ENF-UFO** very prominently. You may call Mr. Wisser at 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Sincerely,



*for* Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Maxine Natchees  
Chairperson  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Elaine Willie  
Environmental Coordinator  
Ute Indian Tribe

Chester Mills  
Superintendent  
Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

David Gerbig  
Operations Engineer  
Newfield Production Company

Gil Hunt  
Technical Services Manager  
State of Utah - Natural Resources

Matt Baker  
Petroleum Engineer  
Bureau of Land Management  
Vernal District

Nathan Wiser  
8ENF-UFO



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 5 12 2008  
 Test conducted by: Trefley J. Rizer  
 Others present: \_\_\_\_\_

Well Name: <u>S.P.V. 11-15-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>MONUMENT BUTTE</u>		
Location: <u>NE 1/4</u> Sec: <u>15</u> T <u>9</u> N <u>10</u> R <u>17</u> E / W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

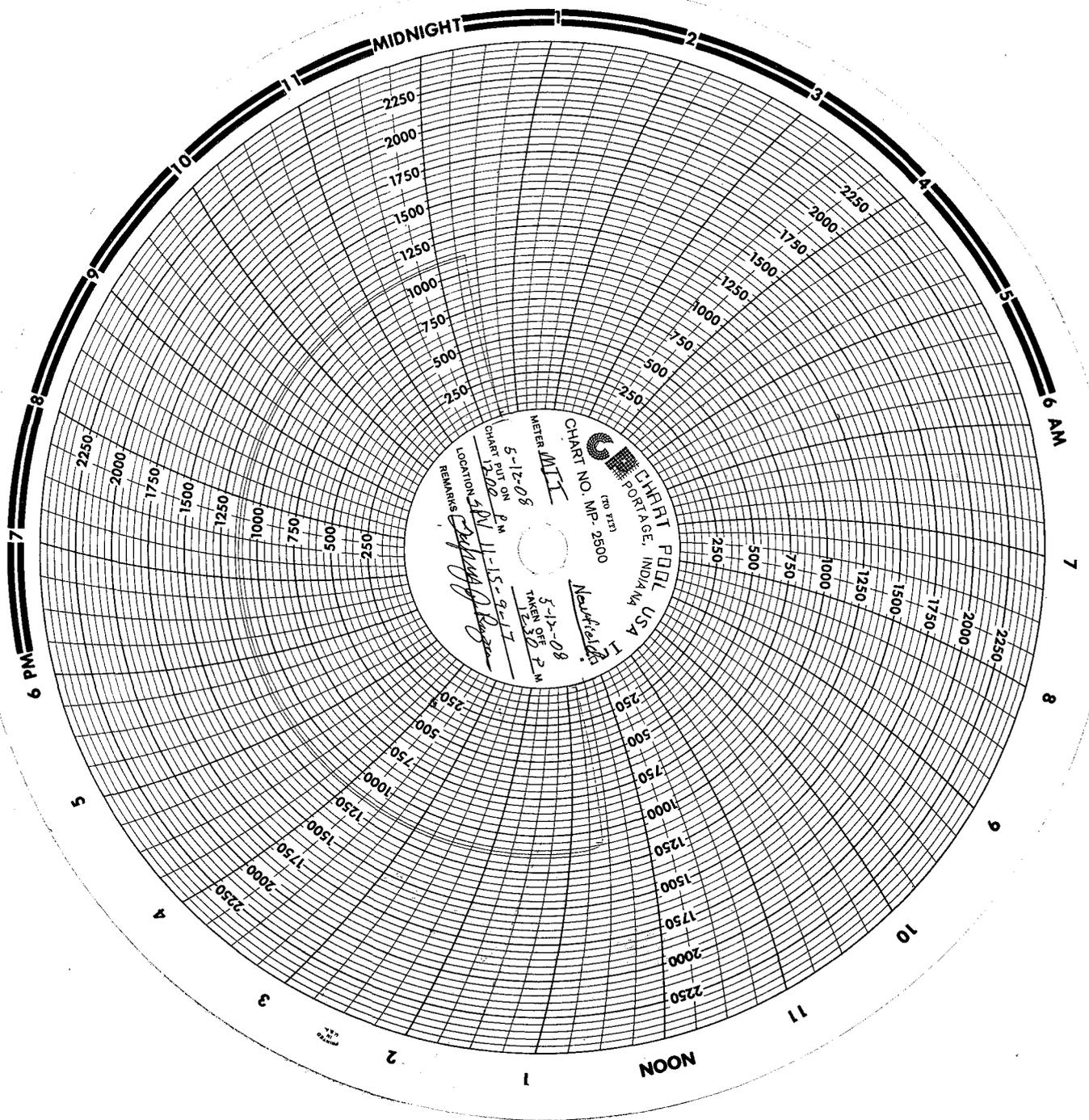
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1500</u> psig	psig	psig
End of test pressure	<u>1500</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1130</u> psig	psig	psig
5 minutes	<u>1130</u> psig	psig	psig
10 minutes	<u>1130</u> psig	psig	psig
15 minutes	<u>1130</u> psig	psig	psig
20 minutes	<u>1130</u> psig	psig	psig
25 minutes	<u>1130</u> psig	psig	psig
30 minutes	<u>1130</u> psig	psig	psig
_____ minutes	— psig	psig	psig
_____ minutes	— psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



MIDNIGHT

6 AM

7

8

9

10

11

NOON

1

2

3

4

5

7 PM

8

6

10

2250

2000

1750

1500

1250

1000

750

500

250

2250

2000

1750

1500

1250

1000

750

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750

1000

1250

1500

1750

2000

2250

CHARTRI POOL USA  
PORTAGE, INDIANA  
CHART NO. MP-28500  
METER MIT  
5-12-08  
CHART PUT ON 12:00 PM  
LOCATION 11-15-92-17  
REMARKS  
5-12-08  
TAKEN OFF 12:30 PM  
Newfield

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74805
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> S PLEASANT VALLEY 11-15-9-17
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013319910000
<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> 1980 FSL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 15 Township: 09.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/11/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT on the above listed well. On 04/11/2013 the casing was pressured up to 1045 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbp pressure was 1447 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04457

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 22, 2013**

<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> 4/19/2013	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 4 / 11 / 2013  
 Test conducted by: Brendan Curry  
 Others present: \_\_\_\_\_

Well Name: <u>S. Pleasant Valley 11-15-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>11</u>	Sec: <u>15</u>	T <u>9</u> N / <u>S</u> R <u>17</u> E / W
County: <u>Duchesne</u>		State: <u>UT</u>
Operator: <u>Newfield Production Company</u>		
Last MIT: _____ / _____ / _____		Maximum Allowable Pressure: <u>1500</u> PSIG

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

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

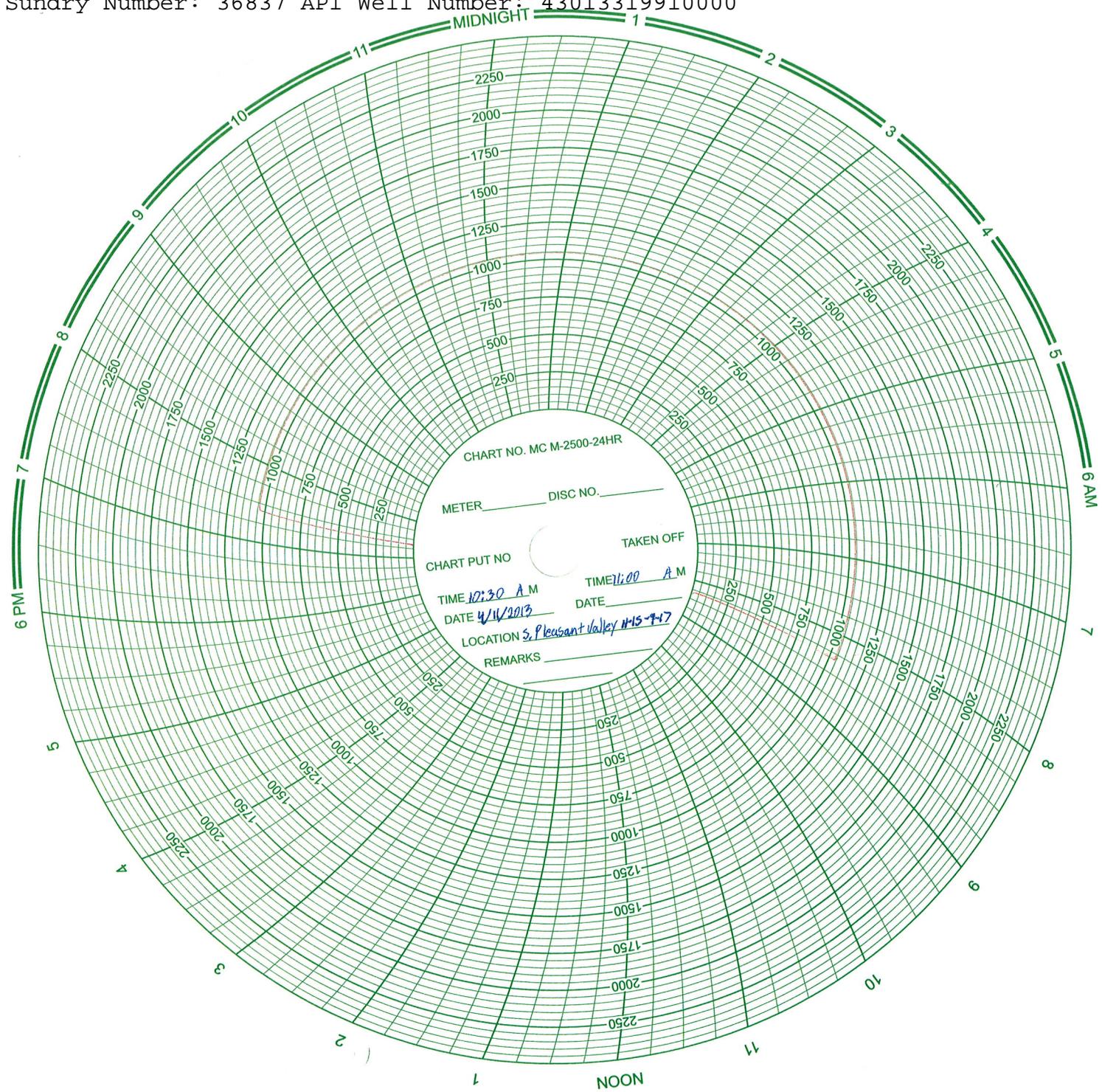
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1447</u> psig	psig	psig
End of test pressure	<u>1447</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1045</u> psig	psig	psig
5 minutes	<u>1045</u> psig	psig	psig
10 minutes	<u>1045</u> psig	psig	psig
15 minutes	<u>1045</u> psig	psig	psig
20 minutes	<u>1045</u> psig	psig	psig
25 minutes	<u>1045</u> psig	psig	psig
30 minutes	<u>1045</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



Spud Date: 1/26/1998  
 Put on Production: 3/11/98  
 Put on Injection: 2/14/98  
 GI: 5240' KB 5250'

# S. Pleasant Valley 11-15-9-17

Initial Production: 84 BOPD,  
 70 MCFPD, 14 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (294')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf

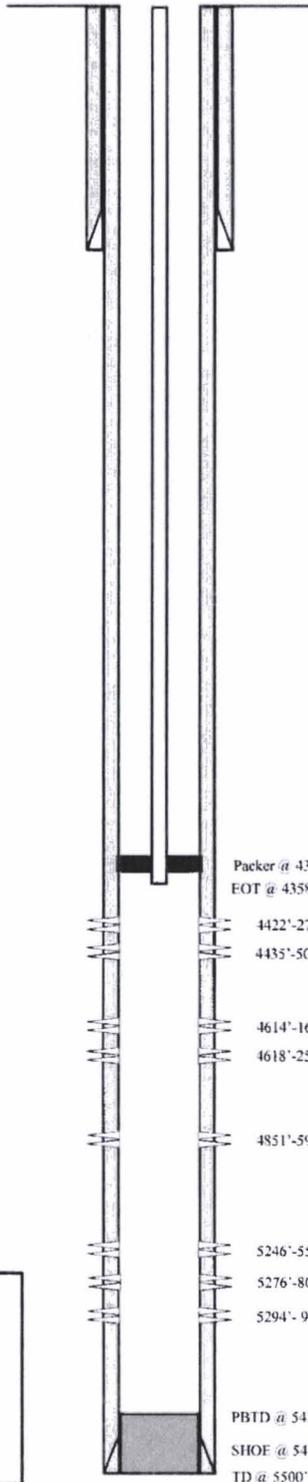
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 128 jts (5474')  
 DEPTH LANDED: 5488'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 260 sxs Hifill and 210 sxs Thixotropic  
 CEMENT TOP AT:

## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 143 jts (4339.90')  
 SN LANDED AT: 4351' KB  
 PACKER: 4355'  
 TOTAL STRING LENGTH: EOT @ 4358'

## Injection Wellbore Diagram



## FRAC JOB

03/03/98 5246'-5299' **Frac CP sand as follows:**  
 120,000# 20/40 sand in 577 bbls Delta Frac.  
 Treated w avg press 1800 psi @ 30.5 BPM.  
 ISIP-1932 psi. Calc. flush: 5246 gal. Actual  
 flush: 5175 gal.

03/04/98 4851'-4859' **Frac A sand as follows:**  
 36,800# 20/40 sand in 238 bbls Delta Frac.  
 Treated w avg press of 2130 psi @ 28.9 BPM.  
 ISIP-3249 psi. Screened out w/ 14,000# sand  
 in finto, 22,800# in csg

03/05/98 4851'-4859' **Re-Frac A sand as follows:**  
 120,300# 20/40 sand in 595 bbls Delta Frac.  
 Treated w avg press of 3150 psi @ 28.9 BPM.  
 ISIP-3249 psi. Calc. flush: 4851 gal. Actual  
 flush: 4737 gal.

03/08/98 4614'-4625' **Frac sand as follows:**  
 120,300# 20/40 sand in 560 bbls Delta Frac.  
 Treated w avg press of 1436 psi @ 26 BPM.  
 ISIP-1855 psi. Calc. flush: 4614 gal. Actual  
 flush: 4493 gal.

10/16/98 4422'-4450' **Frac D sand as follows:**  
 47,200# 20/40 sand in 300 bbls of Viking.  
 Treated w avg press of 1655 psi w avg rate of  
 26.2 BPM. ISIP-2550 psi. Calc. flush: 4422  
 gal. Actual flush: 4326 gal.

10/17/98 **Convert to injector.**

6/21/03 **Packer Leak.** Update tubing detail.

5/12/08 **5 Year MIT completed and submitted.**

## PERFORATION RECORD

Date	Depth	Tool	Holes
03/01/98	5246'-5255'	4 JSPF	36 holes
03/01/98	5276'-5280'	4 JSPF	16 holes
03/01/98	5294'-5299'	4 JSPF	20 holes
03/04/98	4851'-4859'	4 JSPF	32 holes
03/07/98	4614'-4616'	4 JSPF	16 holes
03/07/98	4618'-4625'	4 JSPF	28 holes
10/13/98	4422'-4427'	4 JSPF	20 holes
10/13/98	4435'-4450'	4 JSPF	60 holes

**NEWFIELD**

S. Pleasant Valley 11-15-9-17  
 1980 FSL & 1980 FWL  
 NESW Section 15-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31991; Lease #U-74805