



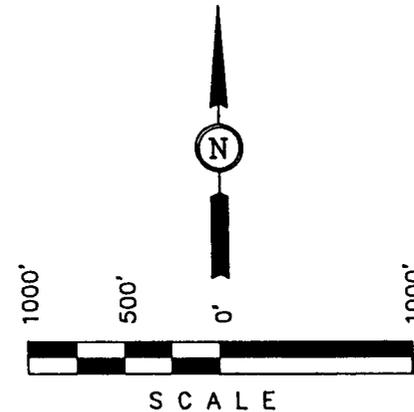
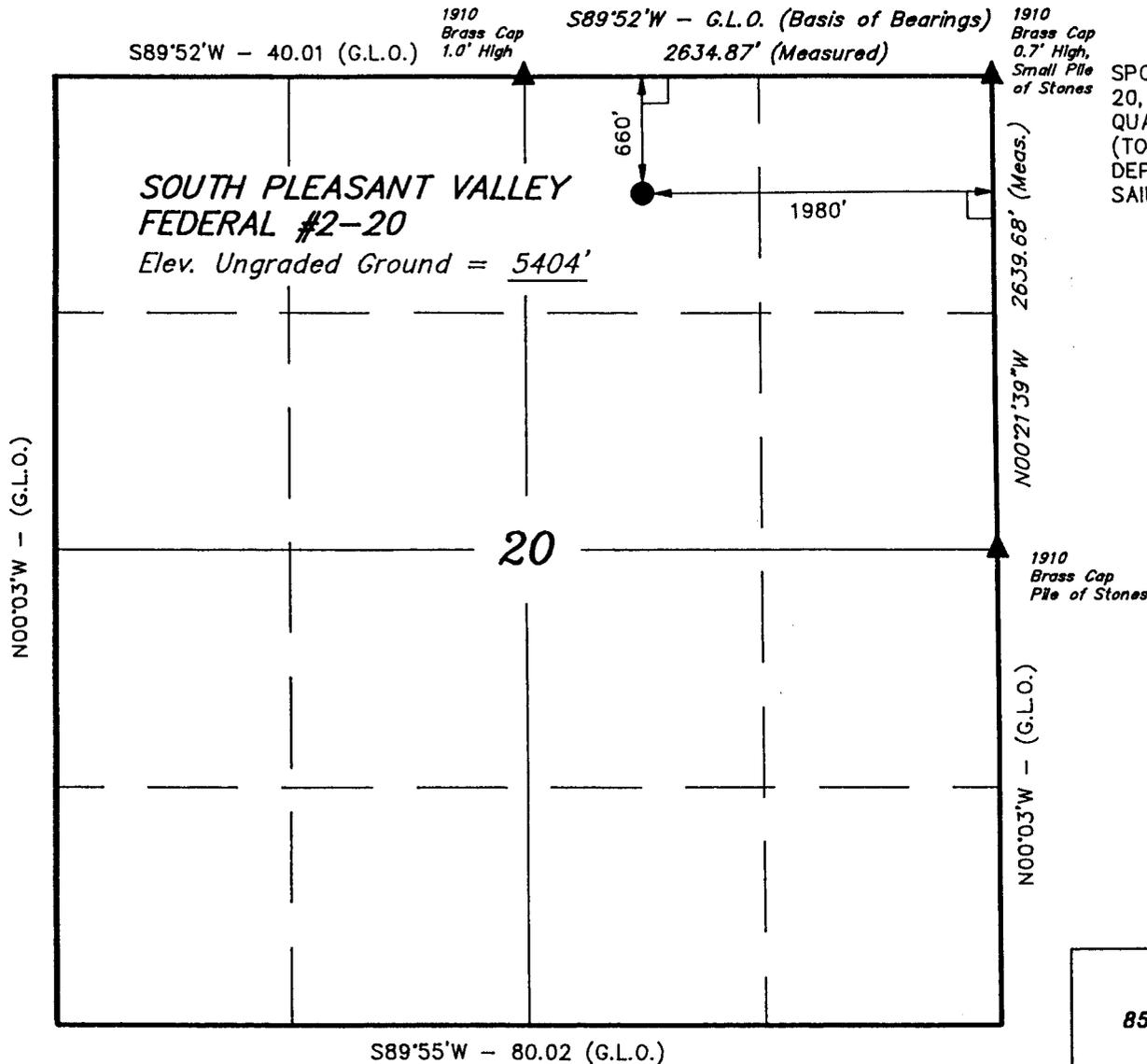
**INLAND PRODUCTION CO.**

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

Well location, SOUTH PLEASANT VALLEY  
FEDERAL #2-20, located as shown in the  
NW 1/4 NE 1/4 of Section 20, T9S, R17E,  
S.L.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION  
20, 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 5332 FEET.



**CERTIFICATE**

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

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

**LEGEND:**

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

<b>UNTAEH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-4-96	DATE DRAWN: 10-4-96
PARTY D.K. K.S. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO.	

**INLAND PRODUCTION COMPANY  
SOUTH PLEASANT VALLEY FEDERAL #2-20  
NW/NE SECTION 20, 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' - 3030'
Green River	3030'
Wasatch	6500'

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

Green River Formation 3030' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

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

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

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

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

(See Exhibit F)

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

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green river Formation @ 3050'±, to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer 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.

**SOUTH PLEASANT VALLEY FEDERAL #2-26****7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

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

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

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

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

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

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

It is anticipated that the drilling operations will commence in November, 1996 and take approximately six (6) days to drill.

RAM TYPE B.O.P.

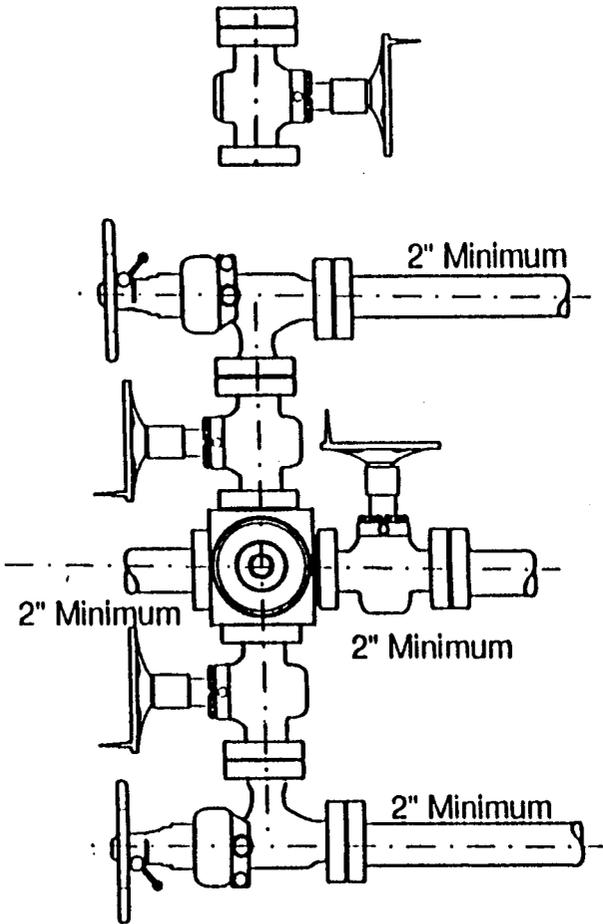
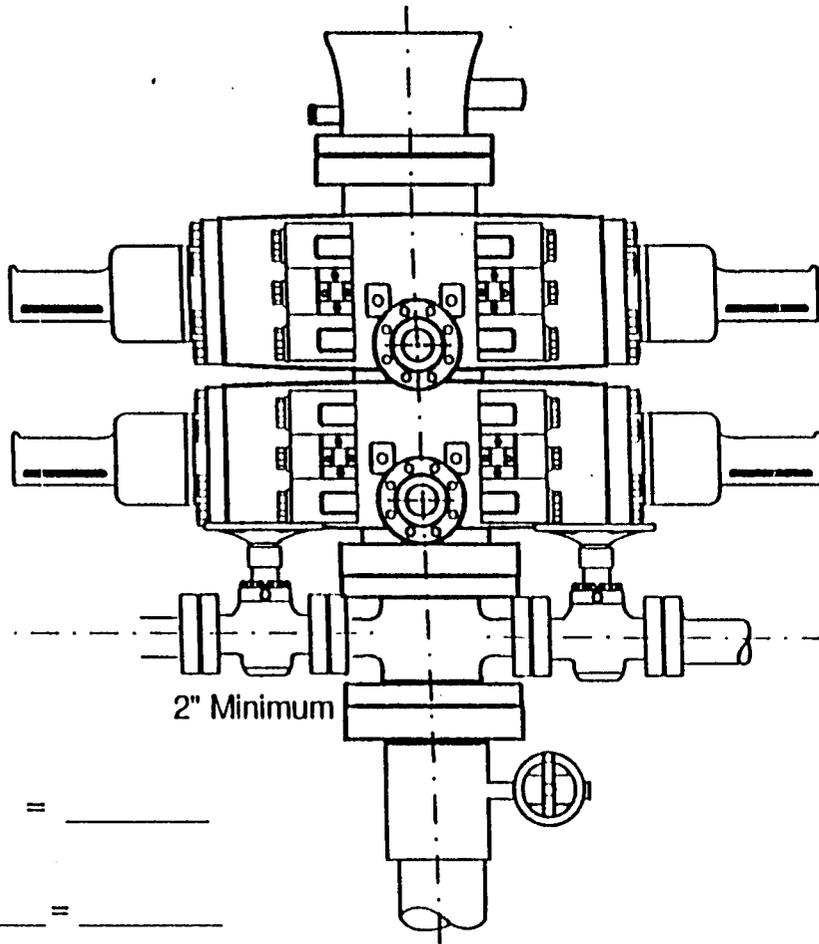
Make:

Size:

Model:

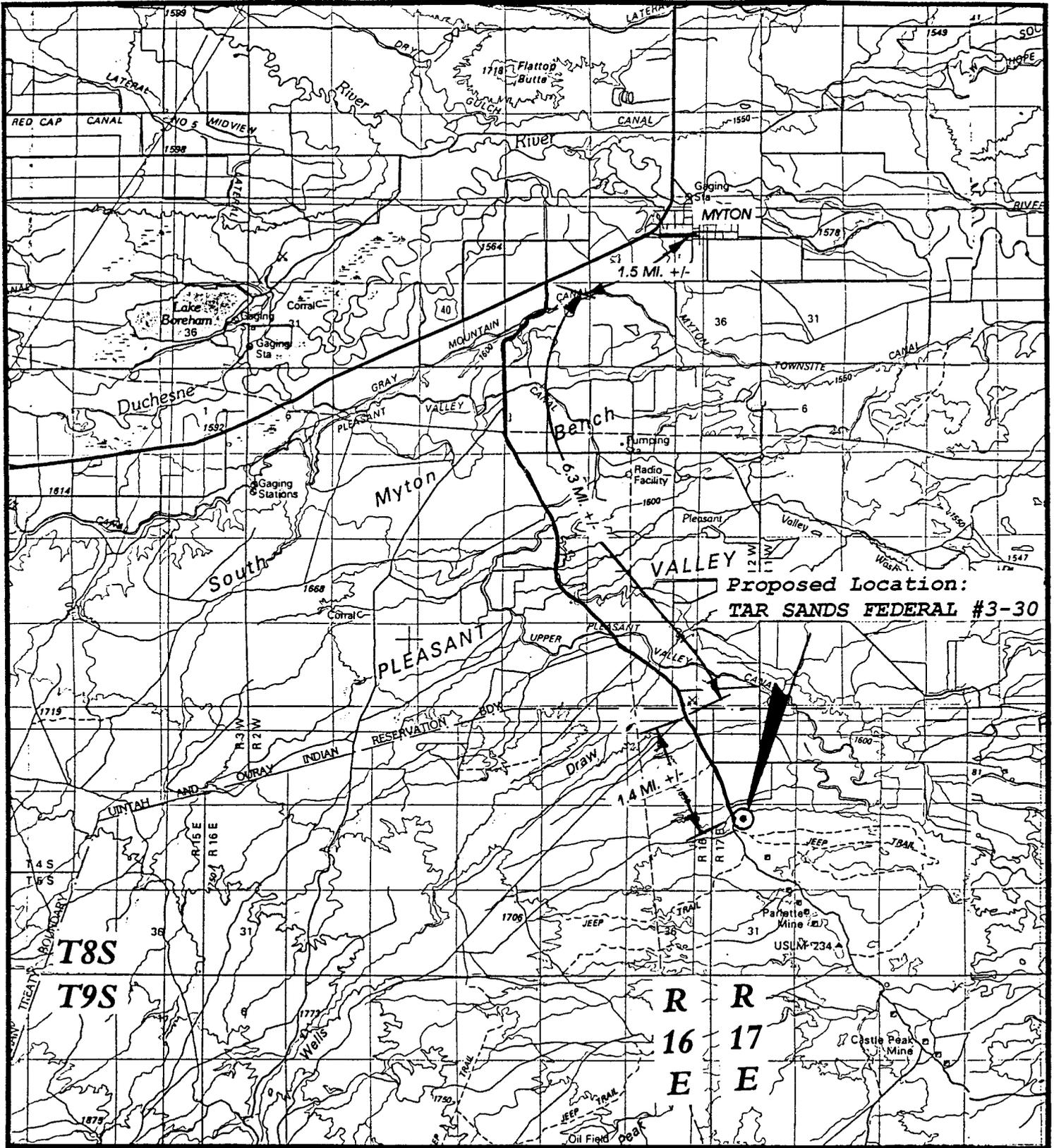
# 2-M SYSTEM

EXHIBIT F



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

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

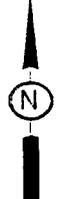


Proposed Location:  
**TAR SANDS FEDERAL #3-30**

**UELS**

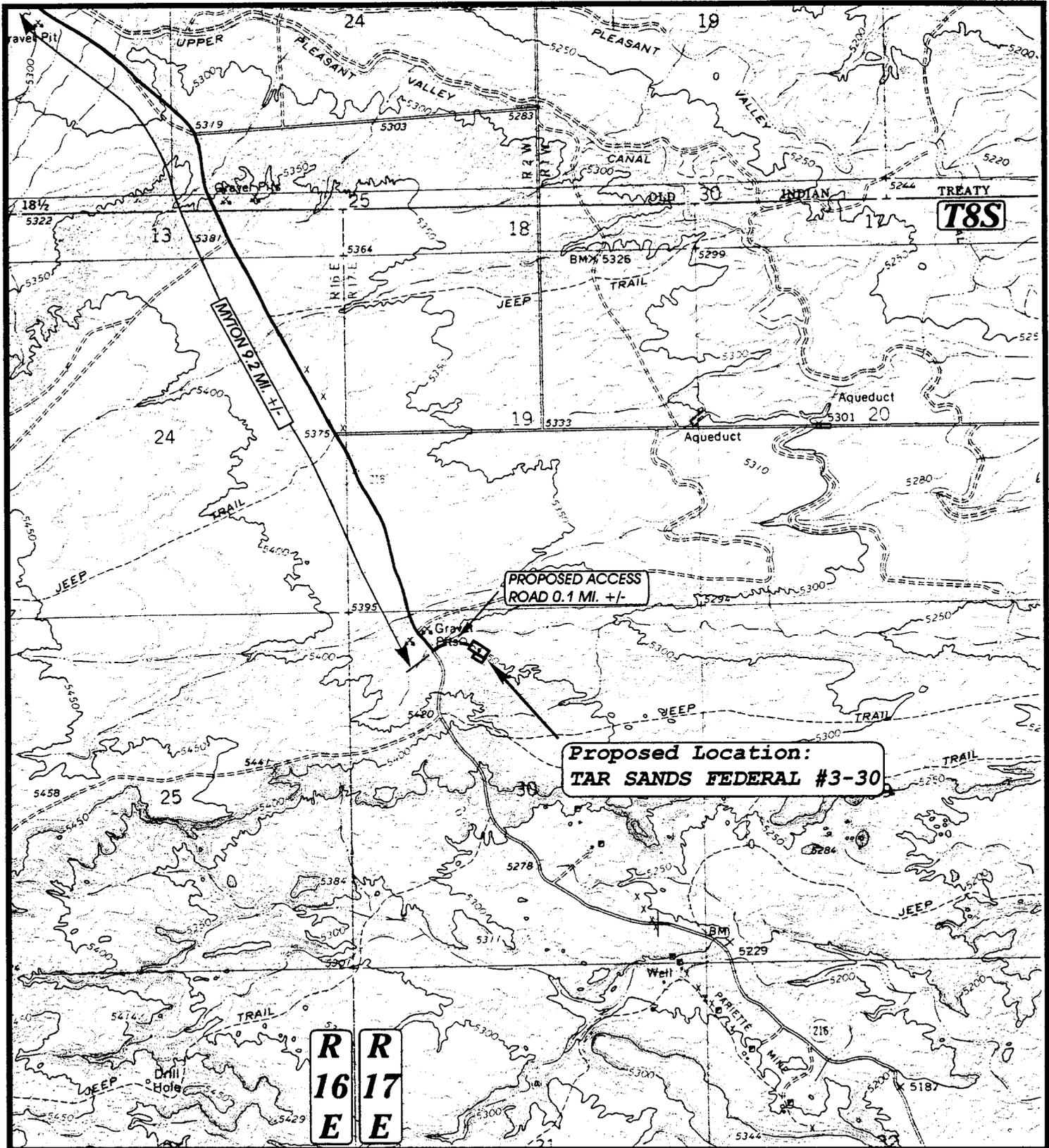
**TOPOGRAPHIC  
 MAP "A"**

DATE: 7-19-96  
 Drawn by: C.G.



**INLAND PRODUCTION COMPANY**

**TAR SANDS FEDERAL #3-30  
 SECTION 30, T8S, R17E, S.L.B.&M.  
 584' FNL 1898' FWL**



**UEIS**

**TOPOGRAPHIC  
MAP "B"**

**DATE: 7-23-96  
Drawn by: D.R.B.**

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



**SCALE: 1" = 2000'**

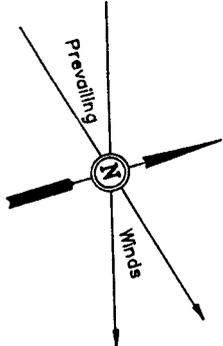
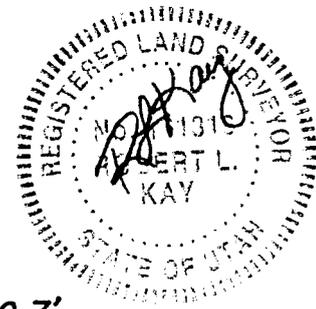
**INLAND PRODUCTION CO.  
TAR SANDS FEDERAL #3-30  
SECTION 30, T8S, R17E, S.L.B.&M.  
584' FNL 1898' FWL**

INLAND PRODUCTION CO.

LOCATION LAYOUT FOR

TAR SAND FEDERAL #3-30  
SECTION 30, T8S, R17E, S.L.B.&M.

584' FNL 1898' FWL



SCALE: 1" = 50'  
DATE: 7-20-96  
Drawn By: D.R.B.

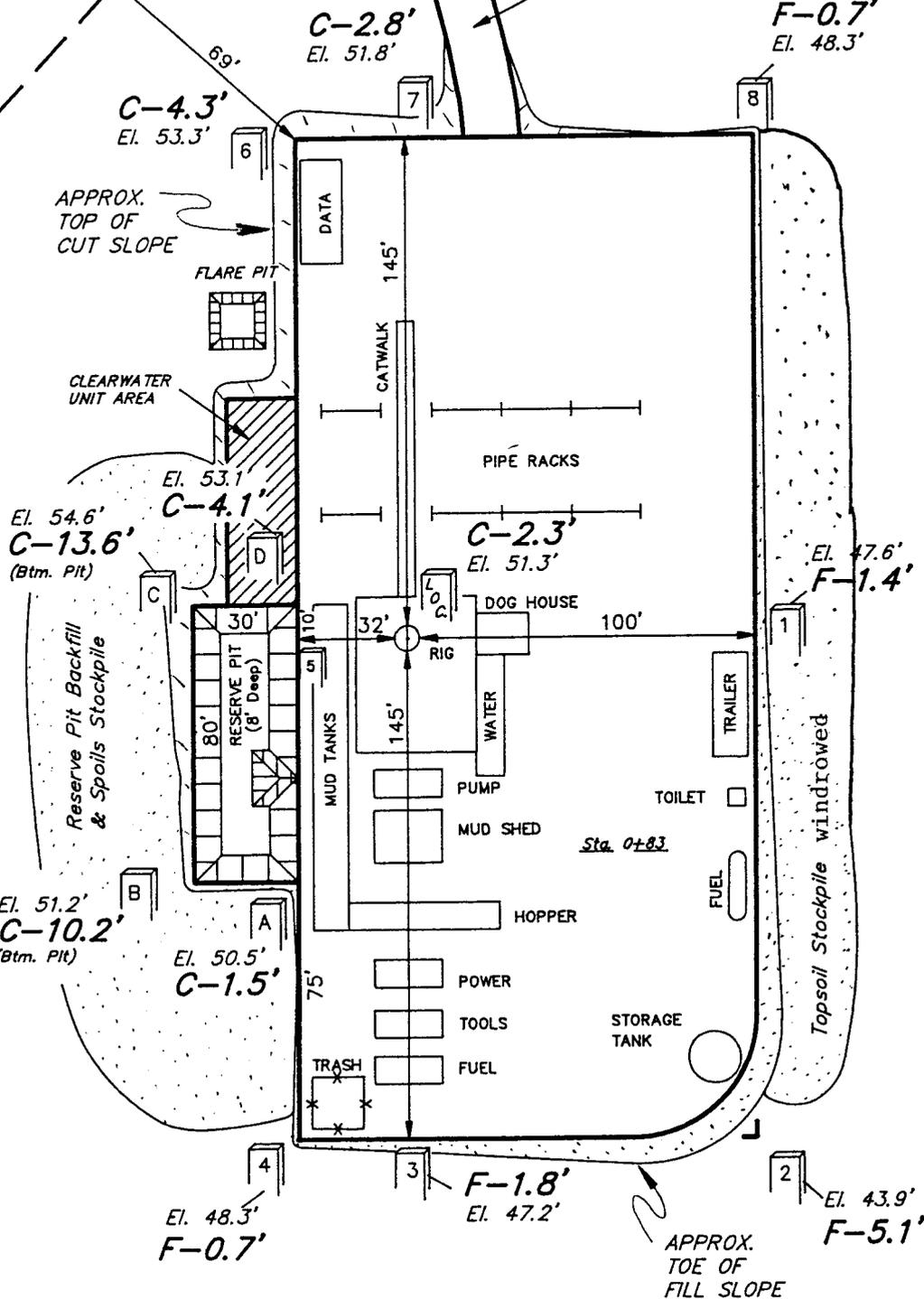
GILSONITE VEIN

Proposed Access Road

Sta. 2+90

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

NOTE:  
PIT CAPACITY WITH 2' OF FREEBOARD = 1,500 Bbls.



Sta. 1+45

Sta. 0+00

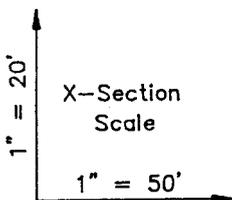
Elev. Ungraded Ground at Location Stake = 5351.3  
Elev. Graded Ground at Location Stake = 5349.0'

**INLAND PRODUCTION CO.**

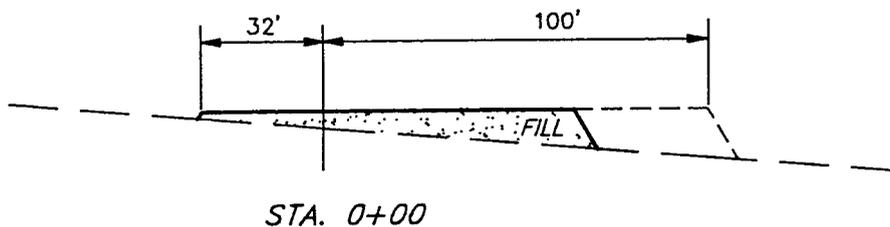
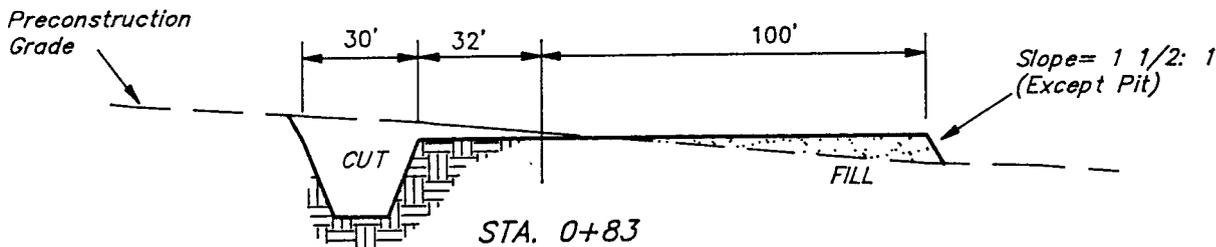
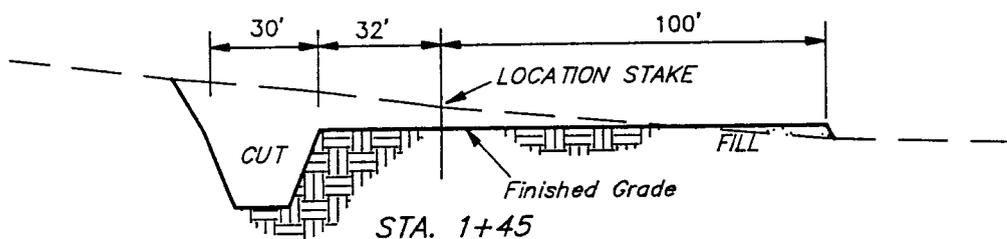
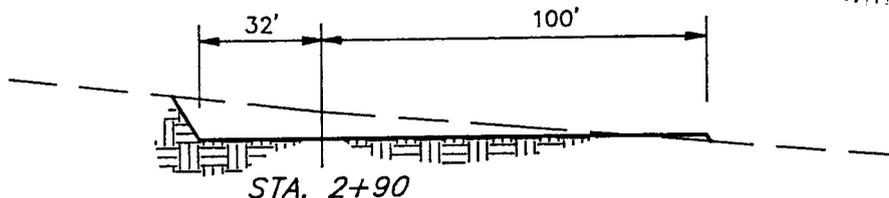
**TYPICAL CROSS SECTIONS FOR**

TAR SAND FEDERAL #3-30  
SECTION 30, T8S, R17E, S.L.B.&M.

584' FNL 1898' FWL



DATE: 7-22-96  
Drawn By: D.R.B.



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 750 Cu. Yds.
Remaining Location	= 1,780 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 2,530 CU.YDS.</b>
<b>FILL</b>	<b>= 1,460 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 990 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 990 Cu. Yds.
EXCESS MATERIAL After Reserve Pit is Backfilled & Topsoil is Re-distributed	= 0 Cu. Yds.

**INLAND PRODUCTION COMPANY  
TAR SANDS FEDERAL #3-30  
NE/NW SECTION 30, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Tar Sands Federal #3-30 located in the NE 1/4 NW 1/4 Section 30, T8S, R17E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southeasterly along Utah State Highway 7.7 miles to the beginning of the proposed access road, to be discussed in item #2.

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

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

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

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NW 1/4 NW 1/4 Section 30, T8S, R17E, S.L.B., and proceeds in a northeasterly direction approximately .1 mile  $\pm$ , to the proposed location site.

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

**TAR SANDS FEDERAL #3-30**

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

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

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

3. **LOCATION OF EXISTING WELLS**

There are twelve (12) producing Inland Production wells, within a one (1) mile radius of this well. See Exhibit "D".

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

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

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

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

Tank batteries will be built to BLM specifications.

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 oilfield. Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Tar Sands Federal #3-30.

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

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

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

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

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

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

A portable toilet will be provided for human waste.

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

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

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

No flare pit will be used at this location.

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

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

The east corner will be rounded to avoid drainage.

## TAR SANDS FEDERAL #3-30

### Fencing Requirements

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

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

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

### 10. PLANS FOR RESTORATION OF SURFACE

#### a) *Producing Location*

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

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

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

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

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

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

12. **OTHER ADDITIONAL INFORMATION**

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

The Archaeological Cultural Resource Survey 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 Tar Sands Federal #3-30, 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 Tar Sands Federal #3-30, 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.

TAR SANDS FEDERAL #3-30

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Tar Sands Federal #3-30 NE/NW Section 30, Township 8S, Range 17E: Lease U-74869, 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.

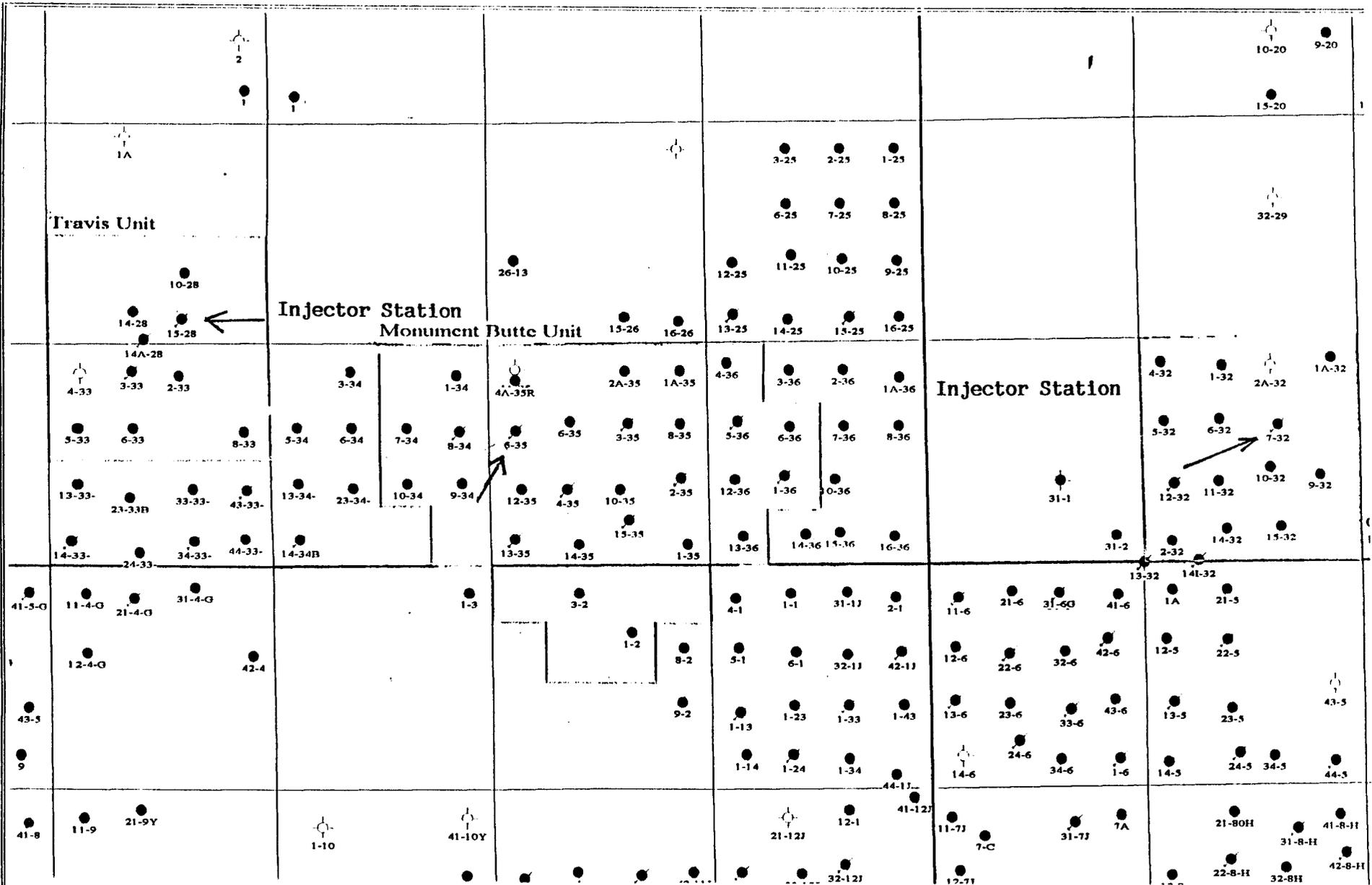
10-15-96

Date

Brad Mecham

Brad Mecham  
District Manager

EXHIBIT "C"



**Inland**  
ENERGIES INC.

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

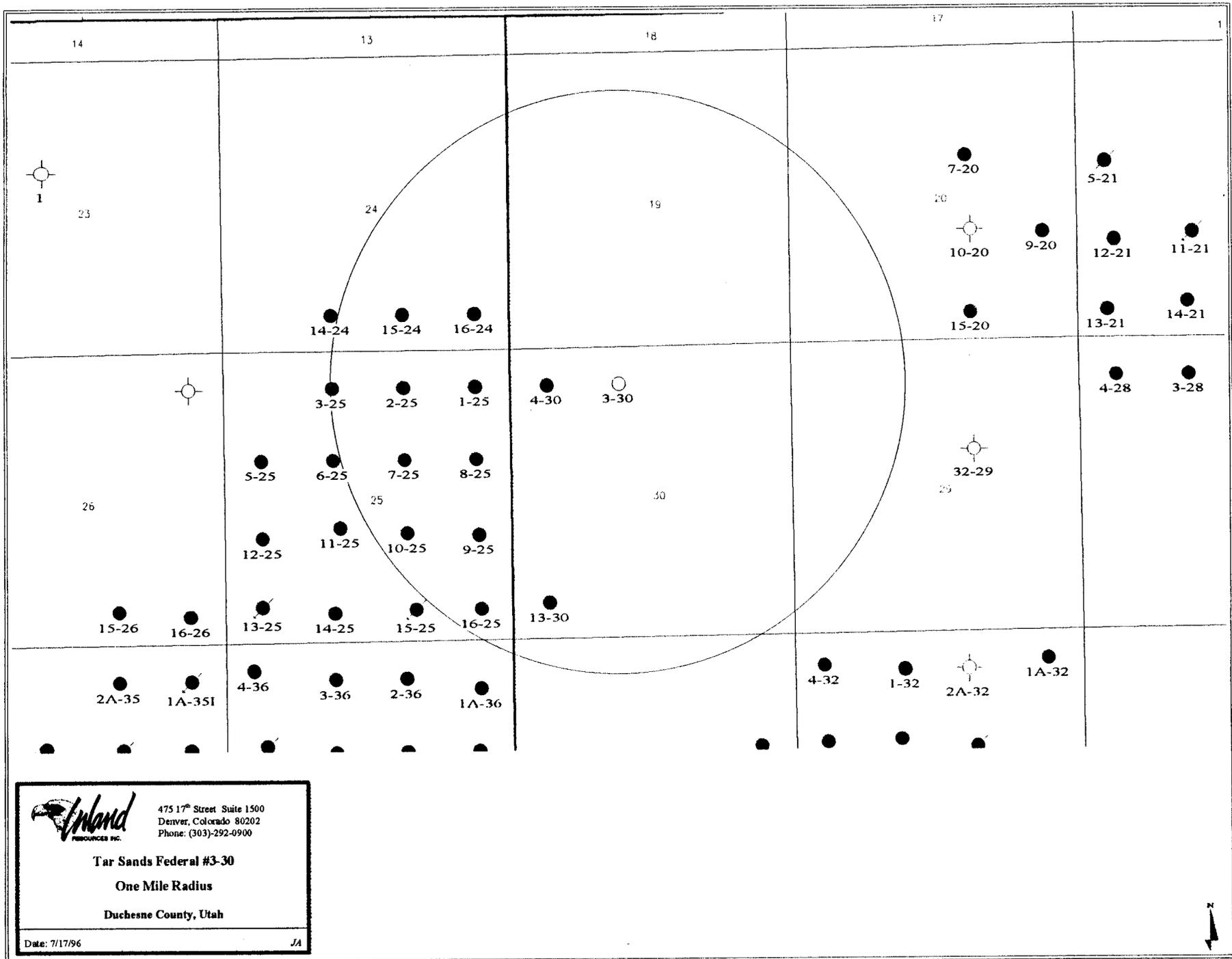
**Regional Area**

Duchesne Counties, Utah

Date: 5/7/96 J.A.



EXHIBIT "D"




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

**Tar Sands Federal #3-30**  
**One Mile Radius**  
**Duchesne County, Utah**

Date: 7/17/96 JA

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/18/96

API NO. ASSIGNED: 43-013-31737

WELL NAME: S. PLEASANT VALLEY FED 2-20  
 OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:  
 NWNE 20 - T09S - R17E  
 SURFACE: 0660-FNL-1980-FEL  
 BOTTOM: 0660-FNL-1980-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 13905

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 WATER INJECTION WELL)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

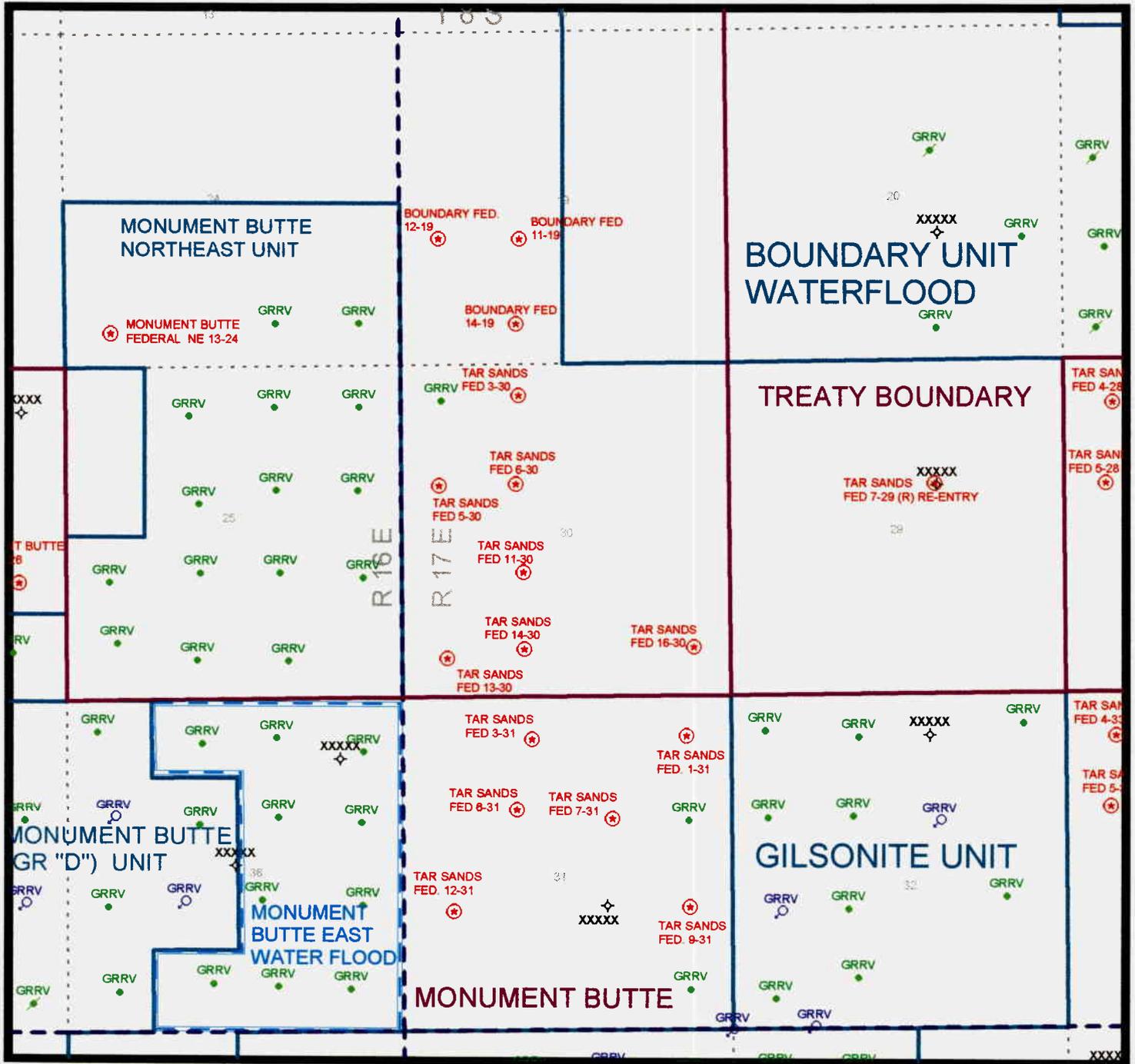
LOCATION AND SITING:

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

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

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

**OPERATOR: INLAND PRODUCTION**  
**FIELD: MONUMENT BUTTE (105)**  
**SECTION: 30 T8S R17E**  
**COUNTY: DUCHESNE**  
**SPACING: UAC R649-3-2**



PREPARED:  
 DATE: 21-OCT-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: INLAND PRODUCTION CO	Well Name: S.PLEASANT VALLEY 2-
Project ID: 43-013-31737	Location: SEC. 20 - T9S - R17E

Design Parameters:

Mud weight (10.00 ppg) : 0.519 psi/ft  
 Shut in surface pressure : 2860 psi  
 Internal gradient (burst) : 0.079 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,500	5.500	15.50	J-55	ST&C	6,500	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	3377	4040	1.196	3377	4810	1.42	100.75	202	2.00 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 11-20-1996  
 Remarks :

GRRV

Minimum segment length for the 6,500 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 126°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and 3,377 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

November 20, 1996

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

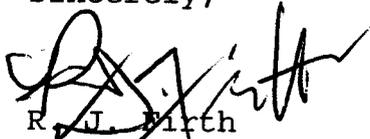
Re: S. Pleasant Valley Federal 2-20 Well, 660' FNL, 1980' FEL,  
NW NE, Sec. 20, T. 9 S., R. 17 E., Duchesne County, Utah

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 43-013-31737.

Sincerely,

  
R. J. Birt  
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 Federal 2-20  
API Number: 43-013-31737  
Lease: U-13905  
Location: NW NE Sec. 20 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 Jimmie Thompson at (801)538-5336.

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

3. Reporting Requirements

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

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

RECEIVED

OCT 18 1996

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-13905**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**S. Pleasant Valley Federal**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**S. Pleasant Valley Federal**

9. WELL NO.  
**#2-20**

10. FIELD AND POOL OR WILDCAT

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 20, T9S, R17E**

12. County  
**Duchesne**

13. STATE  
**UT**

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

3. ADDRESS OF OPERATOR  
**P.O. Box 790233 Vernal, UT 84079-0233 Phone: (801) 789-1866**

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**15.6 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) <b>660'</b>	16. NO. OF ACRES IN LEASE <b>2272.26</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>3960'</b>	19. PROPOSED DEPTH <b>6500'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>

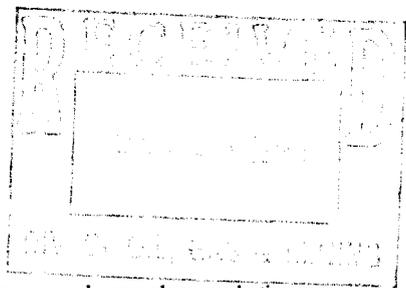
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5403'**

22. APPROX. DATE WORK WILL START\*  
**November, 1996**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G, 2% CaCl & 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/ 10% CaCl

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



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

24. SIGNED Brad Mechem *Brad Mechem* District Manager DATE 10/11/96

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *Jerry K...* TITLE **ACTING Assistant Field Manager Mineral Resources** DATE NOV 26 1996

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

**NOTICE OF APPROVAL**

\*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: South Pleasant Valley Federal 2-20

API Number: 43-013-31737

Lease Number: U -13905

Location: NWNE Sec. 20 T. 9S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at 828 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  628 ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

7. Other Information

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

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

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

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

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

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

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

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

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

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

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

Jerry Kenczka (801) 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.

**CONDITIONS OF APPROVAL**  
**FOR THE SURFACE USE PROGRAM OF THE**  
**APPLICATION FOR PERMIT TO DRILL**

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

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

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

-The topsoil should be windrowed between stakes 2 and 8, instead of being piled as shown on the cut sheet.

Mountain Plovers and Burrowing Owls - No surface disturbing activities, construction, or drilling operations including the initial completion activities are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect the nesting Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this restriction may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

An example of an exception could be to contact the authorized officer of BLM to coordinate additional surveys for mountain plover and burrowing owl. The notification will be required a minimum of 14 days prior to surface disturbance to allow time to conduct a wildlife survey. If an active nest or chicks are found, the proposed activity will be delayed until the chicks are out of downy plumage or the brood vacates the area.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas well     Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NE 660' FNL & 1980' FEL  
Sec. 20, T9S, R17E**

5. Lease Designation and Serial No.  
**U-13905**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.  
**S.P.V.F. #2-20**

9. API Well No.  
**43-013-31737**

10. Field and Pool, or Exploratory Area  
**S. Pleasant Valley**

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

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

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

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

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

**Drilled 12 1/4" hole w/ Leon Ross to 50'. Finished drlg to 305'. Set 304.5' (KB) of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx prem + w/ 2% CaCl, 2% gel + 1/4#/sk flocele.**

**SPUD 12/9/96**

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

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**12/13/96**

(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.

DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12045	43-013-31755	Tar Sands Federal #3-30	NENW	30	8S	17E	Duchesne	12/5/96	12/5/96
WELL 1 COMMENTS: <i>prev. added 12-5-96.</i>											
A	99999	12047	43-013-31737	S.P.V.F. #2-20	NWNE	20	9S	17E	Duchesne	12/9/96	12/9/96
WELL 2 COMMENTS: <i>Entity added 12-11-96. Jcc</i>											
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 COMMENTS section to explain why each Action Code was selected.  
 (3/89)

*Cheryl Cameron*  
 Signature Cheryl Cameron  
 Regulatory Compliance  
 Specialist  
 Title  
 Date 12/10/96  
 Phone No. (801) 789-1866

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: SOUTH PLEASANT VALLEY 2-20

Api No. 43-013-31737

Section 20 Township 9S Range 17E County DUCHESNE

Drilling Contractor CAZA

Rig #: 56

SPUDDED:

Date: 12/27/96

Time: \_\_\_\_\_

How: ROTARY

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

Reported by: D. INGRAM

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

Date: 1/2/97 Signed: JLT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
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5. Lease Designation and Serial No.  
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6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

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*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas well     Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NE 660' FNL & 1980' FEL  
Sec. 20, T9S, 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 WEEK OF 12/28/96 - 1/3/97:**

**Drilled 7 7/8" hole w/ Caza, Rig #56 from 305' - 5840'. Set 5838' (KB) of 5 1/2" 15.5# J-55 csg. Cmt w/ 20 bbls dye flush, 20 bbls gel flush & 310 sx Hibond (modified), followed by 285 sx Thixo w/ 10% CalSeal.**

**RDMOL**

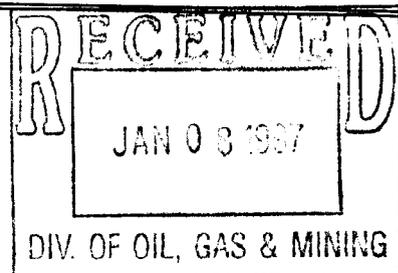
14. I hereby certify that the foregoing is true and correct

Signed *Cheryl Cameron* Title Regulatory Compliance Specialist Date 1/6/97  
**Cheryl Cameron**

(This space of Federal or State office use.)

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

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



\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>U-13905</b>
2. Name of Operator <b>Inland Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866</b>	7. If unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>NW/NE Sec. 20, T9S, R17E</b>	8. Well Name and No. <b>S.P.V.F. #2-20</b>
	9. API Well No. <b>43-013-31737</b>
	10. Field and Pool, or Exploratory Area
	11. County or Parish, State <b>Duchesne, UT</b>

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

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

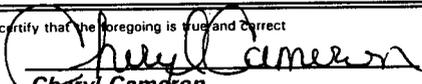
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR WEEK OF 1/22/97 - 1/29/97:**

**Perf LDC sd 4922'-4925', 5930'-4940', 4969'-4972'**  
**Perf A-3 sd 4841'-4855'**  
**Perf C sd 4511'-4519', 4527'-4534'**

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

Signed  Title Regulatory Compliance Specialist Date 1/30/97

**Cheryl Cameron**

(This space of Federal or State office use.)

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

Conditions of approval, if any:

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>U-13905</b>
2. Name of Operator <b>Inland Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866</b>	7. If unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>NW/NE Sec. 20, T9S, R17E</b>	8. Well Name and No. <b>S.P.V.F. #2-20</b>
	9. API Well No. <b>43-013-31737</b>
	10. Field and Pool, or Exploratory Area
	11. County or Parish, State <b>Duchesne, UT</b>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Weekly Status</u>	<input type="checkbox"/> Dispose Water
		<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

**WEEKLY STATUS REPORT FOR WEEK OF 1/30/97 - 1/31/97:**

**RIH w/ production string  
ON PRODUCTION 1/30/97**

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

Signature: *Cheryl Cameron* Title: Regulatory Compliance Specialist Date: 2/4/97  
**Cheryl Cameron**

(This space of Federal or State office use.)

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

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEPEN  REIN BACK  DIFF. CENSR  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface NW/NE  
 At top prod. interval reported below 660' FNL & 1980' FEL  
 At total depth \_\_\_\_\_

5. LEASE DENIGATION AND SERIAL NO.  
U-13905

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_  
 7. LEASE AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
S. Pleasant Valley Fed.

9. WELL NO.  
2-20

10. FIELD AND POOL, OR WILDCAT  
S. Pleasant Valley

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA  
Sec. 20, T9S, R17E

14. PERMIT NO. UTO80 7M 018 DATE ISSUED 11/26/96  
 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE RECYCLED 12/9/96 16. DATE T.D. REACHED 1/1/97 17. DATE COMPL. (Ready to prod.) 1/30/97 18. ELEVATION (DF. RSB, RT. OR, ETC.)\* 5403' GR 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 5840' 21. PLUG BACK T.D., MD & TVD 5774' 22. IF MULTIPLE COMPLET. HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS X

24. PRODUCING INTERVAL(S). OF THIS COMPLETION-- TOP, BOTTOM, NAME (MD AND TVD)\* Green River  
 4922'-4925', 4930'-4940', 4969'-4972', 4841'-4855',  
 4511'-4519', 4527'-4534'

25. WAS DIRECTIONAL SURVEY MADE No  
 26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, DLL, CNL 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	291.5'	12 1/4	120 sx Prem + w/ 2% CC, 2% gel + #/skf flocele	
5 1/2	15.5#	5838' KB	7 7/8	20 bbls dye flush, 20 bbls gel flush & 310 sx hibond & 285 sx Thixo w/ 10% CalSeal. Displace w/ 138 bbls Clayfix.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)  
 LDC 4922'-4925', 4930'-4940', 4969'-4972'  
 A-3 4841'-4855'  
 C 4511'-4519', 4527'-4534'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH (INTERVAL (MD)) AMOUNT AND KIND OF MATERIAL USED  
 See back

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
1/30/97	Pumping - 2 1/2" X 1 1/2" X 15' RHAC pump	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
14 day avg		N/A		73	53	5	.726
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.)  
 Sold & Used for Fuel

35. LIST OF ATTACHMENTS  
 Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Cheryl Cameron TITLE Regulatory Compliance Specialist DATE 2/27/97

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

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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
Point 3 Mkr	3952'		#32.			
X Mkr	4186'		Perf LDC sd 4922'-4925', 4930'-4940'			
Y Mkr	4220'		4969'-4972'			
Douglas Ck Mkr	4342'		A-3 sd 4841'-4855'			
Bicarbonate Mkr	4565'		Frac w/ 155,400# 20/40 sd in 721 bbls boragel			
B Limestone Mkr	4666'					
Castle Peak	5200'		Perf C sd 4511'-4519', 4527'-4534'			
Basal Carbonate	NDE		Frac w/ 110,400# 20/40 sd in 549 bbls boragel			

**Inland Production Co.**

**FOR YOUR INFORMATION**

To: **State of Utah/Krista**

Company:

Fax number: **+1 (801) 359-3940**

Business phone:

From: **Cheryl Cameron**

Fax number: **+1 (801) 789-1877**

Home phone:

Business phone: **801-789-1866**

Date & Time: **2/27/97 1:46:51 PM**

Pages sent: **2**

Re: **S. Pleasant Valley Federal #2-20 Well Completion Report**

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**The hard copy & logs will be mailed out by tomorrow.**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

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

2. NAME OF OPERATOR  
Inland Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface NW/NE  
At top prod. interval reported below 660' FNL & 1980' FEL  
At total depth \_\_\_\_\_

14. PERMIT NO. DATE ISSUED  
API No. 43-013-31737 UT080 7M 018 11/26/96  
12. COUNTY OR PARISH 13. STATE  
Duchesne UT

5. LEASE DESIGNATION AND SERIAL NO. U-13905  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_  
7. UNIT AGREEMENT NAME \_\_\_\_\_  
8. FARM OR LEASE NAME S. Pleasant Valley Fed.  
9. WELL NO. 2-20  
10. FIELD AND POOL, OR WILDCAT S. Pleasant Valley  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 20, T9S, R17E

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
12/9/96 1/1/97 1/30/97 5403' GR ---

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS  
5840' 5774' \_\_\_\_\_ X \_\_\_\_\_  
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Green River  
4922'-4925', 4930'-4940', 4969'-4972', 4841'-4855', 4511'-4519', 4527'-4534'  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, DLL, CNL 2-28-97  
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	291.5'	12 1/4	120 sx Prem + w/ 2% CC, 2%	gel + 1/4#/sk flocele
5 1/2	15.5#	5838' KB	7 7/8	20 bbls dye flush, 20 bbls	gel flush & 310
				sx hibond & 285 sx Thixo w/ 10% CalSeal.	
				Displace w/ 138 bbls Clayflux.	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

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

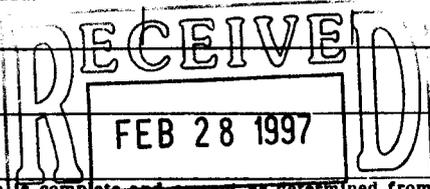
PERFORATION	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
LDC 4922'-4925', 4930'-4940', 4969'-4972' A-3 4841'-4855' C 4511'-4519', 4527'-4534'	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See back

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
1/30/97	Pumping - 2 1/2" X 1 1/2" X 15' RHAC pump	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
14 day avg		N/A		73	53	5	.726
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.) Sold & Used for Fuel  
TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Logs in Item #26



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

SIGNED Cheryl Cameron TITLE Compliance Specialist DATE 2/27/97

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

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

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GEOLOGIC MARKERS

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Douglas Ck Mkr	4342'		A-3 sd 4841'-4855'			
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Castle Peak	5200'					
Basal Carbonate	NDE		Perf C sd 4511'-4519', 4527'-4534'			
			Frac w/ 110,400# 20/40 sd in 549 bbls boragel			

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.

**UTU-13905**

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 FEDERAL 2-20**

2. Name of Operator

**INLAND PRODUCTION COMPANY**

9. API Well No.

**43-013-31737**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**0660 FNL 1980 FEL NW/NE Section 20, T09S R17E**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

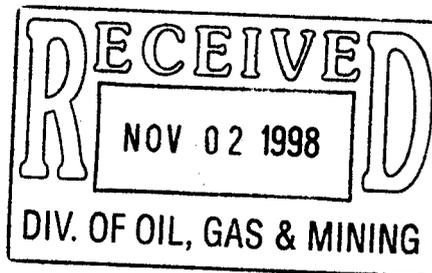
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Site Security

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.)\*

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



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

Signed

*Debbie E. Knight*

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

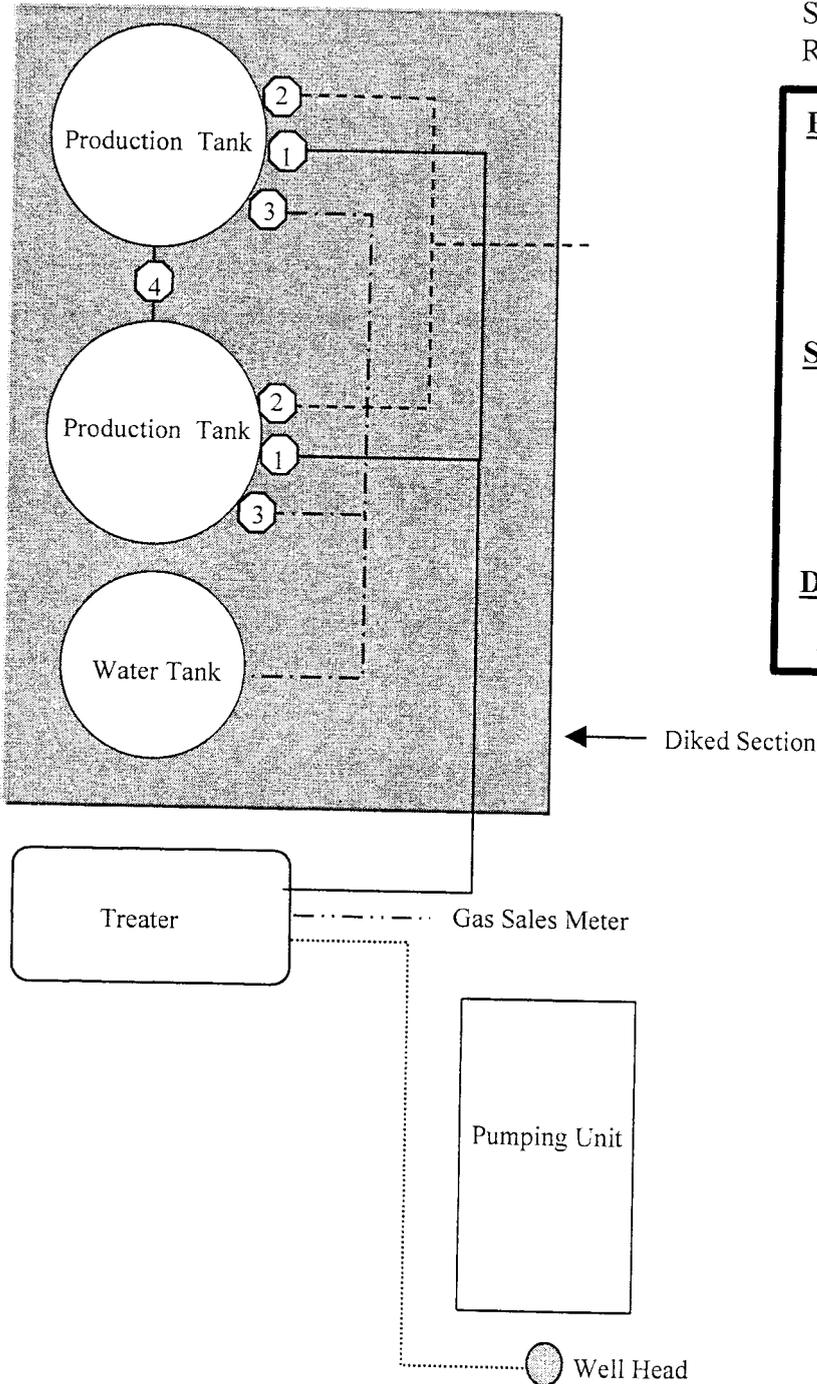
South Pleasant Valley 2-20

NW/NE Sec. 20, T9S, 17E

Duchesne County

Sept. 17, 1998

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



**Production Phase:**

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

**Sales Phase:**

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

**Draining Phase:**

- 1) Valve 3 open

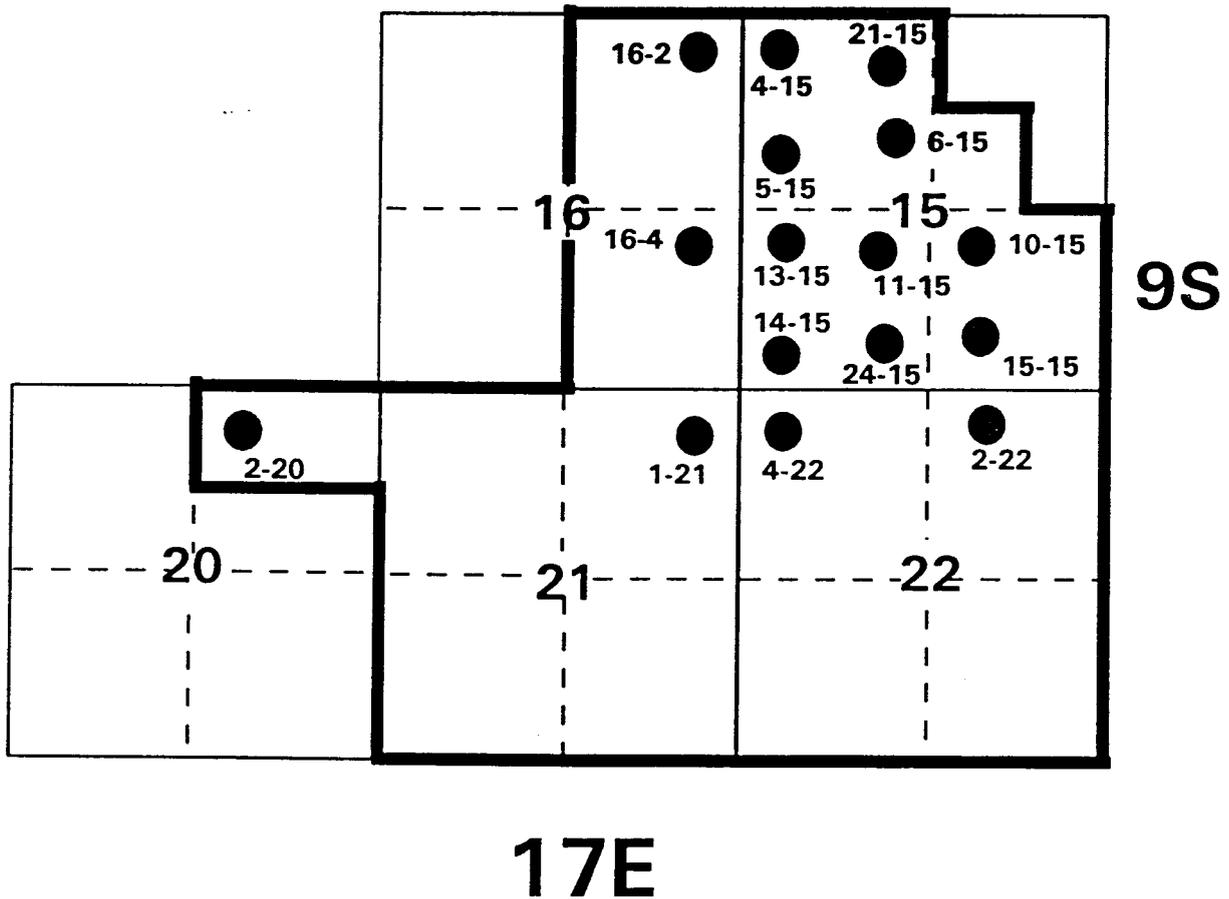
**Legend**

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

# LONE TREE (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1998



— UNIT OUTLINE (UTU77236X)  
2,200.00 ACRES

SECONDARY ALLOCATION	
FEDERAL	91.81%
STATE	9.19%

**LONE TREE UNIT WELL LISTING**

AS OF 7/13/98

T. 9S, R. 17E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
22	LONE TREE UNIT	SOUTH PLEASANT VALLEY #4-22	PROD	4301331522	11813
21	LONE TREE UNIT	SOUTH PLEASANT VALLEY #1-21	PROD	4301331563	11870
22	LONE TREE UNIT	S. PLEASANT VALLEY FED 3-22-9-17	PROD	4301332024	12332
* 20	LONE TREE UNIT	SOUTH PLEASANT VALLEY #2-20	PROD	4301331737	12047
15	LONE TREE UNIT	PLSNT VLY #21-15H	PROD	4301330641	6145
15	LONE TREE UNIT	PLSNT VLY FED #14-15H	PROD	4301331695	12101
15	LONE TREE UNIT	PLSNT VLY FED #13-15H	PROD	4301331698	12100
15	LONE TREE UNIT	S. PLEASANT VALLEY FED 4-15-9-17	PROD	4301332018	12317
15	LONE TREE UNIT	S. PLEASANT VALLEY 5-15	PROD	4301331810	12311
15	LONE TREE UNIT	S. PLEASANT VALLEY 6-15-9-17	PROD	4301332019	12319
15	LONE TREE UNIT	S. PLEASANT VALLEY 11-15	PROD	4301331941	12301
15	LONE TREE UNIT	S. PLEASANT VALLEY 15-15	PROD	4301331992	12303
15	LONE TREE UNIT	PLSNT VLY #24-15H	PROD	4301330681	6150
15	LONE TREE UNIT	S. PLEASANT VALLEY 7-15-9-17	PROD	4301332020	12356
15	LONE TREE UNIT	S. PLEASANT VALLEY 10-15	PROD	4301332022	12315
22	LONE TREE UNIT	S. PLEASANT VALLEY 2-22-9-17	PROD	4301332023	12326
16	LONE TREE UNIT	K JORGENSON ST 16-4	SI	4301330572	1452
16	LONE TREE UNIT	STATE #16-2	SI	4301330552	1451

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

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.

**UTU-13905**

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 FED 2-20**

9. API Well No.

**43-013-31737**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well

Gas Well

Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**0660 FNL 1980 FEL NW/NE Section 20, T9S R17E**

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

**TYPE OF SUBMISSION**

Notice of Intent

Subsequent Report

Final Abandonment Notice

**TYPE OF ACTION**

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other \_\_\_\_\_

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

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

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

Subject well had recompletion procedures initiated in the Green River formation on 3/4/2003. Existing production equipment was pulled from well. A bit & scraper was ran in well. One new Green River interval were perforated and hydraulically fracture treated as follows: Stage #1: GB2 sds @ 3830'-3836', GB4 sds @ 3886'-3899' and GB6 sds @ 3924'-3934' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 96,938# 20/40 mesh sand in 682 bbls Viking I-25 fluid. Frac was flowed back through chokes. Sand was cleaned from wellbore. New intervals were flow tested for sand cleanup. Bridge plug was removed from wellbore. BHA & production tbg were ran and anchored in well W/ tbg anchor @ 4887', pump seating nipple @ 4952' and end of tubing string @ 5015'. A repaired 1 1/2" bore rod pump was ran in well on sucker rods. Well returned to production via rod pump on 3/10/2003.

**RECEIVED**

**MAR 12 2003**

DIV. OF OIL, GAS & MINING

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

Signed

*Gary Dietz*  
Gary Dietz

Title

**Completion Foreman**

Date

**3/11/2003**

CC: UTAH DOGM

(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

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

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



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM:</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)**

**WELL(S)**

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**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JUN 02 2009

Ref: 8P-W-GW

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

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

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

RE: Additional Well: Lone Tree Area Permit  
Additional Testing Required on Injection well  
UIC Permit No. UT20853-00000  
Well ID: UT20853-08364  
South Pleasant Valley Federal 2-20-9-17  
660' FNL & 1980' FEL  
NWNE Sec. 20 T9S-R17E  
Duchesne County, Utah  
API #43-013-31737

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well South Pleasant Valley Federal 2-20-9-17 to an enhanced recovery injection well under the Lone Tree Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Lone Tree Area Permit No. UT20853-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,375 feet and the top of the Wasatch Formation, estimated at 5,744 feet.

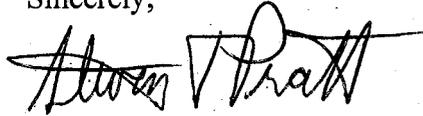
**RECEIVED**  
JUN 08 2009  
DIV. OF OIL, GAS & MINING

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a Part 1 (Internal) mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, (3) the results of a radioactive tracer survey within a 180-day authorization to inject, and (4) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the South Pleasant Valley Federal 2-20-9-17 was determined to be 1,415 psig. UIC Area Permit UT20853-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to ATTENTION: Sarah Bahrman, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



for

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

Enclosures: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Wellbore schematics for South Pleasant Valley  
Federal 2-20-9-17

cc: Permit Letter:  
Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20853-00000

The Lone Tree Unit Final UIC Area Permit No.UT20853-00000, effective September 1, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On February 26, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name: South Pleasant Valley Federal 2-20-9-17
EPA Well ID Number: UT 20853-08364
Location: 660' FNL & 1980' FEL
NWNE Sec. 20 T9S-R17E
Duchesne County, Utah
API #43-013-31737

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20853-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20853-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: JUN 02 2009

Handwritten signature of Stephen S. Tuber

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

\* The person holding this title is referred to as the Director throughout the permit and Authorization

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **South Pleasant Valley Federal 2-20-9-17**  
EPA Well ID Number: **UT20853-08364**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a **Radioactive Tracer Survey (RTS) is required** to demonstrate no significant upward migration of injection fluids behind the casing from the injection zone. It is intended that a maximum of 180 days of injection will allow the injection zone to adequately pressurize prior to executing the RTS.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,375 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 5,744 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1,415 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.81 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \underline{\mathbf{3,830 \text{ ft.}}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \underline{\mathbf{1,415 \text{ psig}}} \end{aligned}$$

UIC Area Permit No. UT20853-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 ft. above the top perforation.

### **Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

(2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,568 ft. to 2,714 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 146-foot balanced cement plug inside the 5-1/2" casing from approximately 2,568-2,714 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,231 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from approximately 1,171-1,291 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 466 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **South Pleasant Valley Federal 2-20-9-17**  
EPA Well ID Number: **UT20853-08364**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Lone Tree Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 416 ft. below ground surface in the South Pleasant Valley Federal 2-20-9-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):**

- TDS of the Garden Gulch and Douglas Creek Members of the Green River Formation Water: 19,740 mg/l.

- TDS of Beluga Facility Injection System source water: 8,822 mg/l.

The **injectate** is water from the Beluga Facility Injection System blended with produced Green River Formation Water resulting in TDS < 10,000 mg/l.

**Aquifer Exemption** is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 83 ft. of shale between the depths of 3,292 ft. and 3,375 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,369 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,375 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 5,744 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show 80% or greater cement bond index in the Confining Zone (3,292 to 3,375 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 305 ft. (KB) in a 12-1/4" hole, using 120 sacks Premium plus cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,838 ft. (KB) in a 7-7/8" hole secured with 595 sacks of cement. Total driller depth 5,840 ft. Plugged back total depth is 5,785 ft. EPA calculates top of cement at 1,345 ft. Estimated CBL top of cement is 90 ft.

**Perforations:** Top perforation: 3,830 ft. (KB)      Bottom perforation: 4,972 ft. (KB)

Authorization for Additional Well: UIC Area Permit UT20853-00000  
Well: South Pleasant Valley Federal 2-20-9-17 EPA Well ID: UT20853-08364

## **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following two wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the South Pleasant Valley Federal 2-20-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Federal 7-20-9-17                      API: 43-013-33226                      SWNE Sec. 20-T9S-R17E

Well: Lone Tree Federal 1-20-9-17    API: 43-013-32639                      NENE Sec. 20-T9S-R17E

### **Corrective Action Not Required on two AOR wells:**

Well: Federal 7-20-9-17                      API: 43-013-33226                      SWNE Sec. 20-T9S-R17E  
Shows 38 ft. of 80 percent cement bond or greater from 3,153-3,191 ft.

Well: Lone Tree Federal 1-20-9-17    API: 43-013-32639                      NENE Sec. 20-T9S-R17E  
Shows 630 ft of 80 percent or greater cement bond index from 3,154-3,784 ft, which includes cement across the confining zone.

### **Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

*Authorization for Additional Well: UIC Area Permit UT20853-00000  
Well: South Pleasant Valley Federal 2-20-9-17 EPA Well ID: UT20853-08364*

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

# South Pleasant Valley Federal 2-20-9-17

Spud Date: 12/9/96  
 put on Production: 1/30/97  
 GL: 5403' KB: 5416'

Initial Production: 73 BOPD,  
 53 MCFPD, 5 BWPD

✓ **SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 291.48'  
 DEPTH LANDED: 304.5'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium plus w/2% CaCl<sub>2</sub>, 2% gel, 1/4#/sx floccle

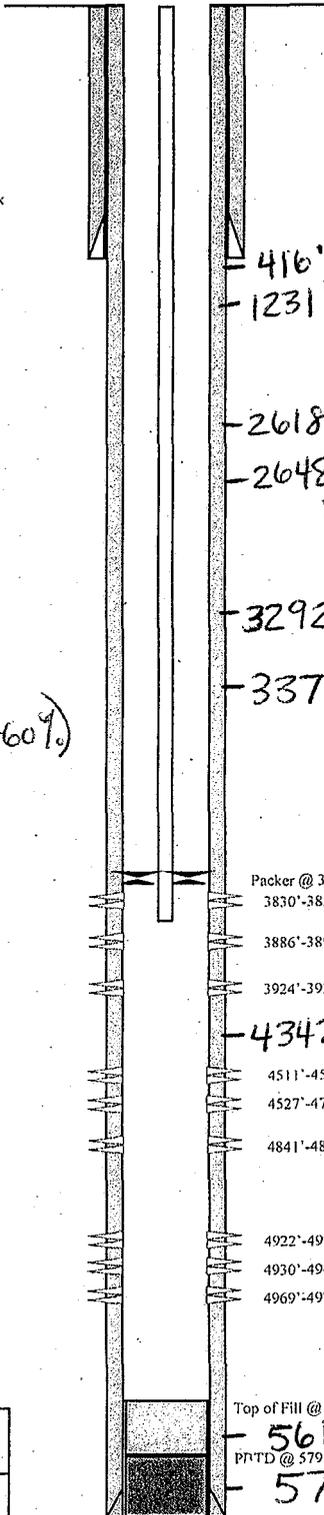
✓ **PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (?)  
 DEPTH LANDED: 5838'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 310 sx Hibond 65 modified & 285 sxs thixotropic w/10% CalSeal  
 CEMENT TOP AT: 90'

No 80% cement bond index  
 in Confining Zone  
 (Best - 50-60%)

**TUBING**  
 SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 157 jts (4892.09')  
 TUBING ANCHOR: 4902.09' KB  
 NO. OF JOINTS: 2 jts (63.79')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4968.68'  
 NO. OF JOINTS: 2 jts (63.55')  
 TOTAL STRING LENGTH: EOT @ 5033.78'

Proposed Injection Wellbore Diagram



**FRAC JOB**

1/24/97 4841'-4972' Frac LODC & A-3 sands as follows:  
 155,400# of 20/40 sand in 721 bbls of Boragel. Breakdown @ 2964 psi. Treated @ avg rate of 32 bpm w/avg press of 2100 psi. ISIP-2518 psi, 5-min 2501 psi. Flowback on 12/64" ck for 5 hours and died.

1/27/97 4511'-4534' Frac C-Sand as follows:  
 110,400# of 20/40 sand in 549 bbls of Boragel. Breakdown @ 3226 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1900 psi. ISIP-2401 psi, 5-min-2192 psi. Flowback on 12/64" ck for 4 hours and died.

3/7/03 3830'-3934' Frac GB sands as follows:  
 96,938# of 20/40 sand in 682 bbls viking 1-25 fluid. Treated @ ave pressure 1860 psi W/ave rate of 26.5 BPM. ISIP-1950 psi. Calc. flush: 3830 gals. Actual flush: 3738 gals.

Tubing Leak: Update rod and tubing details.  
 Parted Rods: Update rod and tubing details.  
 Tubing Leak: Updated rod and tubing detail.  
 Pump Change: Update rod and tubing details.  
 Parted Rods: Rod & Tubing detail updated.  
 parted rods. Updated rod and tubing detail.

**PERFORATION RECORD**

Depth Range	Perforations	Holes
4922'-4925'	4 JSPF	12 holes
4930'-4940'	4 JSPF	40 holes
4969'-4972'	4 JSPF	12 holes
4841'-4855'	4 JSPF	55 holes
4511'-4519'	4 JSPF	32 holes
4527'-4534'	4 JSPF	28 holes
3/6/03 3830'-3836'	4 JSPF	24 holes
3/6/03 3886'-3899'	4 JSPF	52 holes
3/6/03 3924'-3934'	4 JSPF	40 holes

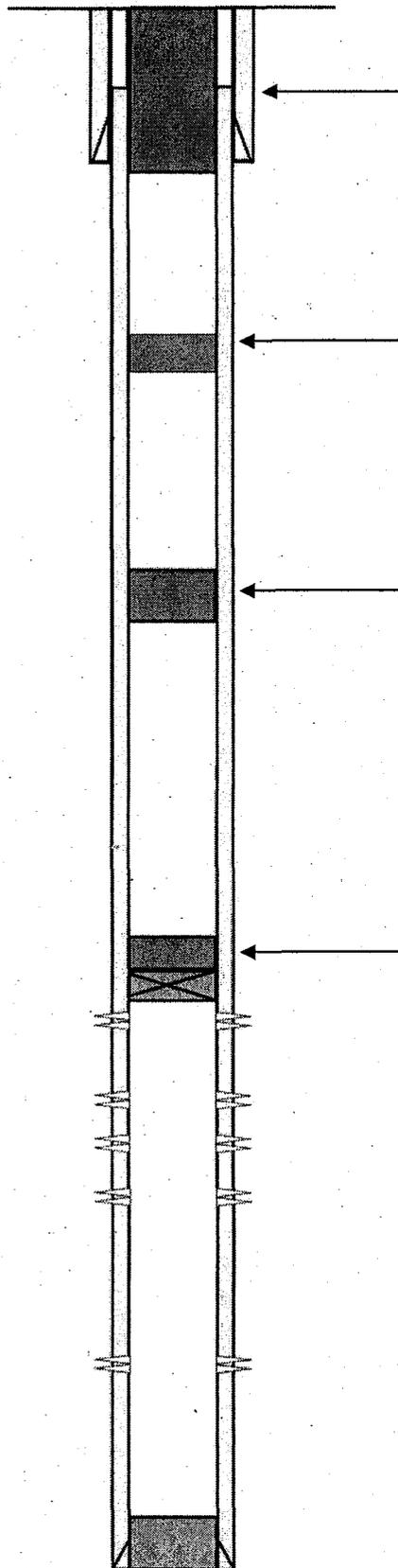
**NEWFIELD**

South Pleasant Valley Federal 2-20-9-17

660' FNL & 1980' FEL  
 NW/NE Section 20-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31737; Lease #UTU-13905

Top of Fill @ 5563'  
 5618' - Basal Carbonate  
 PRTD @ 5795'  
 5744' - Wasatch.  
 TD @ 5840' ✓

**Plugging and Abandonment Diagram for South Pleasant Valley Federal  
2-20-9-17**



Plug 4: Set a Class "G" cement plug within the 5-1/2" casing beginning at 466 ft and up the 5-1/2" x 8-5/8" casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation at 1,231 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the casing from approximately 1,171-1,291 ft.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 2,568 ft. to 2,714 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 146-foot balanced cement plug inside the casing from approximately 2,568 - 2,714 ft.

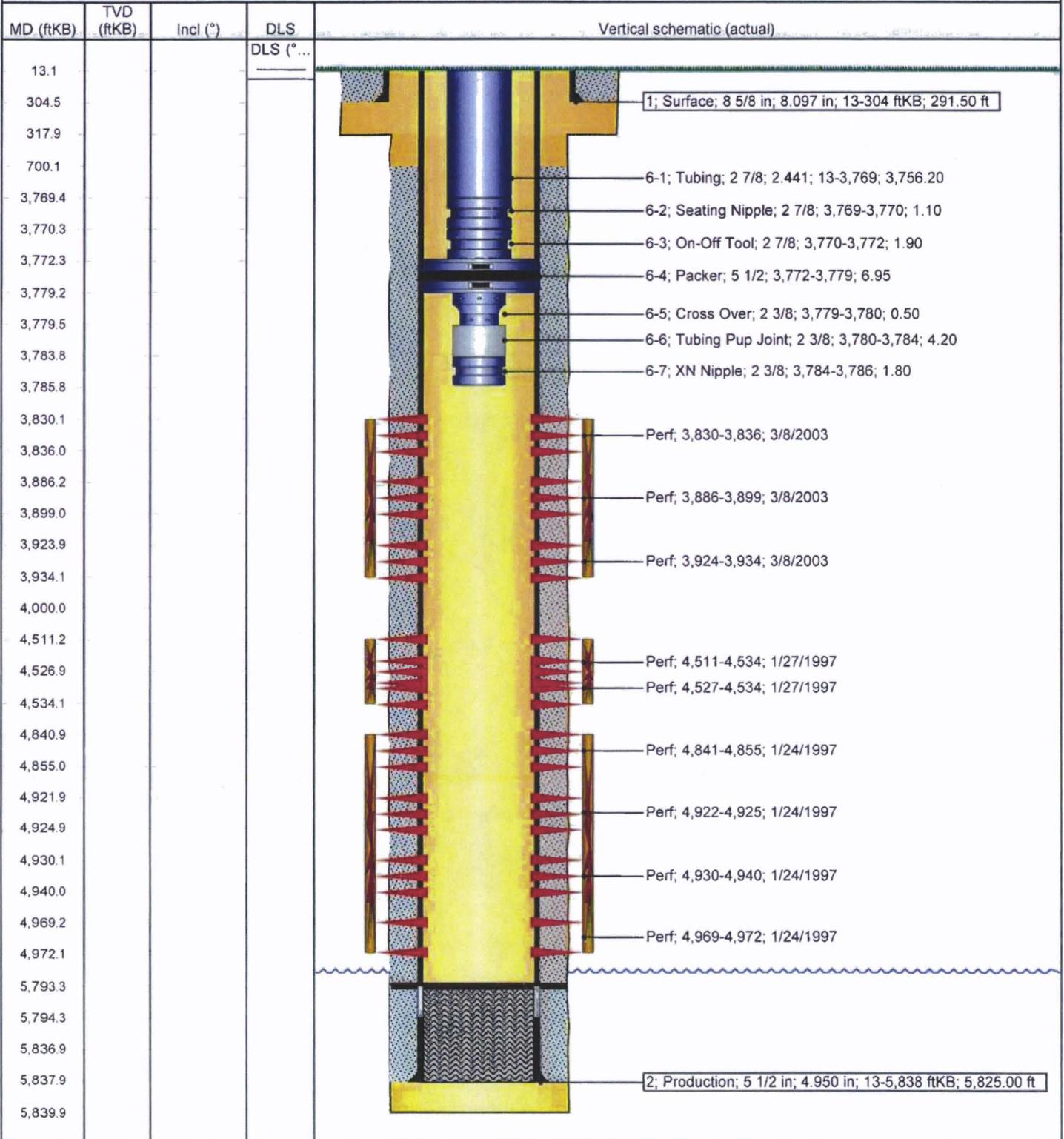
Plug 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation with a minimum of 20 ft cement plug on top of the CIBP.

Well Name: **S PLSNT Vly 2-20-9-17**

Surface Legal Location <b>20-9S-17E</b>		API/UWI <b>43013317370000</b>	Well RC <b>500150843</b>	Lease	State/Province <b>Utah</b>	Field Name <b>GMBU CTB6</b>	County <b>DUCHESNE</b>
Spud Date <b>12/9/1996</b>	Rig Release Date <b>1/4/1997</b>	On Production Date <b>1/30/1997</b>	Original KB Elevation (ft) <b>5,416</b>	Ground Elevation (ft) <b>5,403</b>	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) <b>Original Hole - 5,793.3</b>	

<b>Most Recent Job</b>			
Job Category <b>Production / Workover</b>	Primary Job Type <b>Conversion</b>	Secondary Job Type <b>Basic</b>	Job Start Date <b>2/25/2014</b>
			Job End Date <b>2/26/2014</b>

**TD: 5,840.0** Vertical - Original Hole, 7/7/2015 3:53:01 PM



# NEWFIELD



## Newfield Wellbore Diagram Data S PLSNT Vly 2-20-9-17

Surface Legal Location 20-9S-17E		API/UWI 43013317370000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 12/9/1996		Spud Date 12/9/1996		Final Rig Release Date 1/4/1997	
Original KB Elevation (ft) 5,416		Ground Elevation (ft) 5,403		Total Depth (ftKB) 5,840.0	
				Total Depth All (TVD) (ftKB) 5,838	
				PBD (All) (ftKB) Original Hole - 5,793.3	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	12/12/1996	8 5/8	8.097	24.00	J-55	305
Production	1/4/1997	5 1/2	4.950	15.50	J-55	5,838

### Cement

#### String: Surface, 305ftKB 12/12/1996

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 304.5	Full Return?	Vol Cement Ret (bbl)
Fluid Description Cmt'd w/120 sk Premium Plus w/2% CaCl <sub>2</sub> , 2% gel, 1/4#/sk flocele mixed @ 14.8 PPG w/1.34 ft <sup>3</sup> /sk yield.	Fluid Type Lead	Amount (sacks) 120	Class PL II	Estimated Top (ftKB) 13.0

#### String: Production, 5,838ftKB 1/4/1997

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 700.0	Bottom Depth (ftKB) 4,000.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description cmt w/20 bbls dye flush, 20 bbls gel flush & 310 sk Hibond 65 Modified mixed @ 11.0 PPG w/3.0 ft <sup>3</sup> /sk yield.	Fluid Type Lead	Amount (sacks) 310	Class HiBond 65 Modified	Estimated Top (ftKB) 700.0

#### String: Production, 5,838ftKB 1/4/1997

Cementing Company Halliburton Energy Services	Top Depth (ftKB) 4,000.0	Bottom Depth (ftKB) 5,838.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Tail in w/285 sk Thixotropic w/10% CalSeal mixed @ 14.2 PPG w/1.59 ft <sup>3</sup> /sk yield. Displace w/138 bbls of Clayfix H <sub>2</sub> O.	Fluid Type Tail	Amount (sacks) 285	Class Thixotropic	Estimated Top (ftKB) 4,000.0

### Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)
Tubing	121	2 7/8	2.441	6.50	J-55	3,756.20	13.0	3,769.2
Seating Nipple		2 7/8			N-80	1.10	3,769.2	3,770.3
On-Off Tool		2 7/8				1.90	3,770.3	3,772.2
Packer		5 1/2				6.95	3,772.2	3,779.2
Cross Over		2 3/8				0.50	3,779.2	3,779.7
Tubing Pup Joint		2 3/8				4.20	3,779.7	3,783.9
XN Nipple		2 3/8				1.80	3,783.9	3,785.7

### Rod Strings

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

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Norm Hole Dia (in)	Date
3	GB2, Original Hole	3,830	3,836	4			3/8/2003
3	GB4, Original Hole	3,886	3,899	4			3/8/2003
3	GB6, Original Hole	3,924	3,934	4			3/8/2003
2	C, Original Hole	4,511	4,534	4			1/27/1997
2	C, Original Hole	4,527	4,534	4			1/27/1997
1	A3, Original Hole	4,841	4,855	4			1/24/1997
1	LDC, Original Hole	4,922	4,925	4			1/24/1997
1	LDC, Original Hole	4,930	4,940	4			1/24/1997
1	LDC, Original Hole	4,969	4,972	4			1/24/1997

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,518						
2	2,401						
3	1,950	0.94	27.5	2,216			

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Sand Bulk Sand 155400 lb



**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		Sand Bulk Sand 110400 lb
3		Sand Bulk Sand 96938 lb

Sundry Number: 49670 API Well Number: 43013317370000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905			
<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, re-enter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: S PLEASANT VALLEY FED 2-20			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013317370000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 20 Township: 09.0S Range: 17.0E Meridian: S		8. FIELD and POOL or WILDCAT: MONUMENT BUTTE			
		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/2/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width:100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SHOOTBACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SHOOTBACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 12:20 PM on 04/02/2014. EPA # UT22197-10263					
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician			
SIGNATURE N/A	DATE 4/4/2014				

RECEIVED: Apr. 04, 2014



March 11, 2014

Mr. Jason Deardorff  
US EPA Region 8  
8P-W- UIC  
1595 Wynkoop Street  
Denver CO 80202

RE: Injection Conversion  
Well: So. Pleasant Valley 2-20-9-17  
EPA #: UT22197-10263  
API #: 43-013-31737

Dear Mr. Deardorff:

The subject well was converted from a producing oil well to a water injection well. Attached are the EPA Form 7520-12, an updated wellbore diagram, MIT Pressure Test, a copy of the chart, and Daily Activity report.

The shallowest perforation for this well is 3830'. The Fracture Gradient for this well is 0.655. The MAIP for this well has been calculated to be 825 – MAIP = [FG – (0.433) (SG)] \* Depth.

The GG2 @ (3684.2') in the 2-20-9-17 well has a calculated pore pressure of 1657.9 psia. This is calculated using a pore pressure gradient of 0.45 psi/ft. (0.45 psi/ft x 3684.2' = 1657.89 psi). Since the GG2 is a normally pressured, non-depleted zone, this is a valid estimate of pore pressure. RDT pressure data collected in Greater Monument Butte also supports this calculation.

You may contact me at 435-646-4874 or [lchavez-naupoto@newfield.com](mailto:lchavez-naupoto@newfield.com) if you require further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucy Chavez-Naupoto".

Lucy Chavez-Naupoto  
Water Services Technician

Sundry Number: 48820 API Well Number: 43013317370000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13905																														
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<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>2/26/2014</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMBINGLE PRODUCING FORMATIONS</td> <td><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMBINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<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 type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 02/26/2014. Initial MIT on the above listed well. On 02/26/2014 the casing was pressured up to 1784 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10263																																
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician																														
SIGNATURE N/A	DATE 3/13/2014																															

RECEIVED: Mar. 13, 2014

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



**WELL REWORK RECORD**

NAME AND ADDRESS OF PERMITTEE Newfield Production Company 410 17th Street, Suite 700 Denver, Colorado 80202-4402	NAME AND ADDRESS OF CONTRACTOR Same as Permittee
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LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT -- 640 ACRES 	STATE: <u>Utah</u> COUNTY: <u>Duchesne</u>	PERMIT NUMBER: <u>UT22197-10263</u>
	SURFACE LOCATION DESCRIPTION 1/4 OF NW 1/4 OF NE SECTION 20 TOWNSHIP 9S RANGE 17E	
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location: <u>660</u> ft. from (N/S) <u>N</u> Line of quarter section and <u>1980</u> ft. from (E/W) <u>E</u> Line of quarter section	
	WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name <u>So Pleasant Valley</u>	Total Depth Before Rework (ft) <u>5840</u> Total Depth After Rework (ft) <u>5840</u> Date Rework Commenced <u>2/25/2014</u> Date Rework Completed <u>2/26/2014</u>

**WELL CASING RECORD -- BEFORE REWORK**

Casing		Cement		Perforations (ft)		Acid or Fracture Treatment Record
Size	Depth (ft)	Sacks	Type	From	To	
8 5/8"	305	120	Prem Lt II	4841	4972	Perf and frac
5 1/2"	5838	310	HiBond 65	4511	4534	Perf and frac
		285	Thixo	3830	3934	Perf and frac

**WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)**

Casing		Cement		Perforations (ft)		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE <table border="1" style="width:100%"> <tr> <th>Log Types</th> <th>Logged Intervals</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Log Types	Logged Intervals		
Log Types	Logged Intervals				
See attached "Daily Workover Report"					

**CERTIFICATION**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print) Lucy Chavez-Naupoto Water Services Technician	SIGNATURE 	DATE SIGNED March 11, 2014
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# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 02 / 26 / 2014  
 Test conducted by: J. Phillips  
 Others present: \_\_\_\_\_

Well Name: <u>Pleasant Valley Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>2</u> Sec: <u>20</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</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 / 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	1760 psig	psig	psig
5 minutes	1764 psig	psig	psig
10 minutes	1768 psig	psig	psig
15 minutes	1773 psig	psig	psig
20 minutes	1776 psig	psig	psig
25 minutes	1780 psig	psig	psig
30 minutes	1784 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

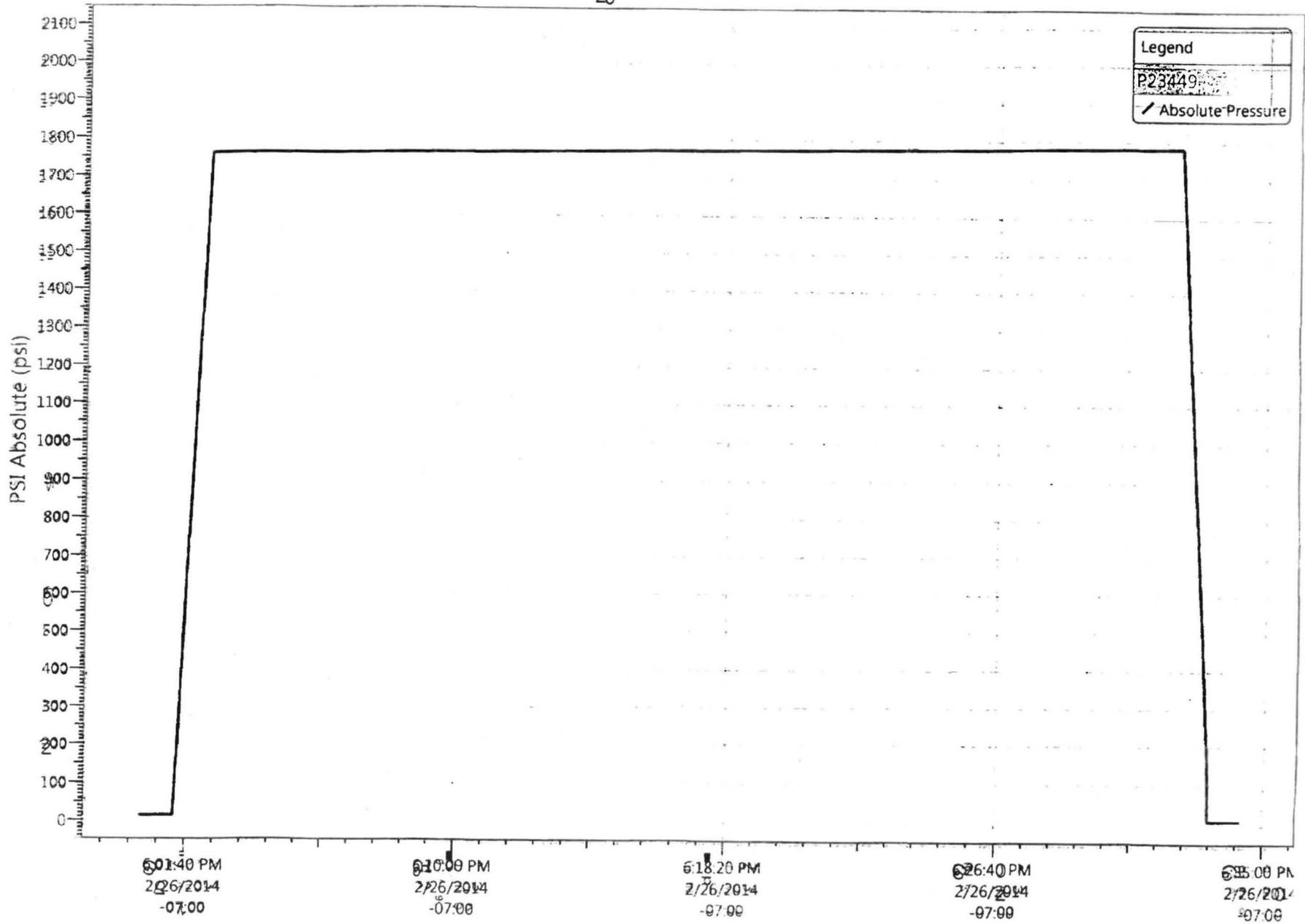
### MECHANICAL INTEGRITY PRESSURE TEST

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: \_\_\_\_\_

Pleasant Valley Federal 2-20-9-17 (conversion) 02-26-2014

2/26/2014 5:59:24 PM





**Job Detail Summary Report**

**Well Name: S PLSNT Vly 2-20-9-17**

Jobs		
Primary Job Type Conversion	Job Start Date 2/25/2014	Job End Date

**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
2/25/2014	2/25/2014	ROADED RIG TO LOCATION. RU RIG, FLUSH CSG. TOOH RODS FISH BODY PART ON 52 ROD
Start Time	End Time	Comment
05:30	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MTG
Start Time	End Time	Comment
07:15	09:00	ROADED RIG TO LOCATION
Start Time	End Time	Comment
09:00	10:00	RU RIG. FLUSHED CSG W/ 60 BBLs @ 250 DEGREES
Start Time	End Time	Comment
10:00	11:00	ROD STRING PARTED, TOOH 51-RODS, BODY PART ON 52 ROD, RIH W/ FISHING TOOL, LATCHED ON TO FISH, UNSEATED PUMP
Start Time	End Time	Comment
11:00	14:00	LD 2-RODS, FLUSHED TBG W/ 40 BBLs @250 DEG, SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST
Start Time	End Time	Comment
14:00	16:00	LD ROD STRING ON TRAILER, FLUSHING WHEN NEEDED TO KEEP CLEAN
Start Time	End Time	Comment
16:00	17:00	DID SL TAG, NO FILL, ND WH, NU BOPS, RD RIG FLOOR RELEASED TAC
Start Time	End Time	Comment
17:00	18:00	TOOH BREAKING AND RE-DOPEING W/ GREEN DOPE 26-JTS TBG, SIWFN
Start Time	End Time	Comment
18:00	19:30	CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary
2/26/2014	2/26/2014	TIH TBG STRING PKR ASSY. CONDUCT INITIAL MIT
Start Time	End Time	Comment
05:30	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	JSA SAFETY MEETING
Start Time	End Time	Comment
07:15	10:00	BLEW DOWN WELL. TOOH BREAKING AND RE-DOPING EACH CONNECTION W/ GREEN DOPE
Start Time	End Time	Comment
10:00	11:00	LD-40 JTS TBG ON TRAILER
Start Time	End Time	Comment
11:00	13:00	TIH TBG STRING
Start Time	End Time	Comment
13:00	15:00	PUMPED 10 BBLs, DROPPED SV, CHASED W/ 30 BBLs COULDNT CATCH PRESSURE, RU SL, RIHW/ SL, CHASED SV TO SN, POOH W/ SL, PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST
Start Time	End Time	Comment
15:00	16:00	P: RU RIG FLOOR. ND BOPS, NU INJECTION WH
Start Time	End Time	Comment
16:00	17:00	CIRCULATED 50 BBLs OF PKR FLUID DOWN CSG, SET PKR W/ 15K# OF TENSION, PT CSG TO 1400 PSI HELD 100% FOR 30 MIN, GOOD TEST
Start Time	End Time	Comment
17:00	17:30	Initial MIT on the above listed well. On 02/26/2014 the casing was pressured up to 1784 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10263
Start Time	End Time	Comment
17:30	19:00	RD RIG, PRE-TRIP INSPECTION SDFN



Well Name: S PLSNT Vly 2-20-9-17

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Start Time	End Time	Comment
19:00	20:30	CREW TRAVEL

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