

UTAH OIL AND GAS CONSERVATION COMMISSION

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

971031 well nm fr. mon. Fed. 23-6-9-164:  
 971124 Equitabl. to Inland eff. 93097: 980824 Conf exp (WICW)

DATE FILED FEBRUARY 18, 1997

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. UTU-74390 INDIAN

DRILLING APPROVED: MARCH 4, 1997

SPUDED IN: 10.23.97

COMPLETED: 12.18.97 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 12-18-97

GRAVITY A.P.I.

GOR: 1.561

PRODUCING ZONES: 5119-5760'

TOTAL DEPTH: 6050'

WELL ELEVATION: 5889' GL, 5901' KB

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:

COUNTY: DUCHESNE

WELL NO. NINE MILE 11-6 API NO. 43-013-31812

LOCATION 1938 FSL FT. FROM (N) (S) LINE, 1756 FWL FT. FROM (E) (W) LINE. NE SW 1/4 - 1/4 SEC. 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	16E	6	Inland Prod. Co. EQUITABLE RESOURCES

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

135/96

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

2. NAME OF OPERATOR  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface NE SW Section 6, T9S, R16E  
At proposed prod. zone 1938' FSL, 1756' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 12.3 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
18. NO. OF ACRES IN LEASE

13. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH  
5,850'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5890'

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Monument Federal

9. WELL NO.  
#23-6-9-16Y

10. FIELD AND POOL, OR WILDCAT  
Mon. Butte/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T9S, R16E

12. COUNTY OR PARISH | 13. STATE  
Duchesne | UTAH

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
April 1, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program/Casing Design				

Operator plans to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the Application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining

RECEIVED  
FEB 18 1997

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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE February 14, 1997  
(This space for Federal or State office use)

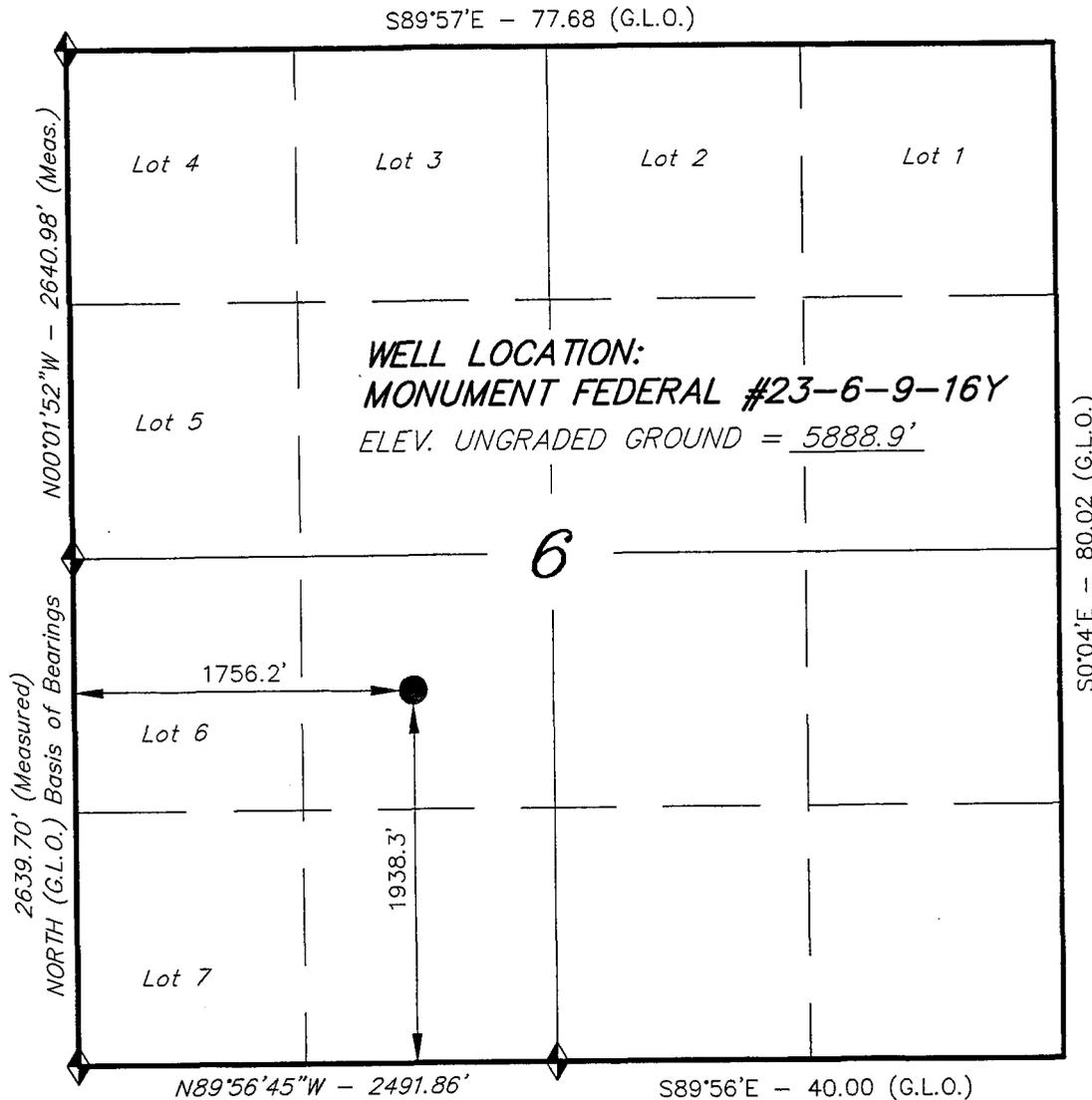
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] ACTING Assistant Field Manager  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Mineral Resources DATE MAR 05 1997

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

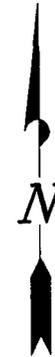
T9S, R16E, S.L.B.&M.

**EQUITABLE RESOURCES ENERGY CO.**

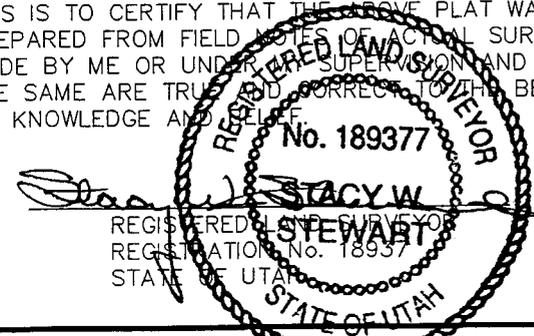
WELL LOCATION, MONUMENT FEDERAL #23-6-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 6, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



S0°04'E - 80.02 (G.L.O.)



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.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: G.S.

DATE: 1-3-97

WEATHER: COLD

NOTES:

FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

UTU-742500

K

**CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

**Equitable Resources Energy Company  
Western Region  
1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860  
FAX: (406) 245-1361**

## EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM
- M GAS GATHERING PIPELINE ROW APPLICATION
- N ARCHEOLOGICAL/PALEONTOLOGICAL CLEARANCE REPORT

2/13/97/rs

**PROPOSED DRILLING PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Western Region  
Monument Federal #23-6-9-16Y  
NE SW Section 6, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. **ESTIMATED IMPORTANT GEOLOGICAL MARKERS:**

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. **OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.

- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.

- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.
- c. When running 5-1/2" production casing we will install 5-1/2" pipe rams and are hereby requesting a variance on testing. We request not to test.
- d. It is anticipated that operator will use new casing.

SURFACE USE PROGRAM  
EQUITABLE RESOURCES ENERGY COMPANY  
Western Region  
Monument Federal #23-6-9-16Y  
NE SW Section 6 T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south (left) on the Sand Wash road for approximately 1.7 miles to the Wells Draw road intersection. Turn right and continue along the Wells Draw road 8.0 miles to a road intersection. Turn right and continue 0.5 miles to proposed access road sign. Follow flags 0.5 miles to location.
- b. No existing roadways need to be upgraded for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "F" Maps A & B

- a. Approximately 0.5 miles of new access is required.
- b. All travel will be confined to location and access routes.
- c. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. PROPOSED PRODUCTION FACILITIES DIAGRAM:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. See EXHIBIT "J" for the Proposed Production Facility layout.
- c. A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater)/. These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.
- d. All permanent (onsite for six months or longer) above-ground structures constructed or installed (including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act rules and regulations will be excluded from this painting requirement.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Ken Richens, Water Right 43-1721, Cert. 5421. which is in the NW SW Section 34, T3S, R2W, Duchesne County UT. A copy of the water right paperwork has been submitted to the Vernal District Bureau of Land Management and the State of Utah Division of Oil, Gas and Mining.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction

material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.

- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined with a 12 mill plastic reinforced liner. The liner will be torn and perforated before backfilling of the reserve pit. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the northeast side of the location. It will be constructed long and narrow for topographical reasons.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the south side between Corners 1 and 8.
- h. Access to the wellpad will be from the south at Corner 8.
- i. All pits will be fenced according to the following minimum standards:
  - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
  - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.

- c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
- d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be notified of of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. A plastic nylon reinforced liner will be used, and it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured in accordance with the agreement with the private surface owner. The reserve pit will be reclaimed in accordance with agreement with the private surface owner. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment.



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 presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy 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.

February 13, 1997  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory Specialist  
Equitable Resources Energy Company



## Well Prognosis

Well Name <u>MONUMENT FEDERAL #23-6-9-16Y</u>				<b>Control Well</b>	
Location <u>NE/SW SECTION 6-T9S-R16E (1938' FSL, 1756' FWL)</u>				Operator <u>EREC</u>	
County/State <u>DUCHESNE, UTAH</u>				Well Name <u>MF 33-6-9-16Y</u>	
Field <u>MON. BUTTE</u>		Well Type <u>DEVELOPMENT</u>		Location <u>NW/SE SEC. 6-9S-16E</u>	
GL (Ung) <u>5889</u>	EST. KB <u>5899</u>	Total Depth <u>5850</u>		KB <u>5877</u>	

Formation	Prognosis		Sample Top		Control Well	High/Low	
	Depth	Datum	Depth	Datum	Datum	Prog	Control Deviation
UINTA	surface						
GREEN RIVER	1614	4263			4233		
HORSE BENCH SS	2298	3579			3544		
2ND GARDEN GULCH	4006	1871			1841		
Y-1 (PAY)	4072	1805			1775		
Y-3 (PAY)	4376	1501			1471		
Y-4 (PAY)	4482	1395			1365		
YELLOW MARKER	4646	1231			1201		
DOUGLAS CREEK	4794	1083			1053		
R-1 (PAY)	4816	1061			1031		
2ND DOUGLAS CREEK	5036	841			811		
G-1L (PAY)	5113	764			734		
GREEN MARKER	5173	704			674		
G-3 (PAY)	5226	651			621		
G-6 (PAY)	5392	485			455		
CARBONATE MARKER	5690	187			157		
TD	5850						

**Samples**  
50' FROM 1600' TO 4100'  
20' FROM 4100' TO TD  
5' THROUGH EXPECTED PAY  
5' THROUGH DRILLING BREAKS

**DST,s**  
 DST #1 NONE  
 DST #2 \_\_\_\_\_  
 DST #3 \_\_\_\_\_  
 DST #4 \_\_\_\_\_

**Wellsite Geologist**  
 Name: \_\_\_\_\_  
 From: \_\_\_\_\_ To: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone # \_\_\_\_\_ wk.  
 \_\_\_\_\_ hm.  
 Fax # \_\_\_\_\_

**Logs**  
DLL FROM SURF CSNG TO TD  
LDT/CNL FROM 3950 TO TD  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Cores**  
 Core #1 NONE  
 Core #2 \_\_\_\_\_  
 Core #3 \_\_\_\_\_  
 Core #4 \_\_\_\_\_

**Mud Logger**  
 Company: NORTHWEST  
 From: 1600 To: TD  
 Type: 2 MAN  
 Logger: \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 Fax # \_\_\_\_\_

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_

**Report To:** 1st Name: DAVE BICKERSTAFF Phone # (406) 259-7860 wk. (406)245-2261 hm.  
 2nd Name: KEVEN REINSCHMIDT Phone # (406) 259-7860 wk. (406)248-7026 hm.  
**Prepared By:** BICKERSTAFF 1/96 Phone # \_\_\_\_\_ wk. \_\_\_\_\_ hm.



1

**DRILLING PROGRAM**

WELL NAME: Monument Federal #23-6-9-16Y      DATE: 2-4-97  
 PROSPECT/FIELD: Monument Butte  
 LOCATION: NE SW Section 6 Twn.9S Rge.16E  
 COUNTY: Duchesne  
 STATE: Utah

TOTAL DEPTH: 5850'

**HOLE SIZE      INTERVAL**

12 1/4"      Surface to 260'  
 7 7/8"      260' to 5850'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5850'	5 1/2"	15.50	K55

**CEMENT PROGRAM**

Surface Casing      150 sacks class"G" with 2% CaCl and 1/4 lb/sack Flocele.  
 (Cement will be circulated to surface.)

Production Casing      205 sacks 28:72 Poz. (28% POZ: 72% Class"C") with 10% Gel, 6.0 lbs/sk KOL SEAL & 1/4 pps Cello Flake. (Wt.=11.09 ppg, Yd =3.30 Cu.Ft/Sk Comp. Strght @ 72 Hrs=575) Tailed with 400 sacks 50:50 POZ(50% POZ: 50% Class"G") with 2% Gel, 0.3% FL-52, 1/4 pps Cello Flakes & 2.0 pps KOL SEAL. (Wt.=14.30 ppg, Yd=1.25 Ft.Cu./Sk, Comp Strght @ 75 Hrs=2700)  
 (Actual cement volumes to be calculated from caliper log with cement top at 2000')

**PRELIMINARY DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

**COMMENTS**

1.) No cores or tests are planned for this well.

# EQUITABLE RESOURCES ENERGY COMPANY

D

Operator: EREC	Well Name: M.F. #23-6-9-16Y
Project ID:	Location: Duchesne, Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2089 psi  
 Internal gradient (burst) : 0.100 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)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,850	5-1/2"	15.50	K-55	ST&C	5,850	4.825		
	Collapse Load	Strgth (psi)	S.F.	Burst Load	Min Int Strgth	Yield S.F.	Tension Load	Strgth (kips)	S.F.
1	2674	4040	1.511	2674	4810	1.80	90.68	222	2.45 J

Prepared by : *McCoskery, Billings, Montana*

Date : 02-11-1997

Remarks :

Design is for a Production string.

Minimum segment length for the 5,850 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,674 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)

EXHIBIT "E"

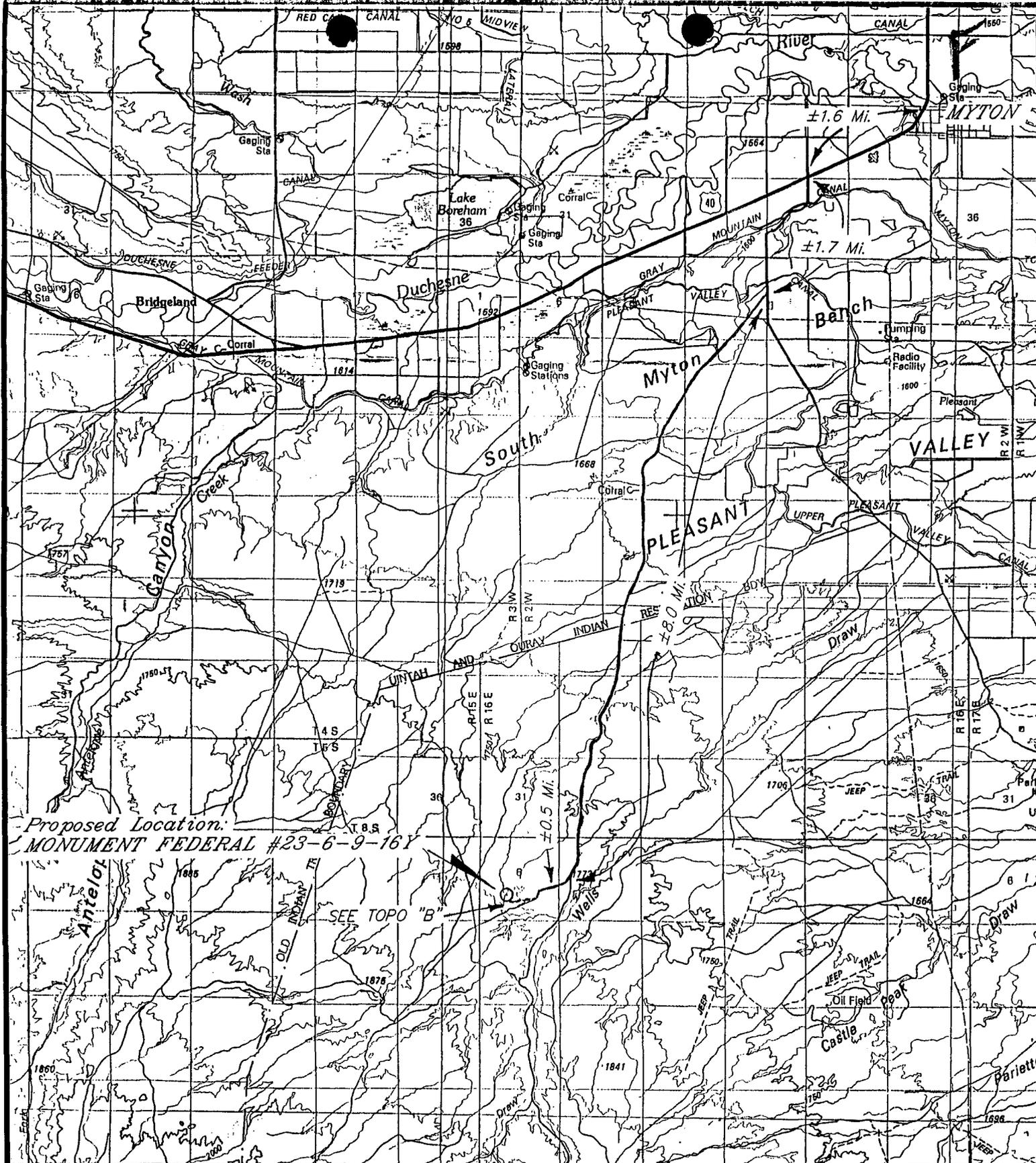
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

3/28/95  
/rs



Proposed Location:  
 MONUMENT FEDERAL #23-6-9-16Y

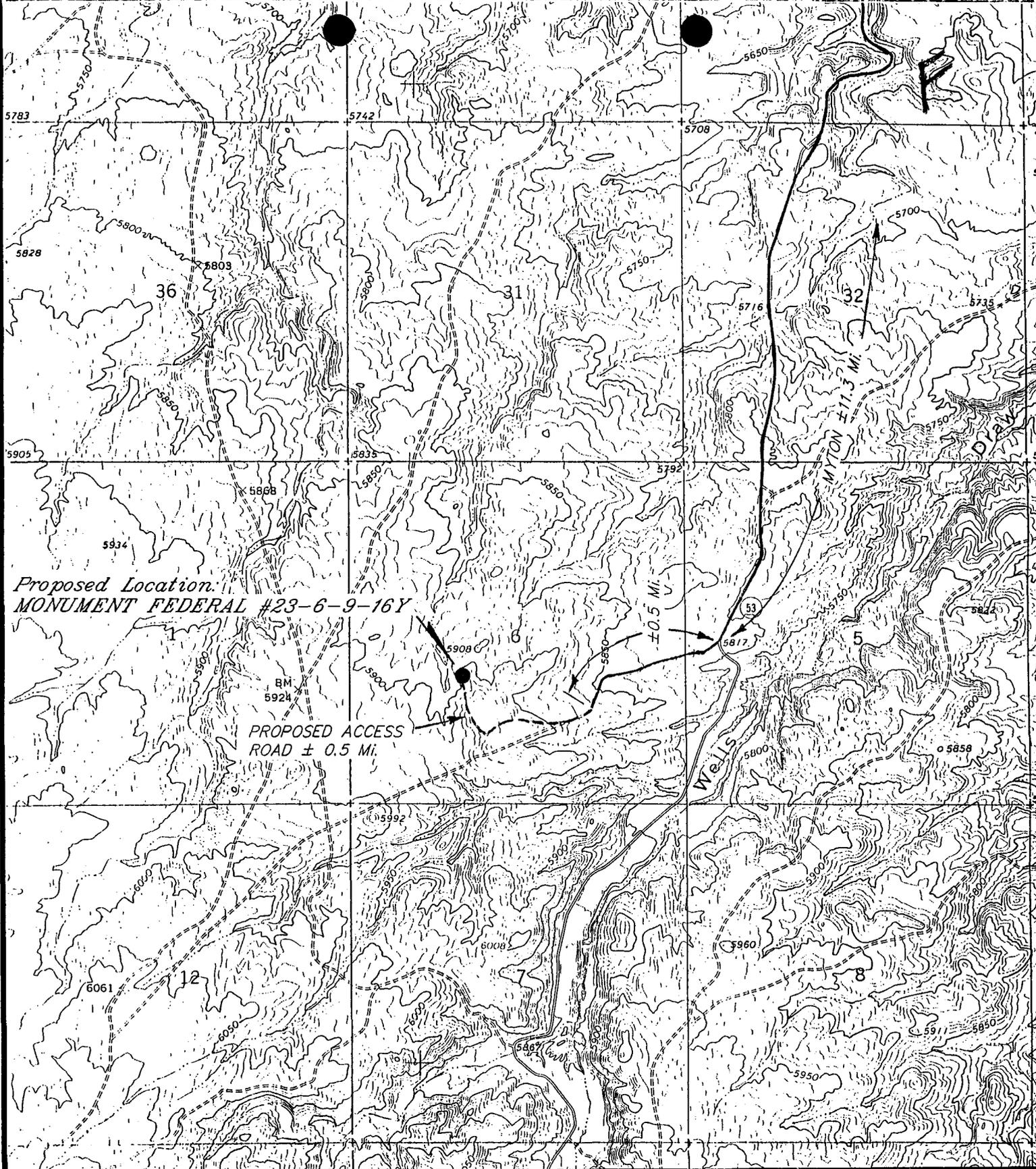
SEE TOPO "B"

**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #23-6-9-16Y  
 SEC. 6, T9S, R16E, S.L.B.&M.  
 TOPO "A"



**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078



*Proposed Location*  
**MONUMENT FEDERAL #23-6-9-16Y**

*PROPOSED ACCESS ROAD ± 0.5 Mi.*

***EQUITABLE RESOURCES CO.***

**MONUMENT FEDERAL #23-6-9-16Y**  
**SEC. 6, T9S, R16E, S.L.B.&M.**  
**TOPO "B"**

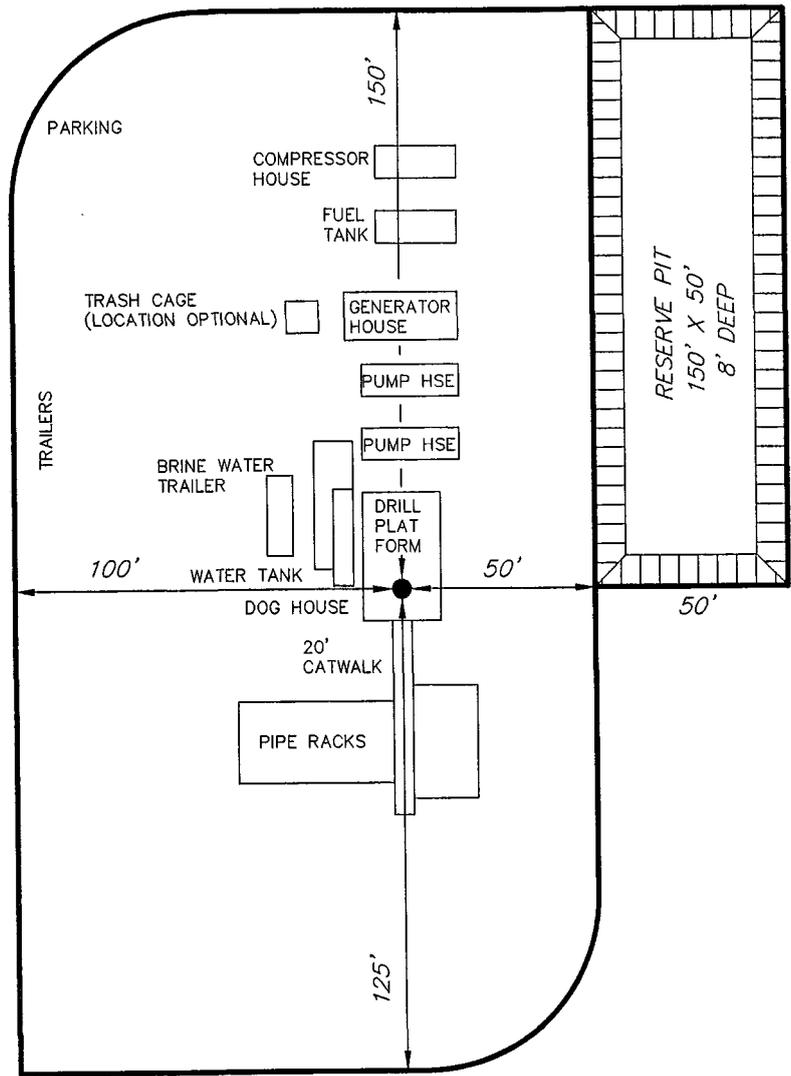


SCALE: 1" = 2000'

***Tri State***  
*Land Surveying, Inc.*  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

G

*TYPICAL RIG LAYOUT*  
*MONUMENT FEDERAL #23-6-9-16Y*



**Tri State**  
*Land Surveying, Inc.*  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

UNION DRILLING RIG #17 Hex Kelly

M

ROTATING HEAD

ADJ. CHOKE

AIR BALL

7" FLOWLINE

#3000  
BLIND RAM-PIPE RAM

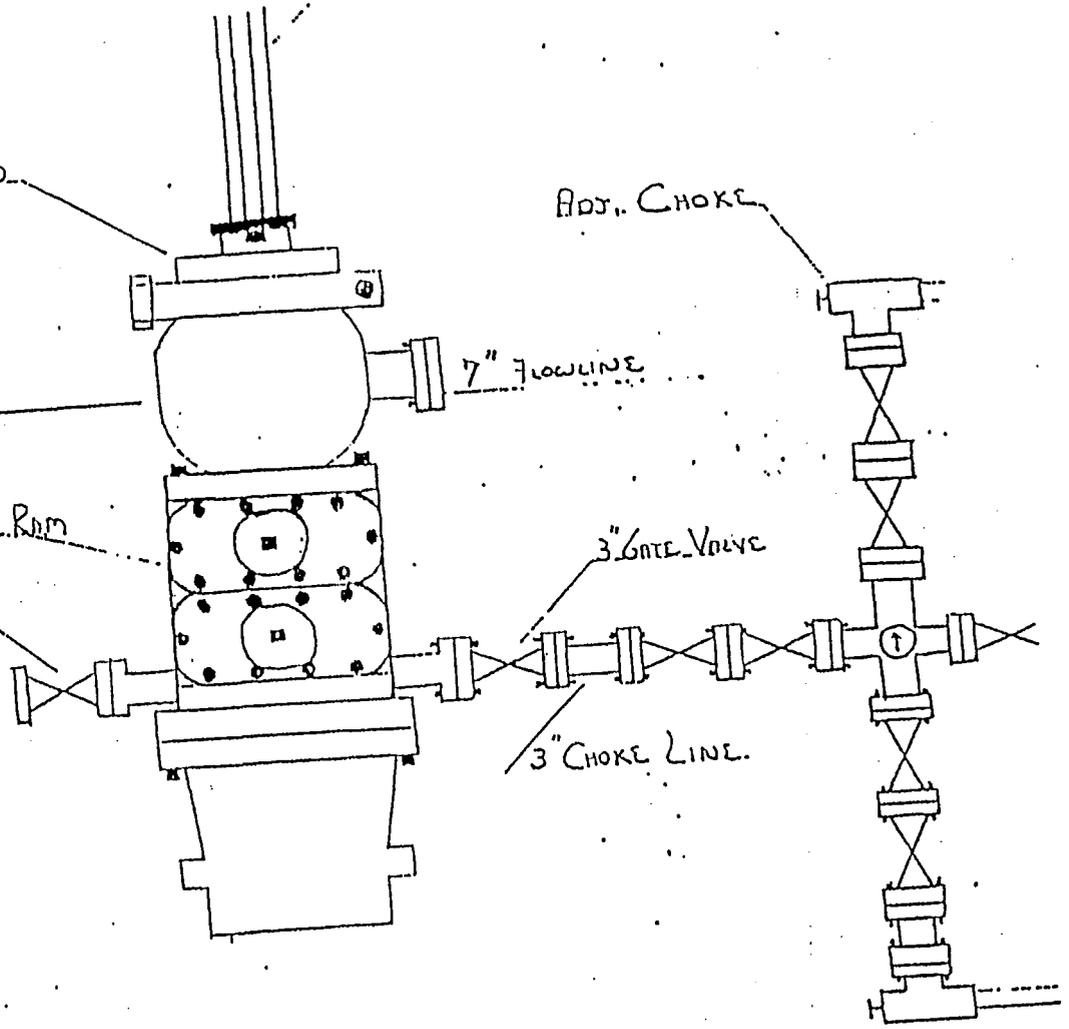
3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK



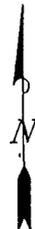
T8S  
R15E

T9S  
R16E

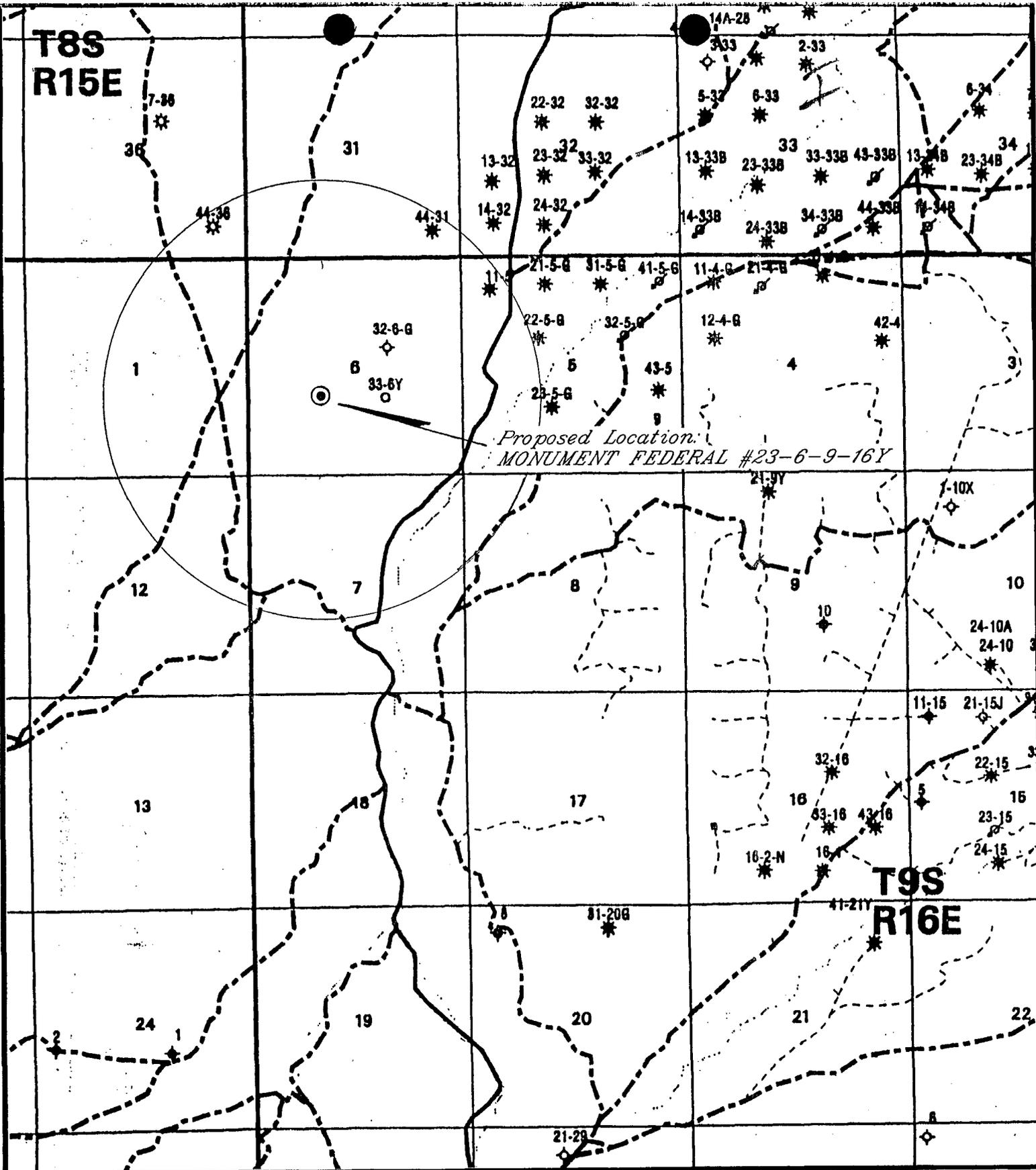
Proposed Location  
MONUMENT FEDERAL #23-6-9-16Y

EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #23-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.  
TOPO "C"



*Tri State*  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



PROPOSED PRODUCTION FACILITY DIAGRAM

J

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

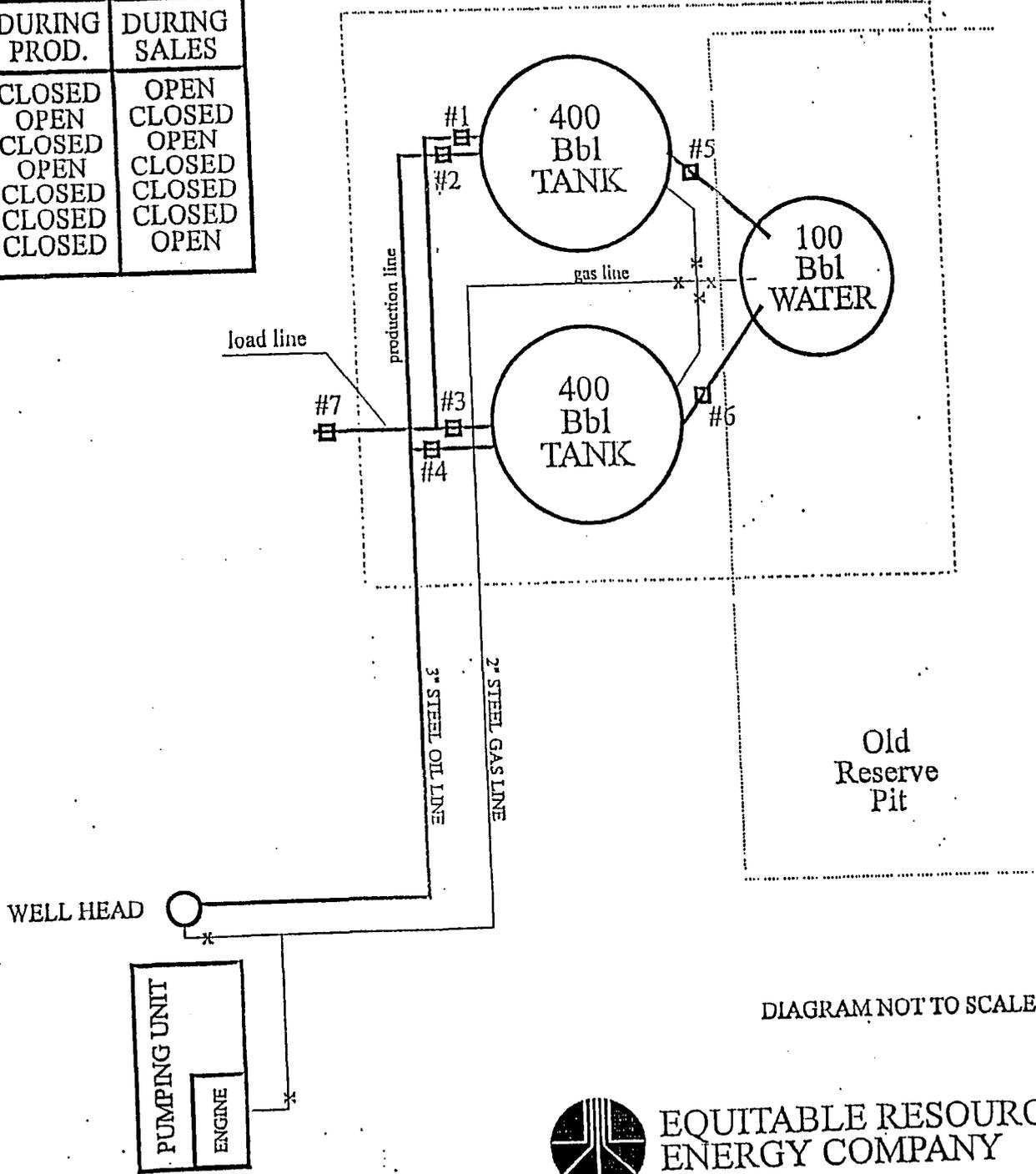


DIAGRAM NOT TO SCALE



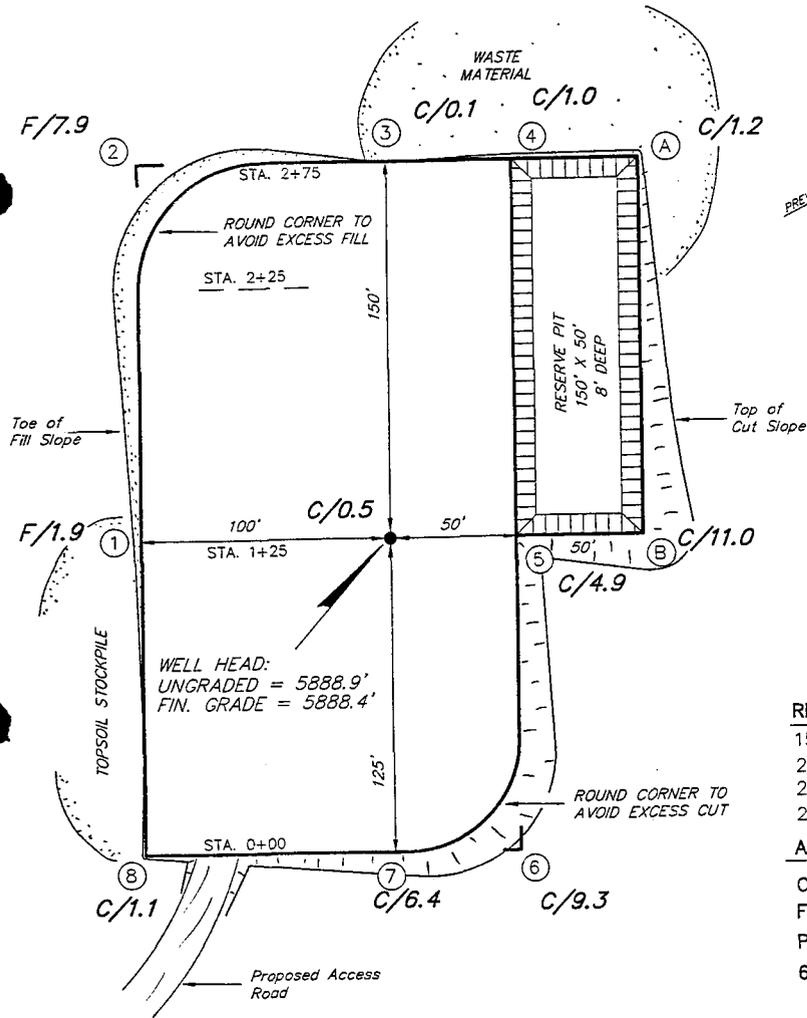
EQUITABLE RESOURCE ENERGY COMPANY

BALCRON OIL DIVISION

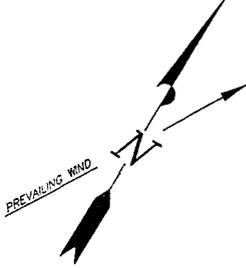
1601 Lewis Avenue  
 Billings, MT 59104-2  
 (406) 259-7860

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #23-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5888.9'  
FIN. GRADE = 5888.4'

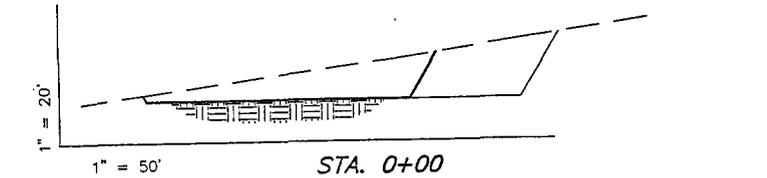
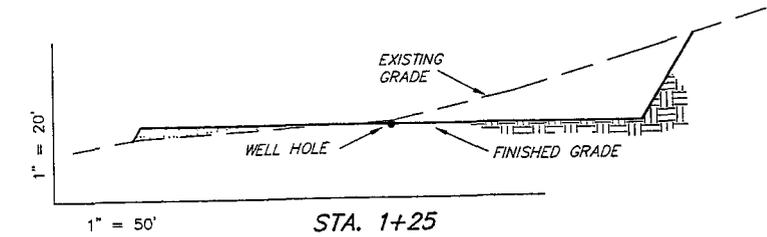
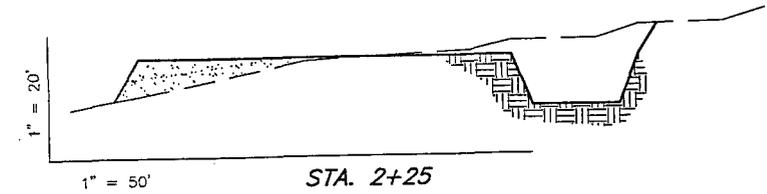
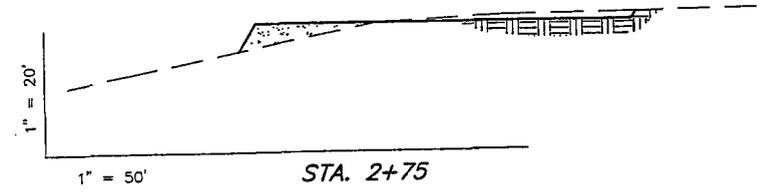


### REFERENCE POINTS

- 150' SOUTHWEST = 5883.1'
- 200' SOUTHWEST = 5881.2'
- 200' NORTHWEST = 5887.0'
- 250' NORTHWEST = 5884.3'

### APPROXIMATE YARDAGES

- CUT = 3,340 Cu. Yds.
- FILL = 1,570 Cu. Yds.
- PIT = 1,770 Cu. Yds.
- 6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S.
DRAWN BY: J.R.S.
DATE: 1-3-96
SCALE: 1" = 50'
FILE:

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

**APPLICATION FOR PIPELINE RIGHT-OF-WAY**

Please consider this Application for Permit to Drill also as an application for the pipeline (gas gathering system) Right-of-Way for this prospective well. See attached map for the pipeline route. The gas line will be a polyurethane surface line.

Please advise of the costs associated with this Right-of-Way and a check will be forthcoming.

Route will follow existing roads where feasible. Operator requests a 30' width for the Right-of-Way with an additional 30' width for working surface as necessary.



CULTURAL RESOURCE INVENTORIES OF EQUITABLE RESOURCES  
MONUMENT FEDERAL AND STATE NINE WELL LOCATIONS IN  
DUCHESNE AND UINTAH COUNTIES, UTAH

by

Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Diamond Mountain Resource Area  
Vernal District  
and  
State of Utah

Prepared Under Contract With:

Equitable Resources Energy Company  
1601 Lewis Ave  
Billings, Montana 59102

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

January 1997

United States Department of Interior (FLPMA)  
Permit No. 96-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-97-MQ-0003b,s

## ABSTRACT

Cultural resource inventories of nine Equitable Resources proposed well locations and access roads were conducted by Montgomery Archaeological Consultants in January, 1997. The project area is situated in the Wells Draw, Pariette Draw and Castle Peak Draw localities, Duchesne County and Uintah Counties, Utah. The proposed well locations are designated Monument Federal 21-6-9-16Y, 23-6-9-16Y, 32-5-9-17, 43-22-8-17Y, 44-23-8-17H, 34-31-8-18Y, 43-31-8-18Y, and Monument State 41-2-9-17CD and 42-2-9-17CD. The acreage included 89.7 acres on BLM land (Diamond Mountain Resource Area) and 31.5 acres on State of Utah lands.

The survey resulted in the documentation of one prehistoric site (42Un2396) and five prehistoric isolated finds of artifacts. Site 42Un2396 is a limited activity lithic scatter lacking temporal diagnostic artifacts and is considered not eligible for nomination to the NRHP. The five isolated finds of artifacts are also evaluated as not eligible to the NRHP, since they lack additional research potential. No paleontological resources were identified in the immediate project area.

Based on these findings, a determination of "no effect" is recommended for this project pursuant to Section 106, CFR 800.

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## INTRODUCTION

Cultural resource inventories were conducted by Montgomery Archaeological Consultants for nine proposed well locations and associated access roads in January 1997. The project area occurs south of Pleasant Valley in the Wells Draw, Pariette Draw and Castle Peak Draw localities, Duchesne County and Uintah Counties, Utah. The survey was implemented at the request of Ms. Bobbie Schumann, Regulatory and Environmental Specialist, Equitable Resources Energy Company, Billings, Montana. The project area occurs on public land administered by the Bureau of Land Management (BLM), Diamond Mountain Resource Area (Vernal District) and on State of Utah lands.

The objective of the inventories was to locate, document and evaluate any cultural resources and paleontological localities within the project area pursuant to a determination of "no effect" to historic properties in accord with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventories were implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979 and the American Indian Religious Freedom Act of 1978.

The fieldwork was performed by Keith R. Montgomery, Principal Investigator for Montgomery Archaeological Consultants under the auspices of U.S.D.I. (FLPMA) Permit No. 96-UT-60122 and State of Utah Antiquities Project (Survey) No. U-97-MQ-0003b,s. A file search for previous archaeological projects and documented cultural resources was conducted at the BLM Vernal District office on January 9, 1997, and by Evie Seelinger at Utah State Preservation Office, Salt Lake City. These record consultations indicated that numerous inventories have been completed in the area primarily for energy exploration. In the Wells Draw locality numerous archaeological surveys have been completed (Alexander 1985; Hartley 1984; Hauck 1982, 1984, 1996; Hauck and Hayden 1993, 1994; Montgomery and Montgomery 1996; Simmons 1993; Tate 1984; Weymouth and Langley 1996). Documented prehistoric sites in this area consist mainly of small lithic scatters, some containing chipped stone tools, (42Dc344, 42Dc388, 42Dc538 and 42Dc586). Only one site contained ceramic sherds (42Dc938), and features (e.g. hearths or slab-lined features) were documented at three sites (42Dc533, 42Dc537 and 42Dc792) in the area. Historic sites recorded in the vicinity include small trash scatters interpreted as transient sheep camps (42DC389, 42Dc794, 42Dc1054 and 42Dc1055), and a sandstone benchmark monument (42Dc984). In the Pariette Draw area several surveys have been completed in the vicinity of the proposed well locations (Phillips 1990; Polk 1991; Beaty 1995). In the Castle Draw locality a number of archaeological surveys have been completed in the project area for energy exploration (Hauck 1994; Hauck and Hadden 1993; Phillips 1983). Documented sites in T. 9S., R. 17E., S. 2 include 42Un1320, a lithic scatter (Phillips 1983); and 42Un2210, a prehistoric rock shelter (Hauck 1994). No cultural resources have been documented on the proposed Equitable Resources well locations or access roads.

The file search for paleontological resources in the project area was performed by Martha Hayden of the Utah Geological Survey, Salt Lake City. The records indicated that a number of paleontological localities have been documented in the Castle Peak Draw and Pariette Draw by Alden Hamblin of Coyote Basin Paleontology. In T. 8S., R. 18E., S. 31 two paleontological localities (42Un924V and 42Un925VP) were documented along Lomax Exploration's State 5-32 well location and access road (Hamblin 1995). Fossil remains found at these localities included turtle, crocodile, fish, plant, and petrified wood specimens derived from the Upper Eocene Uinta Formation. 42Un924V occurs approximately 150 ft north of the proposed Equitable Resources Well Location 43-31-8-18Y access road. Additional monitoring by the paleontologist at 42Un924 resulted in no important or significant fossil specimens exposed in the area of proposed Equitable Resources Well Location 43-31-8-18Y (Alden Hamblin, personal communication 1996). In T. 9S, R. 17E., S. 2 several specimens of turtle shell (42Un890V and 42Un891V) have been documented along Balcron Oil's Monument State

22-2 and 32-2 well locations (Hamblin 1993). In T. 9S., R. 17E., S. 5 an in-situ turtle fossil (42Dc215V) and a layer of turtle shell as well as mammal bone (42Dc112V) have been documented along several Balcron Oil well locations. In summary, although numerous fossils have been found in the area, no paleontological sites occur in the immediate project area.

#### DESCRIPTION OF PROJECT AREA

The project area lies in the Wells Draw, Castle Draw, and Pariette Draw localities of the Uinta Basin, of Myton, Utah. Topographically, this area consists of broad erosional benches and sandstone bluffs of highly dissected sandstone and mudstone formations, dissected by numerous intermittent drainages. In general the geology is formed by young tertiary age formations overlying Cretaceous formations. The early Tertiary period sedimentary unit is divided into the Paleocene and Eocene epochs, consisting of the North Horn, Flagstaff, Green River, Uinta and Duchesne River Formations (Stokes 1986:154-155). In the Pariette Bench area, rock outcrops of the Upper Eocene Uinta Formation are recognized for vertebrate fossils which include mammals, turtles, crocodylians and occasional fish remains. The project area occurs within the Upper Sonoran vegetation zone, dominated by a shadscale community intermixed with rabbitbrush, greasewood, snakeweed, prickly pear cactus, yucca, and a variety of low grasses. Modern disturbances to the landscape include well locations, access roads, pipelines, and livestock grazing.

The inventory area consists of nine proposed well locations with access roads (Figure 1 through 5 and Table 1). The legal description for the project area is T. 8S., R. 17E., S. 22 and 23; T. 8S., R. 18E., S. 31; T. 9S., R. 16E., S. 6 and T. 9S., R. 17E., S. 2 and 5. The project area occurs on public land administered by the BLM, Diamond Mountain Resource Area, Vernal District and State of Utah land.

Table 1. Monument Federal and State Well Location Descriptions

Well Number	Legal Location	Location at Surface	Access Road	Cultural Resources
182 Federal 21-6-9-16Y	T9S R16E S6 NE/NW	663.4' FNL 1727.5' FWL	1000' (BLM)	None
✓ Federal 23-6-9-16Y	T9S R16E S6 NE/SW	1938.3' FSL 1756.2' FWL	600' (BLM)	IF-A
✓ Federal 32-5-9-17	T9S R17E S5 SW/NE	1833.0' FNL 1913.0' FEL	500' (BLM)	IF-B
✓ Federal 43-22-8-17	T8S R17E S22 NE/SE	2173.6' FSL 557.1' FEL	600' (BLM)	None
✓ Federal 44-23-8-17H	T8S R17E S23 SE/SE	825.4' FSL 730.6' FEL	200' (BLM)	None
✓ State 41-2-9-17CD	T9S R17 S2 NE/NE	661.8' FNL 660.1' FEL	700' (State)	42Un2396
✓ State 42-2-9-17CD	T9S R17E S2 SE/NE	1985.3' FNL 660.3' FEL	2000' (State)	None
✓ Federal 34-31-8-18Y	T8S R18E S31 SW/SE	635.7' FSL 2160.0' FEL	5600' (BLM) 2300' (State)	IF-C & IF-D
✓ Federal 43-31-8-18Y	T8S R18E S31 NE/SE	1763.6' FSL 623.0' FEL	100' (BLM)	IF-E

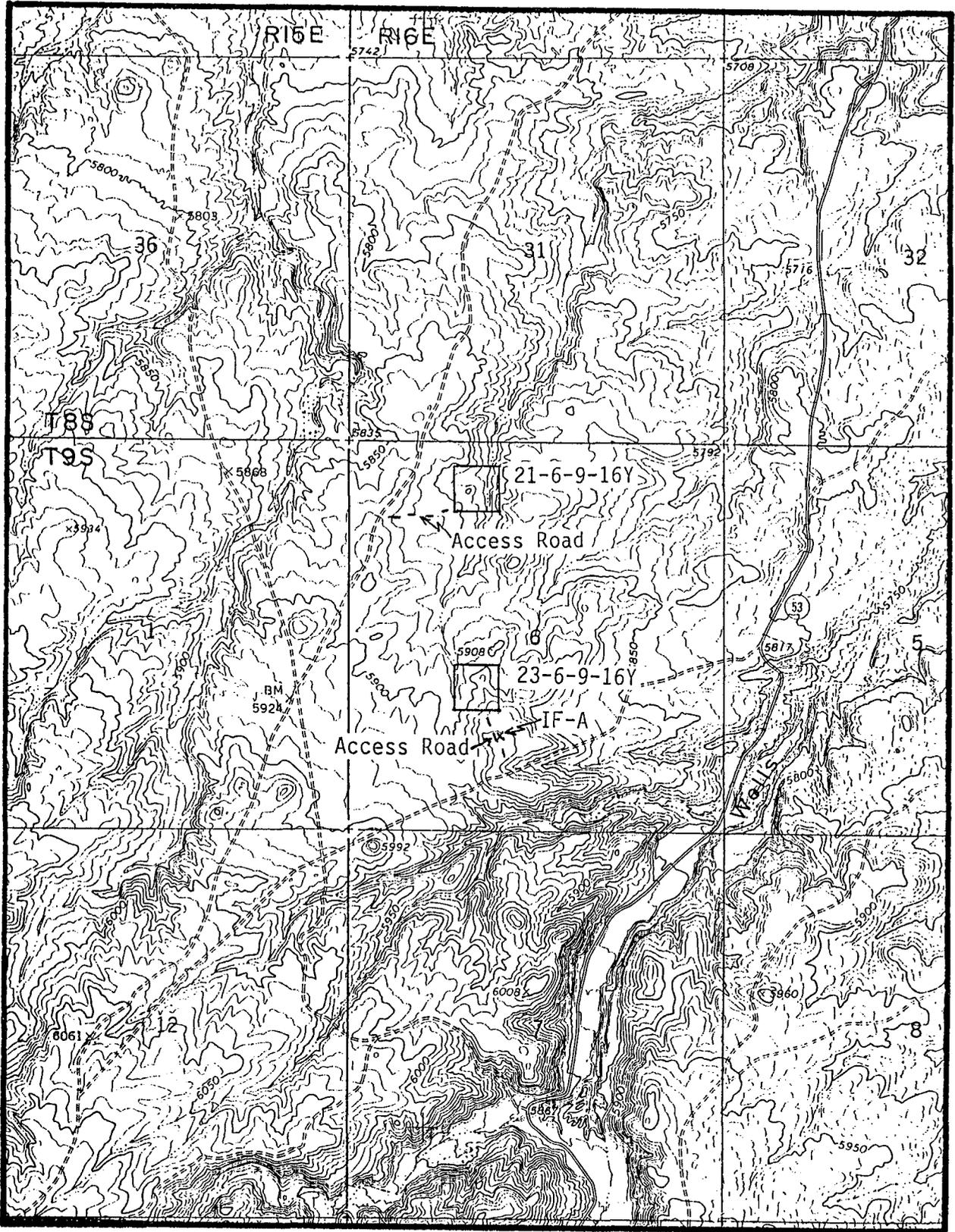


Figure 1. Equitable Resources Monument Federal 21-6-9-16Y and 23-6-9-16Y, Access Roads and Cultural Resources. USGS Myton SW, UT 7.5', 1964. Scale 1:24000.



Figure 2. Equitable Resources Monument Federal 32-5-9-17, Access Road and Cultural Resources. USGS Myton SE, UT 7.5', 1964. Scale 1:24000.

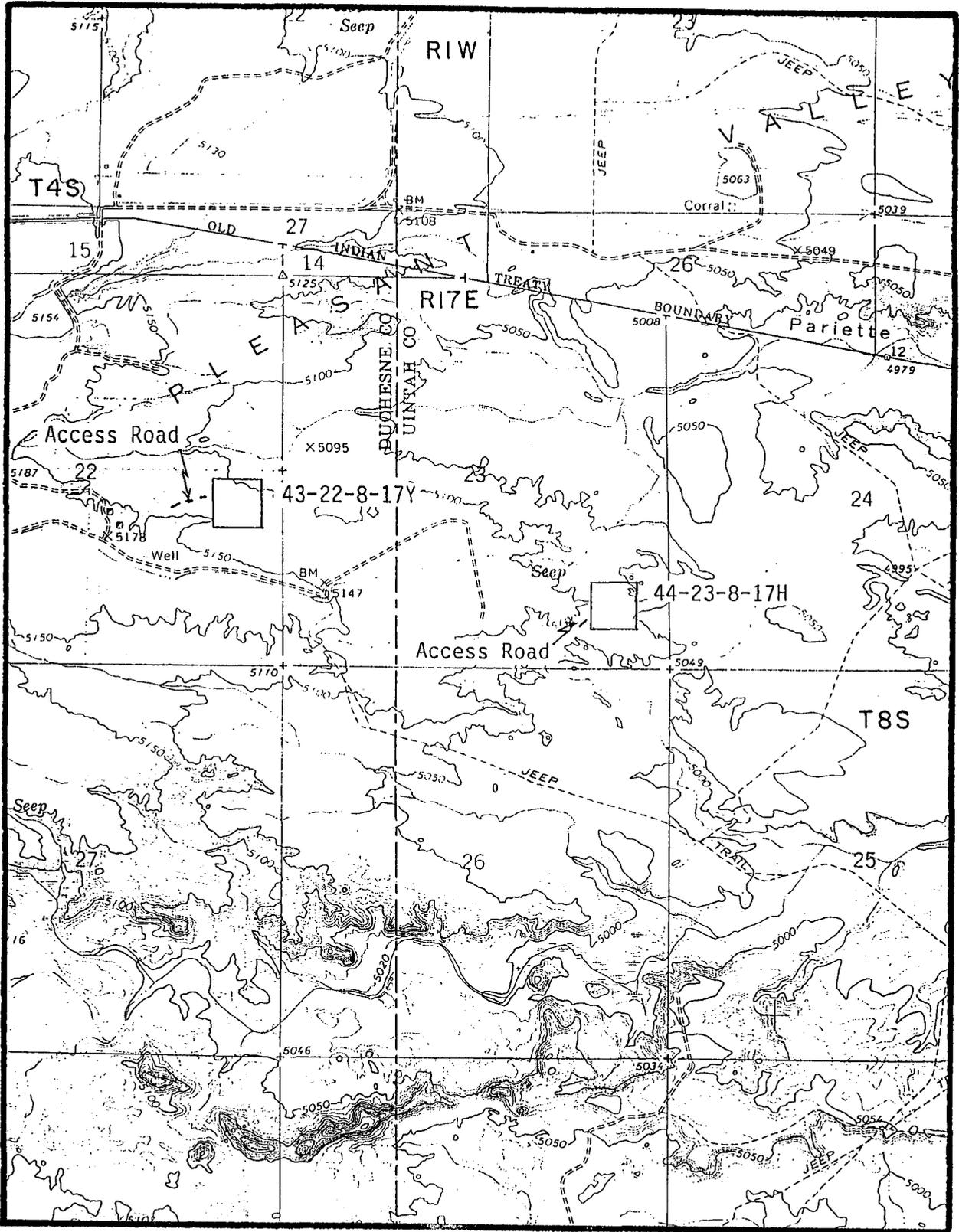


Figure 3. Equitable Resources Monument Federal 43-22-8-17Y and 44-23-8-17H with Access Roads. USGS Pariette Draw SW, UT 7.5', 1964. Scale 1:24000.

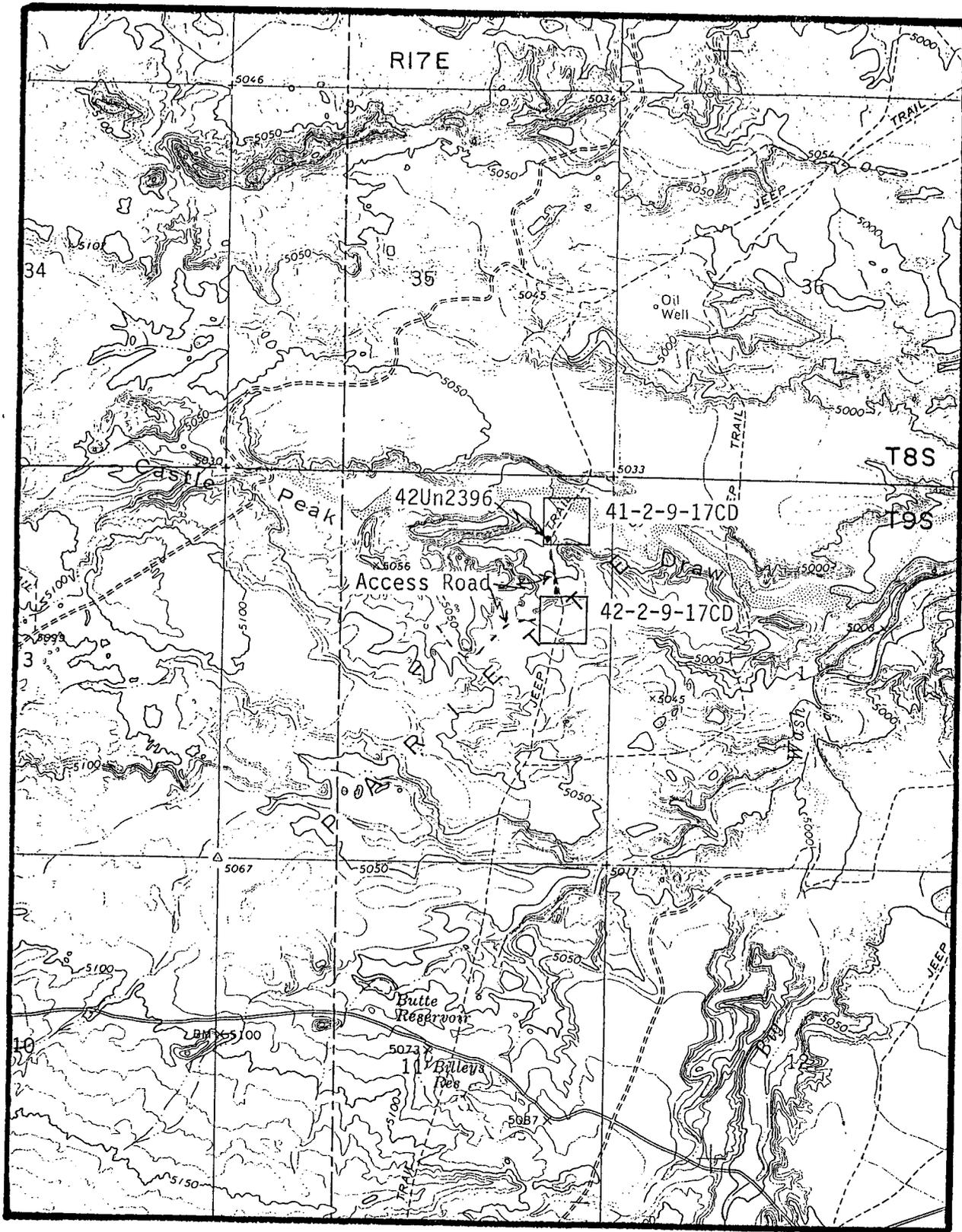


Figure 4. Equitable Resources Monument State 41-2-9-17CD and 42-2-9-17CD, Access Roads and Cultural Resources. USGS Pariette Draw SW, UT 7.5', 1964. Scale 1:24000.

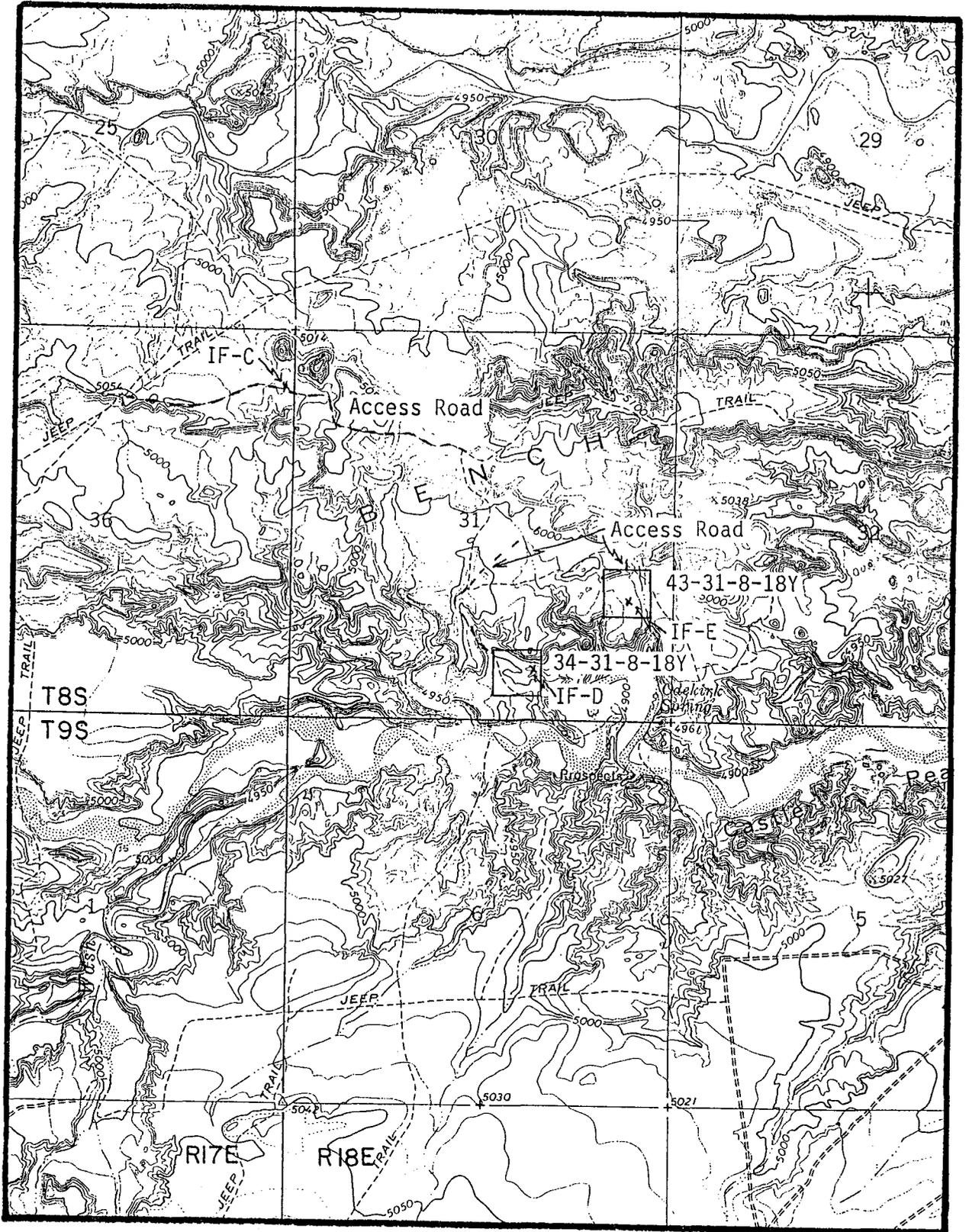


Figure 5. Equitable Resources Monument Federal 33-31-8-18Y and 43-31-8-18Y, Access Roads and Cultural Resources. USGS Pariette Draw SW, UT 7.5', 1964. Scale 1:24000.

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the nine proposed well locations, a 10 acre square was defined, centered on the well pad center stake. The interiors of the well locations were examined for cultural and paleontological resources by the archaeologist walking parallel transects spaced no more than 10 m apart. The access roads were surveyed to a 100 foot (30 m) width by walking parallel transects along the staked centerline, spaced no more than 10 m apart. Ground visibility was good. The acreage included 89.7 acres (70 acres wells, 19.7 acres access road) on BLM land (Diamond Mountain Resource Area), and 31.5 acres (20 acres wells, 11.5 acres access route) on State of Utah lands. A total of 121.2 acres (90 acres wells, 31.2 acres access route) was inventoried for this project.

Cultural resources were recorded as archaeological sites or isolated finds of artifact. Archaeological sites were defined as spatially definable areas with features and/or ten or more artifacts. Sites were documented by the archaeologist walking transects across the site, spaced no more than 3 m apart, and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a Brunton compass was employed to point-provenience diagnostic artifacts and other relevant features in reference to the site datum, a steel rebar stamped with a temporary site number. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds are defined as individual artifacts or light scatter of items, which lack sufficient material culture to warrant IMACS forms, or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

## INVENTORY RESULTS

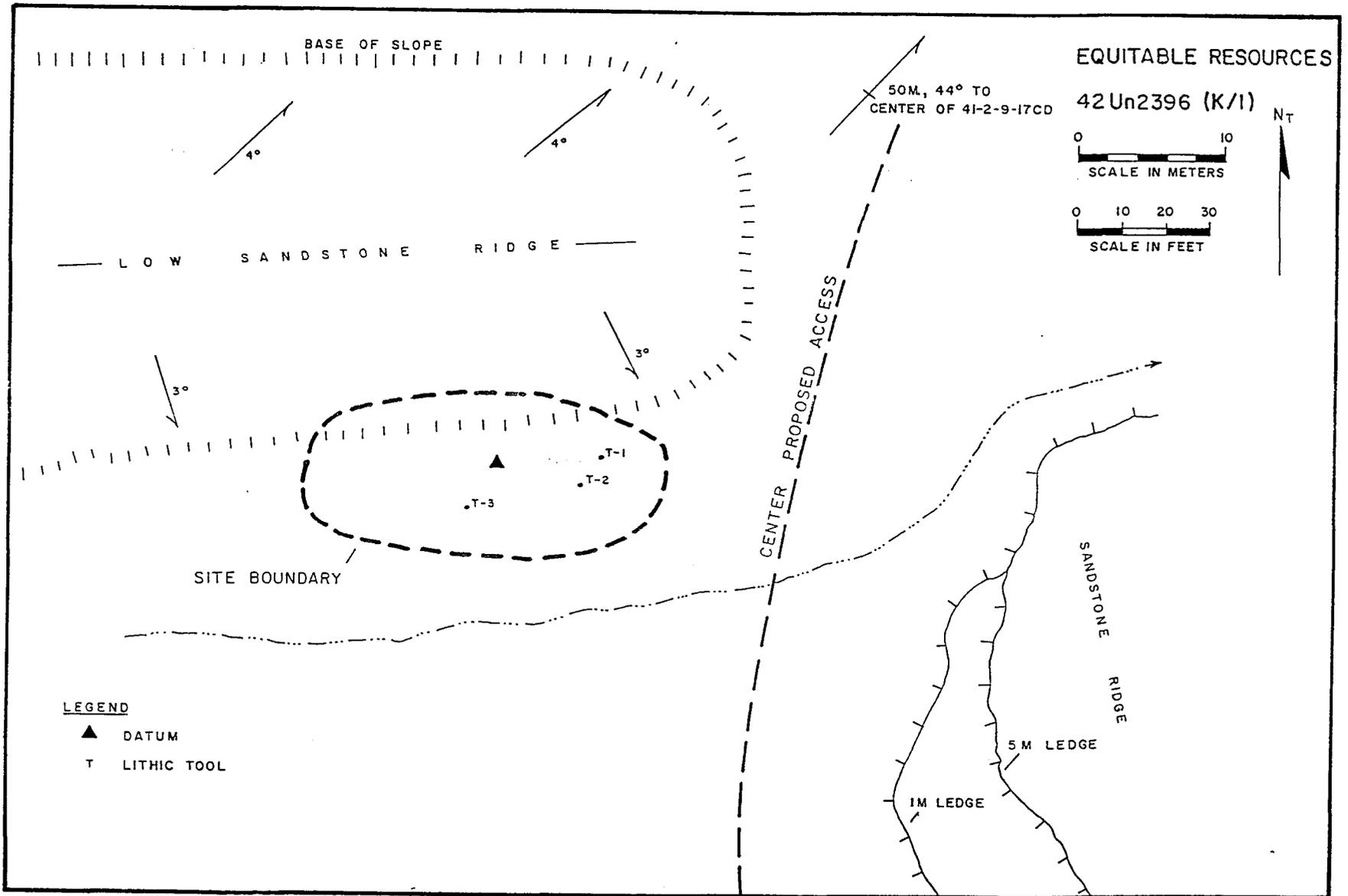
The inventory of Equitable Resources nine proposed well locations and associated access roads resulted in the documentation of one newly-found archaeological site (42Un2396) and five isolated finds of artifacts (IF-A through IF-E).

<u>Smithsonian Site No.:</u>	42Un2396
<u>Temporary Site No.:</u>	K/1
<u>Well Location:</u>	Monument State 41-2-9-17CD
<u>Legal Description:</u>	T. 9S, R. 17E, S. 2, SW/NE/NE
<u>Jurisdiction:</u>	State of Utah
<u>Description:</u>	This is a lithic scatter of unknown temporal affiliation situated along the edge of Castle Peak Draw on Pariette Bench (Figure 4). The site occurs along the base of a low sandstone ridge and measures 11 m N-S by 25 m E-W (Figure 6). Cultural materials are manufactured from white opaque chert and include 22 flakes dominated by secondary reduction flakes. Lithic tools consist of a Stage II biface, a Stage III biface, and an unprepared core. The site lies on a deflated and eroded residual surface with minimal potential for subsurface artifacts or cultural features.

Isolated Finds of Artifacts

Isolated Find A (IF-A) is located in the SE, NE, SW of S. 6, T. 9S., R. 16. (UTM 571380E and 4434140N). It consists of a white opaque chert decortication and secondary flake. Isolated Find B (IF-B) is located in the NE, SW, NE of S. 35, T. 9S., R. 17E. (UTM 583020E and 4434140N). It is a white opaque chert decortication flake. Isolated Find C (IF-C) is located in the SE, NE, NE of S. 36, T. 8S., R. 17E. (UTM 589960E and 4436940N). It is a white semi-translucent chert decortication flake. Isolated Find D (IF-D) is located in the NE, SW, SE

Figure 6. Site 42Un2396 Map.



of S. 31, T. 9S., R. 18E. (UTM 591040E and 4435760N) and consists of a white semi-translucent chert unprepared core with 10 flakes removed from wide margins (8.5cmx6.0x4cmx4.0cm). Isolated Find E (IF-E) is located in the SW, NE, SE of S. 31, T. 8S., R. 18E. (UTM 591400E and 4436060N). It consists of a black opaque chert secondary flake.

#### NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
- b)...are associated with the lives of persons significant to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of Equitable Resources nine well locations and access road resulted in the documentation of one prehistoric site and five isolated finds of artifacts. Site 42Un2396 is considered not eligible for inclusion to the NRHP. This is a limited activity lithic scatter lacking temporal diagnostic artifacts. The site lies on a deflated and eroded surface with very minimal potential for buried diagnostic artifacts or cultural features. It is evaluated as not eligible for nomination to the NRHP, based on its lack of research potential. The five prehistoric isolated finds of artifacts are evaluated as not eligible to the NRHP, since they lack additional research potential.

#### SUMMARY AND RECOMMENDATIONS

The inventory of Equitable Resources nine Monument Federal and State well locations and access roads resulted in the recordation of one prehistoric site and five isolated finds of artifacts. No paleontological localities were observed in the project area. Site 42Un2396 is evaluated as not eligible to the NRHP. Based on these findings, a determination of "no effect" is recommended for this project pursuant to Section 106, CFR 800.

## References Cited

- Alexander, Robert  
1985 Archaeological Survey of Roseland Federal 11-5, Duchesne County, Utah. Grand River Consultants, Colorado. BLM Report No. U-85-GB-703.
- Beaty, Richard  
1995 Evaluation of 13 Balcron Well Locations and Access Routes in the Castle Peak Draw Locality, Duchesne and Uintah Counties, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. 013-251.
- Hartley, John D.  
1984 Archaeological Survey for Lomax Exploration Company's Antelope Canyon Federal 4-23, Duchesne County, Utah. BLM Report No. 013-229.
- Hamblin, Alden  
1993 Paleontological Report of Balcron Oil Monument State 22-2 and 32-2 Well Locations, Duchesne County, Utah. Coyote Basin Paleontology, Vernal, UT. On file at the Utah Geological Survey, Salt Lake City.  
1995 Paleontological Report of Lomax Exploration Sundance State #5-32 SW, NW Section 32, T8S, R18E, SLB&M, Uintah County, Utah. Coyote Basin Paleontology, Vernal, UT. On file at the Utah Geological Survey, Salt Lake City.  
1996 Personal Communication [telephone conversation between Keith Montgomery and Alden Hamblin of Coyote Basin Paleontology on January 22, 1996 concerning monitory results of 42Un194V].
- Hauck, F.R.  
1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. 013-251.  
1984 Cultural Resource Evaluation of the Phillips Petroleum Pipeline Corridor in the Antelope Canyon, Wells Draw and Pariette Bench Localities, Duchesne County, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. 013-251.  
1994 Balcron Oil Units 44-4Y, 44-33Y, 31-5Y and 41-19Y in the Monument Butte Locality, Duchesne County, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. U-94-AF-167.  
1996 Cultural Resource Evaluation of Thirteen Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Duchesne & Uintah Counties, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. U-95-AF-773.
- Hauck, F.R. and Glade V. Hayden  
1993 Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Archeological-Environmental Research Corporation, Bountiful. BLM Report No. U-93-AF-669.  
1994 Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw-Castle Peak Draw-Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Archeological-Environmental Research Corporation, Bountiful.

- Montgomery Keith and Jacki Montgomery  
1996 Cultural Resource Inventories of Equitable Resources Monument Federal Sixteen Well Locations in the Wells Draw Locality, Duchesne County, Utah. Montgomery Archaeological Consultants. BLM Report No. U-96-MQ-703.
- Philips, Blaine  
1983 Archaeological Survey of the CC-Pond, Uintah County, Utah. Bureau of Land Management, Vernal District.  
1990 Cultural Resource Inventory of Nelson Pipeline and Reservoir, Duchesne County, Utah. Bureau of Land Management, Vernal District. BLM Report No. U-90-BL-0602.
- Polk, Michael R.  
1991 A Cultural Resource Survey of Four Proposed Greenwood Wells near Pariette Draw, Uintah and Duchesne Counties, Utah. Sagebrush Archaeological Consultants, Ogden, Utah. BLM Report No. U-91-SJ-0099.
- Simmons, Wendy  
1993 Cultural Resource Inventory of the Pleasant Valley/Wells Draw Block Survey, Duchesne County, Utah. Sagebrush Archaeological Consultants, Ogden, Utah. BLM Report No. U-93-SJ-644.
- Stokes, William L.  
1986 Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.
- Tate, Marcia J.  
1984 Archaeological Survey of Damson Oil Corporation. Federal #22-12, Duchesne County, Utah. Powers Elevation, Golden, Colorado. BLM Report No. 013-152.
- Weymouth, Heather M. and Lynita S. Langley  
1996 A Cultural Resources Survey of Inland Resources Pipeline Group 2: Segment 3, Duchesne County, Utah. Sagebrush Archaeological Consultants, Ogden, Utah. BLM Report No. U-96-SJ-076.

APPENDIX A  
INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS)  
SITE INVENTORY FORM

On File At:

Utah Division of State History  
Salt Lake City, Utah

and

U.S. Bureau of Land Management  
Diamond Mountain Resource Area  
Vernal, Utah

IMACS SITE FORM

PART A - ADMINISTRATIVE DATA

1. STATE NO.: 42Un2396
2. AGENCY NO.:
3. TEMP NO.: K/1
4. STATE: Utah
5. PROJECT: Equitable Resources Nine Monument Federal and State Well Locations in the Wells Draw and Pariette Draw Localities  
Report No.: U-97-MQ-003b,s  
COUNTY: Uintah
6. SITE NAME/PROPERTY NAME:
7. CLASS:  PREHISTORIC  HISTORIC  PALEONTOLOGIC  ETHNOGRAPHIC
8. SITE TYPE: Lithic Scatter
9. ELEVATION: 5000 ft
10. UTM GRID: Zone [12] [588100] E [4435240] N
11. [SW1/4] of [NE1/4] of [NE1/4] of Section [2] Township [9S] Range [17E].
12. MERIDIAN: Salt Lake
13. MAP REFERENCE: USGS Pariette Draw SW, UT 7.5', 1964
14. AERIAL PHOTO:
15. LOCATION AND ACCESS: The site is located adjacent to Castle Peak Draw south of Myton, Utah. Drive south from US-40 (MP 104.7) along the Sand Wash/Pleasant Valley road for about 11.1 miles to an intersection. Turn east and drive 1.5 miles to a road intersection. Turn east and proceed 0.8 miles to well location Equitable Resources Monument State #32-2. Walk east 2000 ft to Monument State 42-2, than continue north for 700 ft to the site area. The datum is a rebar with the temporary site number stamped on the aluminum cap.
16. LAND OWNER: State of Utah
17. FEDERAL ADMIN. UNITS: N/A
18. LOCATION OF CURATED MATERIALS:
19. SITE DESCRIPTION: This is a lithic scatter of unknown temporal affiliation situated along the edge of Castle Peak Draw on Pariette Bench. The site occurs along the base of a low sandstone ridge and measures 11 m N-S by 25 m E-W. Cultural materials are manufactured from white opaque chert and includes 22 flakes dominated by secondary reduction flakes. Lithic tools consist of a Stage II biface, a Stage III biface, and an unprepared core. The site lies on a deflated and eroded residual surface with minimal potential for subsurface artifacts or cultural features.
20. SITE CONDITION:  EXCELLENT  GOOD  FAIR  POOR
21. IMPACT AGENT(S): Deflation and Erosion
22. NAT. REGISTER STATUS:  SIGNIFICANT  
 NON-SIGNIFICANT  
 UNEVALUATED
23. JUSTIFY: This is a limited activity lithic scatter lacking temporal diagnostic artifacts. The site lies on a deflated and eroded surface with very minimal potential for buried diagnostic artifacts or cultural features. It is evaluated as not eligible for nomination to the NRHP, based on its lack of research potential.
24. PHOTOS: Roll 003:1 Exp. 22-27
25. RECORDED BY: Keith Montgomery
26. SURVEY ORGANIZATION: Montgomery Archaeological Consultants
27. ASSISTING CREW MEMBERS: N/A
28. SURVEY DATE: 1-10-97
- LIST OF ATTACHMENTS:  PART B  PART C  
 TOPO MAP  SITE MAP  
 PHOTOS  OTHER  
 ARTIFACT/FEATURE SKETCH

PART A - ENVIRONMENTAL DATA

29. SLOPE: [2] (Degrees) [180] ASPECT (Degrees)  
30. DISTANCE TO PERMANENT WATER: [0] X 100 METERS  
TYPE OF WATER SOURCE: [ ] SPRING/SEEP  
[ ] STREAM/RIVER  
[ ] LAKE  
[X] OTHER
- NAME OF WATER SOURCE: Castle Peak Draw (Ephemeral Drainage)  
31. GEOGRAPHIC UNIT: Uinta Basin (CAA)  
32. TOPOGRAPHIC LOCATION  
PRIMARY LANDFORM: Tableland (C)  
SECONDARY LANDFORM: Terrace/Bench (R)  
DESCRIBE: The site is situated on Pariette Bench aside Castle Peak Draw  
33. ON-SITE DEPOSITIONAL CONTEXT: Residual  
DESCRIPTION OF SOIL: Light brown sand with gravel  
34. VEGETATION  
A. LIFE ZONE: Upper Sonoran  
B. COMMUNITY  
PRIMARY ON-SITE: Shadscale  
SECONDARY ON-SITE: Shadscale  
SURROUNDING SITE: Shadscale  
DESCRIBE: Shadscale, snakeweed, Indian ricegrass and prickly pear cactus  
35. MISCELLANEOUS TEXT:  
36. COMMENTS/CONTINUATIONS:

PART B - PREHISTORIC SITES

1. SITE TYPE: Lithic Scatter  
2. CULTURE:  
CULTURAL AFFILIATION: Unknown  
DATING METHOD: N/A  
DESCRIBE: The site lacked temporal diagnostic artifacts.  
3. SITE DIMENSIONS: [25 E-W] M by [11 N-S] M  
AREA [216] SQ M  
4. SURFACE COLLECTION/METHOD: N/A  
5. ESTIMATED DEPTH OF CULTURAL FILL: Surface  
How estimated (If tested, show location on site map):  
6. EXCAVATION STATUS: [ ] EXCAVATED  
[ ] TESTED  
[X] UNEXCAVATED  
TESTING METHOD: N/A  
7. SUMMARY OF ARTIFACTS AND DEBRIS: Lithic Scatter (LS)  
DESCRIBE: This is a lithic scatter with artifacts dispersed throughout the site area. All the lithic materials are manufactured from a white opaque chert. The site contained 22 white chert flakes dominated by secondary reduction items, two broken bifaces (Stage II and III), and an unprepared core.  
8. LITHIC TOOLS:
- | # | TYPE   | # | TYPE |
|---|--------|---|------|
| 2 | Biface | 1 | Core |

DESCRIBE: Tool 1 is a white opaque chert subovate Stage III biface with a mid-lateral bend fracture (3.6cmx2.6cmx0.6cm). Tool 2 is a white opaque chert subtriangular Stage II biface with a mid-lateral bend fracture (3.7cmx3.6cmx0.8cm). Tool 3 is a white opaque chert unprepared core with 6 flakes detached from wide margins (8cmx6cmx3.5cm).

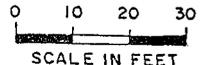
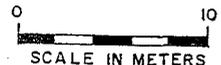
IMACS SITE FORM: 42Un2396, PART B (Cont.)

9. LITHIC DEBITAGE - ESTIMATED QUANTITY: 22 (C)  
MATERIAL TYPE: White opaque chert  
FLAKING STAGES: (0) NOT PRESENT (1) RARE  
(2) COMMON (3) DOMINANT  
[1] DECORTICATION [3] SECONDARY [1] TERTIARY [0] SHATTER [1] CORE
10. MAXIMUM DENSITY-#/SQ M (all lithics): 5 items per sq. m
11. CERAMIC ARTIFACTS:  
# TYPE # TYPE
- DESCRIBE: None
12. MAXIMUM DENSITY-#/SQ M (ceramics):
13. NON-ARCHITECTURAL FEATURES (locate on site map):  
DESCRIBE: None
14. ARCHITECTURAL FEATURES (locate on site map):  
# MATERIAL TYPE
- DESCRIBE: None

EQUITABLE RESOURCES

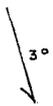
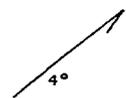
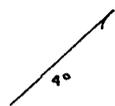
42Un2396 (K/I)

NT



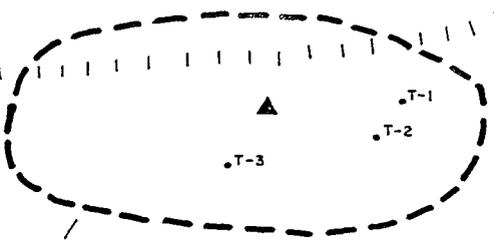
50M, 44° TO  
CENTER OF 41-2-9-17CD

BASE OF SLOPE



LOW SANDSTONE RIDGE

CENTER PROPOSED ACCESS



SITE BOUNDARY

SANDSTONE RIDGE

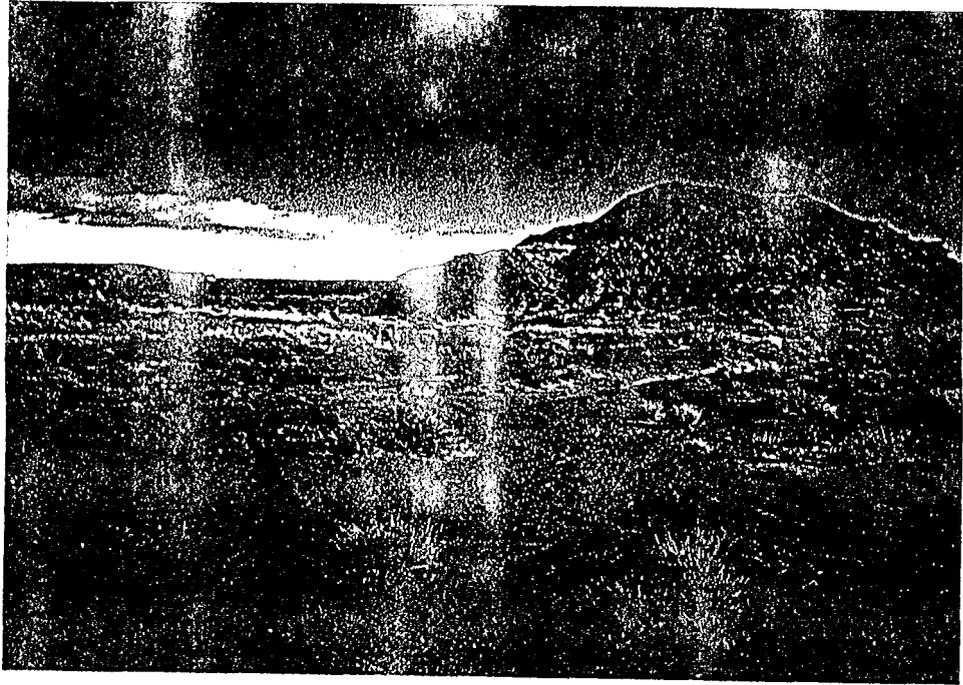
5 M LEDGE

1M LEDGE

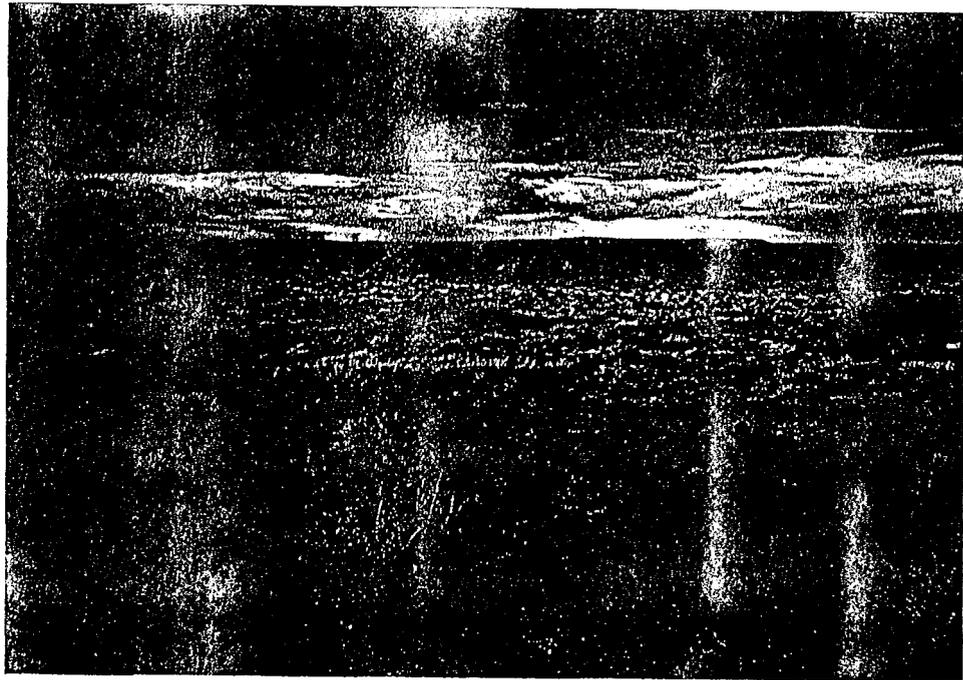
LEGEND

- ▲ DATUM
- T LITHIC TOOL





42Un2396: Photo viewed to the east showing site  
in center beside rocky knoll. Roll 003:1:24



42Un2396: Site in center foreground with pinflags marking  
artifacts, viewed to the north. Roll 003:1:26

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface NE SW Section 6, T9S, R16E  
At proposed prod. zone 1938' FSL, 1756' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 12.3 miles southwest of Myton, UT

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

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5890'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program/Casing Design				

Operator plans to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the Application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining

**CONFIDENTIAL**

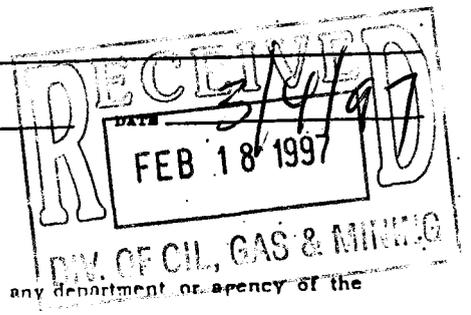
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE February 14, 1997

(This space for Federal or State office use)

PERMIT NO. 43-063-31812 APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 23-6-9-16Y

API Number: 43-013-31812

Lease Number: U-74390

Location: NESW Sec. 6 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone identified at  $\pm 705$  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  $\pm 505$  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. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

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

Ed Forsman            (801) 789-7077  
Petroleum Engineer

Jerry Kenczka        (801) 789-1190  
Petroleum Engineer

BLM FAX Machine    (801) 781-4410

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

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

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

## SURFACE USE PROGRAM

### METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

### Plans For Reclamation Of Location

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

### Other Information

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

### **Raptor Habitat**

If this is a producing well the operator is required to install a hospital type muffler or a multicylinder engine to the pumping unit to limit noise impacts to nesting raptor species

### **Erosion Control**

To minimized erosion due to the development of this well location the operator will develop a silt catchment basin approximately 200 feet Northeast of corner #1 in a small drainage. Minimum Standards For Dams Impounding Under 10 Acre Feet are attached.

For this location NESW Section 6, the Timing Limitation Stipulation concerning sage grouse nesting areas has been waived by the Authorized Officer

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
- B. Dam layout and location shall be with surveying instruments by qualified personnel.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
- B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
- C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
- D. Vegetation, debris and topsoil moved below the dam shall be contoured smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
- E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.

III. Core Trench and Dam Foundation

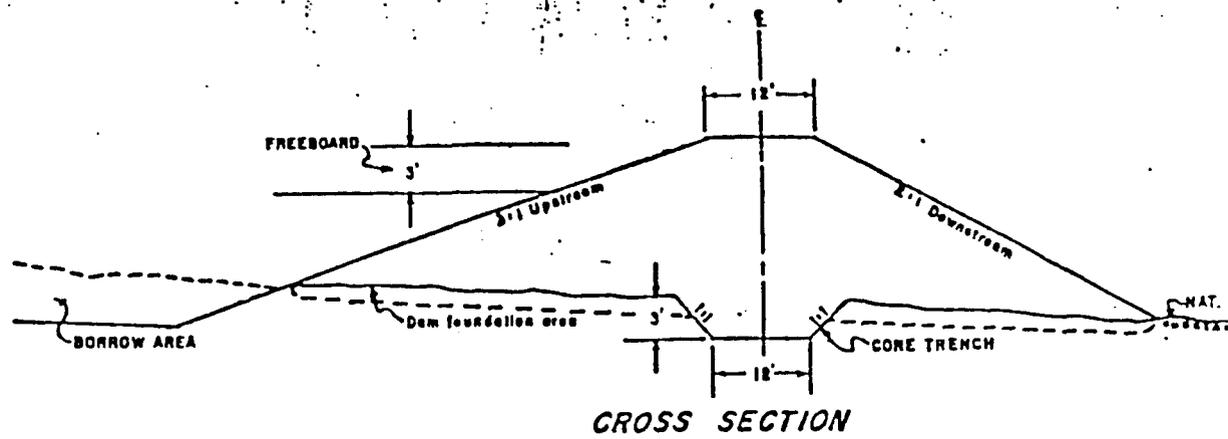
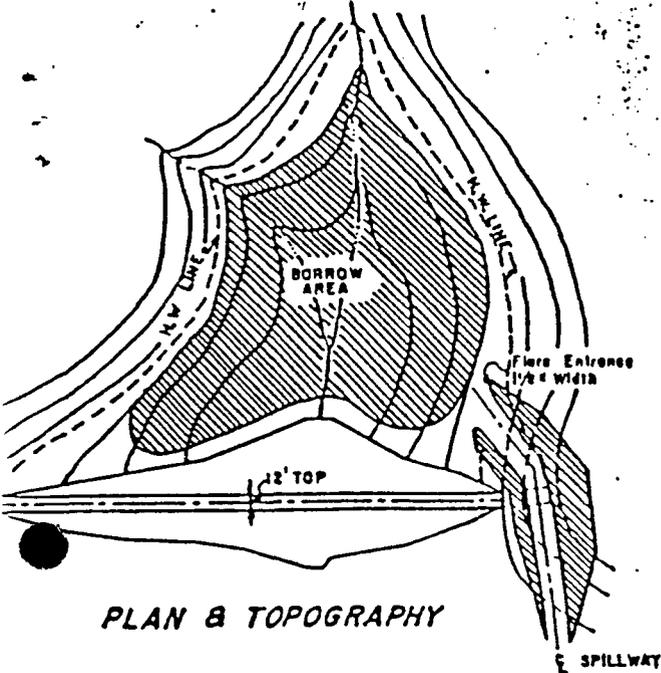
- A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
- B. Sides of the core trench shall not be steeper than 1:1 slopes.
- C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.

IV. Dam and Core Fill

- A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6" when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Fill shall be smoothed, maintaining specified slopes.

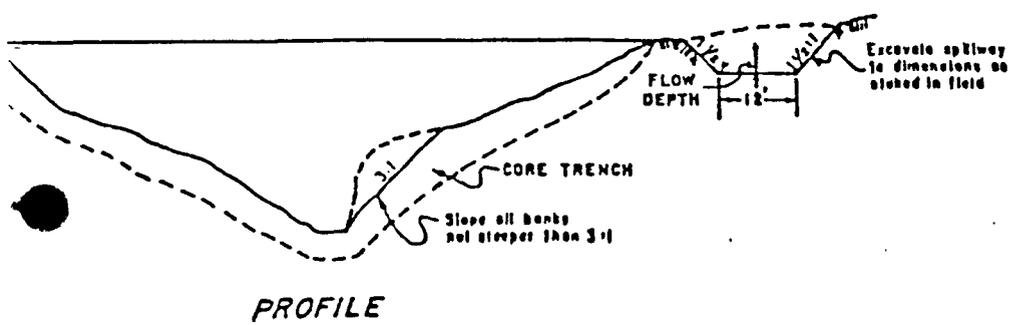
V. Spillway

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.



**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILL WAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET _____
DRAWING NO. _____	

**ALWAYS THINK SAFETY**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/18/97

API NO. ASSIGNED: 43-013-31812

WELL NAME: MONUMENT FEDERAL 23-6-9-16Y  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 NESW 06 - T09S - R16E  
 SURFACE: 1938-FSL-1756-FWL  
 BOTTOM: 1938-FSL-1756-FWL  
 DUCHESNE COUNTY  
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
 LEASE NUMBER: UTU - 74390

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
 (Number MT 0596)

Potash (Y/N)

Oil shale (Y/N)

Water permit  
 (Number 43-1721)

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

LOCATION AND SITING:

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

\_\_\_ R649-3-2. General.

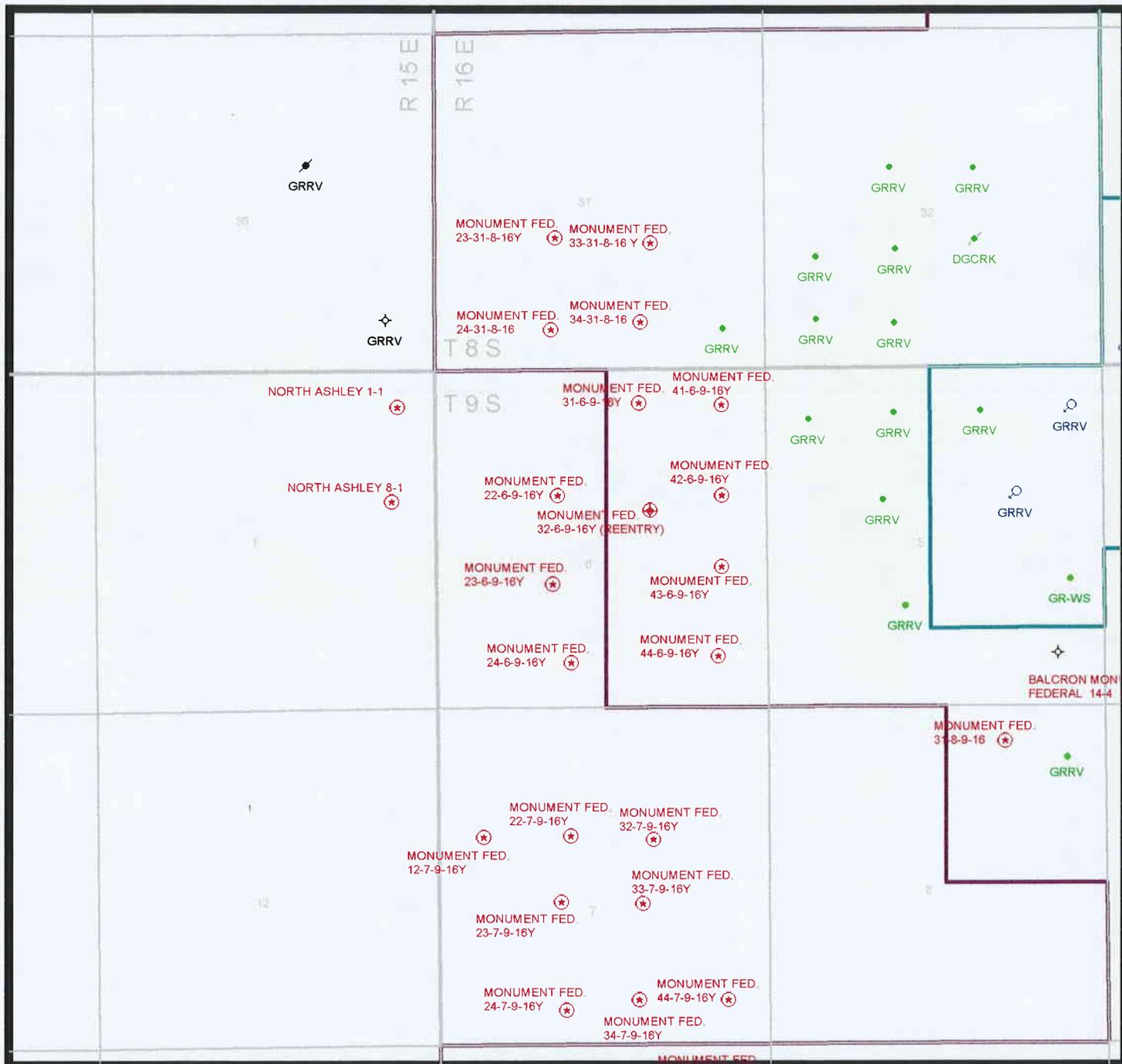
R649-3-3. Exception.

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

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

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

**OPERATOR: EQUITABLE (N 9890)**  
**FIELD: UNDESIGNATED (002)**  
**SECTION: 6 T9S, R16E**  
**COUNTY: DUCHESNE**  
**SPACING: UAC R649-3-2**



**PREPARED:**  
**DATE: 18-FEB-97**



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

February 21, 1997

Mr. Mike Hebertson  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple  
Suite 1210  
Sale Lake City, UT 84114-5801

Dear Mr. Hebertson:

RE: Monument Federal #23-6-9-16Y  
NE SW Section 6, T9S, R16E  
Duchesne County, Utah

As Operator, we request an exception to location for this proposed wellsite.  
It was moved due to topographical reasons.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

cc: Bureau of Land Management (Vernal, UT)





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

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

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

March 4, 1997

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Monument Federal 23-6-9-16Y Well, 1938' FSL, 1756' FWL,  
NE SW, Sec. 6, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31812.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth".

R. J. Firth  
Associate Director

lwp

Enclosures

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

Operator: Equitable Resources Energy Company  
Well Name & Number: Monument Federal 23-6-9-16Y  
API Number: 43-013-31812  
Lease: UTU-74390  
Location: NE SW Sec. 6 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

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

Notify the Division prior to commencing operations to plug and abandon the well. Contact R. J. Firth (801)538-5274 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

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface NE SW Section 6, T9S, R16E  
At proposed prod. zone 1938' FSL, 1756' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 12.3 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
16. NO. OF ACRES IN LEASE

13. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH 5,850'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5890'

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Monument Federal

9. WELL NO.  
#23-6-9-16Y

10. FIELD AND POOL, OR WILDCAT  
Mon. Butte/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UTAH

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
April 1, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program/Casing Design				

Operator plans to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the Application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining

RECEIVED  
FEB 18 1997

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

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE February 14, 1997  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ACTING Assistant Field Manager Mineral Resources DATE MAR 05 1997  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

U4080-7M-135

...willfully to make to any department or agency of the

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 23-6-9-16Y

API Number: 43-013-31812

Lease Number: U-74390

Location: NESW Sec. 6 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished 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 running the next casing string or requesting plugging orders.** Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

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

2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone identified at  $\pm 705$  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  $\pm 505$  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. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

Wayne P. Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
Jerry Kenczka Petroleum Engineer	(801) 789-1190
BLM FAX Machine	(801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

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

## **SURFACE USE PROGRAM**

### METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

### Plans For Reclamation Of Location

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

### Other Information

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

### **Raptor Habitat**

If this is a producing well the operator is required to install a hospital type muffler or a multicylinder engine to the pumping unit to limit noise impacts to nesting raptor species

### **Erosion Control**

To minimized erosion due to the development of this well location the operator will develop a silt catchment basin approximately 200 feet Northeast of corner #1 in a small drainage. Minimum Standards For Dams Impounding Under 10 Acre Feet are attached.

For this location NESW Section 6, the Timing Limitation Stipulation concerning sage grouse nesting areas has been waived by the Authorized Officer

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
- B. Dam layout and location shall be with surveying instruments by qualified personnel.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
- B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
- C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
- D. Vegetation, debris and topsoil moved below the dam shall be contoured smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
- E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.

III. Core Trench and Dam Foundation

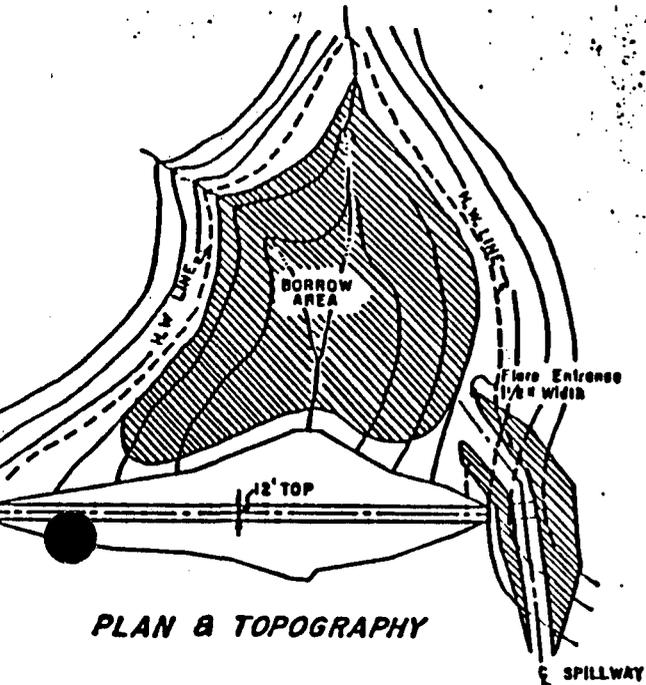
- A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
- B. Sides of the core trench shall not be steeper than 1:1 slopes.
- C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.

IV. Dam and Core Fill

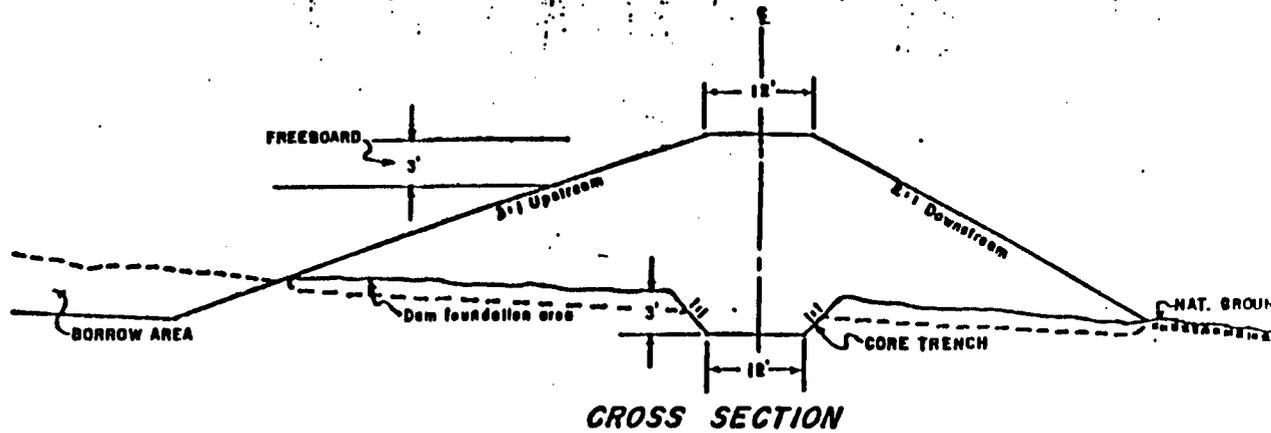
- A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6" when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Fill shall be smoothed, maintaining specified slopes.

V. Spillway

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.

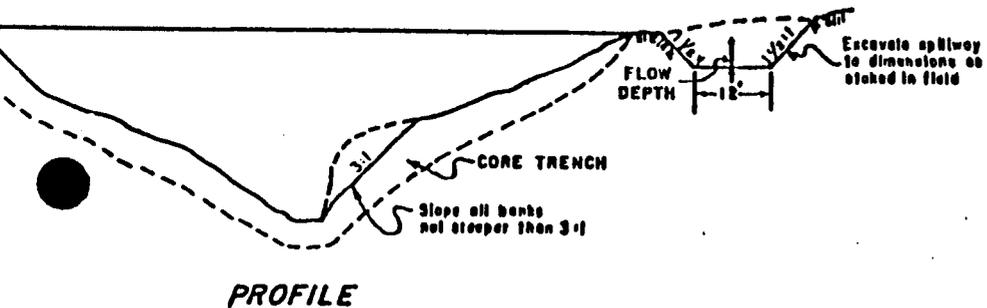


PLAN & TOPOGRAPHY



**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP. OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.



PROFILE

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHIEF, DIV. OF</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** BPO 638-178

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0133  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

- Oil Well
- Gas Well
- Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

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

See Attached

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

12. CHECK APPROPRIATE BOX(es) 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 Operator
- 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.)

Effective September 30, 1997, Inland Production Company will take over Operations of the Approved and Pending Applications for Permit to Drill listed on the attached exhibit. The previous Operator was: Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

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

Signed

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date

9/30/97

(This space for Federal or State office use)

Approved by  
Conditions of approval, if any:

Title

Date

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

\*See instruction on Reverse Side

Revised 9/17/97		09/30/97		EREC APD LIST (APPROVED and PENDING)							
WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ST.	APD STATUS	ZONE		
Monument Federal #11-10-9-17Y	Monument Butte	NW NW	10	9S	17E	Duchesne	UT	PND	Green River		
Monument Federal #11-17-9-16Y	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #12-7-9-16Y	Monument Butte	SW NW	7	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #12-11-9-17Y	Monument Butte	SW NW	11	9S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #14-22-8-17	Monument Butte	SW SW	22	8S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #14-25-8-17	Monument Butte	SW SW	25	8S	17E	Uintah	UT	APRVD	Green River		
Monument Federal #21-6-9-16Y	Monument Butte	NE NW	6	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #21-18-9-16Y	Monument Butte	NE NW	18	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #21-22-9-16Y	Monument Butte	NE NW	22	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #22-6-9-16Y	Monument Butte	SE NW	6	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #22-7-9-16Y	Monument Butte	SE NW	7	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #23-6-9-16Y	Monument Butte	NE SW	6	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #23-31-8-16Y	Monument Butte	NE SW	31	8S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #24-8-9-16Y	Monument Butte	SE SW	6	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #24-7-9-16Y	Monument Butte	SE SW	7	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #24-31-8-16Y	Monument Butte	SE SW	31	8S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #31-10-9-17Y	Monument Butte	NW NE	10	9S	17E	Duchesne	UT	PND	Green River		
Monument Federal #32-5-9-17	Monument Butte	SW NE	5	9S	17E	Duchesne	UT	PND	Green River		
Monument Federal #32-7-9-16Y	Monument Butte	SW NE	7	9S	18E	Duchesne	UT	APRVD	Green River		
Monument Federal #32-18-9-16Y	Monument Butte	SW NE	18	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #32-20-9-18Y	9 Mile Flat	SW NE	20	9S	18E	Uintah	UT	APRVD	Green River		
Monument Federal #33-5-9-17	Monument Butte	NW SE	5	9S	17E	Duchesne	UT	PND	Green River		
Monument Federal #33-7-9-16Y	Monument Butte	NW SE	7	9S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #33-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #34-6-9-16Y	Monument Butte	SW SE	34	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #34-7-9-16Y	Monument Butte	SW SE	7	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #34-31-8-18Y	Monument Butte	SWSE	34	8S	18E	Uintah	UT	PND	Green River		
Monument Federal #41-22-8-17	Monument Butte	NE NE	22	8S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #41-25-8-17	Monument Butte	NE NE	25	8S	17E	Uintah	UT	APRVD	Green River		
Monument Federal #41-35-9-18Y	Monument Butte	NE NE	35	9S	18E	Uintah	UT	APRVD	Green River		
Monument Federal #42-22-8-17	Monument Butte	SE NE	22	8S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #42-25-8-17	Monument Butte	NE NE	25	8S	17E	Uintah	UT	APRVD	Green River		
Monument Federal #43-22-8-17	Monument Butte	NE SE	22	8S	17E	Duchesne	UT	APRVD	Green River		
Monument Federal #43-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River		
Monument Federal #43-31-8-18Y	Monument Butte	NE SE	31	8S	18E	Uintah	UT	PND	Green River		
Monument Federal #43-25-8-17	Monument Butte	NE SE	25	8S	17E	Uintah	UT	APRVD	Green River		
Monument Federal #44-7-9-16Y	Monument Butte	SE SE	7	9S	16E	Duchesne	UT	PND	Green River		
Monument Federal #44-31-8-18Y	Monument Butte	SE SE	31	8S	18E	Uintah	UT	PND	Green River		
Monument State #41-2-9-17CD	Monument Butte	NE NE	2	9S	17E	Uintah	UT	APRVD	Green River		
Monument State #42-2-9-17CD	Monument Butte	SE NE	2	9S	17E	Uintah	UT	APRVD	Green River		

**INLAND PRODUCTION COMPANY  
NINE MILE #11-6  
NE/SW SECTION 6, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' - 3050'
Green River	3050'
Wasatch	6500'

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

Green River Formation 3050' - 6500' - Oil

**4. PROPOSED CASING AND CEMENTING 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)

<u>SIZE OF HOLE</u>	<u>SIZE OF CASING</u>	<u>WEIGHT/FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
12 1/4"	8 5/8"	24#	300'	120 sx
7 7/8"	5 1/2"	15.5#	TD	400 sx followed by 330 sx

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

**SURFACE PIPE** – Premium Plus Cement, w/ 2% Gel, 2% CaCl<sub>2</sub>, 1/4#/sk Flocele  
Weight: 14.8 PPG      YIELD: 1.37 Cu Ft/sk      H<sub>2</sub>O Req: 6.5 Gal/sk

**LONG STRING:** Lead: Hibond 65 Modified  
Weight: 11.0 PPG      YIELD: 3.00 Cu Ft/sk      H<sub>2</sub>O Req: 18.08 Gal/sk

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

**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)

NINE MILE #11-6

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

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

**AIR DRILLING**

In the event that the proposed Nine Mile #11-6 be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90 degree turns. Inland also requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

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

**MUD PROGRAM**

**MUD TYPE**

Surface - 320'	Air
320' - 4200'	Air/Mist & Foam
4200' - TD	The well will be drilled with fresh water through the Green River Formation @ 4200' ±, to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

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

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

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

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

NINE MILE #11-6

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H2S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence the fourth quarter of 1997, and take approximately six days to drill. Proposed depth @ 6500'.

**INLAND PRODUCTION COMPANY  
NINE MILE #11-6  
NE/SW SECTION 6, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Nine Mile #11-6 located in the NE 1/4 SW 1/4 Section 6, T9S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southwestly along Utah State Highway 53 - 8.0 miles to the beginning of the access road, to be discussed in Item #2.

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

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

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

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

Exit Utah State Hwy 53 in a southwesterly direction in the NE 1/4 SW 1/4 of Section 6, T9S, R16E, S.L.B. & M., and proceed southwesterly approximately 0.5 miles  $\pm$ , to the proposed location site. See Exhibit "B".

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

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

NINE MILE #11-6

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

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

3. **LOCATION OF EXISTING WELLS**

Refer to Exhibit "D".

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

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

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

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

Tank batteries will be built to BLM specifications.

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

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

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Nine Mile #11-6, or trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

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

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A small reserve pit (80 X 40 X 8' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of sale-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 northeast between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be stored on the south side, between stakes 1 & 8.

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

Corners #2 & #6 will be rounded to avoid excess fill & cut.

A silt catchment dam will be constructed approximately 200' northeast of corner #1 in a small drainage as specified in the COA's under **Erosion Control**. (minimum standards for dams impounding under 10 acre feet is attached.)

NINE MILE #11-6

**Fencing Requirements**

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

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

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

**10. PLANS FOR RESTORATION OF SURFACE**

- a) *Producing Location*

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

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

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

- b) *Dry Hole Abandoned Location*

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

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

12. **OTHER ADDITIONAL INFORMATION**

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

The Archaeological Cultural Resource Survey Report has been submitted by Equitable Resource Energy Company and is on file with the Bureau of Land Management.

***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 Nine Mile #11-6 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 Nine Mile #11-6, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

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

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

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #11-6 NE/SW Section 6, Township 9S, Range 16E: Lease #UTU-74390 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.

10/7/97  
Date

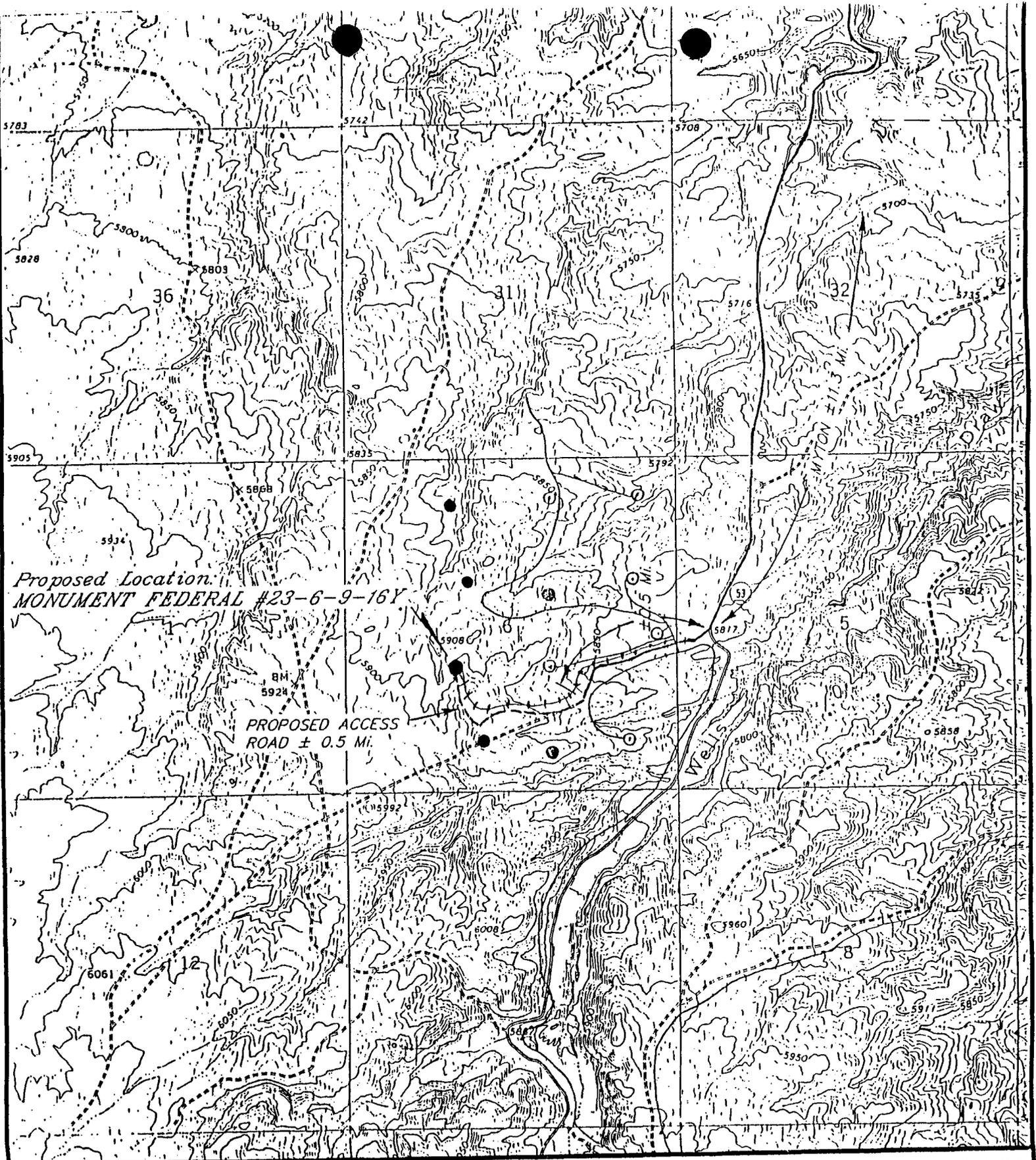
  
Cheryl Cameron  
Regulatory Compliance Specialist

## APPLICATION FOR PIPELINE RIGHT-OF-WAY

Please consider this Application for Permit to Drill also as an application for the pipeline (gas gathering system) Right-of-Way for this prospective well. See attached map for the pipeline route. The gas line will be a polyurethane surface line.

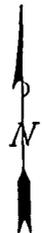
Please advise of the costs associated with this Right-of-Way and a check will be forthcoming.

Route will follow existing roads where feasible. Operator requests a 30' width for the Right-of-Way with an additional 30' width for working surface as necessary.



**GAS GATHERING LINES**

Nine Mile #11-6  
 Section 6, T9S, R16E

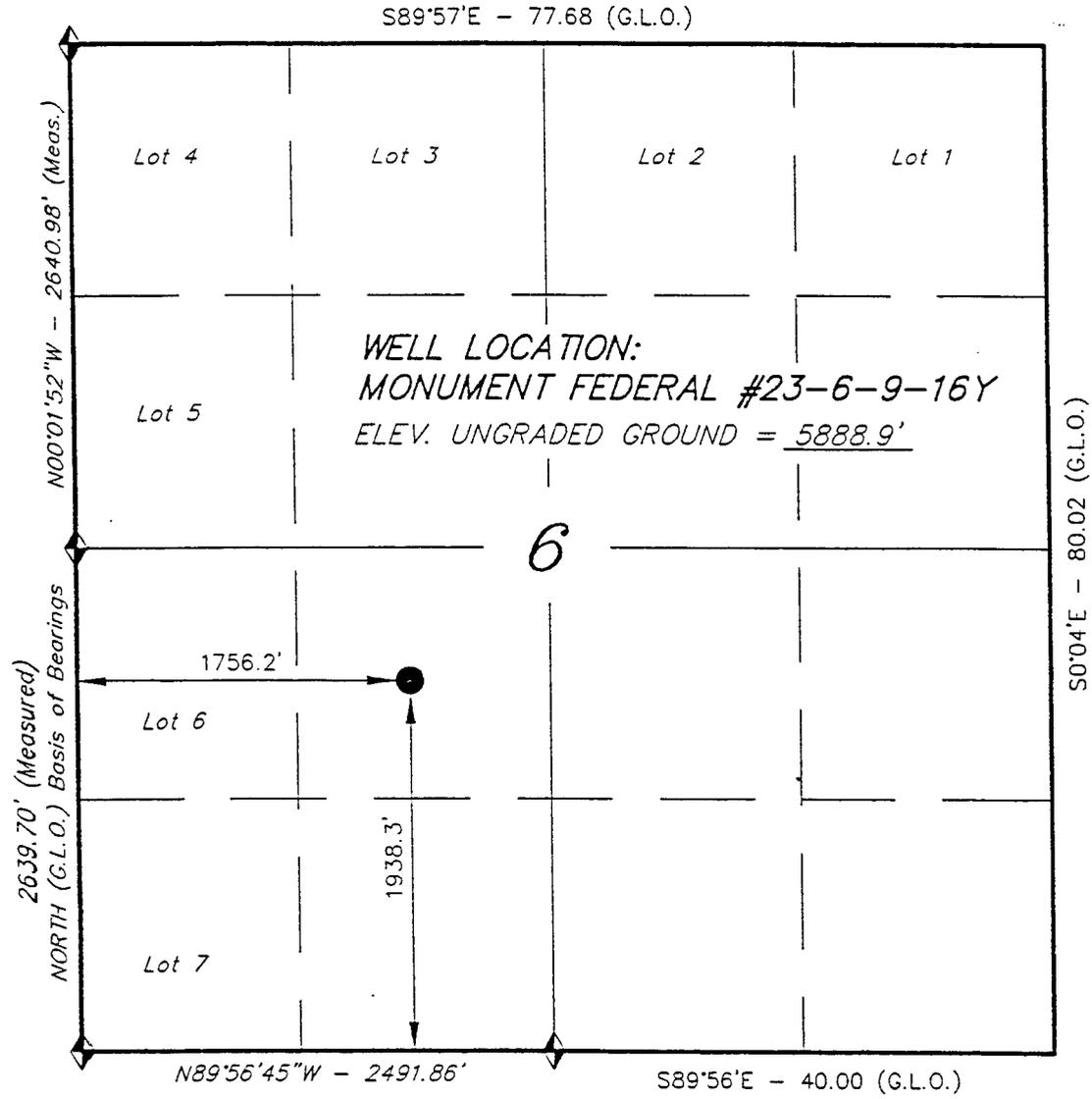


++++ proposed poly gas lines  
 — existing poly gas lines

SCALE: 1" = 2000'

T9S, R16E, S.L.B.&M.

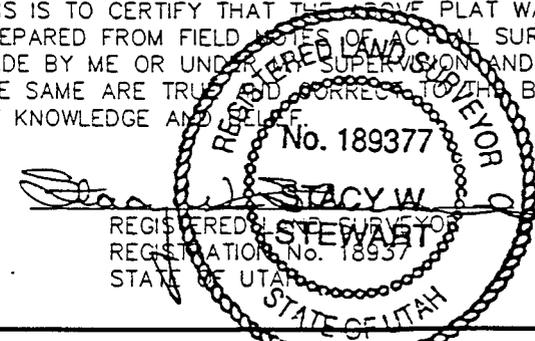
*EQUITABLE RESOURCES ENERGY CO.*



WELL LOCATION, NINE MILE  
 #11-6 - LOCATED AS SHOWN IN  
 THE NE 1/4 SW 1/4 OF SECTION 6,  
 T9S, R16E, S.L.B.&M. DUCHESNE  
 COUNTY, UTAH.



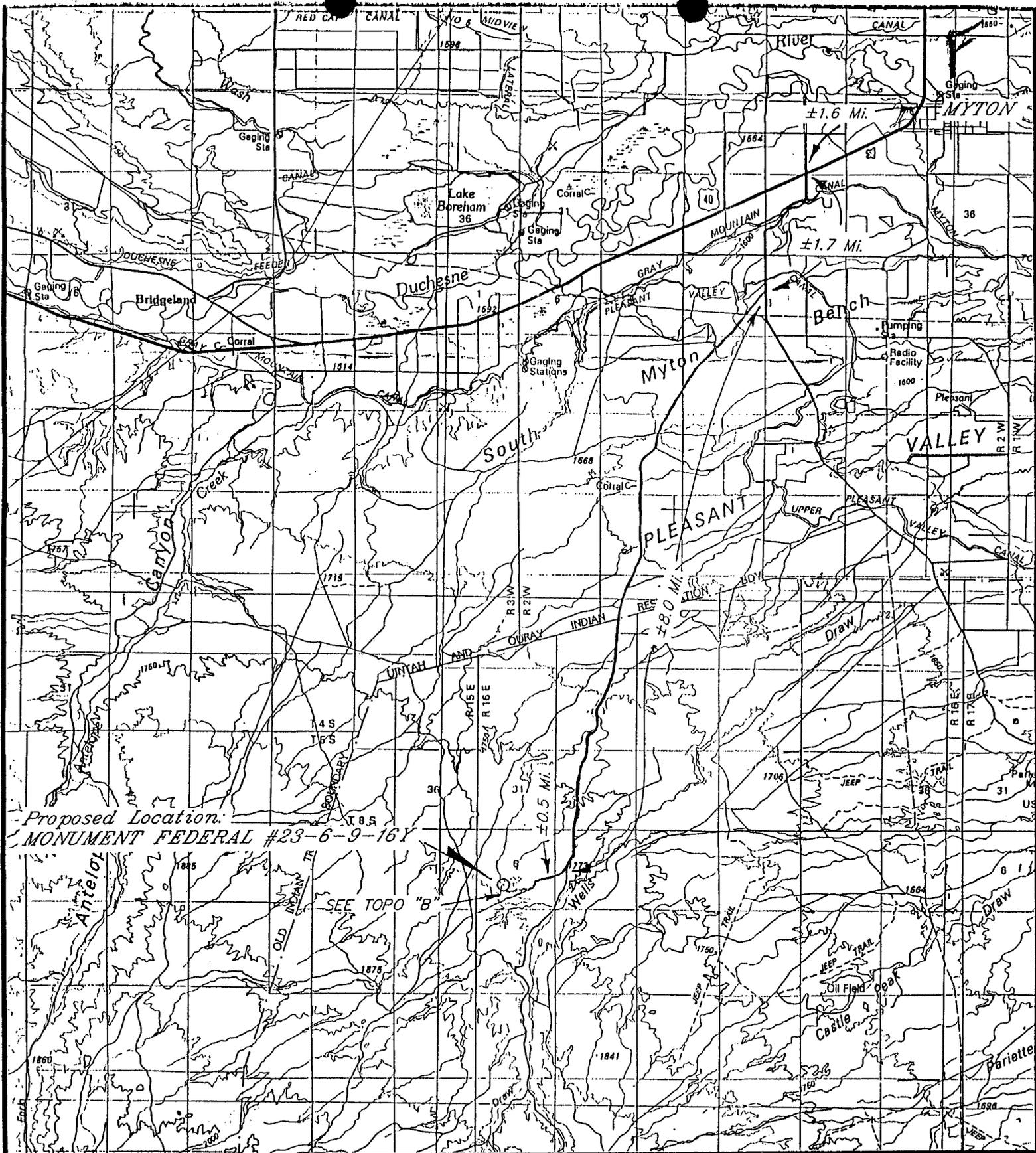
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

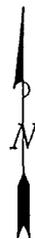
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 1-3-97	WEATHER: COLD
NOTES:	FILE #



**EQUITABLE RESOURCES CO.**

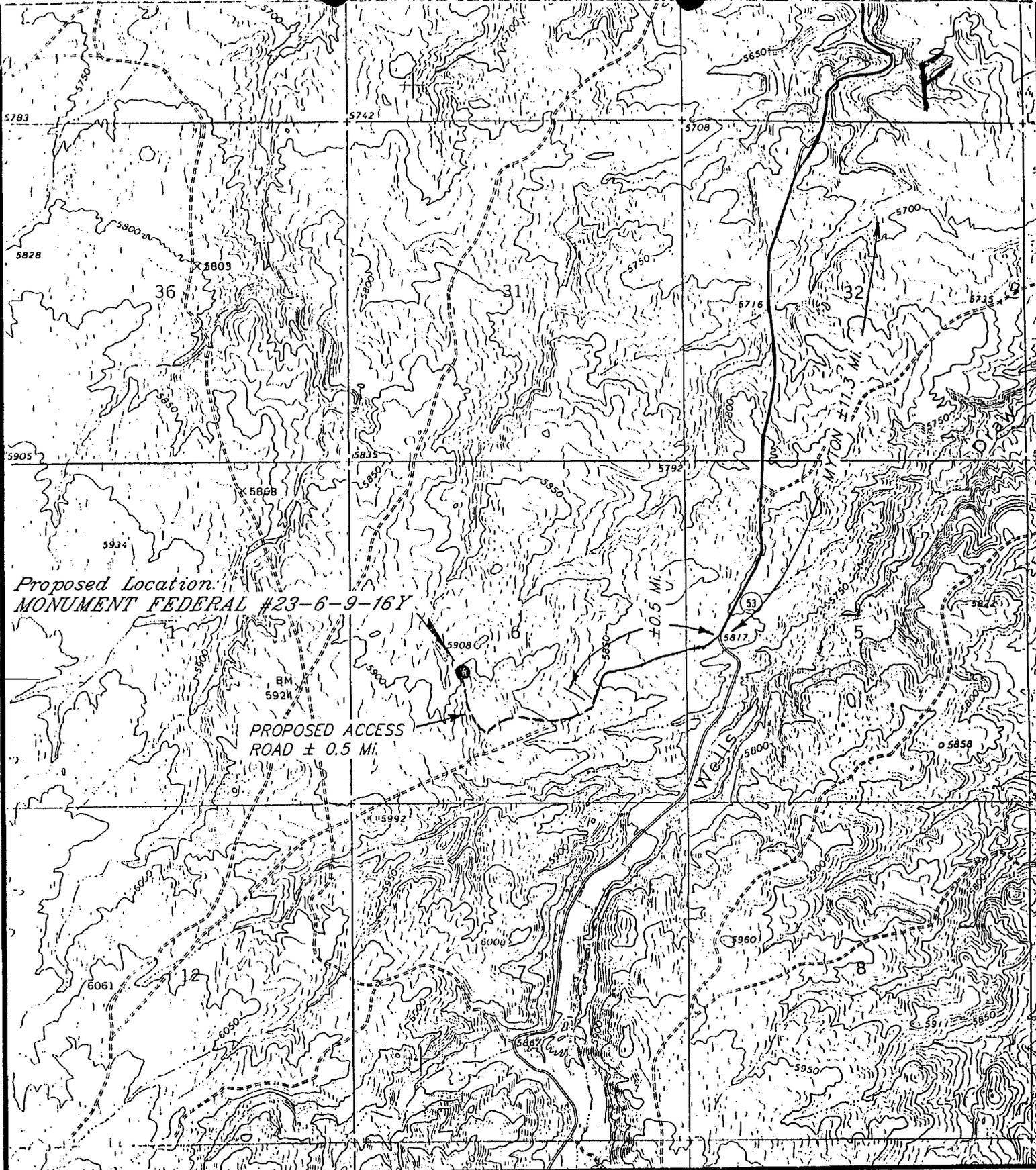
MONUMENT FEDERAL #23-6-9-16Y  
 SEC. 6, T9S, R16E, S.L.B.&M.  
 TOPO "A"



**Tri State**  
 Land Surveying, Inc.

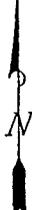
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



***EQUITABLE RESOURCES CO.***

**MONUMENT FEDERAL #23-6-9-16Y  
 SEC. 6, T9S, R16E, S.L.B.&M.  
 TOPO "B"**



**Tri State  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078**

SCALE: 1" = 2000'

EXHIBIT "C"

UTU-73058

UTU-73086

UTU-74826

UTU-74390

U-020255

U-66184

UTU-64379

U-52018

U-68548

ASHLEY

U-03458

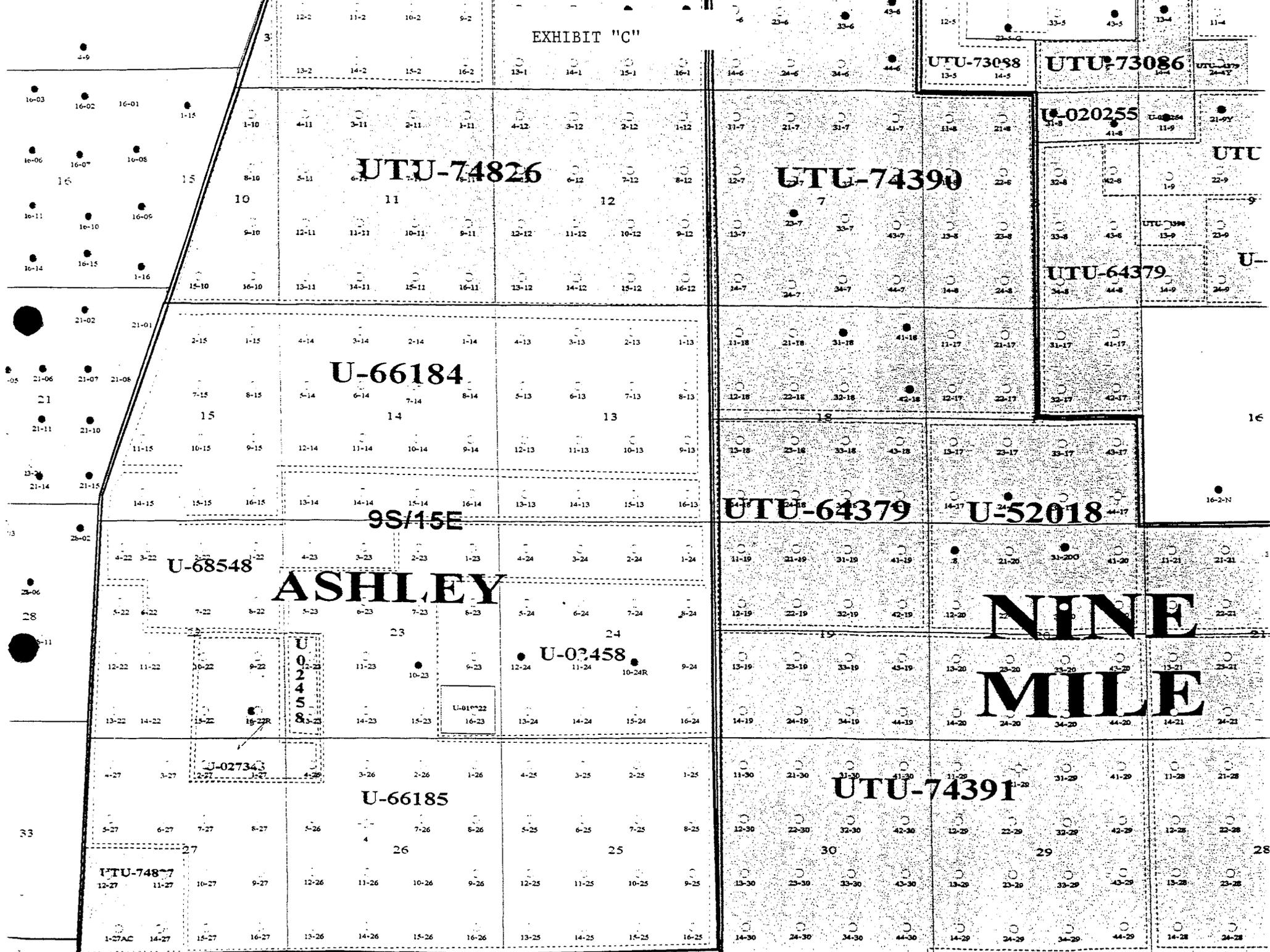
NINE MILE

U-66185

UTU-74391

UTU-74877

SOUTH



T8S  
R15E

T9S  
R16E

Proposed Location:  
MONUMENT FEDERAL #23-6-9-16Y

EQUITABLE RESOURCES CO.

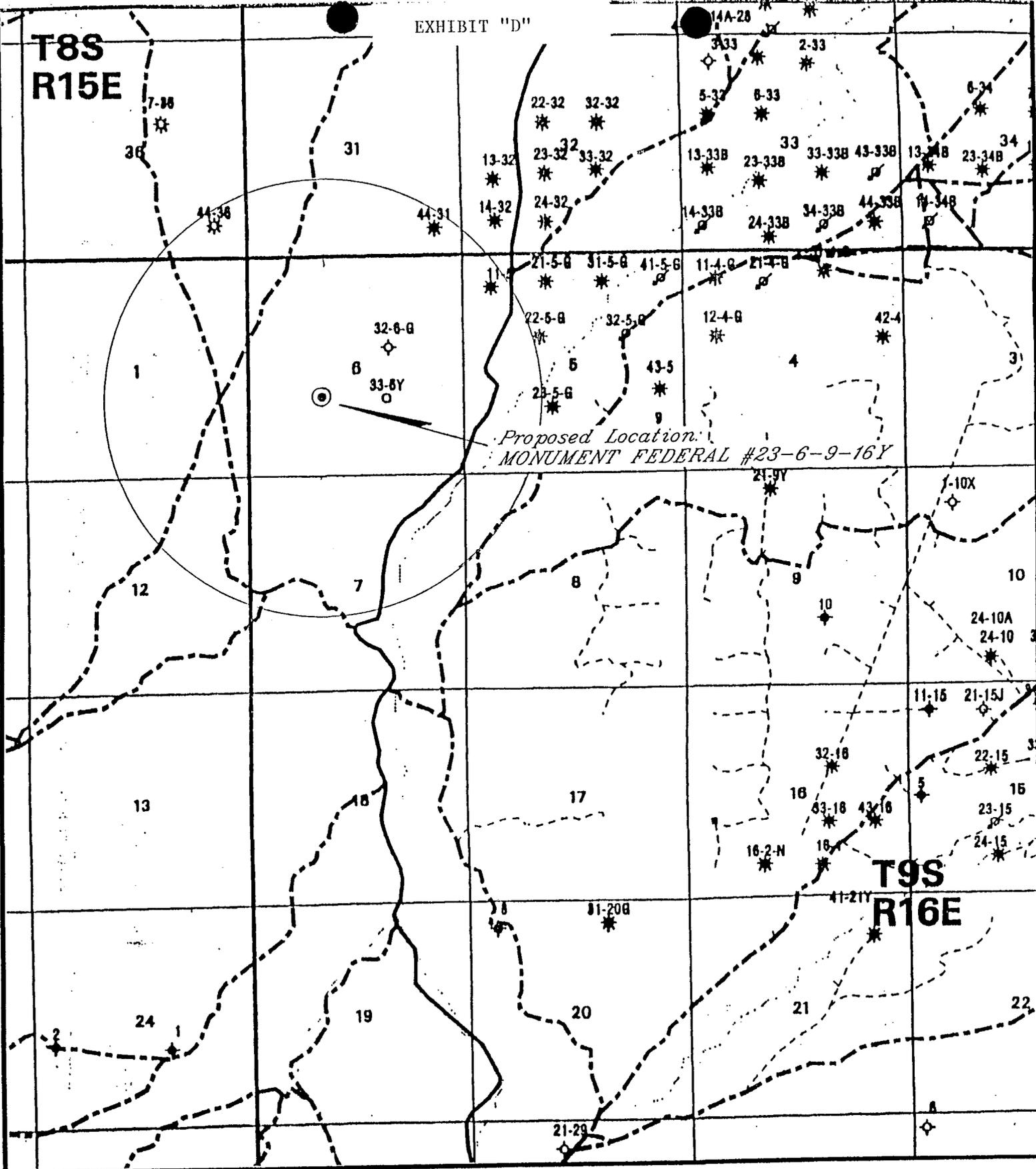
MONUMENT FEDERAL #23-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.  
TOPO "C"



Tri State  
Land Surveying, Inc.

(801) 781-2501

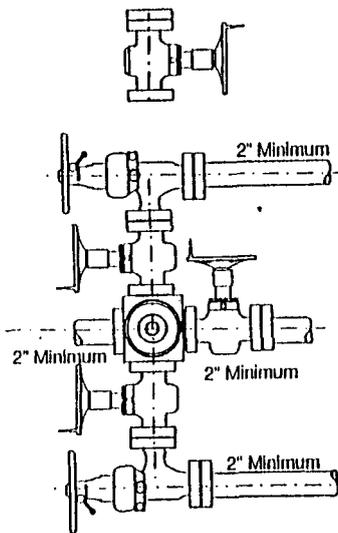
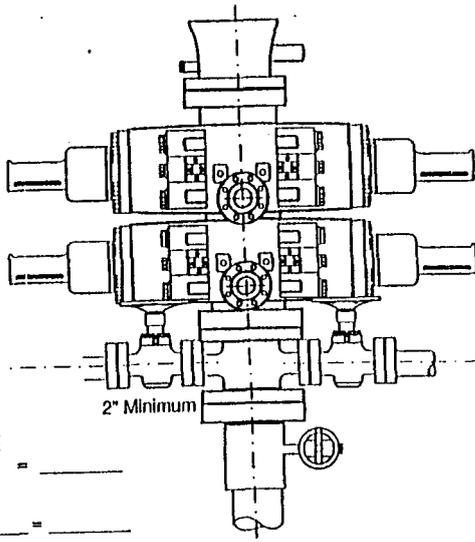
38 WEST 100 NORTH VERNAL, UTAH 84078





2-M SYSTEM

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



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

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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

2. Name of Operator Inland Production Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE/SW 1938' FSL & 1756' FWL

5. Lease Designation and Serial No. UTU-74390

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No. Nine Mile #11-6

9. API Well No. 43-013-31812

10. Field and Pool, or Exploratory Area Monument Butte

11. County or Parish, State Duchesne, UT

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

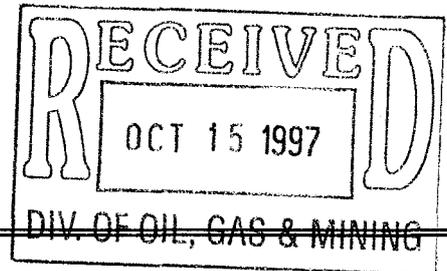
Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing repair, Altering Casing, Other (Amended drilling program), Change of Plans, New Construction, Non-Routine Fracturing,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

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

Inland Production Company requests to change the name of the Monument Federal #23-6-9-16Y (formerly operated by Equitable Resources Energy Company,) to the Nine Mile #11-6. Please refer to the attached copy for the change of operator, effective as of September 30, 1997.

The Application For Permit To Drill the above referenced location was approved on March 5, 1997. Please see the attached amended drilling program for Inland Production Company. Included is a copy of the approved APD cover sheet and COA's, for your convenience.

CONFIDENTIAL



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

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 10/7/97

(This space of Federal or State office use.)

Approved by Title Date Conditions of approval, if any:

RECEIVED  
OCT 10 1997



October 7, 1997

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

RE: Change of Operator  
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

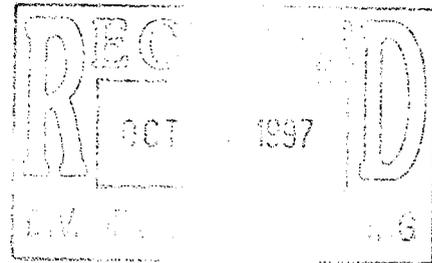
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

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

See Attached

RECEIVED  
OCT 13 1997

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 Operator  
 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.)\*

Effective September 30, 1997, Inland Production Company will take over Operations of the Approved and Pending Applications for Permit to Drill listed on the attached exhibit. The previous Operator was: Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

RECEIVED  
OCT 20 1997

RECEIVED  
OCT 10 1997

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

Signed

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date

9/30/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Revised 9/17/97

09/30/97

EREC APD LIST  
(APPROVED and PENDING)

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ST.	APD STATUS	ZONE	ST = State FED. OR STATE LEASE NO.	API NUMBER	FOOTAGES	BLM OFFICE	UNIT OR WELL FILE NO.
Monument Federal #11-10-9-17Y	Monument Butte	NW NW	10	9S	17E	Duchesne	UT	PND	Green River	U-65210				
Monument Federal #11-17-9-16Y	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	APRVD	Green River	U-65210	4301331534	409' FNL, 475' FWL	Vernal	
Monument Federal #12-7-9-16Y	Monument Butte	SW NW	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31779	575' FNL, 640' FWL	Vernal	
Monument Federal #12-11-9-17Y	Monument Butte	SW NW	11	9S	17E	Duchesne	UT	APRVD	Green River	UT-74390	43-013-31777	1980' FNL, 660' FWL	Vernal	
Monument Federal #14-22-8-17	Monument Butte	SW SW	22	8S	17E	Duchesne	UT	APRVD	Green River	U-65210	43-013-31679	1996' FNL, 673' FWL	Vernal	
Monument Federal #14-25-8-17	Monument Butte	SW SW	25	8S	17E	Duchesne	UT	APRVD	Green River	U-67845	43-013-31643	532' FSL, 495' FWL	Vernal	
Monument Federal #21-6-9-16Y	Monument Butte	NE NW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74870	43-047-32765	660' FSL, 660' FWL	Vernal	
Monument Federal #21-18-9-16Y	Monument Butte	NE NW	18	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31816	663' FNL, 1728' FWL	Vernal	Humpback
Monument Federal #21-22-9-16Y	Monument Butte	NE NW	22	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	43-013-31816	663' FNL, 1728' FWL	Vernal	
Monument Federal #22-6-9-16Y	Monument Butte	SE NW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-64379	4301331817	859' FNL, 1660' FWL	Vernal	
Monument Federal #22-7-9-16Y	Monument Butte	SE NW	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31727	911' FNL, 2030' FWL	Vernal	
Monument Federal #23-6-9-16Y	Monument Butte	NE SW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31719	2011' FNL, 1869' FWL	Vernal	
Monument Federal #23-8-9-16Y	Monument Butte	NE SW	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31776	2036' FNL, 2070' FWL	Vernal	
Monument Federal #24-6-9-16Y	Monument Butte	SE SW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74389	43-013-31812	1938' FSL, 1756' FWL	Vernal	
Monument Federal #24-7-9-16Y	Monument Butte	SE SW	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	43-013-31810	1980' FSL, 1826' FWL	Vernal	
Monument Federal #24-31-8-16Y	Monument Butte	SE SW	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	4301331811	717' FSL, 2118' FWL	Vernal	
Monument Federal #31-10-9-17Y	Monument Butte	NW NE	10	9S	17E	Duchesne	UT	APRVD	Green River	U-49950	43-013-31775	517' FSL, 1952' FWL	Vernal	
Monument Federal #32-5-9-17	Monument Butte	SW NE	5	9S	17E	Duchesne	UT	PND	Green River	U-65210	43-013-31780	682' FSL, 1832' FWL	Vernal	
Monument Federal #32-7-9-16Y	Monument Butte	SW NE	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74808	4301331591	660' FNL, 1980' FEL	Vernal	
Monument Federal #32-18-9-16Y	Monument Butte	SW NE	18	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	4301331818	1833' FNL, 1913' FEL	Vernal	
Monument Federal #32-20-9-18Y	8 Mile Flat	SW NE	20	9S	18E	Uintah	UT	PND	Green River	UTU-74390	43-013-31778	2048' FNL, 1769' FEL	Vernal	
Monument Federal #33-5-9-17	Monument Butte	NW SE	5	9S	17E	Duchesne	UT	APRVD	Green River	U-64917	4301331805	1996' FNL, 1910' FEL	Vernal	
Monument Federal #33-7-9-16Y	Monument Butte	NW SE	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74808	43-047-32725	1980' FNL, 1980' FEL	Vernal	
Monument Federal #33-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	4301331819	1754' FSL, 2031' FEL	Vernal	
Monument Federal #34-6-9-16Y	Monument Butte	SW SE	34	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74389	43-013-31773	2131' FSL, 1910' FEL	Vernal	
Monument Federal #34-7-9-16Y	Monument Butte	SW SE	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	43-013-31772	1957' FSL, 1810' FEL	Vernal	
Monument Federal #34-31-8-18Y	Monument Butte	SWSE	34	8S	18E	Uintah	UT	PND	Green River	UTU-74390	4301331774	660' FSL, 1980' FEL	Vernal	
Monument Federal #41-22-8-17	Monument Butte	NE NE	22	8S	17E	Duchesne	UT	PND	Green River	UTU-74404	4301331803	701' FSL, 2075' FEL	Vernal	
Monument Federal #41-25-8-17	Monument Butte	NE NE	25	8S	17E	Uintah	UT	APRVD	Green River	UTU-76240	4304732845	636' FSL, 2160' FEL	Vernal	
Monument Federal #41-35-9-18Y	Monument Butte	NE NE	35	9S	18E	Uintah	UT	APRVD	Green River	U-67845	43-013-31827	703' FNL, 759' FEL	Vernal (Private sfc.)	
Monument Federal #42-22-8-17	Monument Butte	SE NE	22	8S	17E	Duchesne	UT	APRVD	Green River	U-68618	43-047-32766	800' FNL, 860' FEL	Vernal	
Monument Federal #42-25-8-17	Monument Butte	NE NE	25	8S	17E	Uintah	UT	APRVD	Green River	U-68618	43-047-32727	500' FNL, 660' FEL	Vernal	Humpback
Monument Federal #43-22-8-17	Monument Butte	NE SE	22	8S	17E	Uintah	UT	APRVD	Green River	UTU-76240	43-013-31826	1930' FNL, 803' FEL	Vernal (Private sfc.)	
Monument Federal #43-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River	U-67845	43-047-32767	1930' FNL, 803' FEL	Vernal	
Monument Federal #43-31-8-18Y	Monument Butte	NE SE	31	8S	18E	Uintah	UT	APRVD	Green River	UTU-67845	43-013-31813	2174' FSL, 557' FEL	Vernal	
Monument Federal #43-25-8-17	Monument Butte	NE SE	25	8S	17E	Duchesne	UT	APRVD	Green River	UTU-74389	43-013-31815	1980' FSL, 660' FEL	Vernal	
Monument Federal #44-7-9-16Y	Monument Butte	SE SE	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74404	4304732844	1764' FSL, 623' FEL	Vernal	
Monument Federal #44-31-8-18Y	Monument Butte	SE SE	31	8S	18E	Uintah	UT	PND	Green River	UTU-74390	43-047-32768	1973' FSL, 719' FEL	Vernal	
Monument State #41-2-9-17CD	Monument Butte	NE NE	2	9S	17E	Uintah	UT	PND	Green River	U-65969	4301331804	660' FSL, 660' FEL	Vernal	Beluga
Monument State #42-2-9-17CD	Monument Butte	SE NE	2	9S	17E	Uintah	UT	APRVD	Green River	State #ML-45555	4304732728	915' FSL, 759' FEL	Vernal	
									Green River	State #ML-45555	42-047-32843	662' FNL, 660' FEL		Castle Draw
												1985' FNL, 660' FEL		Castle Draw

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

**NINE MILE 11-6**

9. API Well No.

**43-013-31812**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1938 FSL 1756 FWL      NE/SW Section 6, T09S R16E**

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 Surface Spud

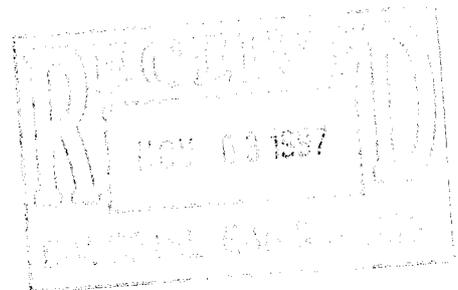
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

MIRU Leon Ross. Drl 12-1/4" sfc hole to 305'. Spud well @ 9:00 am, 10/23/97. Circ hole clean. LD DP & DC's. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg (293'). Csg landed @ 294' GL. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/120 sx Premium Plus w/2% gel, 2% Calseal, 1/2#/sk Flocele (14.8 ppg 1.37 cf/sk yield). Good returns during entire job w/4 bbl cmt to sfc. Fluid level held @ sfc. RU Halliburton. Drl mouse & rat hole for Four Corners #6. RDMO.

**CONFIDENTIAL**



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

Signed Shannon Smith Title Engineering Secretary Date 10/30/97

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: UTAH DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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-74390**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

**NINE MILE 11-6**

9. API Well No.

**43-013-31812**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

*SUBMIT IN TRIPLICATE*

1. Type of Well

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

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1938 FSL 1756 FWL NE/SW Section 6, T09S R16E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

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

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

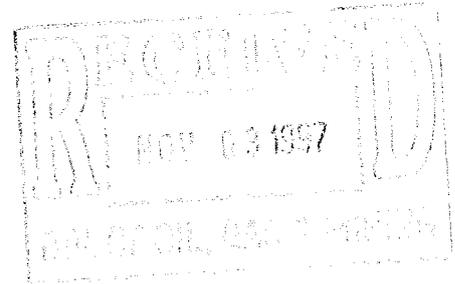
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 10/23/97 - 10/29/97**

MIRU Four Corners #6. NU. Test lines, valves, rams & manifold to 2000 psi. Test annular preventer & csg to 1500 psi. PU BHA & TIH. Srvy. Drl plug, cmt & GS. Drl 317' - 5129'.

**CONFIDENTIAL**



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

Signed Shannen Smith Title Engineering Secretary Date 10/30/97

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: UTAH DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

**NINE MILE 11-6**

9. API Well No.

**43-013-31812**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1938 FSL 1756 FWL      NE/SW Section 6, T09S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>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 10/30/97 - 11/6/97**

**CONFIDENTIAL**

Drilled 7-7/8" hole w/Four Corners, Rig #6 from 5129' - 6050'.

Run 5-1/2" GS, 1 jt 5-1/2" (42'), 5-1/2" FC, 141 jt 5-1/2", 15.5#, J-55, LT & C csg (6024'). Csg set @ 6036'. RU Halliburton. C&C. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/360 sx Hibond 65 Modified (11.0 ppg 3.0 cf/sk yield) & tailed w/325 sx Thixotropic & 10% Calseal (14.2 ppg 1.59 cf/sk yield). POB w/2400 psi @ 2:30 am, 10/31/97. ND BOP's. Set slips w/81,000#, dump tanks. Rig released @ 6:30 am, 10/31/97. RDMOL.

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

Signed Shannon Smith Title Engineering Secretary Date 11/6/97

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3  
UT08438

November 10, 1997

Inland Production Company  
475 17th Street, Suite 1500  
Denver, CO 80202

Re: *43-013-31812 (Nine mile 11-6)*  
Well No. Mon. Fed. 23-6-9-16Y  
NESW, Sec. 6, T9S, R16E  
Lease U-74390  
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Division of Oil, Gas & Mining  
Equitable Resources Energy Company  
ABO Petro Corp  
Myco Industries Inc  
Yates Drilling Co.  
Yates Petro Corp

## FAX COVER SHEET



475 17th Street, Suite 1500  
Denver, CO 80202

Phone: 303-292-0900, Fax: 303-292-3270

DATE: 11/21/97

TO: Lisha Cordova

COMPANY: State of Utah - DOGM

FAX NUMBER: (801) 359-3940

FROM: Laurie Horob

NUMBER OF PAGES: 3 INCLUDING COVER SHEET

---

Re: Entity Action Form - Form 6

If you do not receive all pages or there is a problem with this transmission,  
please call Laurie Horob @ (303) 376-8107.

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

OPERATOR ACCT. NO. 45160

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	12265	43-013-31863	Tar Sands Federal 1-33	NE/NE	33	85	17E	Duchesne	10/18/97	10/18/97
WELL 1 COMMENTS: Spud well w/ union rig #7 @ 2:30 pm, 10/18/97. Entities added 11-24-97.											
A	99999	12266	43-013-31812	Nine Mile 11-6	NE/SE	6	95	16E	Duchesne	10/23/97	10/23/97
WELL 2 COMMENTS: Spud well w/ Leon Ross @ 9:00 am, 10/23/97.											
A	99999	12267	43-013-31944	Allen Trust #2-24	NW/NE	24	45	2W	Duchesne	10/26/97	10/26/97
WELL 3 COMMENTS: Spud well w/ union rig #7 @ 9:30 pm, 10/26/97.											
B	99999	10628	43-013-31941	Travis Unit 9-28	NE/SE	28	85	16E	Duchesne	10/29/97	10/29/97
WELL 4 COMMENTS: Spud well w/ Leon Ross @ 5:30 pm, 10/29/97. (Travis Unit)											
A	99999	12268	43-013-31889	Boundary Federal 6-21	SE/W	21	85	17E	Duchesne	11/4/97	11/4/97
WELL 5 COMMENTS: Spud well w/ union rig #7 @ 3:00 pm, 11/4/97. (Boundary Unit)											

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

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

(3/89)

James H. Hester  
Signature  
Engineering Technician 11/20/97  
Title Date  
Phone No. 303, 376-8107

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

OPERATOR ACCT. NO. H5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	10835	43-013-31813	Monument Butte Fed 16-34	SE/SE	34	85	16E	Duchesne	10/1/97	10/1/97
WELL 1 COMMENTS: Spud well w/ Leon Ross @ 11:00 am, 10/1/97. Entities added 11-24-97. Lec (Mon. Butte Grv. D Unit)											
A	99999	12261	43-013-31924	Tar Sands Federal 12-29	NW/SE	29	85	17E	Duchesne	10/3/97	10/3/97
WELL 2 COMMENTS: Spud well w/ Union rig #7 @ 7:30 pm, 10/3/97.											
A	99999	12262	43-013-31786	Monument Butte Fed 15-27	SW/SE	27	85	16E	Duchesne	10/4/97	10/6/97
WELL 3 COMMENTS: Spud well w/ Leon Ross @ 10:30 am, 10/6/97.											
A	99999	12263	43-013-31927	Ashley Federal 6-1	SE/NE	1	95	15E	Duchesne	10/10/97	10/10/97
WELL 4 COMMENTS: Spud well w/ Leon Ross @ 4:00 pm, 10/10/97. (Ashley Unit)											
A	99999	12264	43-013-31816	Nine Mile 3-6	NE/NE	6	95	16E	Duchesne	10/14/97	10/14/97
WELL 5 COMMENTS: Spud well w/ Leon Ross @ 2:30 pm, 10/16/97.											

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

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

(3/89)

Gaming J. Harbo  
 Signature  
 Engineering Technician 11/20/97  
 Title Date  
 Phone No. 303, 376-8107

NOV 21 11:17 AM INLAND RESOURCES

P.2

**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-DEC ✓	6-DEC ✓
2-GLH	7-KAS Cont.
3-DESOL ✓	8-ST ✓
4-VLD ✓	9-FILE
5-JRB ✓	

- Change of Operator (well sold)
- Designation of Operator
- Designation of Agent
- Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&amp;G SVS</u>
	<u>ROOSEVELT UT 84066</u>		<u>PO BOX 577</u>
			<u>LAUREL MT 59044</u>
	Phone: <u>(801)722-5103</u>		Phone: <u>(406)628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

WELL(S) attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31818</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Reg. 11-24-97) (Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(11-24-97)*
6. Cardex file has been updated for each well listed above. *(11-24-97)*
7. Well file labels have been updated for each well listed above. *(11-24-97)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(11-24-97)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Sec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Sec 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 12/12/97 19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- B 1. All attachments to this form have been microfilmed. Today's date: 10-29-98.

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

971124 Blm/Veinel Apr. 11-10-97.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM: Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

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

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

8. Well Name and No.  
**NINE MILE 11-6**

9. API Well No.  
**43-013-31812**

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

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1938 FSL 1756 FWL      NE/SW Section 6, T09S R16E**

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

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

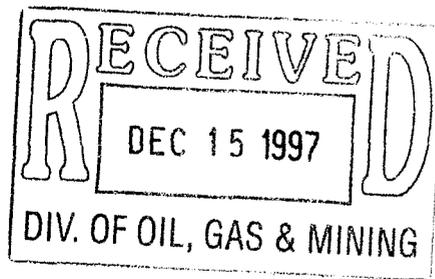
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 12/4/97 - 12/11/97**

**CONFIDENTIAL**

Perf CP sds @ 5754-60'.  
Perf LDC sds @ 5533-58'.



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

Signed Shaunen Smith Title Engineering Secretary Date 12/11/97

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-74390**

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.

**NINE MILE 11-6**

2. Name of Operator

**INLAND PRODUCTION COMPANY**

**CONFIDENTIAL**

9. API Well No.

**43-013-31812**

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)

**1938 FSL 1756 FWL                      NE/SW Section 6, T09S R16E**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

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

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status

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

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

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

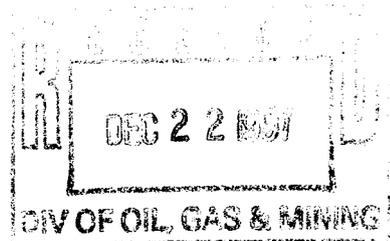
**WEEKLY STATUS REPORT FOR THE PERIOD OF 12/11/97 - 12/17/97**

Perf A sds @ 5277-79', 5286-88', 5292-96', 5307-14', 5408-12' & 5416-24'.

Perf B sds @ 5119-22'.

Swab well. Trip production tbg.

**CONFIDENTIAL**



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

Signed

Shannon Smith

Title

Engineering Secretary

Date

12/18/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

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

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

8. Well Name and No.  
**NINE MILE 11-6**

9. API Well No.  
**43-013-31812**

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

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1938 FSL 1756 FWL      NE/SW Section 6, T09S R16E**

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

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

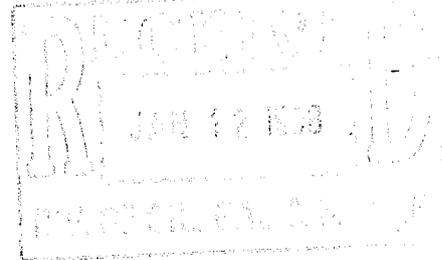
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**WEEKLY STATUS REPORT FOR THE PERIOD OF 12/18/97 - 12/24/97**

Place well on production @ 5:30 PM, 12/17/97.

**CONFIDENTIAL**



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

Signed Shannon Smith Title Engineering Secretary Date 1/8/98

(This space for Federal or State office use)

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

Conditions of approval, if any:

**CC: UTAH DOGM**

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

Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74390

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME

N/A

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

NINE MILE 11-6

2. NAME OF OPERATOR

Inland Production Company

9. API WELL NO.

43-013-31812

3. ADDRESS AND TELEPHONE NO.

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

10. FIELD AND POOL OR WILDCAT

UNDESIGNATED

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

At Surface

NE/SW

1938 FSL 1756 FWL

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

Section 6, T09S R16E

At top prod. Interval reported be

At total depth

14. PERMIT NO.

43-013-31812

DATE ISSUED

3-5-97

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPURRED

10-23-97

16. DATE T.D. REACHED

10-30-97

17. DATE COMPL. (Ready to prod.)

12-18-97

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

5889' GL; 5901' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6050'

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

5992'

22. IF MULTIPLE COMPL., HOW MANY\*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

**CONFIDENTIAL**

Green River 5119'-5760'

**RECEIVED**  
JAN 23 1998

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

1-23-98

CBL, DIGL/SP/GR/CAL, SDL/DSN/GR

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	294'	12 1/4	120 sx Prem Plus	
5 1/2	15.5#	6036'	7 7/8	360 sx Hibond & 325 sx Thixo	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5850'	

31. PERFORATION RECORD (Interval, size and number)

B Sand - 5119'-22' w/4 jspf  
 A Sand - 5277'-79'; 5286'-88'; 5 5408'-12';541 w/4 jspf  
 LDC Sand - 5533'-58' w/4 jspf  
 CP Sand - 5754'-60' w/4 jspf

**CONFIDENTIAL**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5119'-22'	88,300# 20/40 sd in 471 Delta frac
5277'-5424'	127,000# 20/40 sd in 618 Delta frac
5533'-58'	104,300# 20/40 sd in 543 Delta frac
5754'-60'	95,300# 20/40 sd in 513 Delta f

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
12-18-97	Pumping - 2-1/2" x 1-1/2" x 16' RHAC pump	producing					
DATE OF TEST	HOURS TESTED	CHOKESIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 Day Avg	12/1/97	N/A	---	57	89	9	1.561
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		---				<b>CONFIDENTIAL</b>	

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

Sold & Used for Fuel

PERIOD EXPIRED

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Items in #26

ON 8-24-98

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

SIGNED

*Debbie Knight*

TITLE

Permitting Specialist

DATE

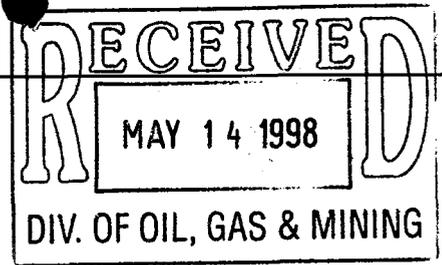
1/21/98

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				NAME	TRUE VERT. DEPTH
Garden Gulch Mkr	3824'		<p style="text-align: center;">CONFIDENTIAL</p>		
Garden Gulch 2	4162'				
Point 3	4418'				
X Marker	4689'				
Y Marker	4726'				
Douglas Creek	4839'				
Bi-Carb	5078'				
B-Lime	5192'				
Castle Peak	5722'				
Basal Carbonate	NDE				
Total Depth	6050'				

38. GEOLOGIC MARKERS



May 4, 1998

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

RE: Permit Application for Water Injection Well  
Nine Mile #11-6, West Point Unit  
Monument Butte Field, Lease #UTU-74390  
Section 6-Township 9S-Range 16E  
Duchesne County, Utah

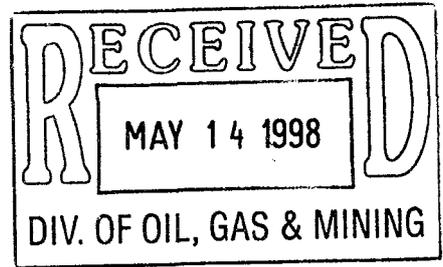
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Nine Mile #11-6 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, West Point Unit.

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

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**

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

**NINE MILE #11-6**

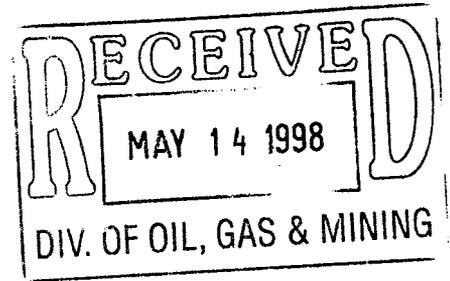
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**WEST POINT UNIT**

**LEASE #UTU-74390**

**MAY 4, 1998**

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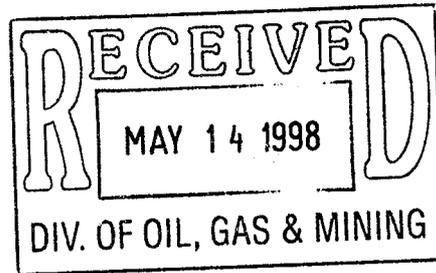


LETTER OF INTENT  
COVER PAGE  
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ATTACHMENT G FRACTURE GRADIENT CALCULATIONS  
ATTACHMENT G-1 FRACTURE REPORT DATED 12-7-97  
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ABANDONMENT  
ATTACHMENT H-1 WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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



Well Name and number: Nine Mile #11-6  
Field or Unit name: Monument Butte (Green River) West Point Unit Lease No. UTU-74390  
Well Location: QQ NESW section 6 township 9S range 16E county Duchesne

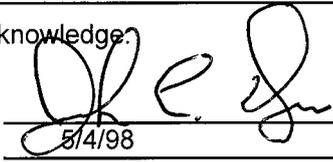
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for:   Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
  Disposal? . . . . . Yes [ ] No [ X ]  
  Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ X ] No [ ]  
Date of test: 12/5/97  
API number: 43-013-31812

Proposed injection interval: from 5119 to 5760  
Proposed maximum injection: rate 500 bpd pressure 2189 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

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

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

Name: John E. Dyer Signature   
Title Chief Operating Officer Date 5/4/98  
Phone No. (303) 292-0900

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

Comments:

# Nine Mile #11-6

Spud Date: 10/23/97  
 Put on Production: 12/17/97  
 GL: 5889' KB: 5901'

Initial Production: 57 BOPD,  
 89 MCFPD, 9 BWPD

## SURFACE CASING

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

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6024')  
 DEPTH LANDED: 6036'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sks Hibond mixed & 325 sks thixotropic  
 CEMENT TOP AT:

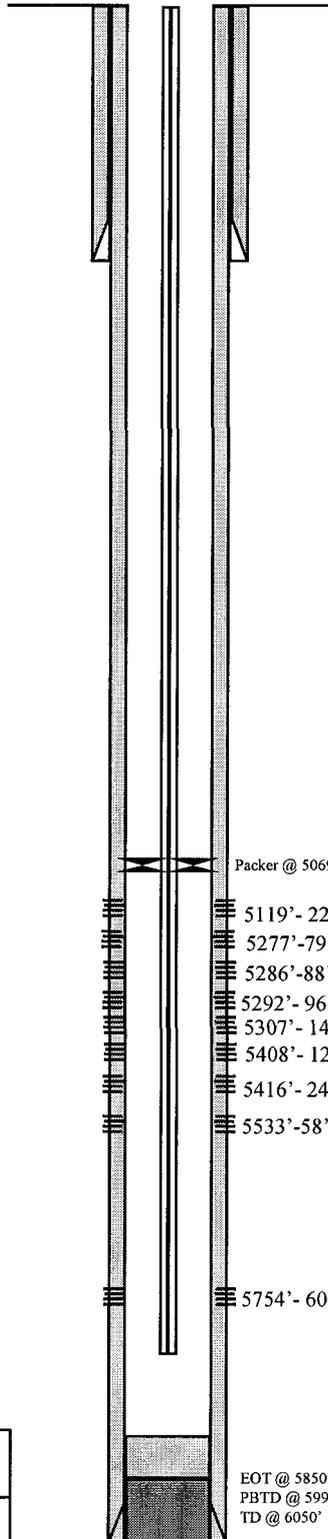
## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 183 jts  
 TUBING ANCHOR: 5716'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5781'

## SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: DIGL/SP/GR/CAL (6048'-306')  
 DSN/SDL/GR (6010'-306')

## Proposed Injection Wellbore Diagram



## FRAC JOB

**12/7/97 5754'-5760'** **Frac CP sand as follows:**  
 95,300# of 20/40 sd in 513 bbls  
 Delta Frac. Treated @ avg rate 26.2 bpm,  
 avg press 2250 psi. Breakdown @ 3652  
 psi. ISIP-2393 psi, 5-min 2117 psi.  
 Flowback for 3-1/2 hrs & died.

**12/10/97 5533'-5558'** **Frac LDC sand as follows:** 104,300#  
 of 20/40 sd in 543 bbls Boragel.  
 Breakdown @ 2800 psi. Treated @ avg  
 rate of 27.9 BPM, avg press 2650 psi.  
 ISIP-3293 psi, 5-min 2374 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

**12/12/97 5277'-5424'** **Frac A sand as follows:**  
 127,000# 20/40 sand in 618 bbls Delta  
 Frac. Breakdown @ 2252 psi. Treated  
 w/avg press of 1700 psi w/avg rate of  
 35 BPM. ISIP - 2235 psi, 5 min 1936  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.

**12/14/97 5119'-5122'** **Frac B sand as follows:**  
 88,300# 20/40 sand in 471 bbls of Delta  
 Frac. Breakdown @ 3202 psi. Treated  
 @ avg press of 2550 psi w/avg rate of  
 25.4 BPM. ISIP-2772 psi, 5 min 1930  
 psi. Flowback on 12/64" ck for 2-1/2 hrs  
 & died.

## PERFORATION RECORD

Date	Interval	Completion	Holes
12/6/97	5754'-5760'	4 JSPF	24 holes
12/9/97	5533'-5558'	4 JSPF	100 holes
12/11/97	5277'-5279'	4 JSPF	8 holes
12/11/97	5286'-5288'	4 JSPF	8 holes
12/11/97	5292'-5296'	4 JSPF	16 holes
12/11/97	5307'-5314'	4 JSPF	28 holes
12/11/97	5408'-5412'	4 JSPF	16 holes
12/11/97	5416'-5424'	4 JSPF	32 holes
12/13/97	5119'-5122'	4 JSPF	12 holes



**Inland Resources Inc.**

**Nine Mile #11-6**

1938 FSL 1756 FWL

NESW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31812; Lease #UTU-74390

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

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

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

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

See Attachment A

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

Approval is requested to convert the Nine Mile #11-6 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, West Point Unit.

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

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

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

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Nine Mile #11-6 well, the proposed injection zone is from 5119'-5760'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 5119'.

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

The referenced log for the Nine Mile #11-6 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-74390), in the Monument Butte (Green River) Field, West Point Unit, and this request is for administrative approval.

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

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

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 294' GL, and the 5-1/2" casing run from surface to 6036' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

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

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2189 psig.

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

The fracture gradient for the Nine Mile #11-6, for proposed zones (5119'-5760') calculates at .85 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2189 psig. See Attachment G through G-4.

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

In the Nine Mile #11-6, the injection zone (5119'-5760') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-6.

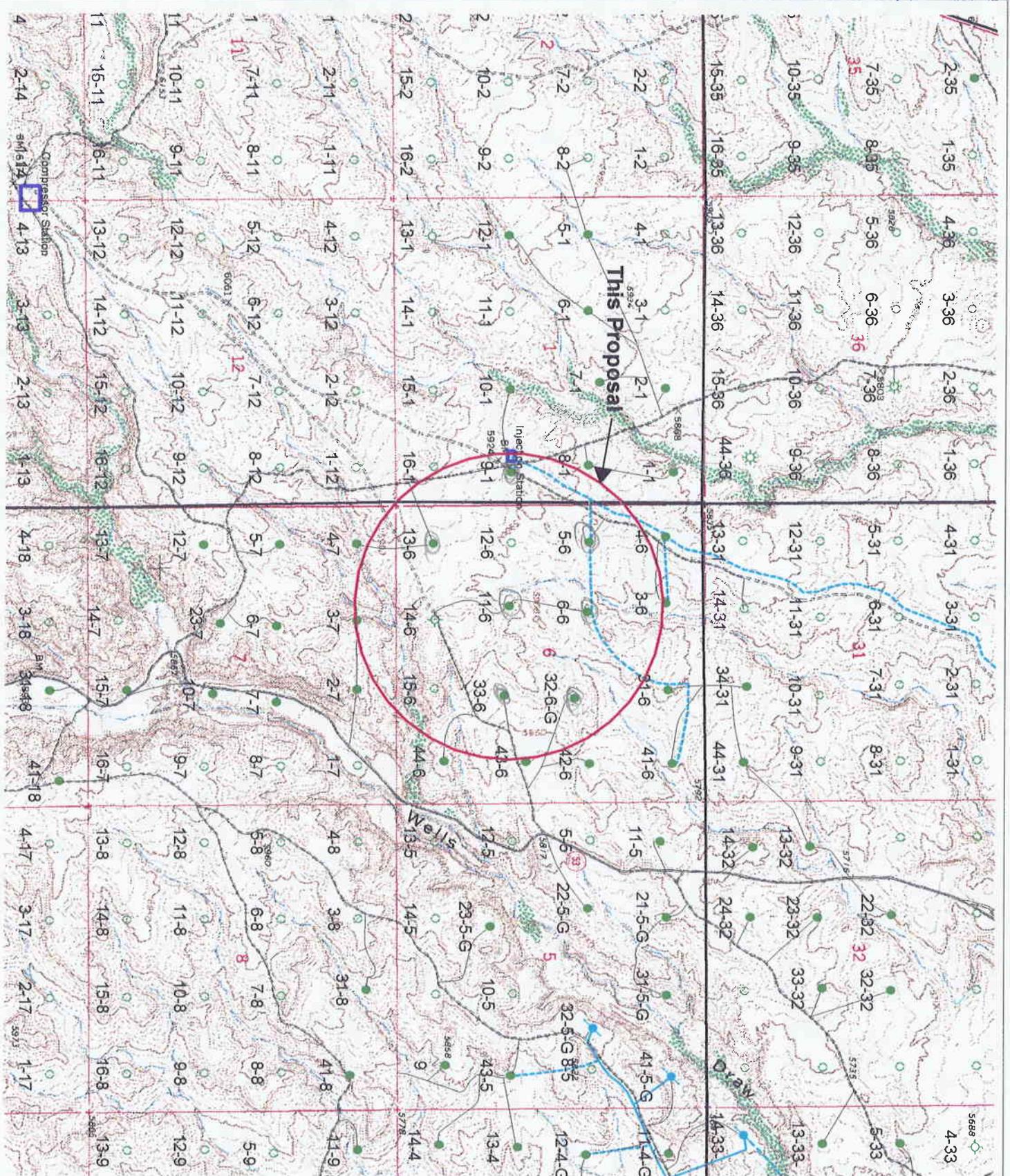
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



North Arrow

Exhibit "A"

- Legend
- INJ
  - OIL
  - GAS
  - O&G
  - ◇ DRY
  - SHUTIN
  - LOC
  - Proposed Water 6'
  - Proposed Water 5'
  - Proposed Water 4'
  - Proposed Water 2-3'
  - Proposed Water

**Woodward Clyde**  
 11717A BLANKIN  
 Division of Permitting, Compliance, and  
 Enforcement

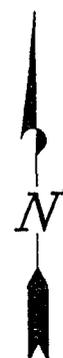
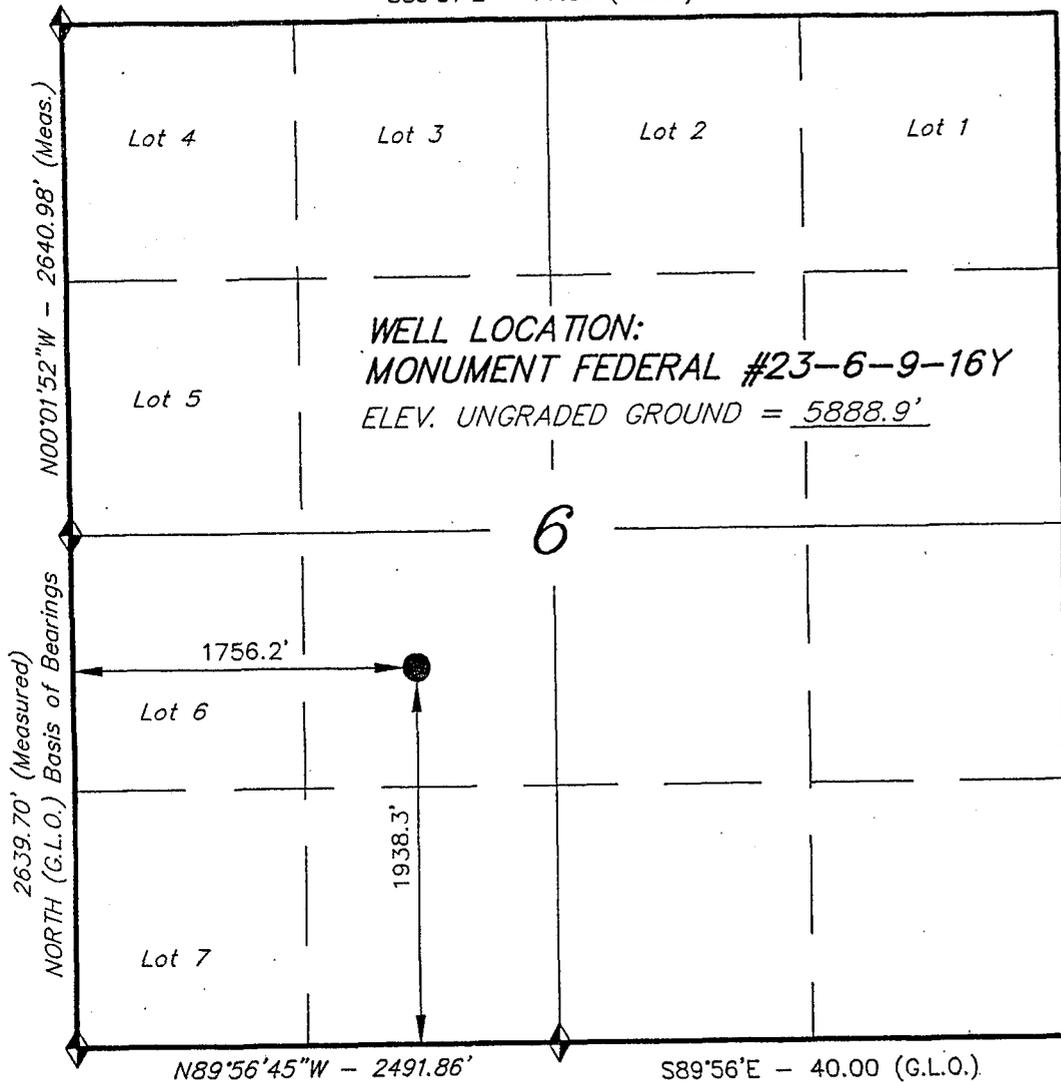
0.5 0 0.5 1 Miles

T9S, R16E, S.L.B.&M.

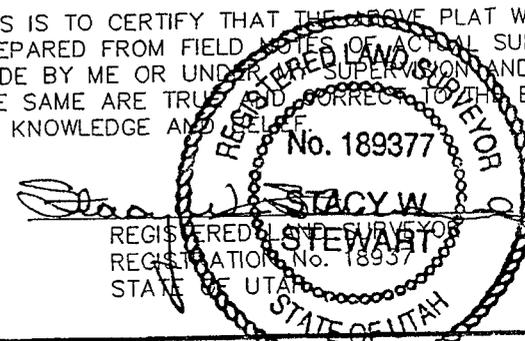
**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #23-6-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 6, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

S89°57'E - 77.68 (G.L.O.)



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.



**TRI STATE LAND SURVEYING & CONSULTING**  
 38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 1-3-97	WEATHER: COLD
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

Attachment A-1

M. 4/14/97

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1,2, NE/4, E/2NW/4	U-74390 HBP	Inland Production Company Yates petroleum Corporation ABO Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	Township 9 South, Range 15 East Section 1: All Section 3: All Section 10: All Section 11: All Section 12: All	UTU-74826 HBP	Inland Production Company	(Surface Rights) USA

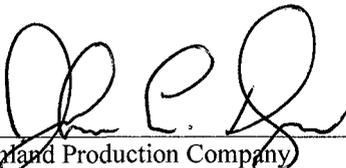
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Nine Mile #11-6

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

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

  
Inland Production Company  
John E. Dyer  
Chief Operating Officer

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

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





My Commission Expires 11/14/2000

# Nine Mile #11-6

Spud Date: 10/23/97  
 Put on Production: 12/17/97  
 GL: 5889' KB: 5901'

Initial Production: 57 BOPD,  
 89 MCFPD, 9 BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6024')  
 DEPTH LANDED: 6036'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sks Hibond mixed & 325 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 183 jts  
 TUBING ANCHOR: 5716'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5781'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 115-3/4" plain; 96-3/4" scraped; 1-2'x3/4" pony rod  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL (6048'-306')  
 DSN/SDL/GR (6010'-306')

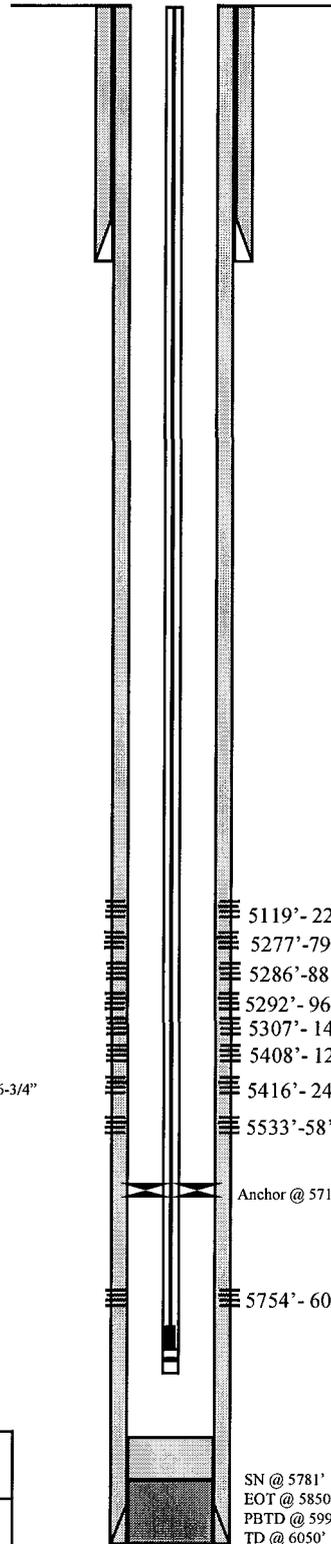
**FRAC JOB**

12/7/97 5754'-5760' **Frac CP sand as follows:**  
 95,300# of 20/40 sd in 513 bbls  
 Delta Frac. Treated @ avg rate 26.2 bpm,  
 avg press 2250 psi. Breakdown @ 3652  
 psi. ISIP-2393 psi, 5-min 2117 psi.  
 Flowback for 3-1/2 hrs & died.

12/10/97 5533'-5558' **Frac LDC sand as follows:** 104,300#  
 of 20/40 sd in 543 bbls Boragel.  
 Breakdown @ 2800 psi. Treated @ avg  
 rate of 27.9 BPM, avg press 2650 psi.  
 ISIP-3293 psi, 5-min 2374 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

12/12/97 5277'-5424' **Frac A sand as follows:**  
 127,000# 20/40 sand in 618 bbls Delta  
 Frac. Breakdown @ 2252 psi. Treated  
 w/avg press of 1700 psi w/avg rate of  
 35 BPM. ISIP - 2235 psi, 5 min 1936  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.

12/14/97 5119'-5122' **Frac B sand as follows:**  
 88,300# 20/40 sand in 471 bbls of Delta  
 Frac. Breakdown @ 3202 psi. Treated  
 @ avg press of 2550 psi w/avg rate of  
 25.4 BPM. ISIP-2772 psi, 5 min 1930  
 psi. Flowback on 12/64" ck for 2-1/2 hrs  
 & died.



**PERFORATION RECORD**

Date	Depth Range	Tool Joint	Holes
12/6/97	5754'-5760'	4 JSPF	24 holes
12/9/97	5533'-5558'	4 JSPF	100 holes
12/11/97	5277'-5279'	4 JSPF	8 holes
12/11/97	5286'-5288'	4 JSPF	8 holes
12/11/97	5292'-5296'	4 JSPF	16 holes
12/11/97	5307'-5314'	4 JSPF	28 holes
12/11/97	5408'-5412'	4 JSPF	16 holes
12/11/97	5416'-5424'	4 JSPF	32 holes
12/13/97	5119'-5122'	4 JSPF	12 holes



**Inland Resources Inc.**

**Nine Mile #11-6**

1938 FSL 1756 FWL  
 NESW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31812; Lease #UTU-74390

# Nine Mile #5-6

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

Initial Production: 263 BOPD,  
 196 MCFPD, 9 BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

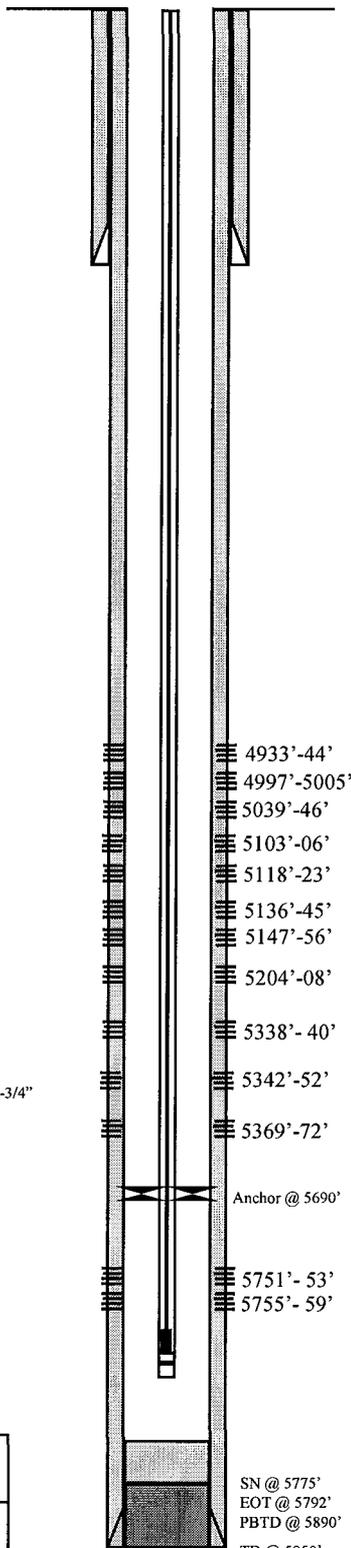
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5925')  
 DEPTH LANDED: 5937'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sks Hibond mixed & 375 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

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

**SUCKER RODS**

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



**FRAC JOB**

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

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

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

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

**PERFORATION RECORD**

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

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



**Inland Resources Inc.**

**Nine Mile #5-6**

1923 FNL 695 FWL

SWNW Section 6-T9S-R16E

Duchesne Co, Utah

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

# Nine Mile #6-6

Spud Date: 11/6/97  
 Put on Production: 12/17/97  
 GL: 5841' KB: 5854'

Initial Production: 75 BOPD,  
 74 MCFPD, 36 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 311.79'  
 DEPTH LANDED: 324.70'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Premium cmt, est 1 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5909.273')  
 DEPTH LANDED: 5920.77'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sxs Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 188 jts  
 TUBING ANCHOR: 5431'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5494'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 115-3/4" plain; 95-3/4" scraped; 1-8", 1-4", 1-2"x3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL (5920'-323')  
 DSN/SDL/GR (5894'-3000')

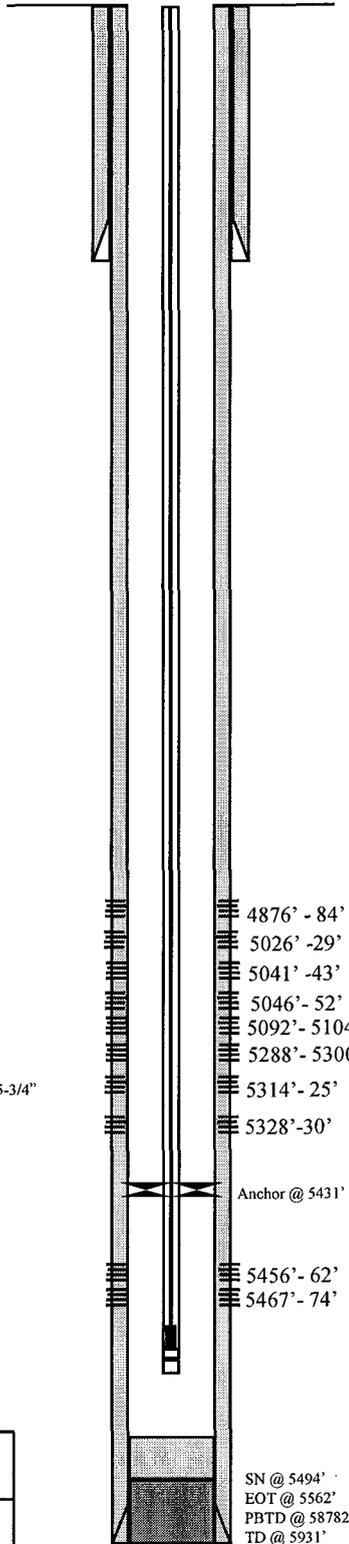
**FRAC JOB**

12/7/97 5456'-5474' **Frac LDC sand as follows:**  
 121,300# of 20/40 sd in 573 bbls  
 Delta Frac. Treated @ avg rate 29 bpm,  
 avg press 2600 psi. Breakdown @ 2627  
 psi. ISIP-2836 psi, 5-min 2720 psi.  
 Flowback for 4 hrs & died.

12/10/97 5288'-5330' **Frac A sand as follows:** 130,300#  
 of 20/40 sd in 622 bbls Boragel.  
 Breakdown @ 2160 psi. Treated @ avg  
 rate of 31 BPM, avg press 1950 psi. ISIP-  
 2462 psi, 5-min 2145 psi. Flowback on  
 12/64" ck for 2-1/2 hrs & died.

12/12/97 5026'-5104' **Frac C/B sands as follows:**  
 114,300# 20/40 sand in 549 bbls Delta  
 Frac. Breakdown @ 2220 psi. Treated  
 w/avg press of 1880 psi w/avg rate of  
 28.1 BPM. ISIP - 2974 psi, 5 min 2670  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.

12/14/97 4876'-4884' **Frac D sand as follows:**  
 114,300# 20/40 sand in 520 bbls of Delta  
 Frac. Breakdown @ 3516 psi. Treated  
 @ avg press of 2046 psi w/avg rate of  
 26.2 BPM. ISIP-2550 psi, 5 min 2350  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
12/6/97	5456'-5462'	4 JSPF	24 holes
12/6/97	5467'-5474'	4 JSPF	28 holes
12/9/97	5288'-5300'	4 JSPF	48 holes
12/9/97	5314'-5325'	4 JSPF	44 holes
12/9/97	5328'-5330'	4 JSPF	8 holes
12/11/97	5026'-5029'	4 JSPF	48 holes
12/11/97	5041'-5043'	4 JSPF	8 holes
12/11/97	5046'-5052'	4 JSPF	24 holes
12/11/97	5092'-5104'	4 JSPF	48 holes
12/13/97	4876'-4884'	4 JSPF	32 holes



**Inland Resources Inc.**

**Nine Mile #6-6**

2011 FNL 1869 FWL  
 SENW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31719; Lease #UTU-74390

# Nine Mile 13-6

Spud Date: 1/1/98  
 Put on Production: 1/29/98  
 GL: 5927' KB: 5941'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 SXS Prem Plus w/2% CC, 2% gel, 1/2#/sx floccle

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts.  
 DEPTH LANDED: 5982'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 340 sx Hibond 65 Modified. Tail w/300 sxs Thixotropic & 10% Calseal

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 6.5 M-50  
 NO. OF JOINTS: 190 jts.  
 TUBING ANCHOR: 5484'  
 TOTAL STRING LENGTH: 5618'  
 SN LANDED AT: 5550'

**ROD STRING**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1-1/2" weight rods, 4- 3/4" scraped rods, 118 - 3/4" plain rods, 94 - 3/4" scraped rods, 1 - 4' x 3/4" pony rod, 1-1/2" x 22' polish rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 74" @ 5-1/2" SPM  
 LOGS: DIGL/SP/GR/CAL (6007' - 297')  
 DSN/SKL/GR (5972'-3000')

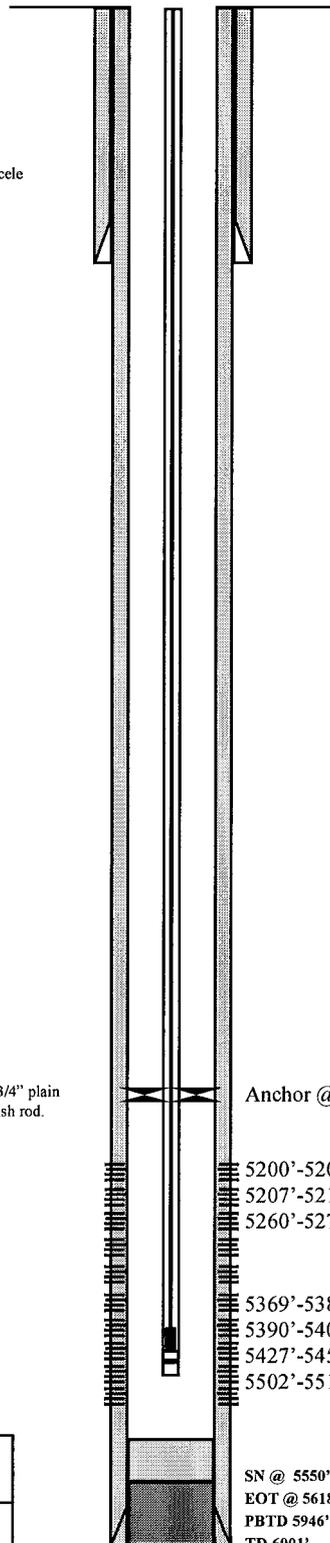
**FRAC JOB**

1/21/98 5369'-551' 3500 gal pad; 1,000 gal w/1-6 pp 20/40 ss; 10,000 gal w/6-8 ppg 20/40 ss; 700 gal w/6-8 ppg 20/40 ss (8.1#max); flush w/5,263 Gal of 10# linear gel

1/23/98 5200'-5204' 3000 gal pad; 1,000 gal w/1-6 ppg 20/40 ss; 8,000 gal w/6-8 ppg 20/40 ss; 5,017 gal w/8-10 ppg of 20/40 ss; flush with 5,109 gal linear gel. Avg rate 28.4, Avg. TP

**PERFORATION RECORD**

4 JSPF	5200'-5204'	A Sands
	5207'-5211'	
	5260'-5270'	
2 JSPF	5369'-5382'	LDC Sands
	5390'-5406'	
	5427'-5452'	
	5502'-5514'	





**Inland Resources Inc.**

Nine Mile 13-6  
 652' FSL and 668' FWL  
 SWSW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31954; Lease #U-74390

SN @ 5550'  
 EOT @ 5618'  
 PBTD 5946'  
 TD 6001'

# Monument Federal #32-6-9-16Y

Spud Date: 3/27/97  
 Put on Production: 5/7/97  
 GL: 5885.3'

Initial Production: 5 BOPD,  
 100 MCFPD, 2 BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 6332.95'  
 DEPTH LANDED: 6342.95'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 175 sxs Premium & 450 sxs 50/50 Poz  
 CEMENT TOP AT: 2500'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 182 jts  
 TUBING ANCHOR: 4355'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5655'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 233-3/4" plain, 2-3/4"x8' pony  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' TWAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: CBL/GR

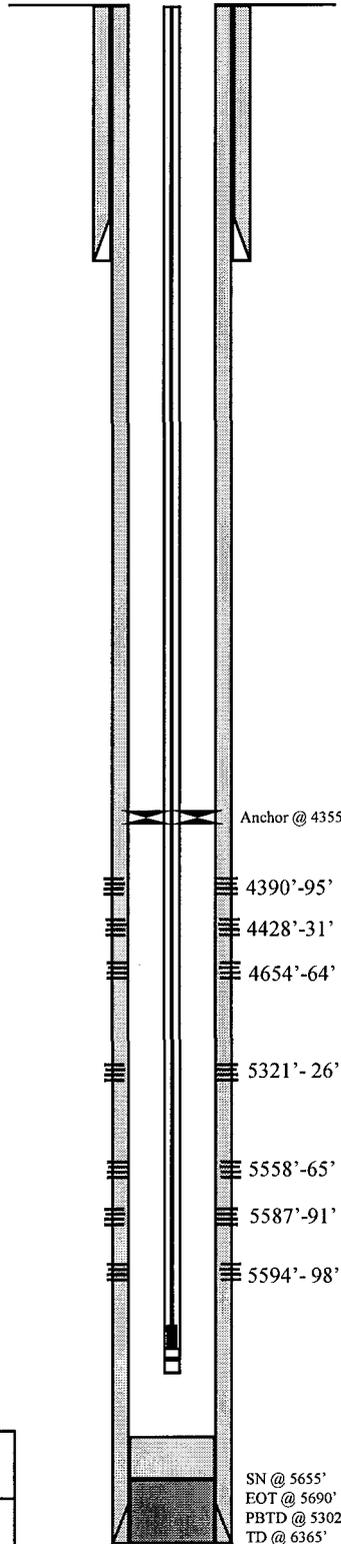
**FRAC JOB**

4-21-97 5558'-5598' **Frac as follows:**  
 Break down w/ 2940 gals 2% KCL water.  
 Frac w/ 13,500# 20/40 mesh sand and  
 36,300# 16/30 mesh sand w/17,136 gals  
 2% KCL gelled water. ISIP-2300 psi.  
 ATP-2300 psi and ATR-31.4 BPM.

4-23-97 5321'-5326' **Frac as follows:**  
 Break down w/ 2688 gals 2% KCL water.  
 Frac w/4500# 20/40 mesh sand and  
 13,300# 16/30 mesh sand w/10,794 gals  
 2% KCL gelled water. ISIP-2200 psi, 5  
 min 1900 psi. ATP-2300 psi and ATR-  
 20.5 BPM.

4-25-97 4654'-4664' **Frac as follows:**  
 Frac w/27,300# 16/30 mesh sand  
 w/12,180 gals 2% KCL gelled water.  
 ATP-2400 psi and ATR-24.9 BPM.  
 ISIP-2750 psi, 5 min 2260 psi.

4-28-97 4390'-4431' **Frac as follows:**  
 Break down w/1848 gals 2% KCL water.  
 Frac w/23,700# 16/30 mesh sand  
 w/10,960 gals 2% KCL gelled water.  
 ATP-2850 psi and ATR-28 BPM. ISIP-  
 2300 psi, 5 min 1791 psi



**PERFORATION RECORD**

4-18-97	5558'-5565'	4 JSPF	28 holes
4-18-97	5587'-5591'	4 JSPF	16 holes
4-18-97	5594'-5598'	4 JSPF	16 holes
4-23-97	5321'-5326'	4 JSPF	20 holes
4-25-97	4654'-4664'	4 JSPF	40 holes
4-28-97	4390'-4395'	4 JSPF	20 holes
4-28-97	4428'-4431'	4 JSPF	12 holes



**Inland Resources Inc.**

**Monument Federal #32-6-9-16Y**

2229 FNL 1792 FEL  
 NENW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31300; Lease #UTU-74390

# Monument Federal #33-6

Spud Date: 6/4/96  
 Put on Production: 7/10/96  
 GL: 5867' KB: 5881

Initial Production: 5.66 BOPD,  
 0 MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts (252')  
 DEPTH LANDED: 262'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CaCl<sub>2</sub>, 1/4#/sx cello flake  
 TOC: 226'

**FRAC JOB**

6-26-96 4845'-4859' 12,660 gal 2% KCL wtr,  
 37280 lbs 16/30 ss. ATP 2100 psi, ATR  
 19.4 bpm, screen out w/29,229 lbs ss  
 on formation flow back 110 bbls wtr.

**PRODUCTION CASING**

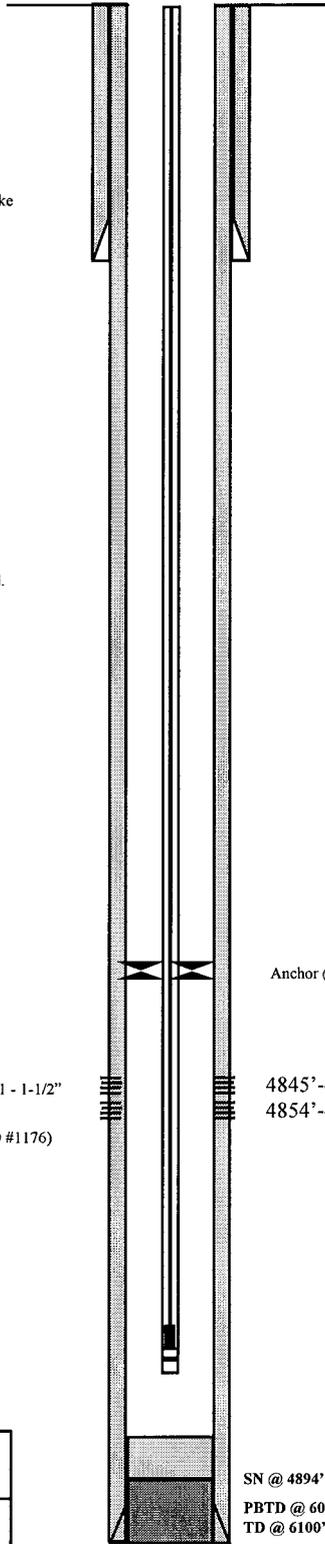
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6070')  
 DEPTH LANDED: 6080'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sxs Super "G", 3% salt, 2% gel, 2#/sx kol-seal,  
 1/4#/sx cello flake. Tail w/290 sxs 50/50 poz, 2% gel, 1/4#/sx kol-seal.

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 159 jts  
 TUBING ANCHOR: 4768'  
 TOTAL STRING LENGTH: 4929'  
 SN LANDED AT: 4894'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 2-7/8" x 2' pony w/2-1/2" guide, 1 - 3/4" x 8' pony, 1 - 1-1/2"  
 x 25' K-Bar, 193 3/4" x 25' D-61 plain  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC w/SM plunger (TRICO #11176)  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: CBL/GR, DLL, SDL, DSN



**PERFORATION RECORD**

6/25/96 4 SPF 4845'-4853'  
 4854'-4859'



**Inland Resources Inc.**

**Monument Federal #33-6-9-16**

1950' FSL 1850' FEL  
 NWSW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31589; Lease #U-74390

# Ashley Federal #9-1

Spud Date: 5/22/97  
 Put on Production: 7/14/97  
 GL: 5918' KB: 5930'

Initial Production: 132 BOPD,  
 190 MCFPD, 2 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.11')  
 DEPTH LANDED: 303.17' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5955.69')  
 DEPTH LANDED: 5945' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 355 sxs Hibond mixed & 320 sxs thixotropic  
 CEMENT TOP AT: 460' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M -50 / 6.5#  
 NO. OF JOINTS: 172 jts  
 TUBING ANCHOR: 5427'  
 SEATING NIPPLE: 2 - 7/8" (1.10')  
 TOTAL STRING LENGTH: ? (EOT @ 5622')  
 SN LANDED AT: 5554'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 98-3/4" scraped, 4-1-1/2" guided rods, 114-3/4" plain rods,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 9 SPM  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

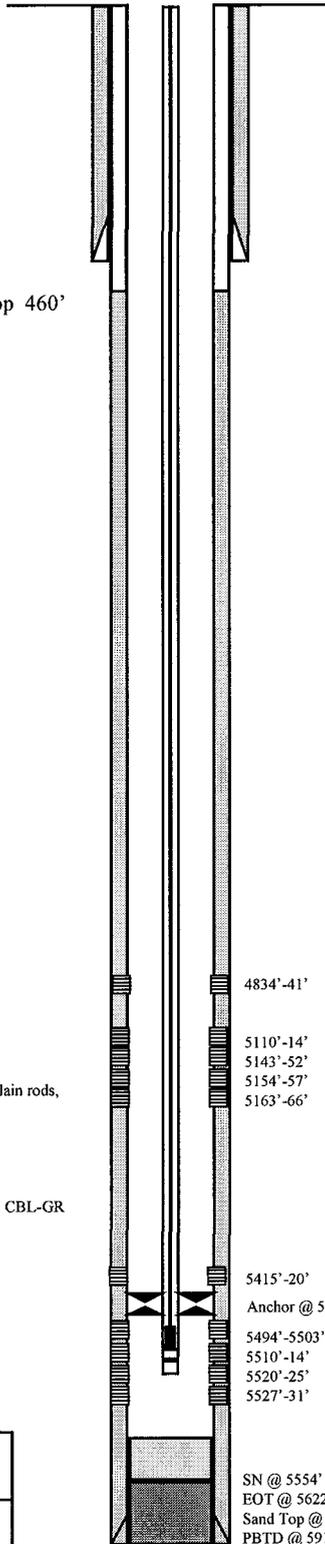
**FRAC JOB**

7/02/97 5494'-5531' **Frac A/LDC sand as follows:**  
 124,600# of 20/40 sand in 610 bbls of Boragel. Breakdown @ 2792 psi.  
 Treated @ avg rate of 32 bpm w/avg press of 2100 psi. ISIP-2361 psi, 5-min 2253 psi. Flowback on 12/64" ck for 5-1/2 hours and died.

7/04/97 5110'-5166' **Frac B sand as follows:**  
 108,900# of 20/40 sand in 534 bbls of Boragel. Breakdown @ 2150 psi.  
 Treated @ avg rate of 28 bpm w/avg press of 1900 psi. ISIP-2268 psi, 5-min 2169 psi. Flowback on 12/64" ck for 4-1/2 hours and died.

7/09/97 4834'-4841' **Frac D sand as follows:**  
 94,000# of 20/40 sand in 487 bbls of Boragel. Breakdown @ 3307 psi.  
 Treated @ avg rate of 24 bpm w/avg press of 2350 psi. ISIP-2635 psi, 5-min 2551 psi. Flowback on 12/64" ck for 4-1/2 hours and died.

Cement Top 460'



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
7/02/97	5527'-5531'	4 JSPF	16 holes
7/02/97	5520'-5525'	4 JSPF	20 holes
7/02/97	5510'-5514'	4 JSPF	16 holes
7/02/97	5494'-5503'	4 JSPF	36 holes
7/02/97	5415'-5420'	4 JSPF	20 holes
7/04/97	5163'-5166'	4 JSPF	12 holes
7/04/97	5154'-5157'	4 JSPF	12 holes
7/04/97	5143'-5152'	4 JSPF	36 holes
7/04/97	5110'-5114'	4 JSPF	16 holes
7/09/97	4834'-4841'	4 JSPF	28 holes

SN @ 5554'  
 EOT @ 5622'  
 Sand Top @ 4834'  
 PBTB @ 5914'  
 TD @ 5948'



**Inland Resources Inc.**

**Ashley Federal #9-1**

1980 FNL 660 FEL

NENE Section 1-T9S-R15E

Duchesne Co, Utah

API #43-013-31859; Lease #U-74826

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

Attachment F

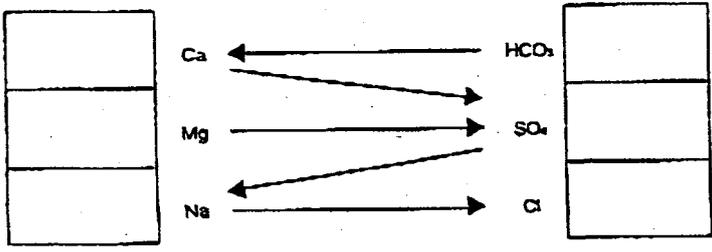
## WATER ANALYSIS REPORT

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

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u> ÷ 30 <u>0</u> CO <sub>3</sub>	
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u> ÷ 61 <u>5</u> HCO <sub>3</sub>	
7. Hydroxyl (OH)		OH <u>0</u> ÷ 17 <u>0</u> OH	
8. Chlorides (Cl)		Cl <u>35</u> ÷ 35.5 <u>1</u> Cl	
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u> ÷ 48 <u>2</u> SO <sub>4</sub>	
10. Calcium (Ca)		Ca <u>44</u> ÷ 20 <u>2</u> Ca	
11. Magnesium (Mg)		MG <u>22</u> ÷ 12.2 <u>2</u> Mg	
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	Σ Meq/l	= Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>	<u>162</u>
CaSO <sub>4</sub>	68.07		
CaCl <sub>2</sub>	55.50		
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>	<u>146</u>
MgSO <sub>4</sub>	60.19		
MgCl <sub>2</sub>	47.62		
NaHCO <sub>3</sub>	84.00	<u>1</u>	<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>	<u>142</u>
NaCl	58.46	<u>1</u>	<u>59</u>

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

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

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

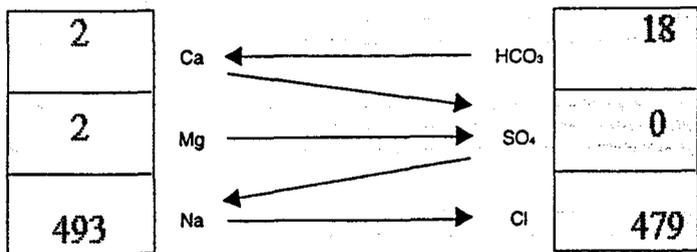
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 04-23-98  
Source 9 MILE 11-6 Date Sampled 04-21-98 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.6</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.026</u>		
4. Dissolved Solids		<u>29,504</u>	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub>	<u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	<u>1,100</u>	÷ 61 <u>18</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>17,000</u>	÷ 35.5 <u>479</u> Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	<u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)	Ca	<u>45</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)	MG	<u>20</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>145</u>	
13. Total Iron (Fe)		<u>2.4</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>2</u>		<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>2</u>		<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00		<u>14</u>		<u>1,176</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46		<u>479</u>		<u>28,002</u>

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

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

04-28-98

WATER DESCRIPTION:	JOHNSON WATER	9 MILE 11-6
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	1804
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	17000
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	113
MAGNESIUM AS PPM CaCO3	90	82
SODIUM AS PPM Na	92	11339
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	29504
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.6

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND 9 MILE 11-6  
 CONDITIONS: TEMP.=150 AND pH=7.8  
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.13	34	0	0	0
90	1.13	35	0	0	0
80	1.11	35	0	0	0
70	1.08	35	0	0	0
60	1.04	35	0	0	0
50	1.03	35	0	0	0
40	1.02	35	0	0	0
30	1	35	0	0	0
20	.98	34	0	0	0
10	.99	35	0	0	0
0	.99	35	0	0	0

**Attachment G**

**Nine Mile #11-6  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5754	5760	5757	2393	0.85	2387
5533	5558	5546	3293	1.03	3291
5277	5424	5351	2235	0.85	2189 ←
5119	5122	5121	2772	0.97	2738
<b>Minimum</b>					<u>2189</u>

Calculation of Maximum Surface Injection Pressure  

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

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



DAILY COMPLETION REPORT

WELL NAME Nine Mile 11-6 Report Date 12/7/97 Completion Day 3  
Present Operation Perf LDC sds. Rig Flint #4

WELL STATUS

Surf Csg: 8-5/8 @ 306' KB Liner \_\_\_\_\_ @ \_\_\_\_\_ Prod Csg 5-1/2 @ 6036 Csg PBTB 5992  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @ \_\_\_\_\_ BP/Sand PBTB: \_\_\_\_\_

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP	5754-60'	4/24			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/6/97 SITP: 0 SICP: 0

IFL @ 5650'. Made 1 swab run, rec 1 BTF. FFL @ 5750'. TOH w/tbg. NU isolation tool. RU Halliburton & frac CP sds w/95,300# 20/40 sd in 513 bbls Delta Frac. Perfs broke dn @ 3652 psi. Treated @ ave press of 2250 psi w/ave rate of 26.2 BPM. ISIP: 2393 psi, 5 min: 2117 psi. Flowback on 12/64 choke for 3-1/2 hrs & died. Rec 153 BTF (est 30% of load). SIFN w/est 360 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>513</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>153</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>360</u>	Cum oil recovered	<u>0</u>
IFL <u>5650</u> FFL <u>5750</u> FTP _____		Choke <u>12/64</u> Final Fluid Rate _____	Final oil cut _____

STIMULATION DETAIL

Base Fluid used: Delta Frac Job Type: Sand Frac  
 Company: Halliburton  
 Procedure: \_\_\_\_\_  
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
3880 gal w/8-10 ppg of 20/40 sd  
Flush w/5670 gal of 10# Linear gel.

COSTS

Flint rig	<u>909</u>
BOP	<u>135</u>
Tanks	<u>90</u>
Wtr	<u>650</u>
HO Trk	<u>716</u>
Frac	<u>21,439</u>
Flowback - super	<u>150</u>
IPC Supervision	<u>200</u>

Max TP 3652 Max Rate 26.7 Total fluid pmpd: 513 bbls  
 Avg TP 2250 Avg Rate 26.2 Total Prop pmpd: 95,300#  
 ISIP 2393 5 min 2117 10 min \_\_\_\_\_ 15 min \_\_\_\_\_  
 Completion Supervisor: Gary Dietz

DAILY COST: \$24,289  
 TOTAL WELL COST: \$202,584



**DAILY COMPLETION REPORT**

**WELL NAME** Nine Mile 11-6 **Report Date** 12/10/97 **Completion Day** 5  
**Present Operation** Perf A sd. **Rig** Flint #4

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 306' KB **Liner**          @          **Prod Csg** 5-1/2 @ 6036 **Csg PBD** 5992  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT** @          **BP/Sand PBD:** 5717

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5533-58'	4/100			
CP	5754-60'	4/24			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 12/9/97 **SITP:**          **SICP:**           
 RU Halliburton & frac LDC sd w/104,300# of 20/40 sd in 543 bbls of Boragel. Perfs broke dn @ 2800#. Treated @ ave press of 2650 w/ave rate of 27.9 BPM. ISIP: 3293 psi, 5 min: 2734 psi. Flowback on 12/64 choke for 4 hrs & died. Recovered 125 bbls Frac fluid. SIFN w/est 670 BWTR.

**FLUID RECOVERY (BBLs)**

<b>Starting fluid load to be recovered</b>	<u>252</u>	<b>Starting oil rec to date</b>	<u>0</u>
<b>Fluid <del>lost</del> recovered today</b>	<u>418</u>	<b>Oil lost/recovered today</b>	<u>0</u>
<b>Ending fluid to be recovered</b>	<u>670</u>	<b>Cum oil recovered</b>	<u>0</u>
<b>IFL</b>	<u>        </u>	<b>Choke</b>	<u>        </u>
<b>FFL</b>	<u>        </u>	<b>Final Fluid Rate</b>	<u>        </u>
<b>FTP</b>	<u>        </u>	<b>Final oil cut</b>	<u>        </u>

**STIMULATION DETAIL**

**COSTS**

**Base Fluid used:** Boragel **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:**           
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
5136 gal w/8-10 ppg of 20/40 sd  
Flush w/5656 gal of 10# Linear gel

Flint rig	<u>1,222</u>
BOP	<u>140</u>
Frac Tanks	<u>60</u>
HOT	<u>800</u>
Halliburton	<u>22,386</u>
IPC Supervision	<u>200</u>

**Max TP** 3610 **Max Rate** 28.3 **Total fluid pmpd:** 22792 gal  
**Avg TP** 2650 **Avg Rate** 27.9 **Total Prop pmpd:** 104,300#  
**ISIP** 3293 **5 min** 2734 **10 min** 1724 **15 min** 1613  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$24,808  
**TOTAL WELL COST:** \$233,133



DAILY COMPLETION REPORT

WELL NAME Nine Mile 11-6 Report Date 12/12/97 Completion Day 7  
Present Operation Perf B sds. Rig Flint #4

WELL STATUS

Surf Csg: 8-5/8 @ 306' KB Liner \_\_\_\_\_ @ \_\_\_\_\_ Prod Csg 5-1/2 @ 6036 Csg PBDT 5992  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @ \_\_\_\_\_ BP/Sand PBDT: 5462

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A	5277-79'	4/8	A	5408-12'	4/16
A	5286-88'	4/8	A	5416-24'	4/32
A	5292-96'	4/16	LDC	5533-58'	4/100
A	5307-14'	4/28	CP	5754-60'	4/24

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/11/97 SITP: 0 SICP: 0

Con't TIH w/Pkr & tbg f/1262'. Set pkr @ 5375'. (Hole full). Break down bottom set perfs (5408' - 24') @ 3200 psi. Inject 5 BW @ 2.3 BPM @ 2150 psi. Break down upper perfs (5277' - 5314') @ 2700 psi. Inject 5 BW @ 2.3 BPM @ 1800 psi. Total load of 10 BW. Release pkr & pull to 5255'. IFL @ sfc. Swab FL dn to 5200'. Rec 112 BTF w/tr oil. TOH w/tbg. LD pkr. NU isolation tool. RU Halliburton & frac A sds w/127,00# 20/40 sd in 618 bbls Delta frac. Perfs broke back @ 2252 psi. Saw 3 distinct breaks. Treated @ ave press of 1700 psi w/ave rate of 35 BPM. ISIP: 2235 psi, 5 min: 1936 psi. Flowback on 12/64 choke for 3 hrs & died. Rec 86 BTF (est 14% of load). SIFN w/est 1093 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>663</u>	Starting oil rec to date	<u>0</u>
Fluid <u>lost</u> recovered today	<u>430</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>1093</u>	Cum oil recovered	<u>0</u>
IFL <u>Sfc</u> FFL <u>5200</u> FTP _____		Choke <u>12/64</u> Final Fluid Rate _____	Final oil cut <u>Tr.</u>

STIMULATION DETAIL

Base Fluid used: Delta Frac Job Type: Sand Frac  
Company: Halliburton  
Procedure: \_\_\_\_\_  
4000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
10,000 gal w/6-8 ppg of 20/40 sd  
5755 gal w/8-10 ppg of 20/40 sd  
Flush w/5209 gal of 10# Linear gel

COSTS

Flint rig	<u>2,140</u>
BOP	<u>135</u>
Tanks	<u>90</u>
Wtr	<u>850</u>
HO Trk	<u>854</u>
Frac	<u>24,642</u>
Wtr disp	<u>300</u>
Flowback - super	<u>150</u>
IPC Supervision	<u>200</u>

Max TP 2516 Max Rate 35.4 Total fluid pmpd: 618 bbls  
Avg TP 1700 Avg Rate 35 Total Prop pmpd: 127,000#  
ISIP 2235 5 min 1936 10 min \_\_\_\_\_ 15 min \_\_\_\_\_  
Completion Supervisor: Gary Dietz

DAILY COST: \$29,361  
TOTAL WELL COST: \$268,024



Attachment G-4

**DAILY COMPLETION REPORT**

**WELL NAME** Nine Mile 11-6 **Report Date** 12/14/97 **Completion Day** 9  
**Present Operation** Pull plugs. CO to PBTD. **Rig** Flint #4

**WELL STATUS**

**Surf Csg:** 8-5/8 @ 306' **KB** **Liner** \_\_\_\_\_ @ \_\_\_\_\_ **Prod Csg** 5-1/2 @ 6036 **Csg PBTD** 5992  
**Tbg:** **Size** 2-7/8 **Wt** 6.5# **Grd** M-50 **Pkr/EOT @** \_\_\_\_\_ **BP/Sand PBTD:** 5243

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B	5119-22'	4/12	A	5408-12'	4/16
A	5277-79'	4/8	A	5416-24'	4/32
A	5286-88'	4/8	LDC	5533-58'	4/100
A	5292-96'	4/16	CP	5754-60'	4/24
A	5307-14'	4/28			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 12/13/97 **SITP:** 0 **SICP** 0  
 IFL @ 4600'. Made 4 swab runs, rec 6 BTF w/tr oil. FFL @ 5100'. TOH w/tbg. NU isolation tool. RU Halliburton & frac B sds w/88,300# 20/40 sd in 471 bbls Delta Frac. Perfs broke dn @ 3202 psi. Treated @ ave press of 2550 psi w/ave rate of 25.4 BPM. ISIP: 2772 psi, 5 min: 1930 psi. Flowback on 12/64" choke for 2-1/2 hrs & died. Rec 87 BTF (est 18% of load). SIFN w/est 1372 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered** 994 **Starting oil rec to date** 0  
**Fluid lost/recovered today** 378 **Oil lost/recovered today** 0  
**Ending fluid to be recovered** 1372 **Cum oil recovered** 0  
**IFL** 4600 **FFL** 5100 **FTP** \_\_\_\_\_ **Choke** 12/64 **Final Fluid Rate** \_\_\_\_\_ **Final oil cut** Tr.

**STIMULATION DETAIL**

**Base Fluid used:** Delta Frac **Job Type:** Sand Frac  
**Company:** Halliburton  
**Procedure:** \_\_\_\_\_  
2500 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
7000 gal w/6-8 ppg of 20/40 sd  
4215 gal w/8-10 ppg of 20/40 sd  
Flush w/5080 gal of 10# Linear gel.

**COSTS**

Flint rig 1,188  
BOP 135  
Tanks 90  
Wtr 650  
HO Trk 550  
Frac 19,935  
Flowback - super 100  
IPC Supervision 200

**Max TP** 3648 **Max Rate** 27.2 **Total fluid pmpd:** 471 bbls  
**Avg TP** 2550 **Avg Rate** 25.4 **Total Prop pmpd:** 88,300#  
**ISIP** 2772 **5 min** 1930 **10 min** \_\_\_\_\_ **15 min** \_\_\_\_\_  
**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$22,848  
**TOTAL WELL COST:** \$295,341

**ATTACHMENT H**

**WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. **Plug #1** Set 791' plug from 5019'-5810' with 120 sxs Class "G" cement.
2. **Plug #2** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
3. **Plug #3** Set 100' plug from 244'-344' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
4. **Plug #4** Set 50' plug from surface with 10 sxs Class "G" cement.
5. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 294' to surface.

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

# Nine Mile #11-6

Spud Date: 10/23/97  
 Put on Production: 12/17/97  
 GL: 5889' KB: 5901'

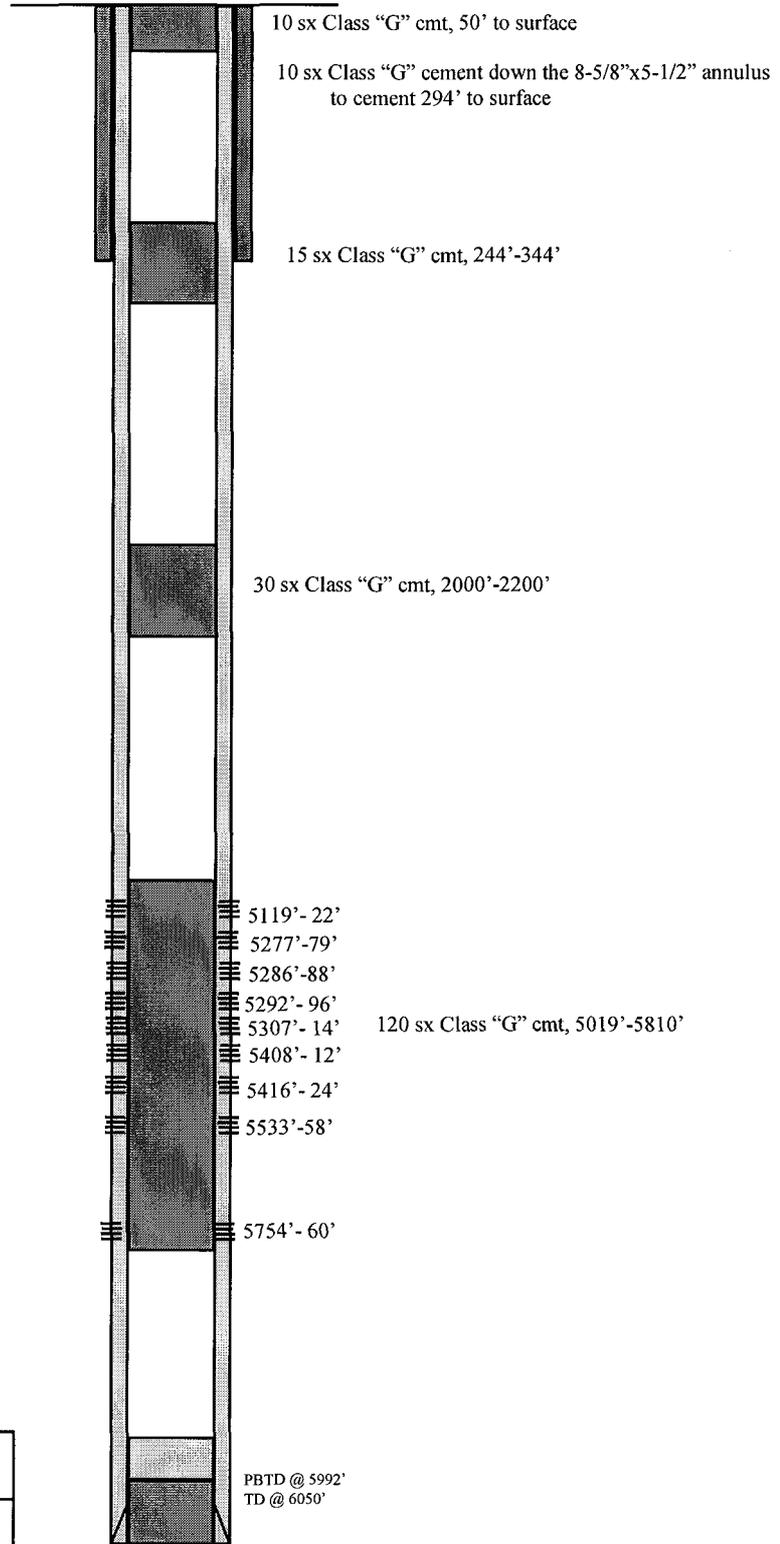
## Proposed P&A Wellbore Diagram

### SURFACE CASING

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

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6024')  
 DEPTH LANDED: 6036'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sks Hibond mixed & 325 sks thixotropic  
 CEMENT TOP AT:





**Inland Resources Inc.**

**Nine Mile #11-6**

1938 FSL 1756 FWL  
 NESW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31812; Lease #UTU-74390

PBTD @ 5992'  
 TD @ 6050'



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

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

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

July 10, 1998

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

Re: Notice of Agency Action - Cause No. UIC-219

Gentlemen:

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

Sincerely,

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

Lorraine Platt  
Secretary

Enclosure



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

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

July 10, 1998

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

Re: Notice of Agency Action - Cause No. UIC-219

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Sincerely,

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

Lorraine Platt  
Secretary

Enclosure

**Inland Production Company  
Monument Federal 32-6-9-16Y, 41-18, 34-31-8-16 & 23-7,  
Nine Mile 11-6, 13-6, 5-7, 7-7, 15-7 & 3-7-9-16 Wells  
Cause No. UIC-219**

Publication Notices were sent to the following:

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

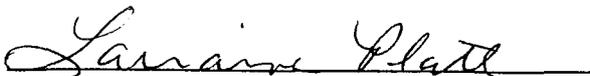
Newspaper Agency Corporation  
Legal Advertising  
P.O. Box 45838  
Salt Lake City, Utah 84145

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

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

School & Institutional Trust Lands Administration  
Attn: Jim Cooper  
675 East 500 South  
Salt Lake City, Utah 84102



Lorraine Platt  
Secretary  
July 10, 1998

**WEST POINT UNIT WELL LISTING**

AS OF 7/13/98

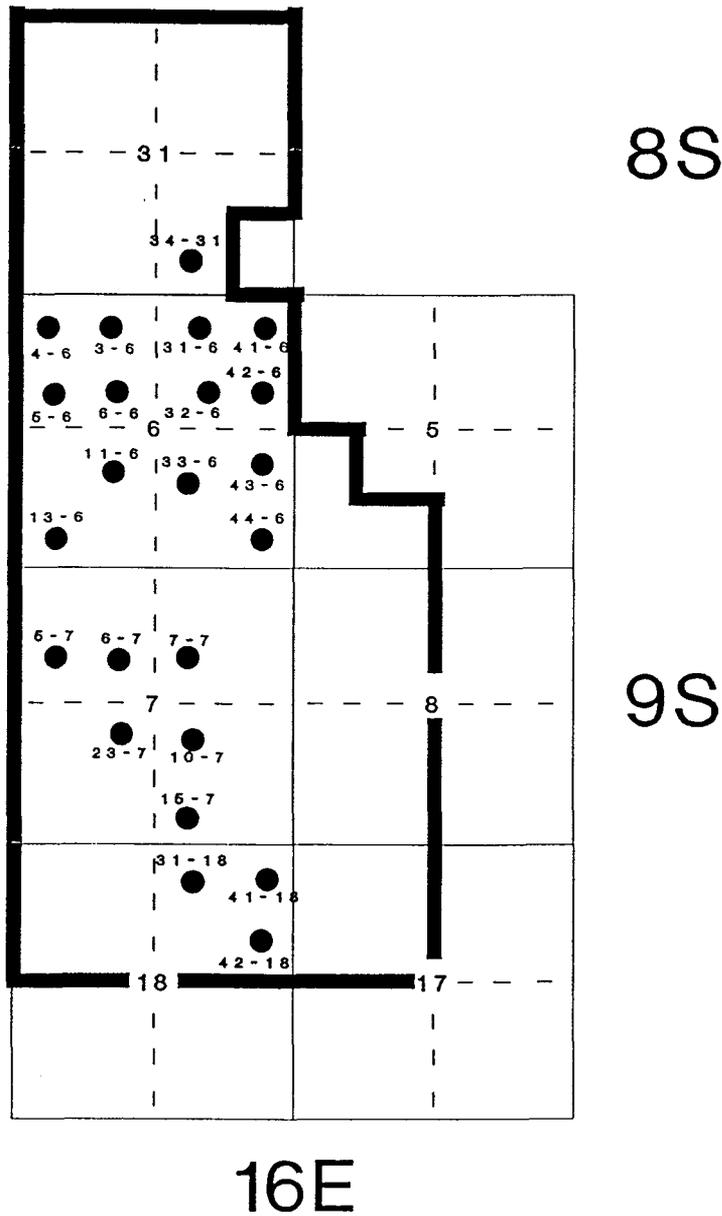
T. 8 & 9S, R. 16E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
6	WEST POINT UNIT	MON FED #31-6Y	PROD	4301331717	12060
6	WEST POINT UNIT	FED 32-06-09-16Y	PROD	43013317307	11211
6	WEST POINT UNIT	MON FED #42-6Y	PROD	4301331645	11947
6	WEST POINT UNIT	MON FED #43-6Y	PROD	4301331644	11960
6	WEST POINT UNIT	MON FED #33-6Y	PROD	4301331589	11933
6	WEST POINT UNIT	FED 44-06-09-16Y	PROD	4301331720	12066
7	WEST POINT UNIT	MON FED #23-7Y	PROD	4301331694	12019
18	WEST POINT UNIT	MON FED #41-18Y	PROD	4301331646	11941
18	WEST POINT UNIT	FED 31-18-9-16Y	PROD	4301331725	12104
18	WEST POINT UNIT	FED 42-18-09-16Y	PROD	4301331724	12124
31	WEST POINT UNIT	MON FED 34-31-8-16	PROD	4301331715	12067
6	WEST POINT UNIT	MON FED 41-6-9-16Y	PROD	4301331718	12043
6	WEST POINT UNIT	NINE MILE 3-6	PROD	4301331810	12264
*6	WEST POINT UNIT	NINE MILE 11-6	PROD	4301331812	12266
6	WEST POINT UNIT	NINE MILE FEDERAL 15-6-9-16	PROD	4301332010	12327
7	WEST POINT UNIT	NINE MILE 6-7	PROD	4301331776	12290
7	WEST POINT UNIT	NINE MILE 10-7	PROD	4301331773	12286
7	WEST POINT UNIT	NINE MILE FEDERAL 12-7-9-16	PROD	4301332014	12328
6	WEST POINT UNIT	NINE MILE 4-6	PROD	4301331952	12282
6	WEST POINT UNIT	NINE MILE 5-6	PROD	4301331953	12288
6	WEST POINT UNIT	NINE MILE 13-6	PROD	4301331954	12284
6	WEST POINT UNIT	NINE MILE 6-6	PROD	4301331719	12289
7	WEST POINT UNIT	NINE MILE 5-7	PROD	4301331777	12291
7	WEST POINT UNIT	NINE MILE 7-7	PROD	4301331778	12292
7	WEST POINT UNIT	NINE MILE 15-7	PROD	4301331803	12287
7	WEST POINT UNIT	NINE MILE 2-7	PROD	4301332011	12316
7	WEST POINT UNIT	NINE MILE 3-7	PROD	4301332012	12313
7	WEST POINT UNIT	NINE MILE 4-7	PROD	4301332013	12325
	WEST POINT UNIT	NINE MILE 14-6	P&A	4301331909	

WEST POINT (GR) UNIT ENTITY 12418 EFF 6-1-98.

# WEST POINT (GREEN RIVER) UNIT Duchesne County, Utah

EFFECTIVE: JUNE 1, 1998



**—** UNIT OUTLINE (UTU77107X)

2,738.19 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100%

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-219
THE MONUMENT FEDERAL	:	
#32-6-9-16Y, 41-18, 34-31-8-16 &	:	
23-7, NINE MILE 11-6, 13-6, 5-7, 7-7,	:	
15-7 & 3-7-9-16 WELLS LOCATED IN	:	
SECTIONS 6, 7, 18 & 31, TOWNSHIP	:	
8 & 9 SOUTH, RANGE 16 EAST,	:	
S.L.M., DUCHESNE COUNTY, UTAH,	:	
AS CLASS II INJECTION WELLS	:	

---ooOoo---

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

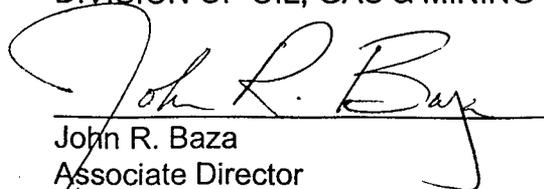
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Federal 32-6-9-16Y, 41-18, 34-31-8-16 & 23-7, Nine Mile 11-6, 13-6, 5-7, 7-7, 15-7 & 3-7-9-16 wells, located in Section 6, 7, 18 & 31, Township 8 & 9 South, Range 16 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

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

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

Dated this 10th day of July, 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director



**Nine Mile #11-6**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the West Point Unit on May 14, 1998. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Brad Hill Date: 7/23/98



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

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

Michael O. Leavitt  
Governor

Lowell P. Braxton  
Division Director

September 9, 1998

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

Re: West Point Unit Wells: Monument Federal 32-6-9-16Y, 41-18, 34-31-8-16 & 23-7, Nine Mile 11-6, 13-6, 5-7, 7-7, 15-7, & 3-7-9-16, Sections 6, 7, 18 & 31, Townships 8 & 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

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

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

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

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WEST POINT (GR RVR)**

8. Well Name and No.

**NINE MILE 11-6**

9. API Well No.

**43-013-31812**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**1938 FSL 1756 FWL                      NE/SW Section 6, T09S R16E**

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

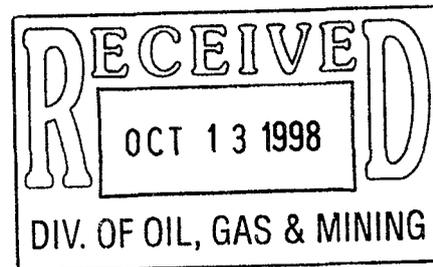
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Site Security

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

*Shirley E. Knight*

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

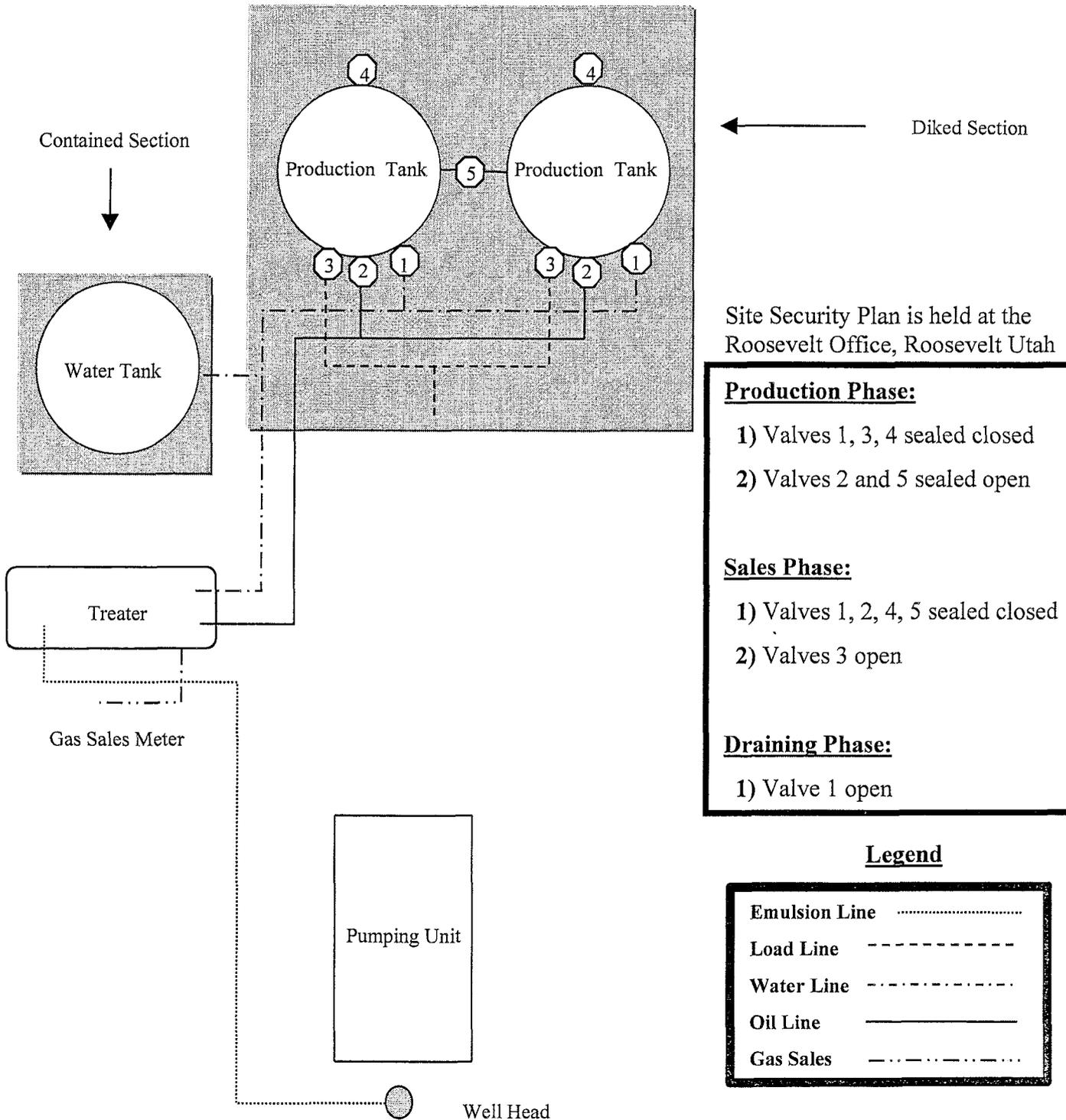
# Inland Production Company Site Facility Diagram

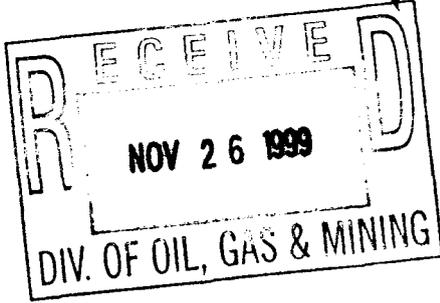
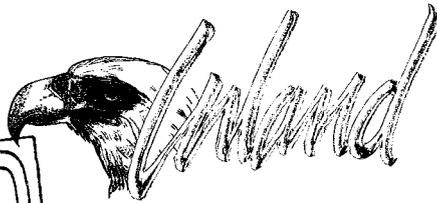
Nine Mile Federal 11-6

NE/SW Sec. 6, T9S, 16E

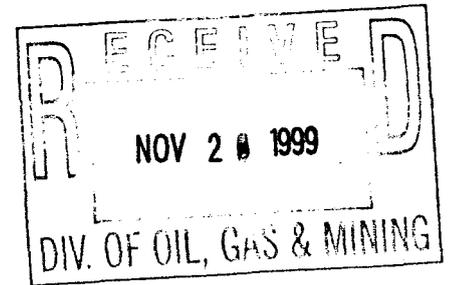
Duchesne County

May 12, 1998





PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.



November 24, - 1999

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

Dear Brad:

Please find enclosed an M.I.T. for the Nine Mile 11-6-9-16. I conducted this test on November 23, 1999. Dennis Ingram or Dave Hackford nether one could witness the test from your office.

We are waiting for your approval of this test, prior to starting injection on this well. Please review this as soon as possible and call me with your decision. I can be reached at our office in Pleasant Valley @ (435) 646-3721 or on my cellular @ (435) 823-6298.

Thanks for your assistance and prompt attention to this matter.

Sincerely,

*Roddie Bird*

Roddie Bird  
Production Foreman

Enclosures

cc: Mike Guinn, Brad Mecham, George Rooney, -Inland Resources  
Roosevelt & Denver Well Files

/rb

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

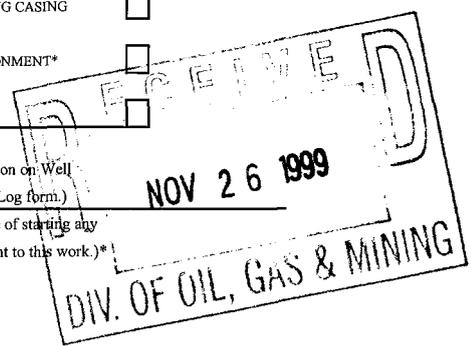
<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME <b>WEST POINT (GR RVR)</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NINE MILE 11-6</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1938 FSL 1756 FWL</b>		9. WELL NO.  	
<b>14 API NUMBER</b> <b>43-013-31812</b>		10. FIELD AND POOL, OR WILDCAT <b>UNDESIGNATED</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5890 GL</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 6, T09S R16E</b>	
<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>		13. STATE <b>UT</b>	

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

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

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

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



Inland Production Company as operator of the above referenced well is submitting the results of an MIT conducted on 11-23-99 please review and approve ASAP, so we can inject this well. Thank You.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Roddie Bird</u>	TITLE <u>Production Foreman</u>	DATE <u>11-23-99</u>
Roddie Bird		

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 11/23/99 Time 1:00 am/pm  
Test Conducted by: Roy Liddell  
Others Present: \_\_\_\_\_

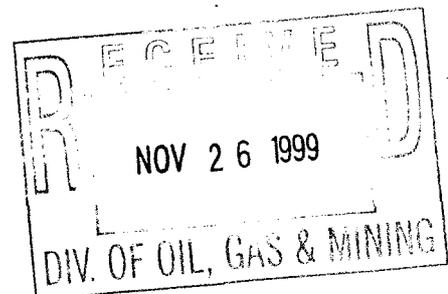
Well: <u>Nine Mile 11-6-9-16</u>	Field: <u>West Point Unit</u>
Well Location: <u>NE/SW SEC, 6, T9S, R16E</u>	API No: <u>43-013-31812</u>

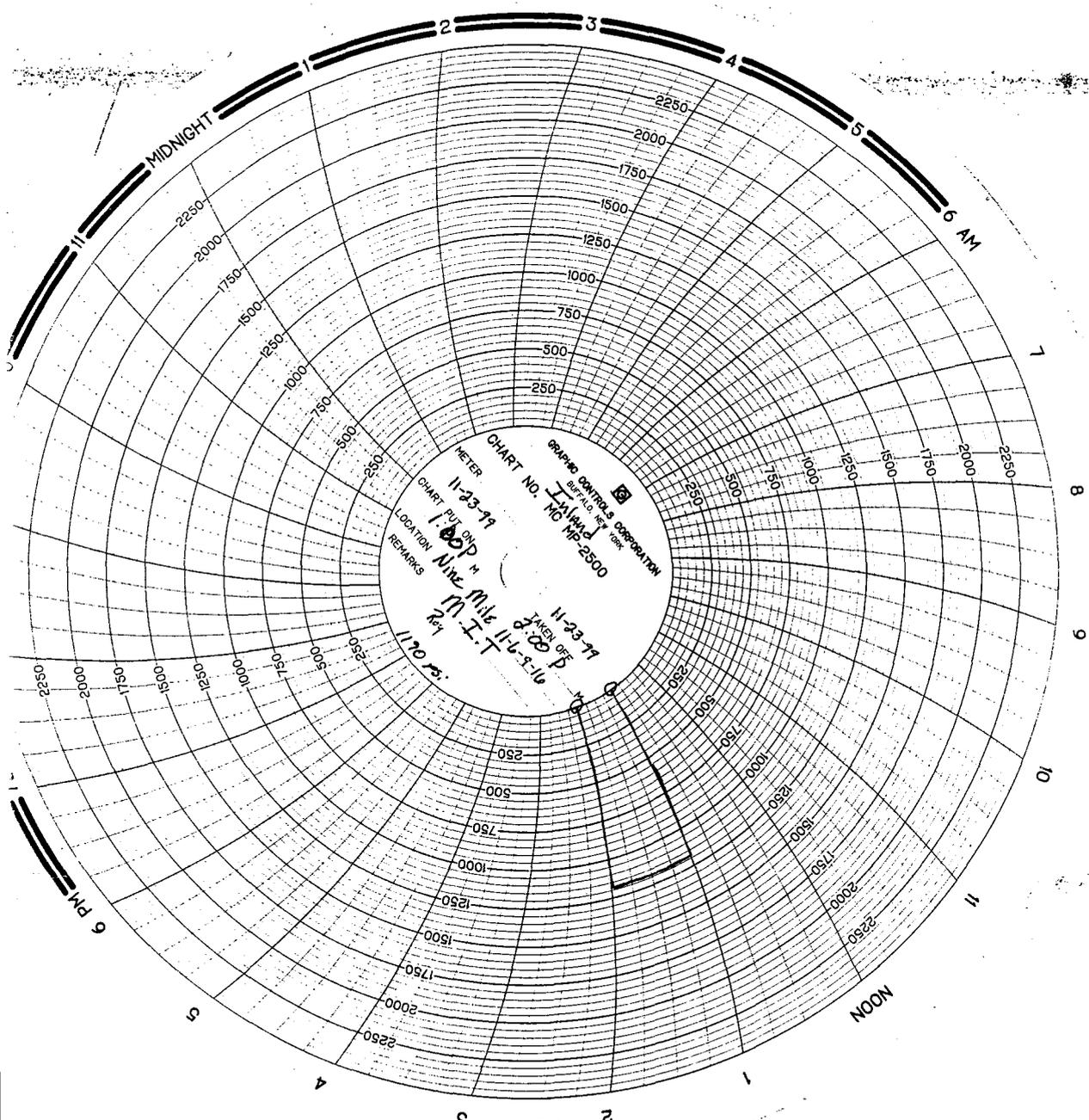
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1190</u>	psig
5	<u>1190</u>	psig
10	<u>1190</u>	psig
15	<u>1190</u>	psig
20	<u>1190</u>	psig
25	<u>1190</u>	psig
30 min	<u>1190</u>	psig
35	<u>1190</u>	psig
40	<u>1190</u>	psig
45	<u>1190</u>	psig
50	<u>1190</u>	psig
55	<u>1190</u>	psig
60 min	<u>1190</u>	psig

Tubing pressure: 400 psig

Result: **Pass** **Fail**

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Roy Liddell





MIDNIGHT

6 AM

NOON

6 PM

PRINTED IN U.S.A.

GRAPHIC CONTROLS CORPORATION  
CHART NO. 11-23-77  
METER 11-23-77  
CHART PUT ON 11:00 PM  
LOCATION 1120 mb  
REMARKS

11-23-77  
11:00 PM

2250  
2000  
1750  
1500  
1250  
1000  
750  
500  
250

2250  
2000  
1750  
1500  
1250  
1000  
750  
500  
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2250  
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1750  
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2250  
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1500  
1250  
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750  
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2250  
2000  
1750  
1500  
1250  
1000  
750  
500  
250



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

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

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-219

Operator: Inland Production Company  
Well: Nine Mile 11-6  
Location: Section 6 , Township 9 South, Range 16 East  
County: Duchesne  
API No.: 43-013-31812  
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 9, 1998.
2. Maximum Allowable Injection Pressure: 2189 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (5119 feet - 5760 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil and Gas

12/2/99  
Date

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> UTU-74390	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		<b>7. UNIT AGREEMENT NAME</b> WEST POINT (GR RVR)	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		<b>8. FARM OR LEASE NAME</b> NINE MILE 11-6	
<b>4. LOCATION OF WELL.</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/SW                      1938 FSL 1756 FWL		<b>9. WELL NO.</b> NINE MILE 11-6	
<b>14 API NUMBER</b> 43-013-31812		<b>10 FIELD AND POOL, OR WILDCAT</b> UNDESIGNATED	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5890 GL		<b>11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NE/SW Section 6, T09S R16E	
<b>12 COUNTY OR PARISH</b> DUCHESNE		<b>13 STATE</b> UT	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	(OTHER) <input type="checkbox"/>
	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>First report of Injection</u> <input checked="" type="checkbox"/>

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

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

The subject well was placed on water injection on 12/3/99.

RECEIVED  
DEC 10 1999  
DIVISION OF OIL, GAS & MINING

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

SIGNED:	TITLE: District Engineer	DATE: 12/9/99
---------	--------------------------	---------------

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
OIL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME  <b>WEST POINT (GR RVR)</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NINE MILE 11-6</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1938 FSL 1756 FWL</b>		9. WELL NO. <b>NINE MILE 11-6</b>	
<b>14 API NUMBER</b> <b>43-013-31812</b>		10. FIELD AND POOL, OR WILDCAT  <b>UNDESIGNATED</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5890 GL</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 6, T09S R16E</b>	
<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>13 STATE</b> <b>UT</b>	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	(OTHER) <input type="checkbox"/>
	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Injection Conversion</u> <input checked="" type="checkbox"/>

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

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

The subject well was converted from a production to an injection well on 11/19/99. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

**RECEIVED**

**DEC 10 1999**

**DIVISION OF OIL, GAS & MINING**

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

SIGNED [Signature] TITLE District Engineer DATE 12/9/99

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

**INJECTION WELL - PRESSURE TEST**

Well Name: NINE MILE FRO 11-6-9-16 API Number: 43-013-31812  
 Qtr/Qtr: NE/SW Section: 6 Township: 9S Range: 16E  
 Company Name: Inland Production Co  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal X Indian \_\_\_\_\_  
 Inspector: Denno Ingram Date: 02-09-2007

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 35 psi  
 Casing/Tubing Annulus - Pressure: 1050 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>35</u>
5	<u>1050</u>	<u>35</u>
10	<u>1050</u>	<u>35</u>
15	<u>1050</u>	<u>35</u>
20	<u>1050</u>	<u>35</u>
25	<u>1050</u>	<u>35</u>
30	<u>1050</u>	<u>35</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 35 psi  
 Casing/Tubing Annulus Pressure: 1050 psi

COMMENTS: test & charted from 11:00 AM TIL 11:30  
RETEST AFTER PACKER REPAIR

Robbie Paul  
 Operator Representative

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME  <b>WEST POINT (GR RVR)</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. FARM OR LEASE NAME <b>NINE MILE 11-6</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>NINE MILE 11-6</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1938 FSL 1756 FWL</b>		10. FIELD AND POOL, OR WILDCAT  <b>UNDESIGNATED</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 6, T09S R16E</b>	
14. API NUMBER <b>43-013-31812</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5890 GL</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

The subject well developed a tubing leak and was repaired. Mr. Dennis Ingram of the State DOGM was notified of the intent to perform an MIT on February 8, 2000. On February 9, 2000, the casing annulus was pressured to 1050 psi and maintained for one half hour with no pressure loss. Dennis Ingram witnessed and approved the test.

Inland is requesting permission to commence injection.

18 I hereby certify that the foregoing is true and correct

SIGNED Rod Bird TITLE Production Foreman DATE 1/25/00  
 Rod Bird

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

FEB 10 2000

DIVISION OF  
OIL, GAS AND MINING

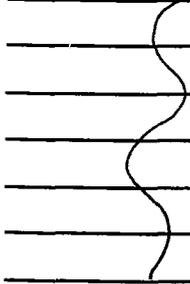
# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Dennis L Ingram Date 2/9/00 Time 11:00  am  pm  
Test Conducted by: Koddi Buel  
Others Present: \_\_\_\_\_

Well: Nine mile Fed 11-6-9-16 Field: undesignated  
Well Location: NE/SW SEC 6 - T9S - R16E API No: 43-013-31812  
Duchesne County UT.

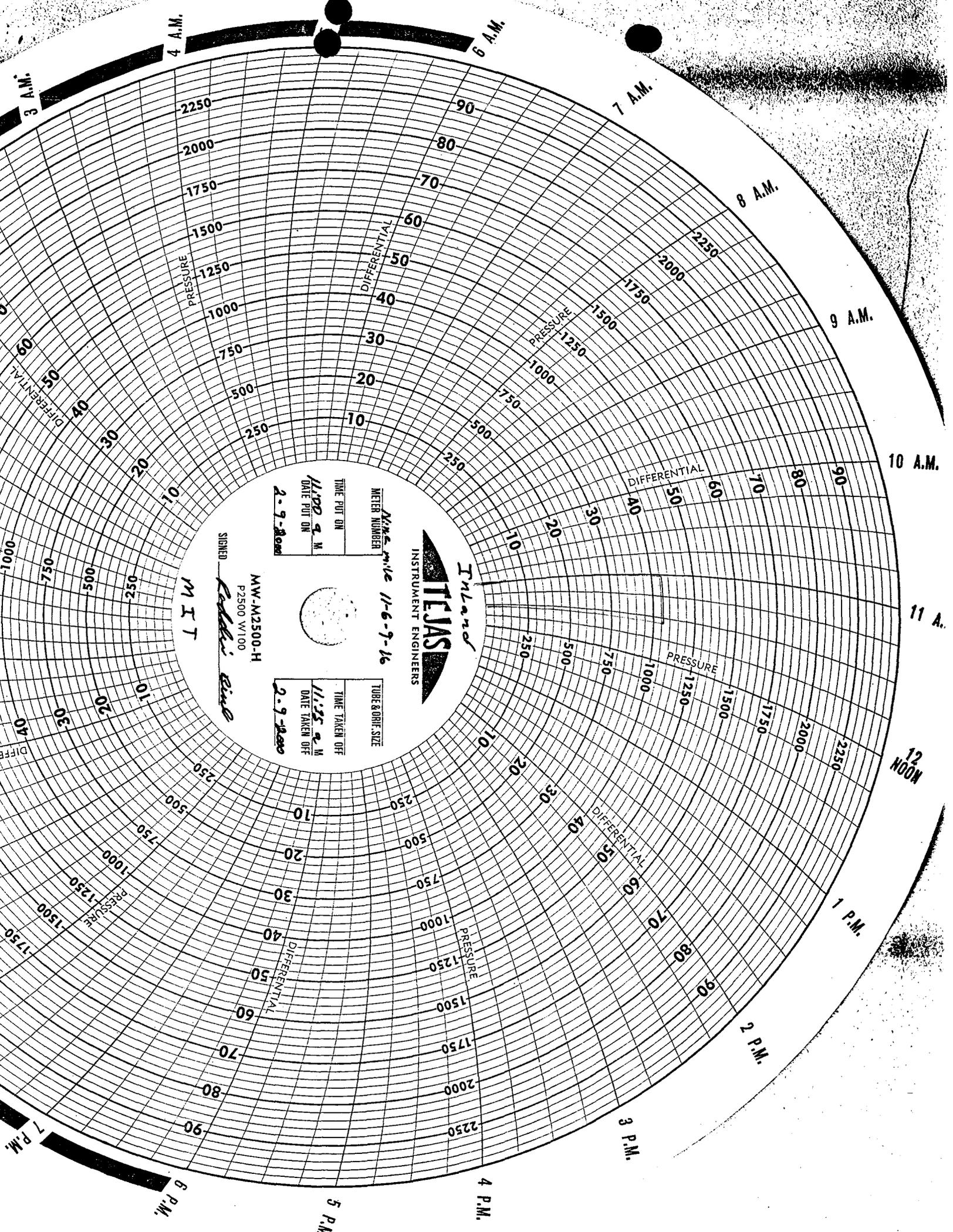
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1050</u>	psig
5	<u>1050</u>	psig
10	<u>1050</u>	psig
15	<u>1050</u>	psig
20	<u>1050</u>	psig
25	<u>1050</u>	psig
30 min	<u>1050</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 35 psig

Result: Pass Fail

Signature of Witness: Dennis L Ingram  
Signature of Person Conducting Test: Koddi Buel

RECEIVED  
FEB 10 2000  
DIVISION OF  
OIL, GAS AND MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

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

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

8. Well Name and No.  
**NINE MILE 11-6**

9. API Well No.  
**43-013-31812**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1938 FSL 1756 FWL                      NE/SW Section 6, T09S R16E**

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

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

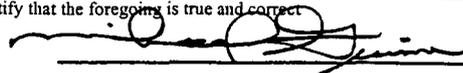
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

The subject well was converted from a production to an injection well on 11/19/1999. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

RECEIVED  
FEB 24 1999  
DIVISION OF  
OIL, GAS AND MINING

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

Signed  Title District Engineer Date 12/9/99

(This space for Federal or State office use)

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

Conditions of approval, if any:

*WTC  
2-29-00  
RSH*



## SUMMARY WORKOVER REPORT

### NINE MILE 11-6

NE/SW Section 6 - T9S - R16E  
Duchesne Co., UT  
API # 43-013-1812

Spud Dat 10/23/97  
TD 6050'  
Completion or Workover Rig LES #697

**Report Date 11/18/99 Day 1**

**Injection Conversion**

Date Work Performed 11/17/99

MIRU LES #697. Pump 80 BW down csg @ 250 deg. RD pumping unit & RU rod equipment. Unseat pump and flush rods and tbg w/50 BW. Pressure test tbg to 3500 psi. TOOH w/1 1-1/2" x 22' polish rod, 1 - 4' x 3/4" pony rod, 96 - 3/4" x 25' guided rods, 126 - 3/4" x 25' plain rods, 4 - 3/4" x 25' guided rods, 4 - 1-1/2" x 25' weight rods, 1 - 2-1/2" x 1-1/2" x 12 x 16' RHAC Randy's pump. ND wellhead, RU tbg equipment. Release TA & NU BOP. TOOH w/40 jts tbg. SWIFN. Lost 150 BW.

Daily Cost \$1,963 Cumulative Cost \$1,963

**Report Date 11/19/99 Day 2**

**Injection Conversion**

Date Work Performed 11/19/99

Blow well down & continue POOH w/147 jts tbg, SN, TA. TIH w/187 jts tbg, bit & 5-1/2" scraper. POOH w/134 jts tbg, breaking & applying Liquid O Ring to all pin ends. SWIFN.

Daily Cost \$3,574 Cumulative Cost \$5,537

**Report Date 11/20/99 Day 3**

**Injection Conversion**

Date Work Performed 11/19/99

Blow down well & POOH w/26 jts tbg breaking and applying Liquid O Ring to all pin ends. POOH w/27 jts tbg and LD on trailer. TIH w/160 jts tbg, SN, Arrow set 1 packer. ND BOP & NU wellhead. Pumped 60 BW flush load and pumped 20 BW w/15 gal PKR fluid and 5 gal biocide. Set PKR @ 5000' in 15,000# tension. Fill csg w/40 BW w/pkr fluid and biocide. Test csg to 1250 psi. RDMO SU. Lost 270 BW. Ready for MIT.

Daily Cost \$8,524 Cumulative Cost \$14,061

**Report Date 11/21/99 Day 4**

**Injection Conversion**

Date Work Performed 11/20/99

Blow well down & POOH w/26 jts tbg breaking and applying Liquid O Ring to all pin ends. POOH w/27 jts tbg & LD on trailer. TIH w/160 jts tbg, SN & Arrow set 1 PKR. ND BOP & NU wellhead. Pumped 60 BW flush load and pumped 20 BW w/15 gal PKR fluid and 5 gal biocide. Set PKR @ 5000' in 15,000# tension. Fill csg w/40 BW w/PKR fluid and biocide. Test csg to 1250 psi. RDMO SU. Lost 270 BW. Ready for MIT.

Daily Cost \$8,524 Cumulative Cost \$22,585

**Report Date 11/24/99 Day 5**

**Injection Conversion**

Date Work Performed 11/23/99

On 11/22/99 Dave Hackford with the DOGM was contacted and a time was set up to perform the MIT. On 11/23/99 the csg was pressured up to 1190 psi with hot oil truck and charted for 1 hr with no witness in attendance during the test. (No leak off)

Daily Cost \$100 Cumulative Cost \$22,685



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

February 9, 2000

INLAND RESOURCES  
FEB 10 2000  
RECEIVED

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

Re: Nine Mile 11-6-9-16  
Injection Well

Dear Brad:

The subject well was injecting and developed a tubing leak. Subsequently the tubing was pulled and repaired. Dennis Ingram was contacted and the MIT was conducted on February 9, 2000 with Dennis Ingram as a witness.

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

Sincerely,

Rod Bird  
Production Foreman

Enclosures

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-74390**

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

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

8. Well Name and No.  
**NINE MILE 11-6**

9. API Well No.  
**43-013-31812**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1938 FSL 1756 FWL                      NE/SW Section 6, T09S R16E**

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

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

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

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

The subject well developed a tubing leak and was repaired. MR. Dennis Ingram of the State DOGM was notified of the intent to perform an MIT on January 24, 2000. On January 25, 2000, the casing annulus was pressured to 1050 psi and maintained for one half hour with no pressure loss. Dennis Ingram witnessed and approved the test.

Inland is requesting permission to commence injection.

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

Signed *Rod Bird* Title Production Foreman Date 1/25/00  
 Rod Bird

(This space for Federal or State office use)

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

Conditions of approval, if any:

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: *Dennis L Ingram* Date 2/2/00 Time 11:00 am pm

Test Conducted by: *Roddie Bink*

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

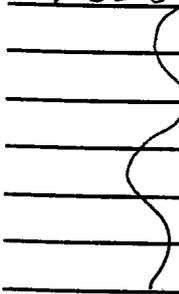
Well: *Nine mile Fed 11-6-9-16*

Field: *undesigned*

Well Location: *NE/4 SW Sec 6 - T9S - R16E*

API No: *43-013-31812*

*Duchesne County UT.*

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1050</u>	psig
5	<u>1050</u>	psig
10	<u>1050</u>	psig
15	<u>1050</u>	psig
20	<u>1050</u>	psig
25	<u>1050</u>	psig
30 min	<u>1050</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 35 psig

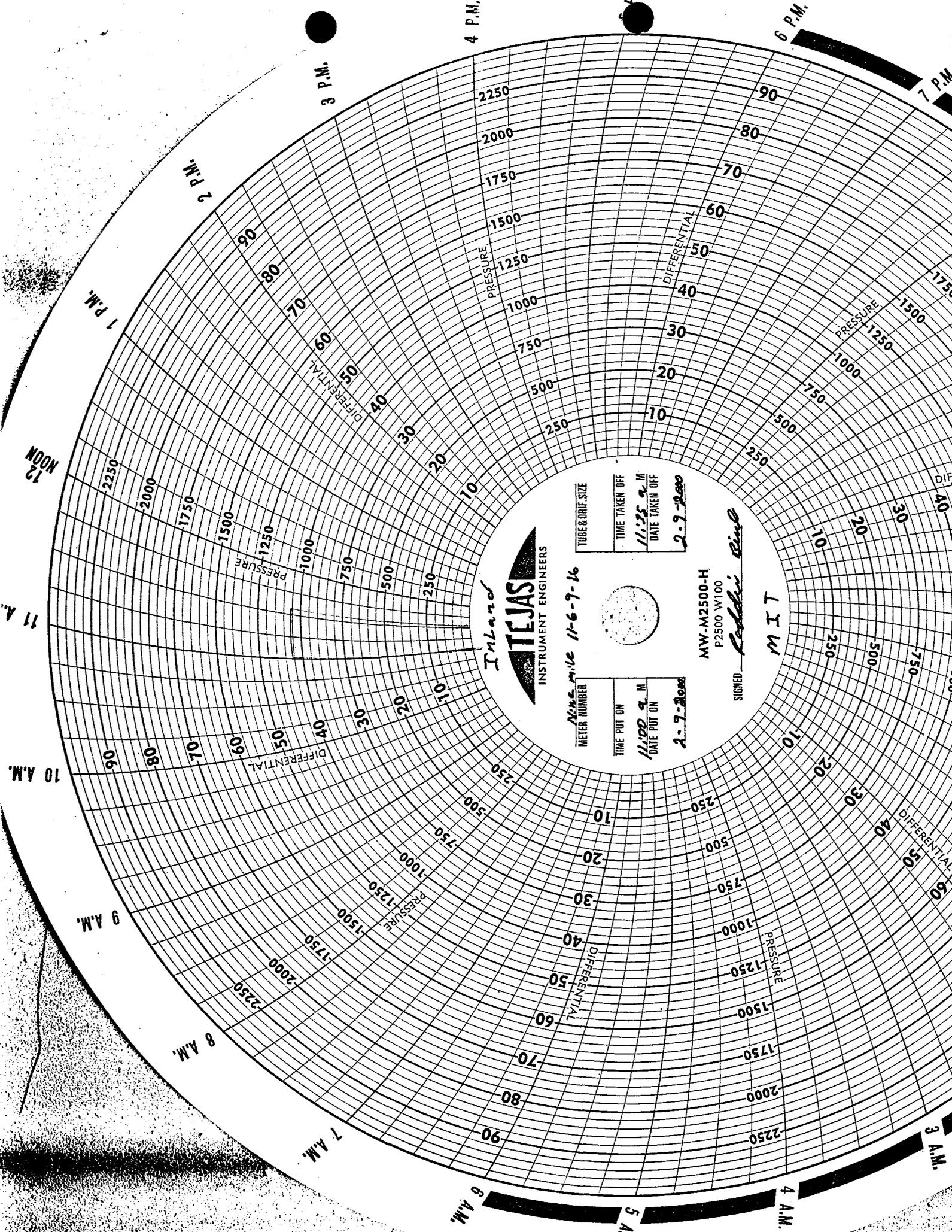
Result: Pass Fail

Signature of Witness:

*Dennis L Ingram*

Signature of Person Conducting Test:

*Roddie Bink*



12 NOON  
11 A.M.  
10 A.M.  
9 A.M.  
8 A.M.  
7 A.M.  
6 A.M.  
5 A.M.  
4 A.M.  
3 A.M.

1 P.M.  
2 P.M.  
3 P.M.  
4 P.M.  
5 P.M.  
6 P.M.  
7 P.M.



Meter Number 11-6-9-16  
 TIME PUT ON 11:25 A.M.  
 DATE PUT ON 2-9-1960

TUBE & ORIF. SIZE  
 TIME TAKEN OFF  
 DATE TAKEN OFF

MW-M2500-H  
 P2500 W100

SIGNED Collier

MIT



**PRODUCTION COMPANY**  
A Subsidiary of Inland Resources Inc.

April 12, 2000

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

Re: Nine Mile Fed 11-6-9-16  
Injection Conversion

Dear Brad:

The subject well developed a tubing leak. On April 11, 2000 the tubing leak was fixed. On April 12, 2000 Mr. Dan Jarvis was contacted and notified of the intent to do the MIT. The MIT was approved to chart and send in with out a witness from the DOGM. The MIT was charted and sent in on April 12, 2000.

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

Sincerely,

Rod Bird  
Production Foreman

Enclosures

**RECEIVED**

APR 13 2000

**DIVISION OF  
OIL, GAS AND MINING**

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME <b>WEST POINT (GR RVR)</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NINE MILE 11-6</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1938 FSL 1756 FWL</b>		9. WELL NO. <b>NINE MILE 11-6</b>	
		10. FIELD AND POOL, OR WILDCAT <b>UNDESIGNATED</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 6, T09S R16E</b>	
<b>14. API NUMBER</b> <b>43-013-31812</b>	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5890 GL</b>	<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13. STATE</b> <b>UT</b>

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

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

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

The subject well developed a tubing leak. On April 11, 2000 the tubing leak was fixed. On April 12, 2000 Mr. Dan Jarvis was contacted and notified of the intent to do the (MIT). The MIT was approved to chart and send in with out a witness from the DOGM. The MIT was charted and sent in on April 12, 2000. Inland is requesting permission to commence injection.

18 I hereby certify that the foregoing is true and correct

SIGNED Rod Bird TITLE Production Foreman DATE 4/12/00

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

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

\* See Instructions On Page 40

Date: 4/24/00  
 By: [Signature]

**RECEIVED**  
 APR 13 2000  
 DIVISION OF OIL, GAS AND MINING

**COPY SENT TO OPERATOR**  
 BY: 4-27-00  
 BY: CHD

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: \_\_\_\_\_ Date 4/12/00 Time 11:00 am pm

Test Conducted by: Roddie Bird

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

Well: Nine mile Fed 11-6-9-16 Field: West Point  
Well Location: NE/SW SEC. 6 T09S R16E API No: 43-013-31812  
Duchesne Co. Utah

**RECEIVED**  
APR 13 2000  
DIVISION OF  
OIL, GAS AND MINING

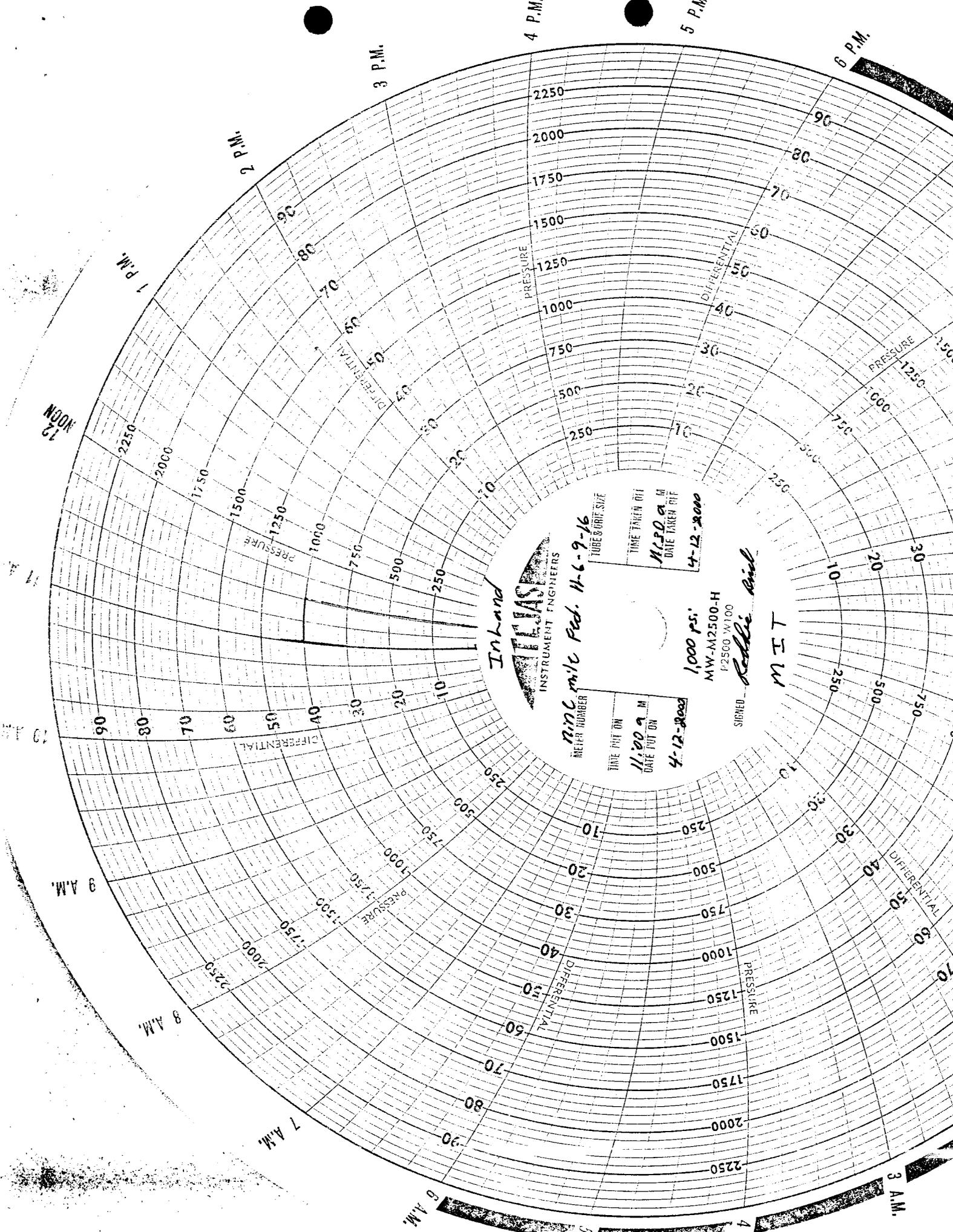
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1000</u>	psig
5	<u>1000</u>	psig
10	<u>1000</u>	psig
15	<u>1000</u>	psig
20	<u>1000</u>	psig
25	<u>1000</u>	psig
30 min	<u>1000</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 190 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Roddie Bird



Inland  
**TELESCOPE**  
 INSTRUMENT ENGINEERS

MIC m/c Fed. H-6-9-16

METER NUMBER  
 TIME PUT ON  
 11:00 a.m.  
 DATE PUT ON  
 4-12-2000

TUBE & GRIE SIZE  
 TIME TAKEN OFF  
 M.P.D. a.m.  
 DATE TAKEN OFF  
 4-12-2000

1,000 ps.  
 MW-M2500-H  
 P2500 W100

SIGNED *Reddie Paul*

MIT

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
OIL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME  <b>WEST POINT (GR RVR)</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NINE MILE 11-6</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1938 FSL 1756 FWL</b>		9. WELL NO. <b>NINE MILE 11-6</b>	
<b>14 API NUMBER</b> <b>43-013-31812</b>		10. FIELD AND POOL, OR WILDCAT  <b>UNDESIGNATED</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5890 GL</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SW Section 6, T09S R16E</b>	
<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>		13. STATE <b>UT</b>	

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

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

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(OTHER) <u>Tubing Leak</u> <input checked="" type="checkbox"/>	

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

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

A hole developed in the tubing string on the subject well resulting in communication with the annulus. The tubing was replaced with an inspected string and the Arrow set packer was set at 5062' on 4/11/00.

**RECEIVED**

MAY 02 2000

DIVISION OF  
**OIL, GAS AND MINING**

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

SIGNED [Signature] District Engineer DATE 4/24/00

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

\* See Instructions On Reverse Side

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



# United States Department of the Interior



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

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

## Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

## Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

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

UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

**CURRENT OPERATOR**

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

**NEW OPERATOR**

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

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
Title: Perk. Services Manager

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

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

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

**CA No.**

**Unit:**

**WEST POINT (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 34-31-8-16	31	080S	160E	4301331715	12418	Federal	WI	A
WEST POINT U 13-5-9-16	05	090S	160E	4301331766	12418	Federal	OW	P
MON FED 32-6-9-16Y	06	090S	160E	4301331300	12418	Federal	WI	A
MON FED 33-6-9-16Y	06	090S	160E	4301331589	12418	Federal	OW	S
MON FED 43-6-9-16Y	06	090S	160E	4301331644	12418	Federal	WI	A
MON FED 42-6-9-16Y	06	090S	160E	4301331645	12418	Federal	OW	P
MON FED 31-6-9-16Y	06	090S	160E	4301331717	12418	Federal	OW	P
MON FED 41-6-9-16Y	06	090S	160E	4301331718	12418	Federal	WI	A
NINE MILE 6-6	06	090S	160E	4301331719	12418	Federal	OW	P
MON FED 44-6-9-16Y	06	090S	160E	4301331720	12418	Federal	OW	P
WEST POINT U 12-6-9-16	06	090S	160E	4301331765	12418	Federal	OW	P
NINE MILE 11-6	06	090S	160E	4301331812	12418	Federal	WI	A
MON FED 23-7-9-16Y	07	090S	160E	4301331694	12418	Federal	WI	A
NINE MILE 10-7	07	090S	160E	4301331773	12418	Federal	OW	P
NINE MILE 6-7	07	090S	160E	4301331776	12418	Federal	OW	P
NINE MILE 5-7	07	090S	160E	4301331777	12418	Federal	WI	A
NINE MILE 7-7	07	090S	160E	4301331778	12418	Federal	WI	A
NINE MILE 15-7	07	090S	160E	4301331803	12418	Federal	WI	A
NINE MILE 16-7-9-16	07	090S	160E	4301331804	12418	Federal	OW	P
MON FED 41-18-9-16Y	18	090S	160E	4301331646	12418	Federal	WI	A
MON FED 42-18-9-16Y	18	090S	160E	4301331724	12418	Federal	OW	S
MON BUTTE FED 31-18-9-16Y	18	090S	160E	4301331725	12418	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. 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

## INJECTION WELL - PRESSURE TEST

Well Name: <u>Nine Mile Fed 11-6-9-16</u>	API Number: <u>43-013-31812</u>
Qtr/Qtr: <u>NE/SW</u> Section: <u>6</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>NEWFIELD</u>	
Lease: State <u>UT</u> Fee _____	Federal <u>UT 477007X</u> Indian _____
Inspector: <u>Jennings Inc</u>	Date: <u>03-23-05</u>

## Initial Conditions:

Tubing - Rate: 154 BPD Pressure: 1785 psi  
 Casing/Tubing Annulus - Pressure: 1310 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1310</u>	<u>1785</u>
5	<u>1310</u>	<u>1785</u>
10	<u>1310</u>	<u>1785</u>
15	<u>1310</u>	<u>1785</u>
20	<u>1310</u>	<u>1785</u>
25	<u>1310</u>	<u>1785</u>
30	<u>1310</u>	<u>1785</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 1785 psiCasing/Tubing Annulus Pressure: 1310 psi

## COMMENTS:

Start @ 10:05 am test at for 5 year  
rule, Record test on Parker Recorder

[Signature]  
 Operator Representative

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
 UTU74390

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
 WEST POINT UNIT

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

8. WELL NAME and NUMBER:  
 NINE MILE 11-6

2. NAME OF OPERATOR:  
 Newfield Production Company

9. API NUMBER:  
 4301331812

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

10. FIELD AND POOL, OR WILDCAT:  
 Monument Butte

4. LOCATION OF WELL:  
 FOOTAGES AT SURFACE: 1938 FSL 1756 FWL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SW, 6, T9S, R16E

STATE: Utah

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

TYPE OF ACTION

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

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

A Five year MIT was conducted on the subject well. On 3/18/05 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 3/23/05 the casing was pressured to 1310 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dennis Ingram was there to witness the test.

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

Date: 04-05-05  
 By: [Signature]

COPY SENT TO OPERATOR  
 DATE: 4-6-05  
 BY: CHD

NAME (PLEASE PRINT) Krishna Russell

TITLE Production Clerk

SIGNATURE [Signature]

DATE \_\_\_\_\_

(This space for State use only)

**RECEIVED**  
**MAR 30 2005**

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test  
Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3830  
Myton, UT 34052  
435-646-3721

Witness: [Signature] Date 3/23/05 Time 10:10 am pm  
Test Conducted by: Jim Carroll  
Others Present: \_\_\_\_\_

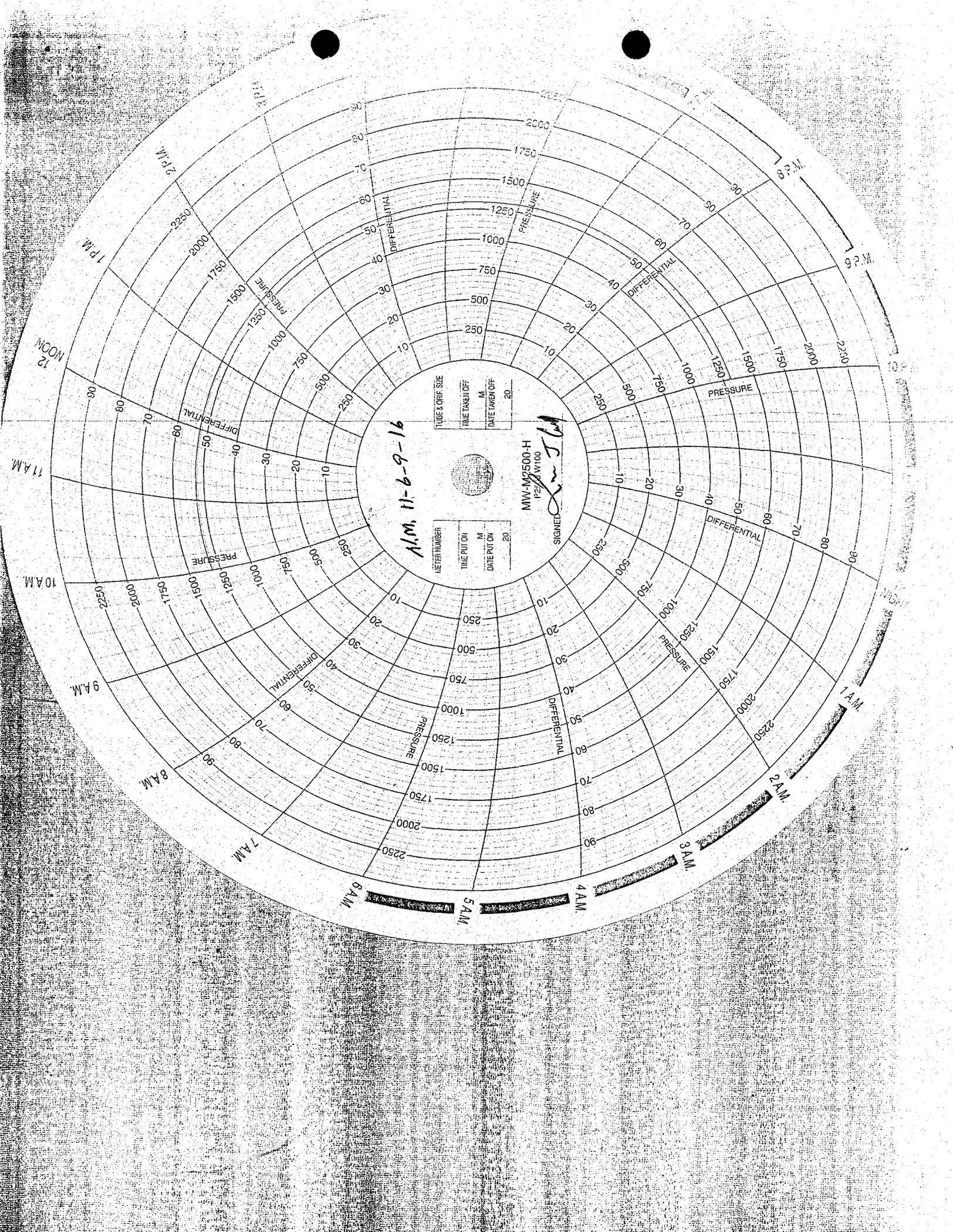
Well: Mine Mile Federal 11-6-9-16 Field: West Point  
Well Location: NE/SW Sec 6-T9S-R16E API No: 43-013-31812

Time	Casing Pressure
0 min	<u>1310</u> psig
5	<u>1310</u> psig
10	<u>1310</u> psig
15	<u>1310</u> psig
20	<u>1310</u> psig
25	<u>1310</u> psig
30 min	<u>1310</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing pressure: 1785 psig

Result: Pass Fail

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

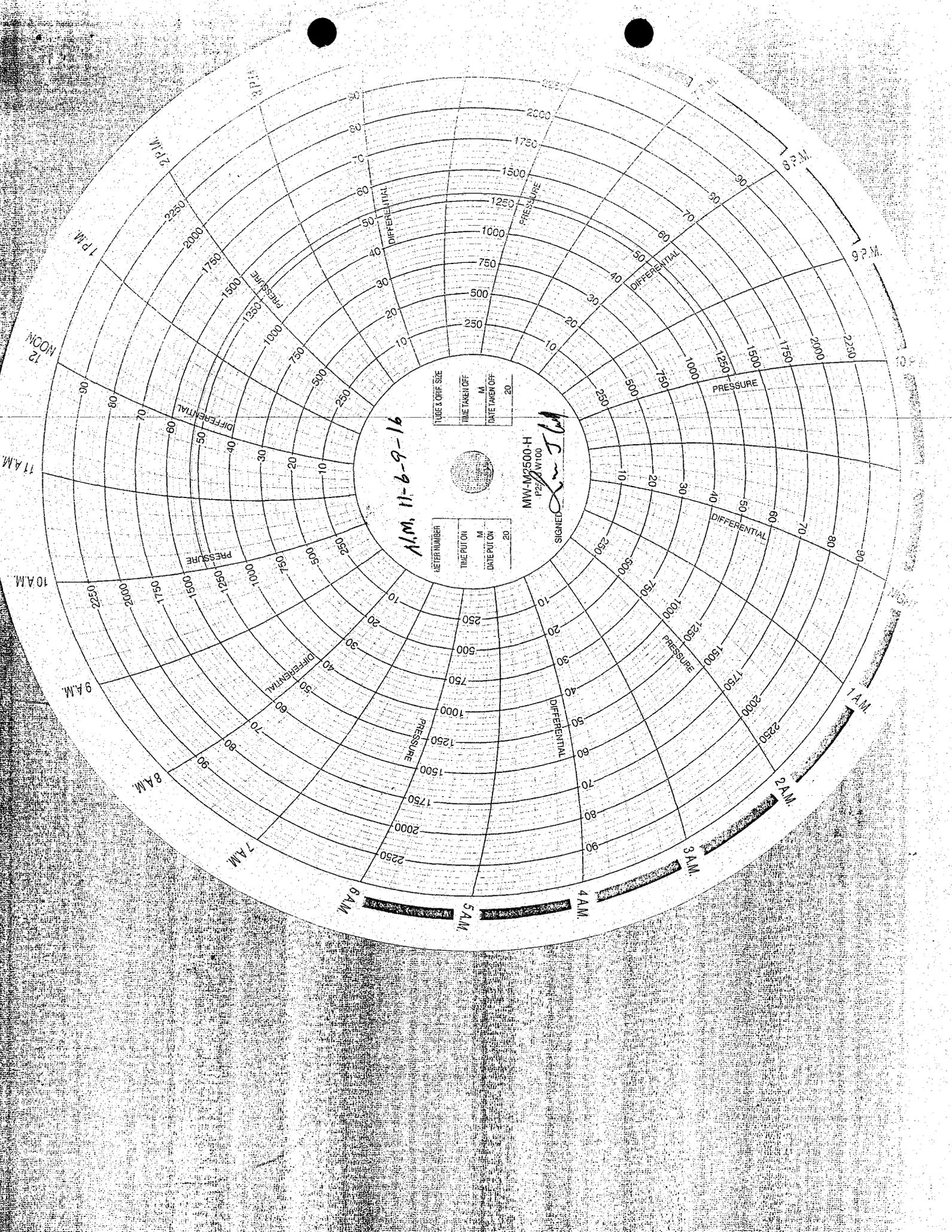


A.M. 11-6-9-16

METER NUMBER	TUBE & ORIF. SIZE
TIME PUT ON	TIME TAKEN OFF
DATE PUT ON	DATE TAKEN OFF
M	M
20	20

MW-M2500-H  
P22 W100

SIGNED *[Signature]*



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74390

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
NINE MILE 11-6

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331812

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1938 FSL 1756 FWL COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 6, T9S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/27/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 01/25/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 01/25/2010. On 01/224/2010 the casing was pressured up to 1140 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1827 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31812

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 02-04-10  
By: 

**COPY SENT TO OPERATOR**  
Date: 2-11-2010  
Initials: KS

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE  DATE 02/01/2010

(This space for State use only)

**RECEIVED**  
**FEB 04 2010**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 11/27/2010 Time 12:00 am  pm

Test Conducted by: Rowdy Cloward

Others Present: Austin Harrison

<b>Well:</b> <u>Nine Mile 11-6-9-16</u>	<b>Field:</b> <u>Newfield Mon 24th</u> <u>Duchesne County, UTAH</u>
<b>Well Location:</b> <u>Nine Mile 11-6-9-16</u> <u>NE 1/4 Sec 6 - T9S - R16E</u> <u>WTU 87538X</u>	<b>API No:</b> <u>43-013-31812</u>

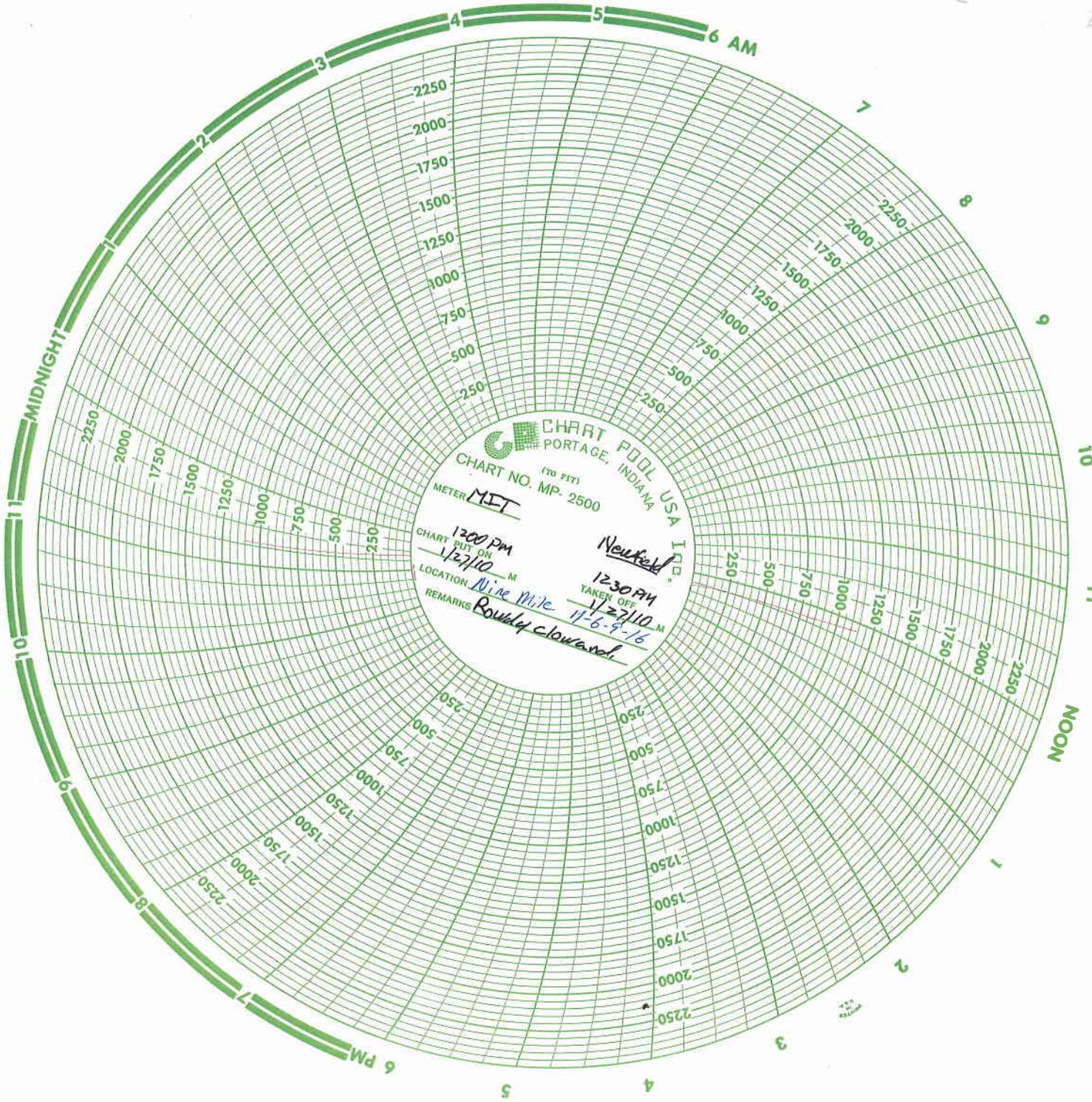
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1140</u>	psig
5	<u>1140</u>	psig
10	<u>1140</u>	psig
15	<u>1140</u>	psig
20	<u>1140</u>	psig
25	<u>1140</u>	psig
30 min	<u>1140</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1827 psig

Result:            Pass            Fail

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

Signature of Person Conducting Test: [Signature]



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> NINE MILE 11-6
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FSL 1756 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 06 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013318120000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/18/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text" value="5 YR MIT"/>

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

On 12/12/2014 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 12/18/2014 the casing was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1665 psig during the test. There was a State representative available to witness the test - Richard Powell.

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

Date: January 05, 2015  
 By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/23/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Richard Powell OOHM Date 12/18/14 Time 11:44  am  pm  
Test Conducted by: Kevin Powell  
Others Present: \_\_\_\_\_

*nine miles*  
Well: Fed, 11-6-9-16 Field: Monument Butte  
Well Location: NE/SW sec 16, T9S, R16E API No: 43-013-31812  
Duchesne County, Utah

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1416</u>	psig
5	<u>1416</u>	psig
10	<u>1416</u>	psig
15	<u>1418</u>	psig
20	<u>1419</u>	psig
25	<u>1420</u>	psig
30 min	<u>1420</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1665 psig

Result:  Pass  Fail

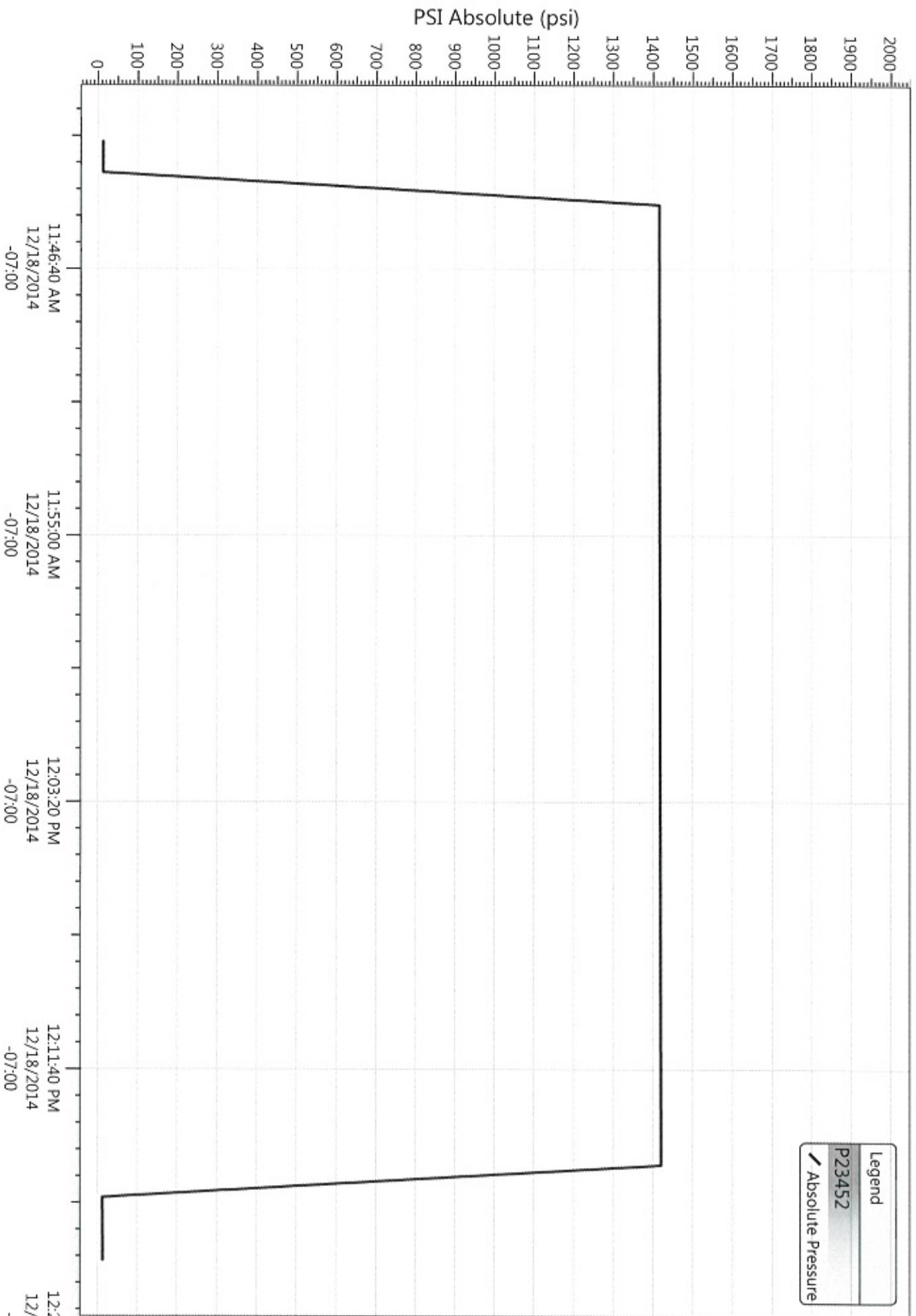
Signature of Witness:



Signature of Person Conducting Test:



Fed. 11-6-9-16 5 yr. MIT (12-18-14)  
12/18/2014 11:42:00 AM



Legend  
P23452  
/ Absolute Pressure

# Nine Mile 11-6-9-16

Spud Date: 10/23/97  
 Put on Production: 12/17/97  
 GL: 5889' KB: 5901'

Initial Production: 57 BOPD,  
 89 MCFPD, 9 BWPD

## SURFACE CASING

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

## PRODUCTION CASING

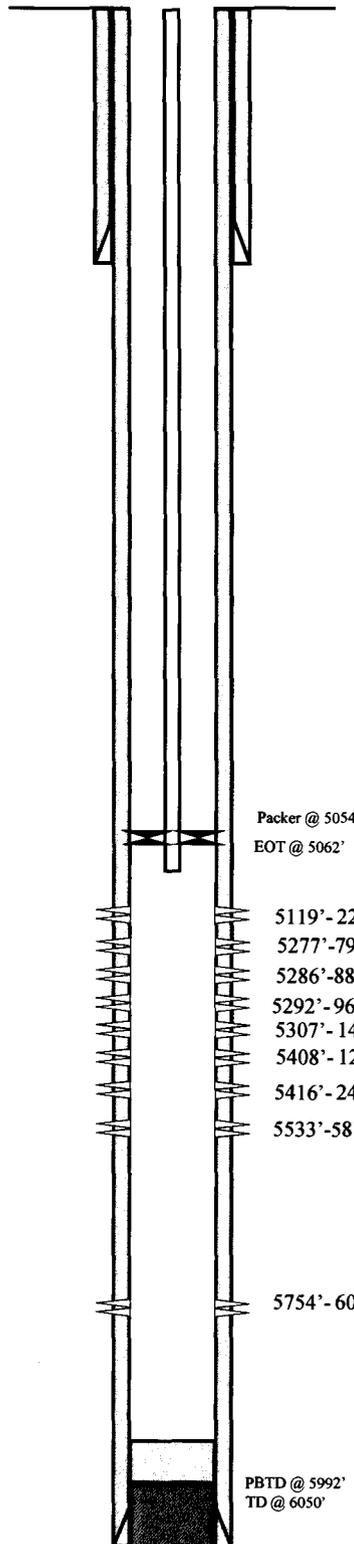
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (6024')  
 DEPTH LANDED: 6036'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sks Hibond mixed & 325 sks thixotropic  
 CEMENT TOP AT:

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 30 jts B grade (941.74')  
 132 jts yellow band (4111.38')  
 CE @ 5054.2'  
 TOTAL STRING LENGTH: 5062'

## Injection

### Wellbore Diagram



## FRAC JOB

12/7/97 5754'-5760' **Frac CP sand as follows:**  
 95,300# of 20/40 sd in 513 bbls  
 Delta Frac. Treated @ avg rate 26.2 bpm,  
 avg press 2250 psi. Breakdown @ 3652  
 psi. ISIP-2393 psi, 5-min 2117 psi.  
 Flowback for 3-1/2 hrs & died.

12/10/97 5533'-5558' **Frac LDC sand as follows:** 104,300#  
 of 20/40 sd in 543 bbls Boragel.  
 Breakdown @ 2800 psi. Treated @ avg  
 rate of 27.9 BPM, avg press 2650 psi.  
 ISIP-3293 psi, 5-min 2374 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

12/12/97 5277'-5424' **Frac A sand as follows:**  
 127,000# 20/40 sand in 618 bbls Delta  
 Frac. Breakdown @ 2252 psi. Treated  
 w/avg press of 1700 psi w/avg rate of  
 35 BPM. ISIP - 2235 psi, 5 min 1936  
 psi. Flowback on 12/64" ck for 3 hrs &  
 died.

12/14/97 5119'-5122' **Frac B sand as follows:**  
 88,300# 20/40 sand in 471 bbls of Delta  
 Frac. Breakdown @ 3202 psi. Treated  
 @ avg press of 2550 psi w/avg rate of  
 25.4 BPM. ISIP-2772 psi, 5 min 1930  
 psi. Flowback on 12/64" ck for 2-1/2 hrs  
 & died.

11/18/99 **Convert to Injection well**  
 11/23/99 **MIT completed - tbg detail updated**  
 3/23/05 **5 YR MIT**  
 01/27/10 **5 YR MIT**

## PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/6/97	5754'-5760'	4 JSPF	24 holes
12/9/97	5533'-5558'	4 JSPF	100 holes
12/11/97	5277'-5279'	4 JSPF	8 holes
12/11/97	5286'-5288'	4 JSPF	8 holes
12/11/97	5292'-5296'	4 JSPF	16 holes
12/11/97	5307'-5314'	4 JSPF	28 holes
12/11/97	5408'-5412'	4 JSPF	16 holes
12/11/97	5416'-5424'	4 JSPF	32 holes
12/13/97	5119'-5122'	4 JSPF	12 holes

**NEWFIELD**

**Nine Mile 11-6-9-16**  
 1938 FSL 1756 FWL  
 NESW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31812; Lease #UTU-74390